

# Kaleido.

## Guidebook

The logo for Kaleido, featuring the word "Kaleido" in a bold, sans-serif font. The letters are composed of a grid of small, semi-transparent colored squares in shades of teal, blue, and purple. A registered trademark symbol (®) is positioned at the top right of the letter "o".

Guidebook

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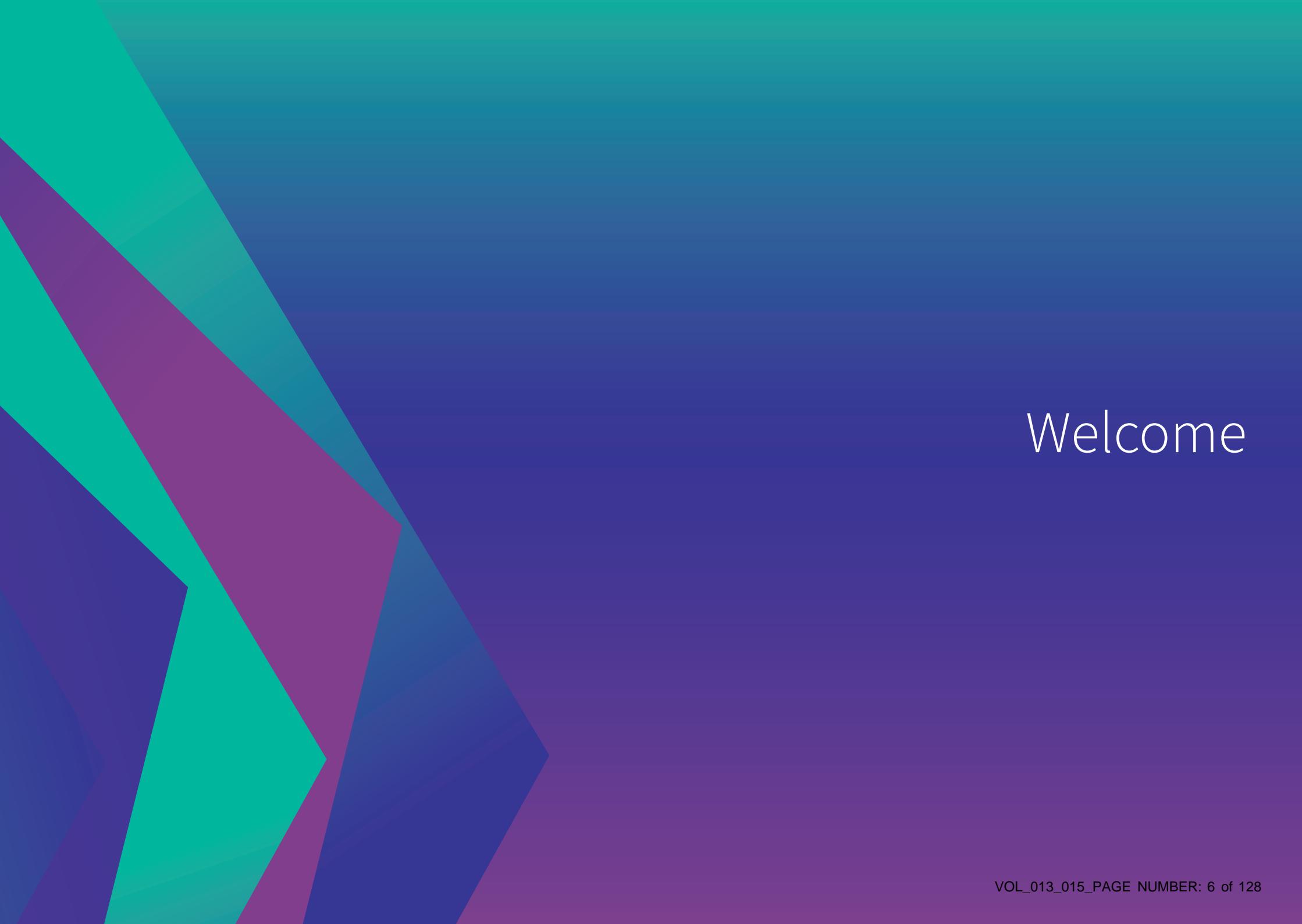
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The background features a large, abstract geometric shape composed of several overlapping triangles. The triangles are primarily colored in shades of teal, purple, and blue, creating a dynamic and modern look.

Welcome

# Hello! Welcome to Kaleido - it's nice to meet you

Can we tell you something? We're so excited that you've picked us, and we can't wait to get to know you better. Whether these are your first steps into insulin pumping or you're a seasoned pump-pro, we're here to make sure your transition to Kaleido is simple. Right from the off, it's important to us that you spend less time thinking and worrying, and more time having fun.

You'll find everything you need to get started in your Starter Kit, and soon you'll be receiving regular special deliveries of all the items you'll need for the weeks ahead too – no ordering, no hassle, straight to your door. If at any point you need our help, have a suggestion or just fancy a chat, you can give our Kaleido Care team a call - we love to talk!

# Our icons

No, *not* our favourite celebrities...this is just a quick guide to all of the icons you'll find on your Kaleido handset and in this Guidebook.



Basal



Basal profile



Temporary basal rate



Pump has been stopped



Alarm



Alert



Reminder



Kaleidoculator food recommendation



Kaleidoculator BG recommendation



Kaleidoculator Insulin on Board recommendation



Success!  
Info saved or  
setting turned on



Info deleted or  
setting turned off



Lock Screen  
passcodes  
don't match



Handset  
battery  
charging



Up button



Down button



Right button



Left button



Bolus



Quick Bolus



Extended Bolus



Bolus  
stopped



Enter button



Volume



Brightness



Time or date  
changes saved



Blood  
Glucose



Menu



Insulin on  
Board



Status



Instructions start  
on previous page



Instructions  
continue on  
following page



Insulin  
cartridge



New pump  
detected



Handset is  
connected  
to a pump



Handset is  
not connected  
to a pump

## Resource level icons



Insulin  
cartridge



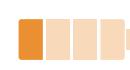
Pump  
battery



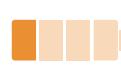
Handset  
battery



Insulin  
cartridge in  
Alert mode



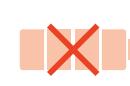
Pump  
battery in  
Alert mode



Handset  
battery in  
Alert mode



Insulin  
cartridge in  
Alarm mode



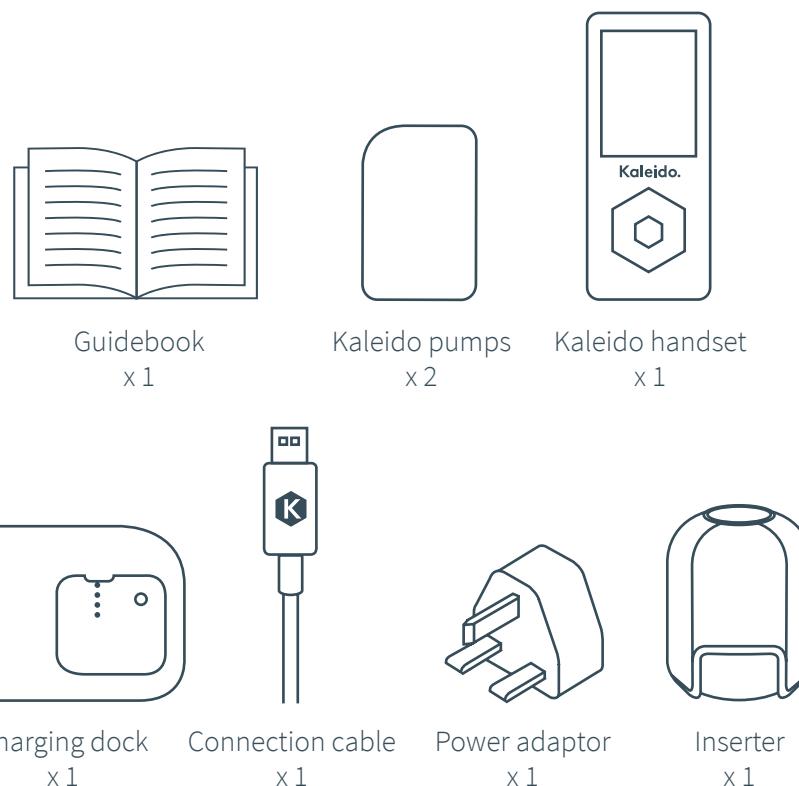
Pump  
battery in  
Alarm mode

# Taking your first steps

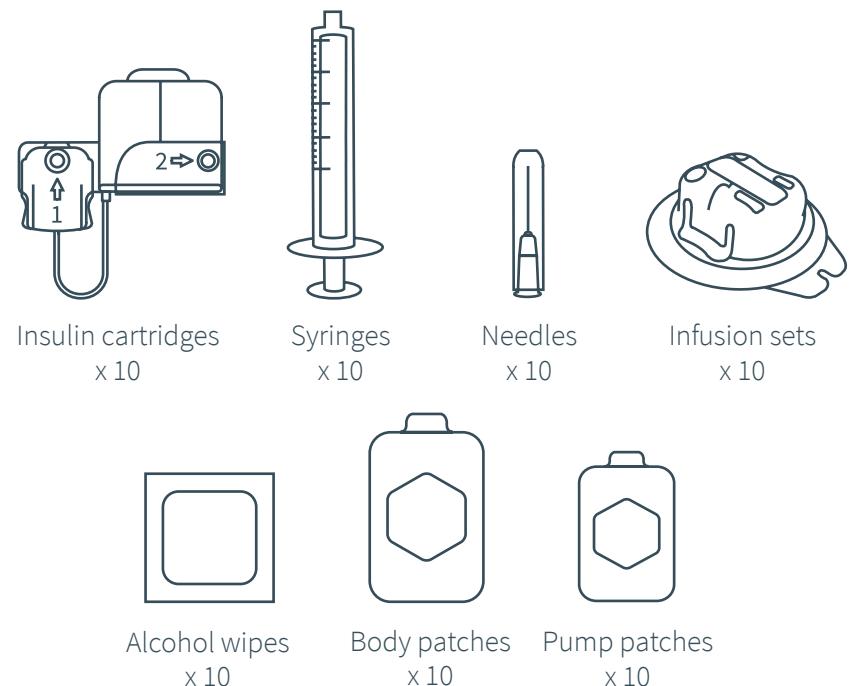
Everybody ready? Let's do this!

To get you started on Kaleido, a member of our team will deliver your Starter Kit and very first Top-up Kit. You may have cracked both open straight away (*who'd blame you?*) but just in case you haven't, here's what you should find in each box:

## Starter Kit



## Top-up Kit



### WARNING

Unfortunately, Kaleido isn't able to provide you with the U100 insulin you'll need to use your pump. For this, you should contact your Healthcare Provider who'll be able to help. Your Kaleido pump and insulin cartridges are only approved for use with Humalog® and NovoRapid® U100 insulins.

### WARNING

Please make sure your kits contain everything listed before you get started. If there's anything missing, give us a call at Kaleido Care straight away.

### WARNING

If the packaging of any of your supplies is damaged in any way, please don't use them. Damaged packaging means that we can't guarantee the sterility of the products. Please contact Kaleido Care and we'll make a plan to send you replacements as soon as possible.

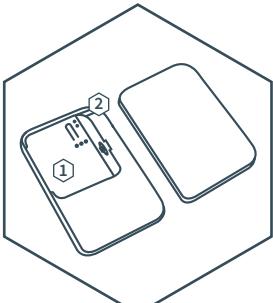
# Introducing Kaleido

## Starter Kit – Everything you need to get started



### Guidebook

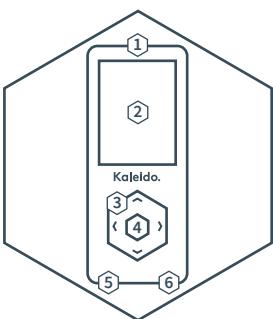
*You're reading it!* You can use this Guidebook to learn more about the functions your Kaleido pump offers, as well as as a refresher if you ever need to jog your memory.



### Kaleido pumps

*TA-DA!* These are your shiny new Kaleido pumps! Because the Kaleido pump is reusable, we're sending you two, so that you'll always have one to wear and one charged and ready to go.

- ① Here's where your insulin cartridges will go!
- ② Groove for cartridge tubing

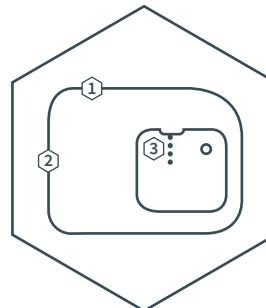


### Kaleido handset

*Give it up for your Kaleido handset!* The handset is what you'll use to speak to your pump and tell it what you'd like it to do. Your handset will only talk to one pump at a time, using a special wireless connection. Your handset can also help you keep track of the insulin deliveries you give, as well as any blood glucose readings you take. It can remember up to eight days' worth of information.

It's also where you'll be able to quickly check the important details, like how much insulin is left in your insulin cartridge and how much power there is in your pump and handset batteries - just one quick glance and you can get back to recharging your own!

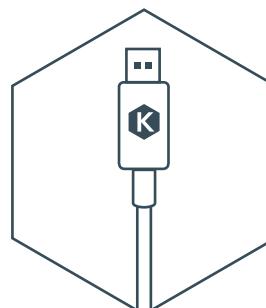
- ① Power button
- ② Screen
- ③ Navigation buttons (up, down, left, right)
- ④ Enter button
- ⑤ Micro USB port
- ⑥ Speaker



### Charging dock

Together with the connection cable and power adaptor, this is what you'll use to charge your pumps. It'll help you make sure they're always fully charged and ready for action.

- ① Charging status light
- ② Micro USB port
- ③ Contact pins

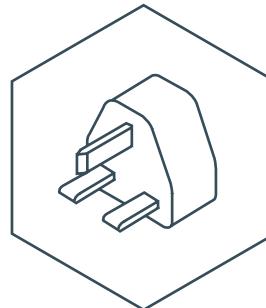


### Connection cable

Use this cable to connect your power adaptor to either your Kaleido handset or your charging dock - whichever you need to charge next.

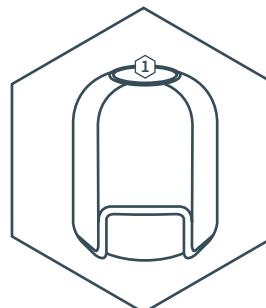
#### **WARNING**

Your connection cable should only be used with your Kaleido charging dock and power adaptor to charge your Kaleido pumps and handset. You shouldn't try to connect your Kaleido products to any other devices using your connection cable.



### Power adaptor

Once you've positioned your connection cable, you'll need your power adaptor to plug into your electrical outlet and start charging.

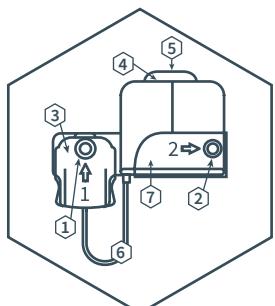


### Inserter

This nifty piece of kit will help you insert your infusion sets quickly and easily. Hold on to it to help make sure infusion set change days are a real breeze!

- ① Button

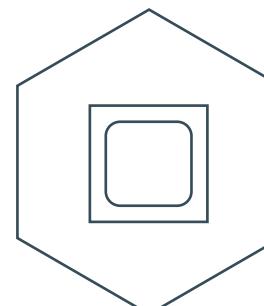
# Top-up Kits – Everything you need to keep you pumping



## Kaleido insulin cartridge

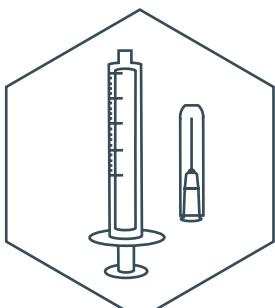
This little thing is where you'll put all the insulin you'll need for up to three days of pumping. You can choose from two lengths of tubing *because we're cool like that* - go for 5cm or 30cm. Just let us know which you'd prefer.

- |                               |                            |
|-------------------------------|----------------------------|
| ① Hole 1                      | ⑤ Filling cradle catch     |
| ② Hole 2                      | ⑥ Insulin cartridge tubing |
| ③ Insulin cartridge connector | ⑦ Filling cradle           |
| ④ Plastic tab                 |                            |



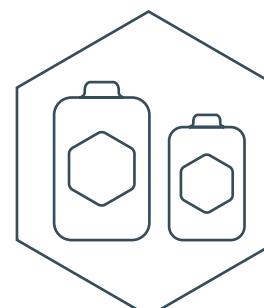
## Alcohol wipes

Ready for a new infusion set? Use an alcohol wipe to make sure your skin is ultra clean first.



## Syringes & needles

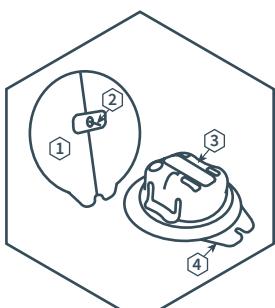
Our syringes and needles fit together and are used to fill your insulin cartridges with insulin. You'll need one syringe and one needle for every new cartridge you prepare - that's one of each at least once every three days.



## Body & pump patches

Last but by no means least, these patches will help you wear your Kaleido pump. The body patch goes on your body and the pump patch is the part that sticks to your pump.

You'll need to change these patches every time you change your pump, insulin cartridge and infusion set, so – *are you sensing a theme here?* – you'll use one new body patch and one new pump patch at least once every three days.



## Infusion set

The infusion set is the bit that connects your Kaleido pump to your body. It's small but powerful! It uses a little needle and tube and, just like your pump and insulin cartridge, you'll need to change it at least once every three days. Kaleido infusion set needles come in two sizes, 6 mm and 9 mm, so you can choose the size that works best for you.

- ① Paper backing (with sticky patch underneath)
- ② Needle, including cannula tube
- ③ Plastic cap
- ④ Plastic cap tabs

# Getting to know your Kaleido

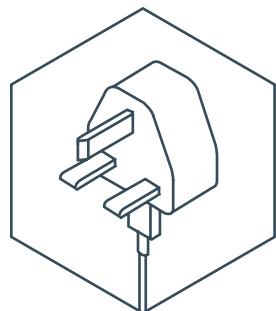
# Getting to know your Kaleido

## First things first!

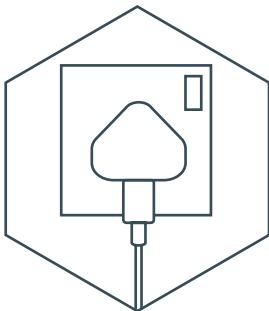
So you've got everything you need to start pumping, but what's next? It's easy! First, you need to:

- Remove your pumps and handset from their packaging
- Charge your handset
- Charge the pump you would like to use first

## Let's charge! How do I charge my handset?



- STEP 1**  
Start by connecting your power adaptor and connection cable. Do this by inserting the larger end of the connection cable into the USB port at the bottom of the power adaptor.
- STEP 2**  
Next, insert the smaller end of the connection cable into your handset's micro USB port.



- STEP 3**  
Finally, plug your power adaptor into an easily accessible electrical outlet and then switch the power on. You'll see a charging icon on your handset screen. Congratulations, you're charging!



**STEP 4**  
If you are charging your handset for the very first time or recharging it after draining the battery right down to empty, we recommend that you charge it for at least two hours before turning it on.

If you're charging your handset while it is switched on, you can check how charged it is by scrolling to Resource Levels in the System Settings menu.

### QUICK TIP

You can send your handset to sleep at any time by briefly pressing the Power button. This will help you save your handset battery. You can wake it up again at any time just by pressing the Power button.

### QUICK TIP

Make sure you keep an eye on your handset battery and recharge it at a convenient time for you. Remember: you should always keep your handset within reach in case you need to adjust your insulin delivery, even when it's on charge.

### QUICK TIP

Charging your handset will automatically turn it on, even if it was previously turned off. You won't be able to turn your handset off while it's being charged.

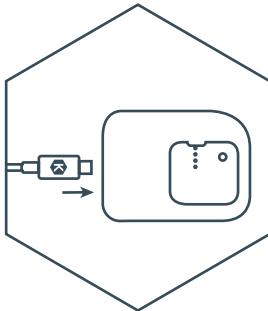
### WARNING

You must only use the supplied charging system to charge your Kaleido handset.

### WARNING

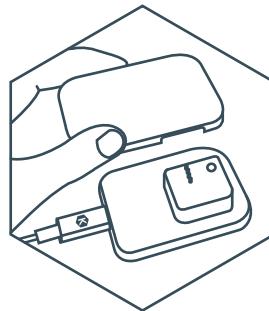
If your Kaleido handset battery ever becomes completely flat, causes your handset to turn off and is left uncharged for seven days or more, your handset's internal clock will automatically reset. See *How do I change the time on my handset?* and *How do I change the date on my handset?* for more details.

## And how do I charge my pumps?



### STEP 1

First, detach your connection cable from your handset, then insert the connection cable into the micro USB port on your charging dock.

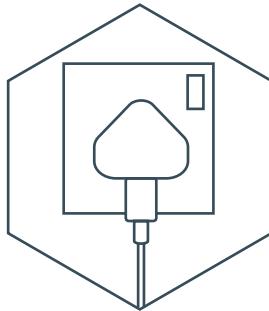


### STEP 2

Check there isn't an insulin cartridge already in the pump you want to charge (if there is one there, remove it!). Then, click your pump into place on the charging dock.

#### WARNING

Before attaching a pump to the charging dock, you must make sure you've removed any insulin cartridges.

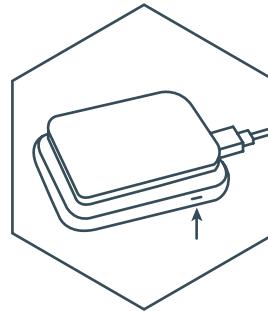


### STEP 3

Plug your power adaptor into an easily accessible electrical outlet and then switch on the power. The charging status light on the charging dock will shine orange to let you know that charging has started.

#### WARNING

If the charging status light on the charging dock glows red, an error has occurred. Unplug the power adaptor from the electrical outlet and try disconnecting and reconnecting the connection cable. If that doesn't resolve the problem, call Kaleido Care for help.



### STEP 4

Once your pump is fully charged, the charging status light on the dock will change from orange to green. Your pump is now ready to use!

If your pump has been on charge for more than two hours and the charging status light hasn't changed from orange to green, give Kaleido Care a call.

#### QUICK TIP

You'll wear each of your Kaleido pumps for up to three days at a time. Once you've removed a pump, it's a good idea to get into the habit of charging it as soon as you can, so that it's ready for the next time you need it. No one likes a pump with an empty battery, right?

#### WARNING

The supplied charging dock is the only device that can be used to charge your Kaleido pumps.

#### WARNING

You should always connect the connection cable to the power adaptor and charging dock or handset BEFORE you plug the power adaptor into an electrical outlet. Switching on the power should always be the last thing you do. Once you've finished charging, you should switch off the power and remove the power adaptor from the electrical outlet before starting to use either the pump or your handset.

#### WARNING

If the charging status light on the charging dock does not glow orange when your pump is connected and the power supply is switched on, the pump is not being charged. Try an alternative power supply first, and then contact Kaleido Care if you continue to experience difficulties.

# Handy hints for your handset

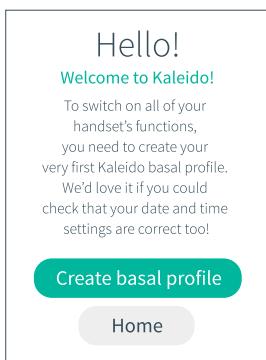
Once your handset is charged, it's time to turn it on and start exploring!

## How do I turn my handset on and off?



### STEP 1

To turn your handset on, just press and hold the Power button for two seconds.



### STEP 2

Turning on your new handset for the first time? You'll be greeted by a welcome message suggesting that you create your very first basal profile. You'll need to enter a basal profile in order to start pumping, so this is the perfect place to start!

*See I've just turned on my handset for the first time, where do I start? for more info.*



### STEP 3

If it's not the first time you've turned on your handset, pressing the Power button will take you straight to the Home screen.

### WARNING

Turning off your handset will not automatically turn off your pump - if you turn your handset off without pausing or stopping your Kaleido pump first, your pump will continue to deliver your current basal profile and any programmed boluses.



Would you like to turn your handset off?

No

Yes

### STEP 4

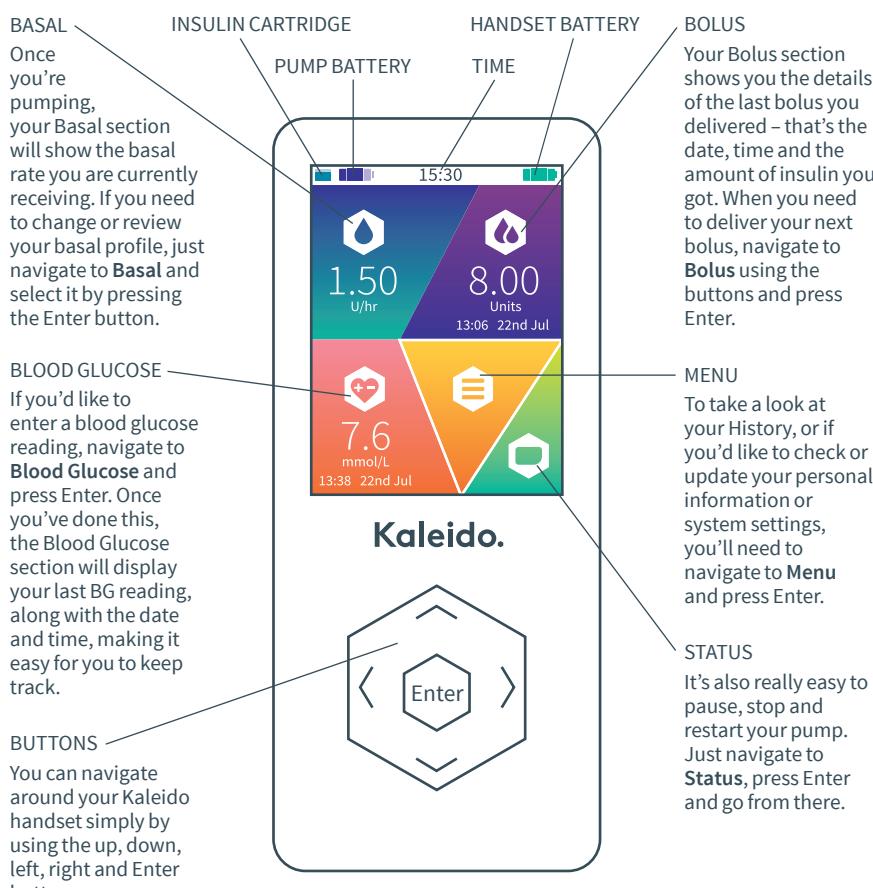
If you ever want to turn your handset off, press and hold the Power button for two seconds.

### STEP 5

You'll be asked to confirm that you want to turn your handset off, and it's simple - just select Yes if you do. If you decide not to turn off your handset, just scroll left to No and press the Enter button.

## Navigating your Kaleido handset

We designed your handset to be as simple to use as possible. Your Home screen is divided into five sections, each of which leads you to a different menu. At the top, you'll also see handy details like the time and how full your insulin cartridge, pump and handset batteries are.



### QUICK TIP

Aside from moving you around your handset, the navigation buttons play their own roles on other screens too. You'll use the up and down buttons to scroll through numbers and letters when entering details like your name and date of birth, and then right and left to move back and forth between the different letter and number boxes. The Enter button is used to confirm all your decisions and to move you on to any next steps.

### QUICK TIP

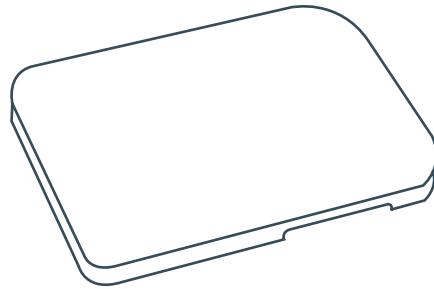
When you receive confirmation messages from your handset, you have two options: either wait for them to time out automatically (this'll take a few seconds), or you can just press Enter to continue a little quicker.

### WARNING

Please be aware that when no button has been pressed for a few seconds, your handset screen will go to sleep. Just press the Power or Enter button to wake it back up.

# Powering up your pump

So, now you've got to know your handset and you've charged your first pump, it's time to learn how to get it ready for action.



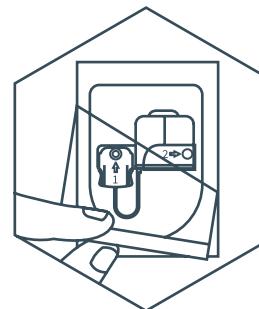
You'll need to start by filling up an insulin cartridge with insulin. We'll walk you through this on the next few pages, but here's a list of all the bits that you'll need. It might help to get everything lined up and ready to go before you start - your Top-up Kit will come in handy for this part!

You'll need:

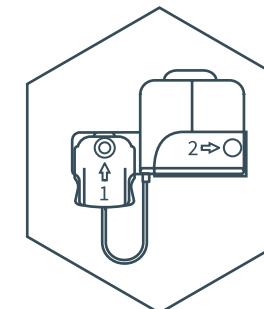
- 1 x fully charged Kaleido pump
- 1 x pouch-packaged insulin cartridge
- 1 x syringe
- 1 x needle
- 1 x body patch
- 1 x pump patch
- 1 x infusion set
- Your Kaleido inserter
- Your vial of U100 insulin

## How do I fill my insulin cartridge with insulin?

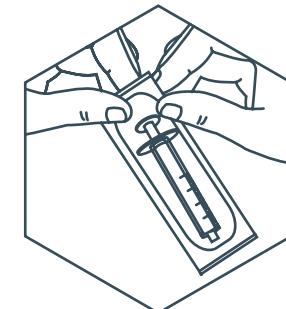
Filling your insulin cartridge properly is really important, so find a clean, flat surface and make sure everything you need is within easy reach. When you're ready, follow these steps:



**STEP 1**  
Remove your insulin cartridge from its packaging.



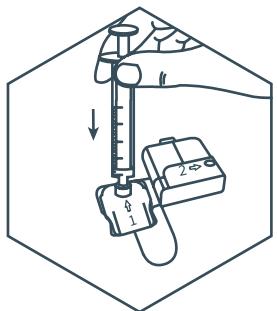
**STEP 2**  
Place the insulin cartridge on a flat surface so that the numbers 1 and 2 are facing towards you.



**STEP 3**  
Remove your syringe from its packaging.

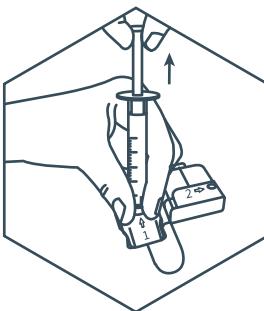
**WARNING**  
Make sure you take a good look at your insulin cartridge pouch when you pick an insulin cartridge to use. If you see any signs of damage, or if the expiration date has passed, please don't use the cartridge. Instead, dispose of the insulin cartridge appropriately and select another.

**WARNING**  
Never prefill your insulin cartridges. You should only fill an insulin cartridge just before you want to insert it into your pump.



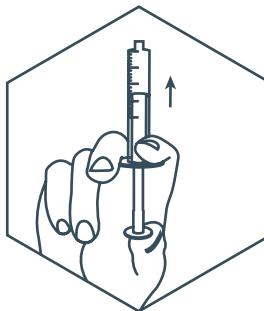
STEP 4

Without moving the plunger, push the pointy end of the syringe firmly into Hole 1 so that it fits securely into the filling cradle.



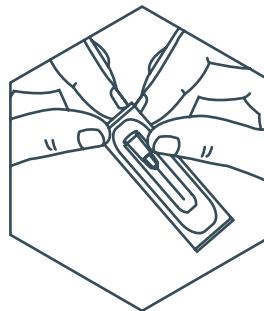
STEP 5

Holding the syringe in place with one hand, use the other to carefully pull the plunger all the way up to the top of the syringe. This will remove any excess air from your insulin cartridge.



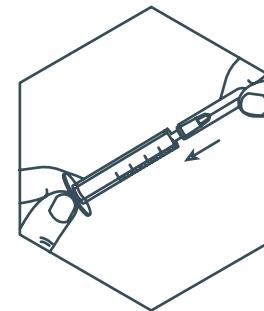
STEP 6

Now, remove your syringe from Hole 1 and push the plunger back towards the pointy end of the syringe.



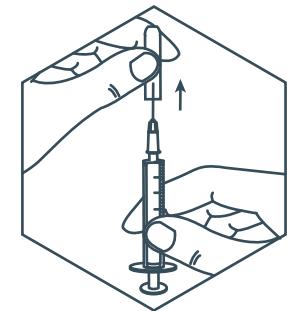
STEP 7

Next, remove your needle from its packaging. No need to remove the needle cap just yet!



STEP 8

Push the needle (with its cap still attached) onto the pointy end of the syringe until the two are securely connected.

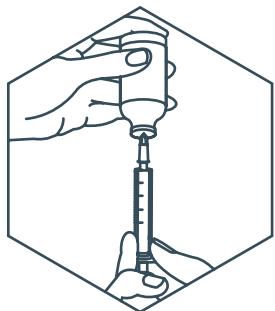


STEP 9

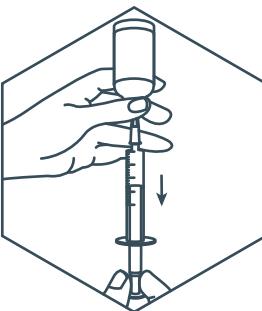
Remove the needle cap from the needle.

**WARNING**

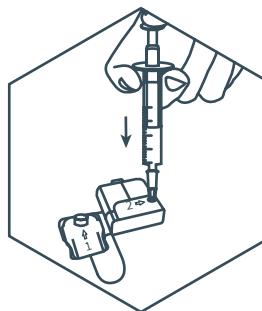
Always ensure your insulin cartridge is clean and dry before filling it with insulin. Fill the insulin cartridge at room temperature, using room temperature insulin. Never fill an insulin cartridge with cold insulin.

**STEP 10**

Using both hands, hold your vial of U100 rapid acting insulin upside down and carefully insert the end of your needle into the vial.

**STEP 11**

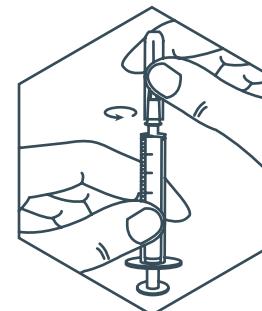
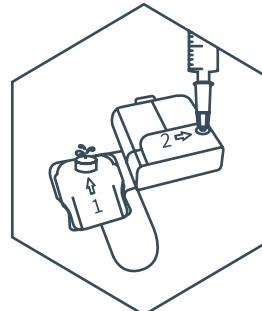
Pull back your plunger until you have just over 2.5 ml of insulin in your syringe. Push the plunger back to meet the 2.5 ml mark to get rid of any air that might have crept into the syringe. Once you have 2.5 ml of insulin in your syringe and you've gotten rid of any air bubbles, remove the needle from the vial.

**STEP 12**

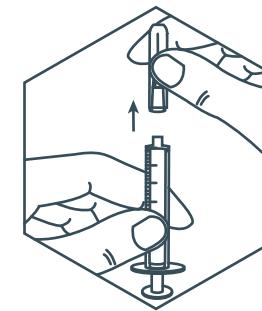
Take your insulin cartridge and gently place the needle into Hole 2. Carefully push down the plunger, filling the cartridge with insulin.

**QUICK TIP**

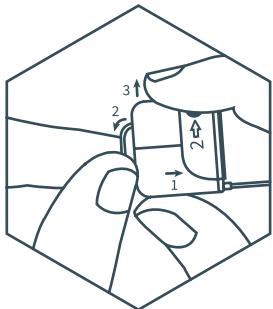
If you see a small bubble inside your filled insulin cartridge, don't worry. The cartridge will make sure the bubble doesn't get into your insulin stream.

**STEP 13**

Remove the needle from the insulin cartridge and replace the needle cap. Twist and pull the needle from the syringe and dispose of both parts responsibly.

**QUICK TIP**

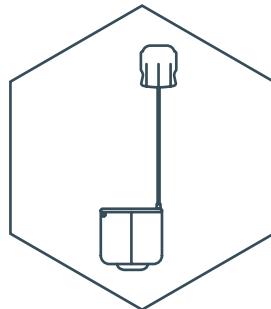
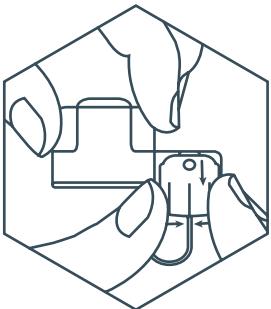
Once you've finished filling the syringe, you might find that turning it upside down (so that the needle is pointing to the floor) and then giving it a gentle tap with your finger will help any air bubbles collect together and travel to the top of the syringe, away from the needle. This will help make sure they stay in the syringe and don't travel into your insulin cartridge – win!



#### STEP 14

Next, you'll need to remove your insulin cartridge from the filling cradle.

First, hold your insulin cartridge in one hand and use the other to push the coloured part of the insulin cartridge further into the filling cradle. This will unhook the plastic tab from the filling cradle's catch and you can remove this part of your insulin cartridge from the filling cradle (you may find it helps to bend the catch away from the plastic tab once you've unhooked it).



#### STEP 15

Ta-da! Your insulin cartridge is now fully filled, primed and ready to use!

#### WARNING

Your insulin cartridge should always be completely full before you start using it.

#### WARNING

Always follow the insulin manufacturer's instructions regarding storage and use of insulin, and always double check the expiration date of your insulin before you use it. If your insulin has passed its expiration date, discard and dispose of it according to the instructions provided by the insulin manufacturer.

#### WARNING

Don't reuse your syringes or needles - doing so may contaminate your insulin and lead to infection. Once you've used a needle and syringe once, always dispose of them responsibly, straight away. We recommend always using a sharps bin.

#### WARNING

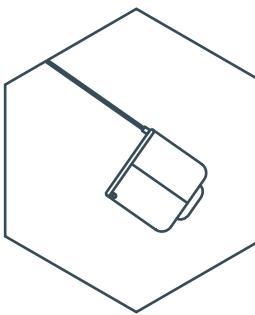
Kaleido insulin cartridges cannot be reused. At the end of use, please remove the insulin cartridge from your pump and dispose of it appropriately. Insulin cartridges cannot be re-sterilised and reusing one could adversely affect your health.

## Now that my insulin cartridge is ready, how do I put it in my pump?

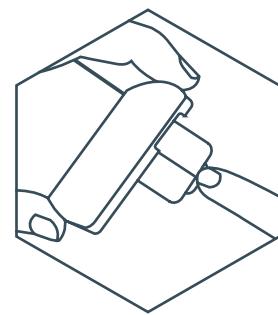
We've made sure that getting your insulin cartridge into your pump is really easy, but it's always important that you take care and pay attention - especially if it's your first time!



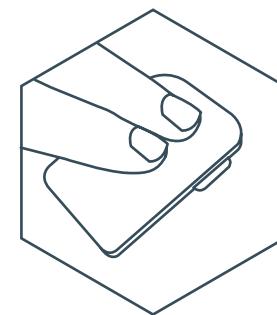
**STEP 1**  
Check that your handset is turned on and within reach.



**STEP 2**  
Place your prepared insulin cartridge onto a clean surface. Make sure the plastic tab is flat against the surface and then use the plastic tab to hold the insulin cartridge in place.



**STEP 3**  
With the colourful shell facing upwards, take your fully charged pump and place it on top of your insulin cartridge. Line it up with the plastic tab.



**STEP 4**  
Carefully push your pump onto your insulin cartridge until you hear it click into place. There you have it - your insulin cartridge is in!

### QUICK TIP

Inserting an insulin cartridge into a pump will turn your pump on. To let you know it has detected the inserted insulin cartridge, a recognition tone will sound from your pump. Your handset will also sound the recognition tone when it recognises that you've inserted an insulin cartridge into your pump. The recognition tones also let you know that your pump and handset alarm systems are working properly. If you don't hear them, call Kaleido Care for help.

### WARNING

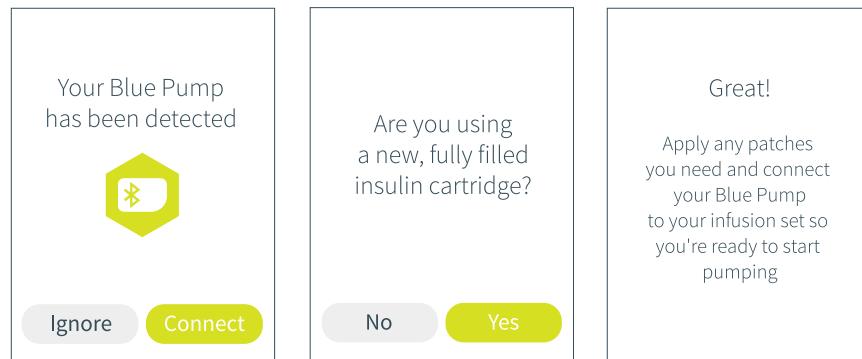
Your Kaleido pumps will dispense a small amount of insulin when you insert a new insulin cartridge. For your safety, you must never insert or remove an insulin cartridge while wearing your Kaleido pump or if it is connected to your current infusion set.

### WARNING

If you have any reason to believe your insulin cartridge may have leaked, we recommend you stop using it and replace it immediately.

# How do I connect my pump to my handset and start pumping?

Good news - your pump and handset can tell when you've inserted a new insulin cartridge into your pump (see *Now that my insulin cartridge is ready, how do I put it in my pump?*) and, when this happens, your handset will automatically start walking you through the steps you'll need to take to start pumping. Here's what'll happen next:



## STEP 1

Once it recognises you've inserted a new insulin cartridge into your pump, your handset will show a message confirming that a pump has been detected. Make sure the pump name on your handset matches the pump you're trying to start. When you are ready, press the Enter button to select **Connect**.

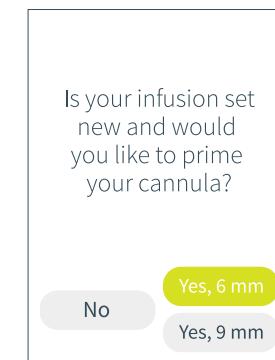
## QUICK TIP

Your pumps are named after their colour – if you have a purple pump, its pump name will be Purple Pump. A turquoise pump will be your Turquoise Pump. See what we've done there? We're pretty proud of that one.

## QUICK TIP

Unless you are preparing a pump and insulin cartridge for the very first time, you'll need to make sure you've stopped the pump you were most recently using first. Remove and dispose of the insulin cartridge appropriately, then put your old

pump on charge. This is important because your handset will not be able to acknowledge a new connection if it's still paired to the last pump you were using.



## STEP 4

Your handset will now ask you if your infusion set is new and if you would like to prime your cannula. You have three options to choose from:

- If you have a new infusion set with a 6mm cannula that you would like to prime, press Enter to select **Yes, 6 mm**.
- If you have a new infusion set with a 9mm cannula that you would like to prime, scroll down to **Yes, 9 mm**, then press Enter to select it.

- You can find out more about priming your cannula by checking out *Why do I need to prime my cannula?*

## WARNING

To start pumping you'll need at least one basal profile saved to your handset. If you insert an insulin cartridge into your pump without having any saved basal profiles, your handset won't be able to acknowledge the pump.

Are you ready to prime your cannula and start pumping?  
Selecting 'Yes' will start your pump

No

Yes

## QUICK TIP

If you've changed your mind, just press the left button to scroll to No. Press Enter to select it – your handset will confirm that your cannula won't be primed and that your pump is stopped, and then you'll be taken back to the Home screen.

## STEP 5

If you chose Yes, 6 mm or Yes, 9 mm you'll now be asked if you're ready to prime your cannula and start pumping. Are you wearing your prepared pump and infusion set and ready to go? Great! Select Yes again.

Your handset will stay on this screen for as long as you need it to if you'd like a little extra time to apply everything, so make sure you don't select Yes until you really are wearing your pump and infusion set and are ready to start receiving insulin!

Your cannula is currently priming



Please hang on a mo while priming completes!

## STEP 6

Your cannula will start to be primed as soon as you select Yes. On your handset, you'll be able to see a countdown – *sit tight, it doesn't take long!*

Your Blue Pump has been started



It's currently running the basal profile **Weekday**



## STEP 7

Once priming has completed, your handset will confirm that pumping has started. You can let the confirmation message time out after a few seconds, or press Enter to jump back to the Home screen a little quicker.

## STEP 8

The Home screen will now display your new pump details. *Snazzy!*

## Why do I need to prime my cannula?

You don't need to prime your Kaleido insulin cartridge, so you might be wondering why you need to prime your infusion set's cannula. Well, when you fill your insulin cartridge, it isn't connected to your infusion set, so your cartridge can only prime as far as the end of the insulin cartridge connector. When you start wearing your pump and connect it to a new infusion set, your cannula (the small piece of tubing that enters your body) won't contain any insulin. This means that when you start pumping, the insulin delivered will need to fill the cannula before it really starts being delivered to you. And that means you could be waiting for insulin for a little longer than you'd planned.

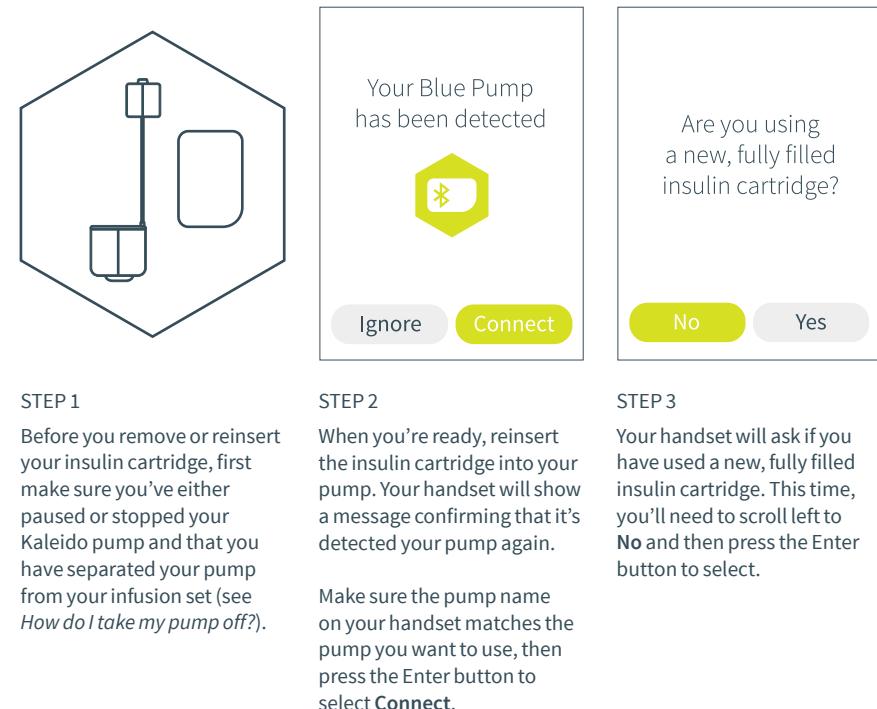
You can avoid this though by priming your cannula – all it means is that an extra bit of insulin will be delivered to fill your new cannula quickly, so that normal insulin delivery can start almost straight away. How much insulin do you need to deliver to prime your cannula? *Don't worry, we've worked that out for you!* All you need to do is tell your handset which size cannula you're currently using - 6mm or 9mm.

## Do I always need to prime my cannula?

Almost always, yes. But if you're only changing your insulin cartridge and *not* your infusion set too, then you won't need to prime your cannula because it will already be full.

## If I have to remove an insulin cartridge, can I put it back into my pump?

Sometimes, you might need to remove an insulin cartridge from your pump because of an alarm, an alert or for some other reason. If this happens and you want to reinsert the cartridge later to carry on using it, here's what you'll need to do. You can also follow these steps if you need to change your infusion set but *not* your insulin cartridge:



### WARNING

Your Kaleido pumps will dispense a small amount of insulin when you insert a new insulin cartridge. For your safety, you must never insert or remove an insulin cartridge while wearing your Kaleido pump or if it's connected to your current infusion set.

### WARNING

You must not reuse old insulin cartridges in your Kaleido pumps. It's important that you only use newly prepared insulin cartridges or an insulin cartridge that has been removed from your pump temporarily and then immediately reinserted. If you try to use an old insulin cartridge, your handset will not allow you to start pumping and will ask you to prepare and insert a new cartridge.

Is this the insulin cartridge you were using last?



No

Yes

#### STEP 4

Your handset will ask if this is the insulin cartridge you were last using. If it is, select Yes.

If it's not the cartridge you were last using, select No. You won't be able to reuse the insulin cartridge and your handset will talk you through what to do next.

#### STEP 5

A message will pop-up to remind you to prepare and apply your pump – this message will time out after a few seconds, but you can press Enter to jump to the next screen a little quicker.

See *How do I wear my pump?* for a reminder of how to prepare and apply your pump.

### QUICK TIP

You may need to replace your pump and body patches after you've reinserted an insulin cartridge. See *How do I wear my pump?* for a reminder of how to do this.

Is your infusion set new and would you like to prime your cannula?

No

Yes, 6 mm

Yes, 9 mm

#### STEP 6

Your handset will now ask you if your infusion set is new and if you would like to prime your cannula. You have three options to choose from:

- If you have a new infusion set with a 6mm cannula that you'd like to prime, press Enter to select Yes, 6 mm.

- If you have a new infusion set with a 9mm cannula that you'd like to prime, scroll down to Yes, 9 mm, then press Enter to select it.

- If you don't want to prime your new infusion set's cannula or if you're not using a new infusion set, just press the left button to scroll to No, then press Enter to select it. If you select No, you'll be asked if you're ready to start pumping and your handset will then guide you through the next steps.

You can find out more about priming your cannula by checking out *Why do I need to prime my cannula?*



Are you ready to prime your cannula and start pumping?

Selecting 'Yes' will start your pump

No Yes

**QUICK TIP**

If you've changed your mind, just press the left button to scroll to No. Press Enter to select it – your handset will confirm that your cannula won't be primed and that your pump is stopped, and then you'll be taken back to the Home screen.

**STEP 7**

If you chose Yes, 6 mm or Yes 9 mm, you'll now be asked if you're ready to prime your cannula and start pumping. Are you wearing your prepared pump and infusion set and ready to go? Great! Select Yes again.

Don't select Yes until you're wearing your pump and infusion set and ready to start receiving insulin. Your handset will stay on this screen for as long as you need it to.

**QUICK TIP**

If you've changed your mind, just press the left button to scroll to No. Press Enter to select it – your handset will confirm that your cannula won't be primed and that your pump is stopped, and then you'll be taken back to the Home screen.

Your cannula is currently priming

Please hang on a mo while priming completes!



Your Blue Pump has been started

It's currently running the basal profile Weekday

**STEP 8**

Your cannula will start to be primed as soon as you select Yes. On your handset, you'll see a priming countdown.

**STEP 9**

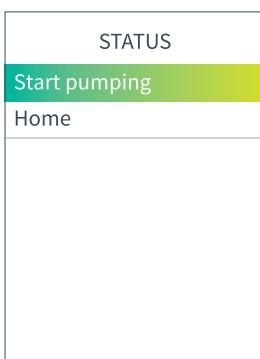
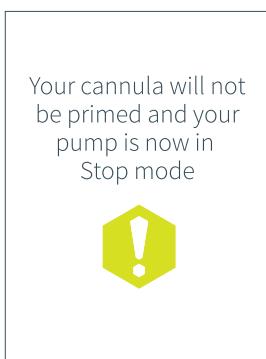
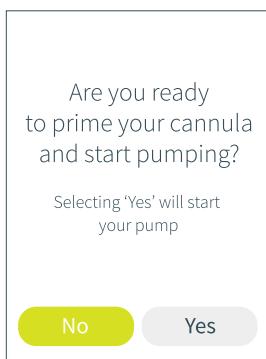
Once priming has completed, pumping will automatically start and your handset will confirm this for you. Press Enter to jump back to the Home screen a little quicker.

**STEP 10**

The Home screen will continue to display your pump's details.

## What if I don't want to start pumping straight away?

There might come a time when you insert an insulin cartridge into your pump, but you're not ready to start pumping straight away. That's fine! Here's what you'll need to do:



### STEP 1

When your handset asks you if you're ready to prime your cannula and start pumping (or just whether you're ready to start pumping if you've chosen not to prime your cannula), don't select Yes. Instead, scroll left and press Enter to select No.

Your pump will then enter Stop mode. Easy!

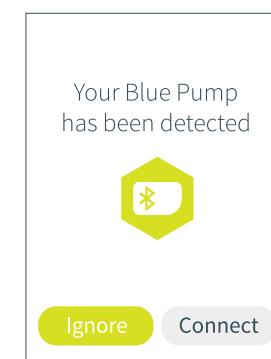
### STEP 2

Later, when you're ready to start pumping, just go to the Status menu and select **Start pumping** to get going (see *How do I restart my pump?*). You'll be given another chance to prime your cannula at this point too.

#### WARNING

When your pump is in Stop mode, your handset and pump will stay connected but your pump will not deliver any insulin at all. The Bolus menu will be inaccessible from your Home screen and you'll also be unable to set a temporary basal rate.

## What if I don't want to connect my handset to a pump straight away?



Ignore Connect

You can choose to postpone connecting your handset and pump. All you have to do is select **Ignore** when your handset confirms that it has detected a new pump.

When you're ready to start a connection, just reinsert your insulin cartridge into your pump and follow the instructions on screen.

# Wearing your Kaleido pump and infusion set

Ready to start wearing your pump and infusion set? Excellent! Here's how to safely and securely attach and remove them.

## Right, infusion sets at the ready!

Once you get the hang of it, putting on an infusion set is quick and easy.

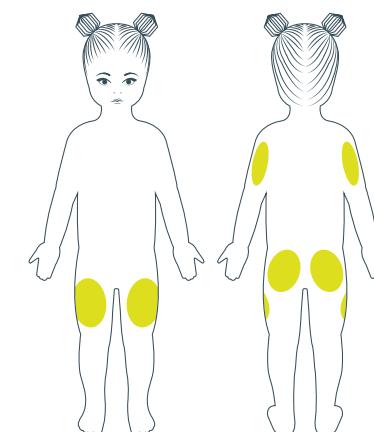
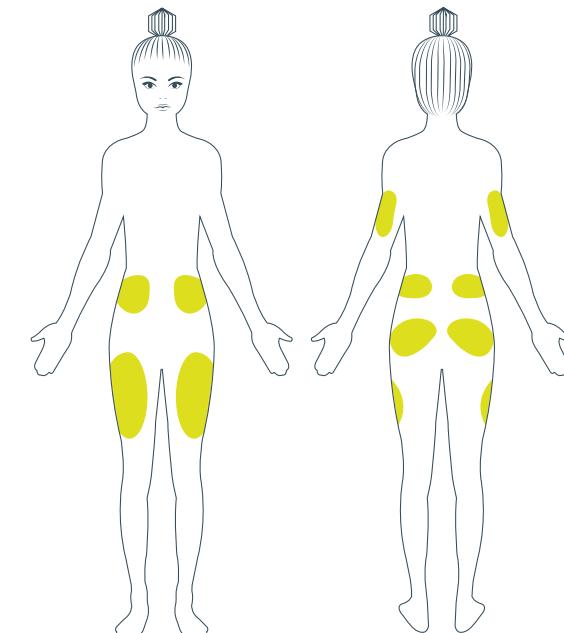
Firstly, it's really important that you only ever place your infusion sets on suitable parts of your body – these are the wobblier areas with a bit more fatty tissue! The pictures on the following page will help you work out exactly where these are, but your Healthcare Provider will be able to help you with this too.

### **WARNING**

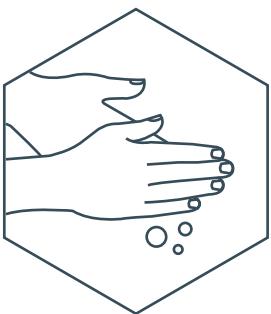
It's important that you only use the infusion sets supplied with your Top-up Kit. Using alternatives may adversely affect your Kaleido's performance.

## Where can I wear infusion sets?

You can wear an infusion set on any of the areas highlighted in green. Take your pick!

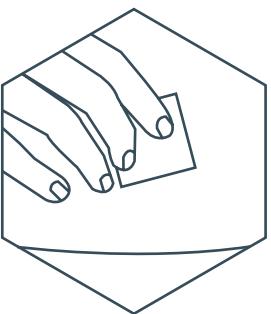


## How do I put an infusion set on?



STEP 1

This bit's easy - start by washing your hands thoroughly.



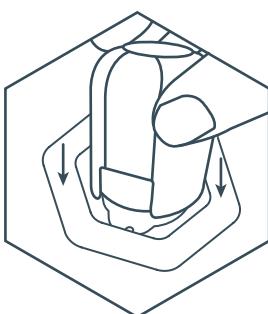
STEP 2

Next, ensure that the area where you want to position your infusion set is clean – wipe over it with an alcohol wipe, then allow your skin to dry. It works best if you choose an area where your clothing won't rub against your infusion set.



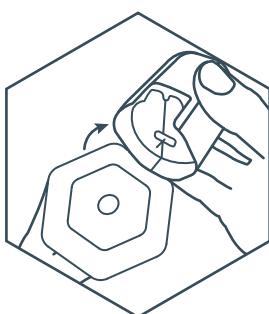
STEP 3

Remove the paper lid on your infusion set's packaging.



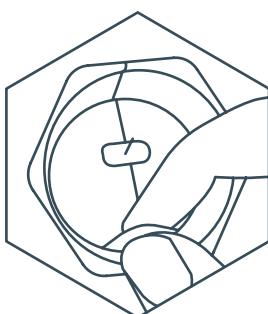
STEP 6

Holding your infusion set's packaging in place with one hand, use the other to firmly push your inserter onto the top of your infusion set. Push down until you hear the infusion set click into your inserter.



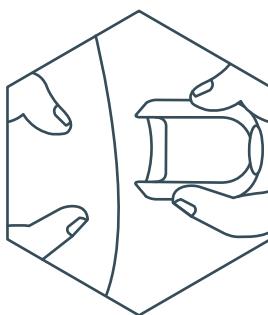
STEP 7

Lift your inserter out of the infusion set packaging. Be careful not to touch the needle – it's important that it stays sterile!



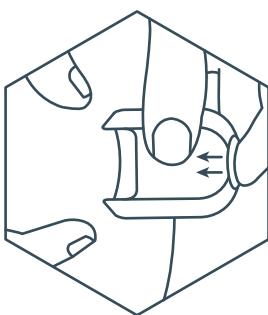
STEP 8

Next, peel the paper backing off the sticky part of the infusion set. Try not to touch the sticky area underneath the paper as it could affect how well the infusion set sticks to your skin.



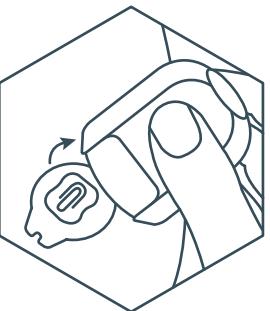
STEP 9

Place your inserter on the area of your body where you'd like to wear your infusion set. Use your other hand to hold your skin taut. Remember, you can use the gap in the base of your inserter as a guide for where your insulin cartridge will connect to your infusion set.

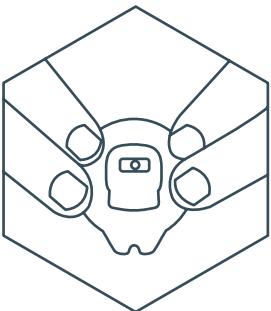


STEP 10

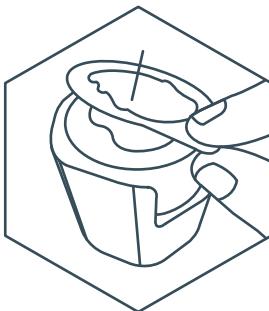
When your inserter is in the right place, take a deep breath and firmly press the button at the top of your inserter. This will push the infusion set into your body – you may feel a small sting, but it will only last a moment.

**STEP 11**

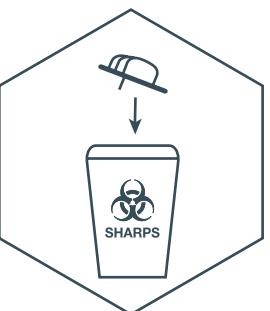
Now that's done, you can remove your inserter. Your infusion set will be securely stuck to your body and the plastic cap and needle will be inside your inserter. Put your inserter to one side for now, but be careful of the needle!

**STEP 12**

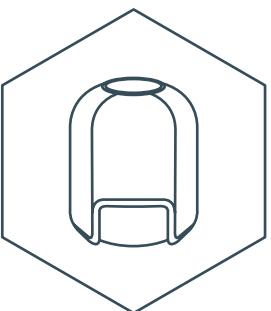
Gently rub the material around the edge of your infusion set to make sure it's sticking to your skin properly. If it's peeling at this stage, it's unlikely that it will last for three full days of wear, so you might choose to remove it now and try again with another one – it's up to you. But, if it's feeling nice and secure, then your infusion set is ready to go!

**STEP 13**

Now you just need to sort out your inserter. Carefully remove the plastic cap by holding onto the tabs to lift it out of the inserter.

**STEP 14**

Make sure you dispose of the needle appropriately.

**STEP 15**

Last but not least, don't forget to keep your inserter safe, ready for next time!

## Some important reminders...

**WARNING**

When preparing to apply a new infusion set, make sure you check the infusion set's packaging and the infusion set itself for damage first. You must not use an infusion set if you see any signs of damage, or if the infusion set's expiration date has passed. Instead, select a different infusion set and contact Kaleido Care at a time that's convenient for you.

**WARNING**

It's important to make sure you rotate your sites whenever you change your infusion set. This will help you avoid developing scar tissue. Scar tissue can disturb the flow of insulin into your body and may limit your ability to absorb it properly in the future.

**WARNING**

When you apply your infusion set, bear in mind the length of your insulin cartridge's tubing. Make sure you position it close to where you want to wear your pump. The tubing should always be slack, never pulled tight.

**WARNING**

It's important to dispose of your needle appropriately. We recommend always using a sharps bin.

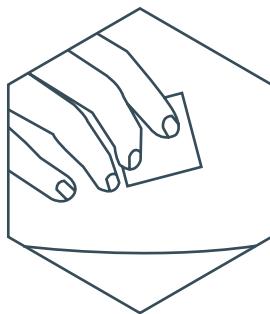
**WARNING**

You need to make sure your infusion set stays clean. Keep an eye on this - if it becomes dirty, you may need to change it early, before its maximum of three days of use have come to an end.

# How do I wear my pump?

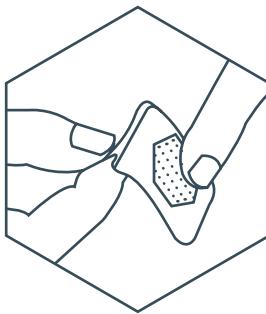
Now that you've positioned your infusion set, it's time to put on your pump!

In your Top-up Kit, you'll find your body patches and pump patches - you'll need one of each every time you change your pump. The two connect together and help keep your pump securely in place for the time you spend together.



## STEP 1

Keeping in mind the location of your infusion set and the length of your insulin cartridge tubing, decide where you'd like to wear your pump. Use an alcohol wipe to gently clean the area and then allow your skin to dry naturally.



## STEP 2

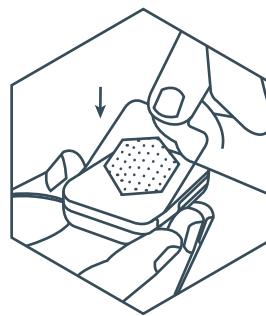
Peel off the paper backing that covers the back of your pump patch. This will reveal the patch adhesive.

## QUICK TIP

Keep your fingers away from the sticky areas – touching them could make them less sticky.

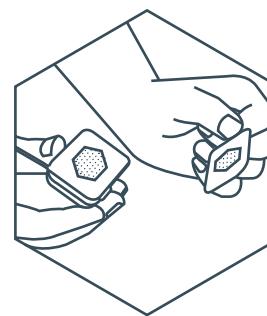
## WARNING

It's best to make sure that the back of your pump is clean and dry before you attach a pump patch. It'll ensure a better bond between the patch and pump, and prevent your pump from coming loose over time.



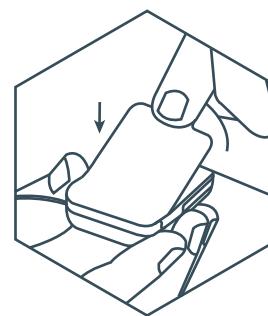
## STEP 3

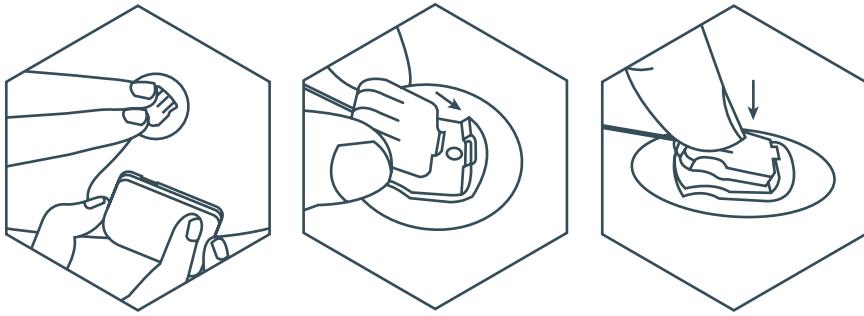
Stick the bottom of the pump patch to the bottom of your pump, so it covers the insulin cartridge and the fuzzy hexagon shape faces outwards.



## STEP 4

Next, take your body patch. Without removing its paper backing, stick your body patch to your pump patch by pressing together the fuzzy hexagon shapes on each of the patches. Try and make sure your body patch lines up neatly with your pump.





#### STEP 5

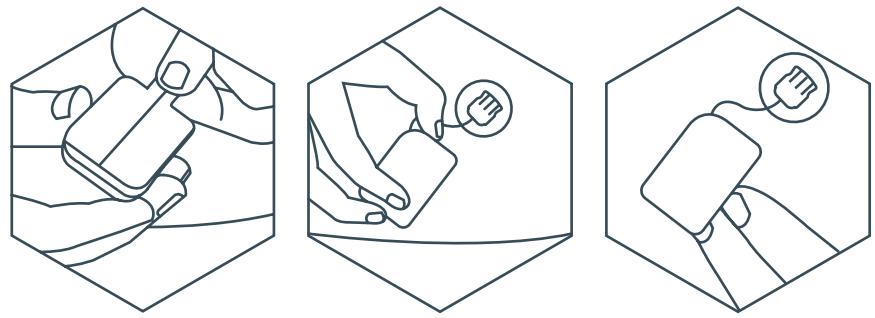
Next, being careful to support the weight of your pump, clip the connector at the end of your insulin cartridge tubing into your infusion set. You'll know it's secure when you hear the two distinct clicks as the right and left hand sides connect.

#### QUICK TIP

Once you've smoothed down the edges of your body patch, try not to play with it too much, especially during the first hour of wear. This will make sure it has stuck securely, ready for action!

#### QUICK TIP

If you choose to pause and remove your pump for a short period of time, just remember to close the protective cover on your infusion set.



#### STEP 6

Holding onto your pump, peel off the paper backing from the top of your body patch.

#### STEP 7

Place your pump where you'd like to wear it – the sticky side of your body patch's adhesive should now be touching your skin. Be careful not to stretch or kink your insulin cartridge's tubing.

#### STEP 8

With your pump now in place, gently smooth down the edges of your body patch to make sure it's stuck securely. And you're done!

#### WARNING

If you ever start to feel uncomfortable while wearing your pump, pause or stop pumping and remove it. Only reattach and resume pumping once you feel comfortable. Blood glucose levels should be closely monitored while you are disconnected from your

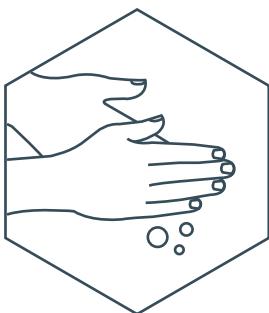
pump and also when you reconnect to it. Make sure you use alternative insulin therapy methods if required and consult your Healthcare Provider as soon as possible.

# How do I take my pump off?

There are two reasons why you might want to take off your pump:

- If you've paused it and want to remove it temporarily
- If you're ready to swap over to your other Kaleido pump

To remove your pump while it's paused



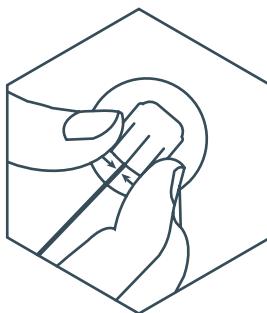
STEP 1

Get started by washing your hands thoroughly.



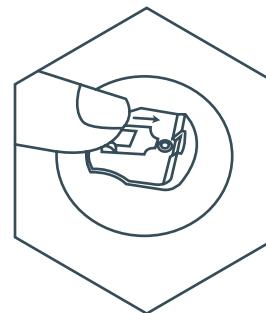
STEP 2

Next, follow *How do I pause my pump?* to put your pump on pause.



STEP 3

Gently squeeze the tabs on the side of your insulin cartridge connector to unclip it from your infusion set - your pump and infusion set are now separated.



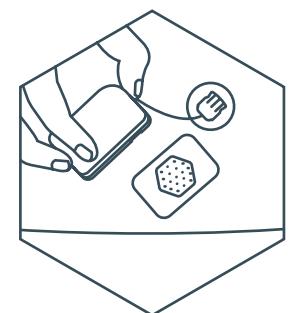
STEP 4

Close the protective cover on your infusion set.



STEP 5

You can now take your pump off easily by lifting it away from your body patch.



STEP 6

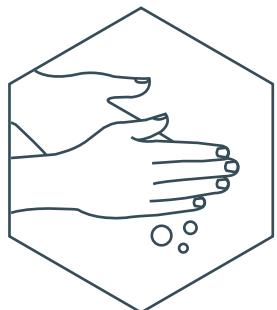
When you're ready to put your pump back on, reconnect your insulin cartridge connector to your infusion set and reattach your pump – simple!

For help with unpauseing your pump, see *How do I unpause my pump?*

## Removing your pump and infusion set at the end of use

### WARNING

Pump and body patches are designed to be worn for a maximum of three days only. It is not advisable to reuse patches as they may lose their adhesive, which could result in your pump becoming detached.



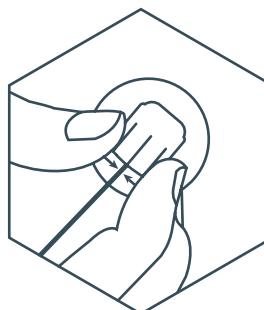
#### STEP 1

Get started by washing your hands thoroughly.



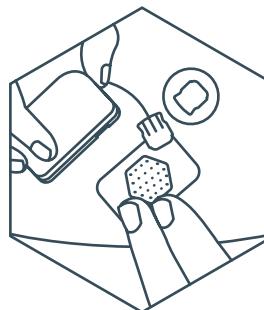
#### STEP 2

Next, follow *How do I stop my pump?* to stop your pump.



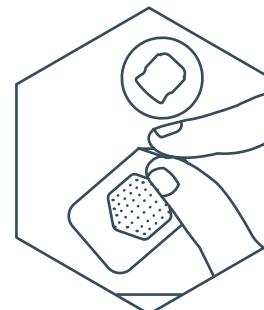
#### STEP 3

Once your pump is stopped, gently squeeze the tabs on the side of your insulin cartridge connector to unclip it from your infusion set - your pump and infusion set are now separated.



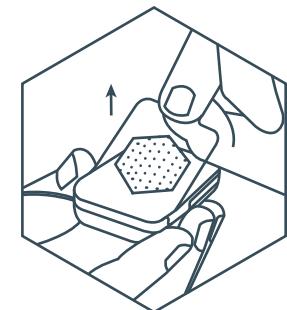
#### STEP 4

You can now take your pump off easily by lifting it away from your body patch.



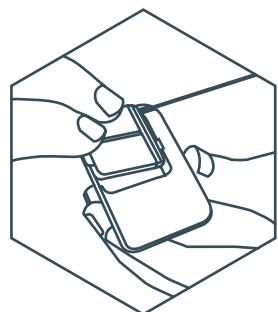
#### STEP 5

Once that's done, gently remove the body patch from your skin and the pump patch from the back of your pump.

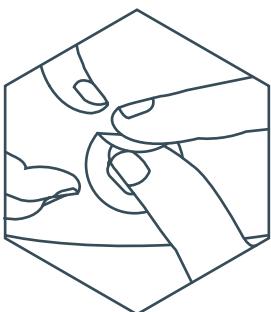


### QUICK TIP

If you're removing your pump and infusion set at the end of use so that you can swap over to your other pump, make sure that you remove the old insulin cartridge from the pump you were just using first, before you try and connect your handset to your new pump. This is important because your handset won't be able to acknowledge a new connection if it's still paired to the last pump you were using.



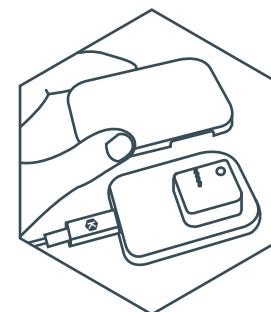
STEP 6  
Take the insulin cartridge out of your pump.



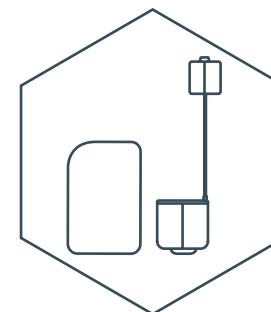
STEP 7  
Finally, it's time to remove your infusion set. Peel a little of the adhesive away from your skin and then continue to peel away the whole infusion set – after a few days use, it will have lost a little of its stickiness, but take care not to pull it too hard. You might find this bit easier if you hold your skin taut with your spare hand.



STEP 8  
Dispose of your infusion set, insulin cartridge, body and pump patches appropriately and then wash your hands again.



STEP 9  
Make sure you recharge your pump as soon as you can, so it's ready to go the next time you need it!



STEP 10  
You're now ready to prepare your next insulin cartridge and pump!

Basal



## Remind me, what does basal mean again?

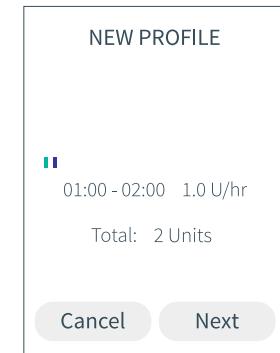
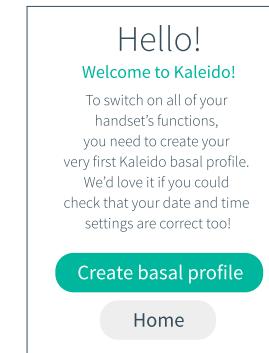
The Basal section of your Home screen is there to helpfully link you to all of Kaleido's functions related to your basal insulin.

Instead of giving yourself one dose of long acting insulin every 24 hours, your pump delivers a pre-programmed, continuous dose of insulin throughout the day and night. This continuous dose is called a basal. As you choose the amount in advance, it doesn't take into account the food you eat or the activities you take part in. It works in the background, keeping things steady.

A basal is programmed hour-by-hour in 24 hour chunks. This hourly rate is known as your basal rate and each pre-programmed 24 hour period is known as a basal profile.

I've just turned my handset on for the first time, where do I start?

Creating your own basal profiles using your Kaleido handset is pretty straightforward – ready to get cracking?

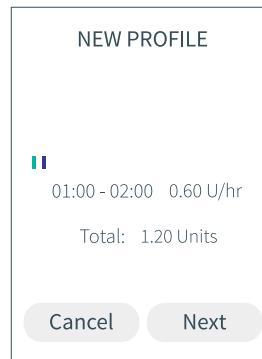
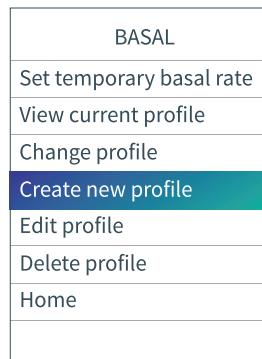


**STEP 1**  
When your handset turns on, you'll be prompted to create your first basal profile. Just press the Enter button to select **Create Basal Profile**.

**STEP 2**  
You'll be taken straight to the Create new profile screen. From here, follow *How do I create a basal profile?* from Step 3 onwards.

**QUICK TIP**  
We all live very different lives, so this means that the amount of insulin we need can be very different too. That's why it's best to talk to your Healthcare Provider about the delivery of insulin that suits you best before you start creating basal profiles on your Kaleido handset.

# How do I create a basal profile?

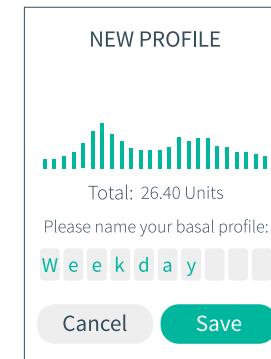
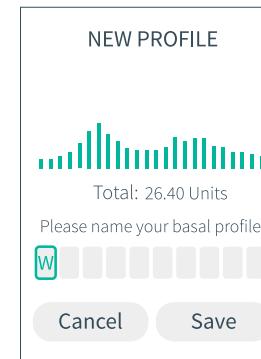


## QUICK TIP

You can change your mind and stop creating the basal profile at any point in the process by selecting **Cancel**.

## QUICK TIP

To avoid confusion, it's a good idea to give all of your basal profiles a completely unique name.



## STEP 1

On the Home screen, scroll to **Basal** and press Enter to select.

## STEP 2

Scroll to and select **Create new profile**.

## STEP 3

Press the left and right buttons to scroll between each hourly segment. You have all 24 hours of the day to play with! Press the up and down buttons to select the basal rate you want for each hour. Below the basal profile graph, you'll see details of the hour you're currently setting, along with the rate that you are entering.

You can set basal rates in increments as tiny as 0.05 units of insulin! The smallest basal rate you can set for an hour is 0.05 units, the largest is 5 units.

## STEP 4

When you've entered a basal rate for each hour and you're happy that your new basal profile is ready, press the Enter button. Press Enter again to select **Next**.

If you want to return to the basal profile graph before you select **Next**, just press the up button.

## STEP 5

Next up, it's time to enter a name for your new basal profile. Get creative! Call us crazy, but we like descriptive names like **Weekday** or **Weekend** – but who are we to tell you what to do?

Use the up and down buttons to scroll to the letter or number you want to use. Press the right button to move onto the next letter or enter a space.

To scroll through the alphabet quickly, just press and hold the up or down button.



Your new basal profile  
**Weekday**  
has been saved



#### QUICK TIP

Your handset can store up to seven basal profiles at a time. If you've filled your basal profile memory, you'll need to delete a basal profile before you can create a new one. See *How do I delete a basal profile?* for more info.

#### QUICK TIP

If you're creating your very first basal profile, it will automatically be set as the default basal profile for pumping.

#### STEP 7

Your handset will confirm that your basal profile has been saved. *Hooray!* Press enter to return to the Home screen a little quicker.

## Basal profile created

Help – I need to check which basal profile I'm currently pumping!



BASAL
Set temporary basal rate
<b>View current profile</b>
Change profile
Create new profile
Edit profile
Delete profile
Home



#### STEP 1

On the Home screen, scroll to **Basal** and press Enter to select.

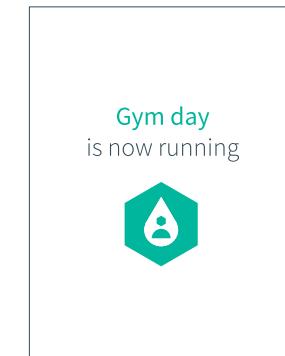
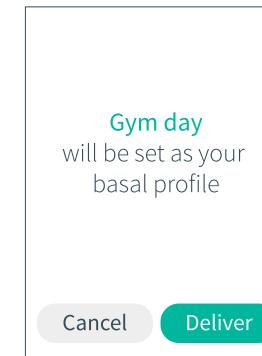
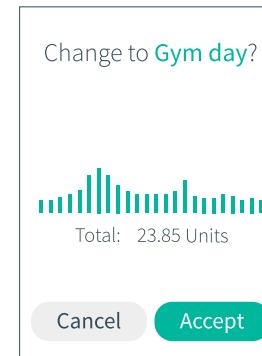
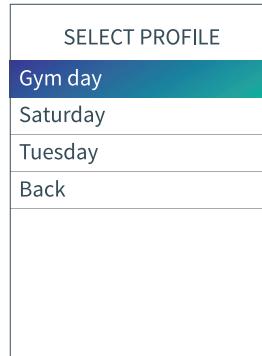
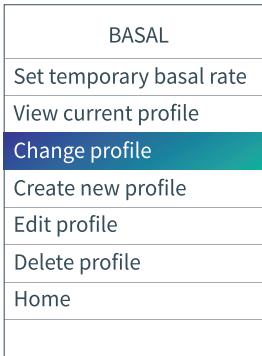
#### STEP 2

Scroll to and select **View current profile**.

#### STEP 3

Your handset will show you the basal profile that you're currently pumping. Use the left and right buttons to scroll through the hourly basal rates. Press Enter and then Enter again to select **Back** and go back to the Basal menu.

## How do I change to a different basal profile?



**STEP 1**  
On the Home screen, scroll to **Basal** and press Enter to select.

**STEP 2**  
Scroll to and select **Change profile**.

**STEP 3**  
Your handset will show you a list of your saved basal profiles. Scroll to the one you'd like to change to and then press the Enter button.

You can't select the basal profile that's currently in use!

**STEP 4**  
Press Enter to select **Accept**.

**STEP 5**  
Press Enter again to **Deliver** the new basal profile.

**STEP 6**  
A confirmation message will pop-up - press Enter to return to the Home screen a little quicker.

### QUICK TIP

Running a temporary basal rate? You won't be able to change to a different basal profile while your temporary basal rate is still going, so you'll either have to stop your temporary basal rate first or just wait until it's finished to make your change.

# Editing your basal profiles

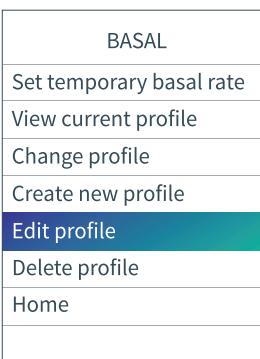
Over time, you may want to tweak your basal profiles to make them even better. Let's take a look at all the changes you can make.

## How do I modify a basal profile?

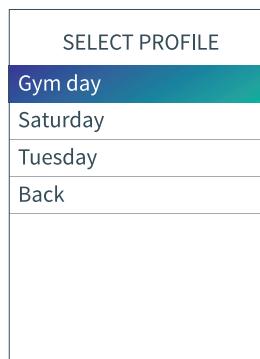
Need to adjust a basal profile? No problem! Just follow these steps:



**STEP 1**  
On the Home screen, scroll to **Basal** and press Enter to select.

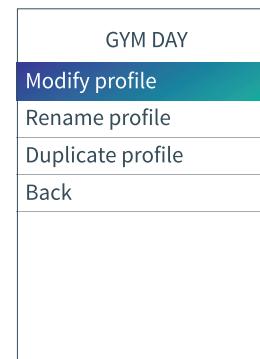


**STEP 2**  
Scroll to and select **Edit profile**.



**STEP 3**  
Scroll to and select the profile you'd like to modify.

You can't edit the basal profile that your pump is currently pumping, and so it won't appear on this list of saved basal profiles.



**STEP 4**  
Select **Modify profile**.

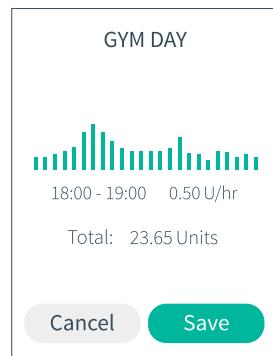


**STEP 5**  
The profile you've selected will pop-up on your handset. Press the left and right buttons to scroll between the hourly segments. Then, just like when you first created your basal profile, you can press the up and down buttons to increase or decrease any of the basal rate amounts.

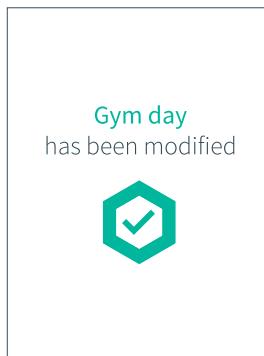
**QUICK TIP**  
You can select Cancel and return to the Edit profile menu whenever you like. If you do, any changes you've made won't be saved and your basal profile will remain unchanged.

## How do I rename a basal profile?

Changing the name of a basal profile is really simple! Just follow these steps:



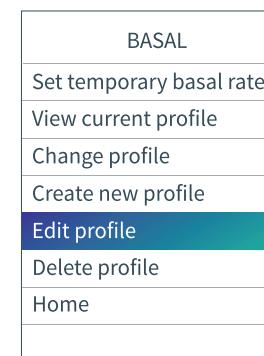
**STEP 6**  
When you're happy with the modifications you've made, press Enter and then Enter again to select **Save**.



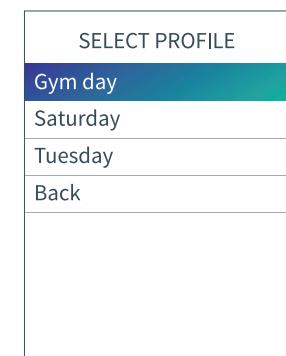
**STEP 7**  
A confirmation message will pop up – your changes have been saved! Press Enter to return to the Home screen a little quicker.



**STEP 1**  
On the Home screen, scroll to **Basal** and press Enter to select.

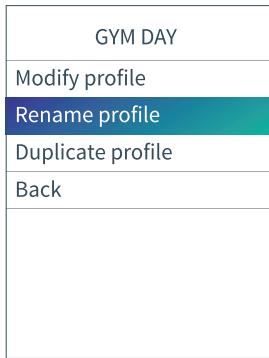


**STEP 2**  
Scroll to and select **Edit profile**.

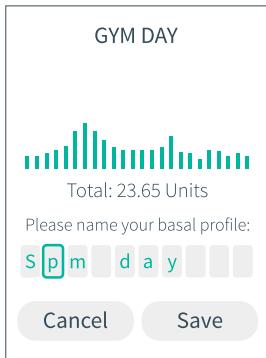


**STEP 3**  
Scroll to and select the profile you'd like to rename.

You can't rename the basal profile that your pump is currently pumping, and so it won't appear on this list of saved basal profiles.

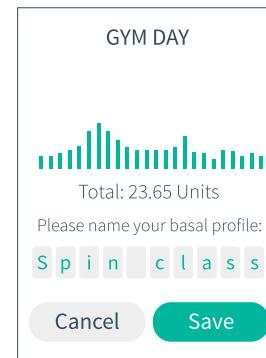


STEP 4  
Select **Rename profile**.

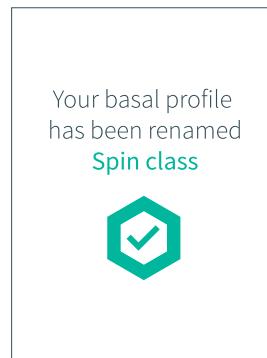


STEP 5  
The profile you've selected will appear on your handset. Use the left, right, up and down buttons to scroll through the letters and change your profile's name.

**QUICK TIP**  
You can select **Cancel** and return to the Edit profile menu whenever you like. If you do, any changes you've made won't be saved and the name of your basal profile will remain unchanged.



STEP 6  
When you are happy with the new name (*hey, take your time - it's a difficult decision, we know!*), press Enter and then Enter again to select **Save**.



STEP 7  
A confirmation message will pop up – your profile name has been changed! Press Enter to return to the Home screen a little quicker.

## How do I duplicate a basal profile?

Started going to the gym on a Thursday evening? Nice work! Or out for brunch every Sunday? Lucky you! Duplicating a basal profile is a great time-saver if you want to create a new basal profile that's similar to one you already have.

Here's how it's done:



### STEP 1

On the Home screen, scroll to **Basal** and press Enter to select.

BASAL
Set temporary basal rate
View current profile
Change profile
Create new profile
<b>Edit profile</b>
Delete profile
Home

### STEP 2

Scroll to and select **Edit profile**.

SELECT PROFILE
Gym day
Saturday
Tuesday
Back

### STEP 3

Scroll to and select the profile you'd like to duplicate.

You can't duplicate the basal profile that your pump is currently pumping, and so it won't appear on this list of saved basal profiles.

GYM DAY
Modify profile
Rename profile
<b>Duplicate profile</b>
Back

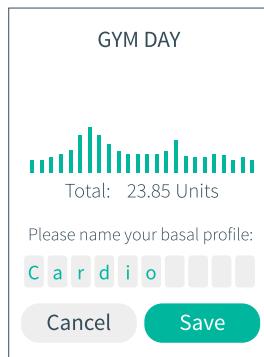
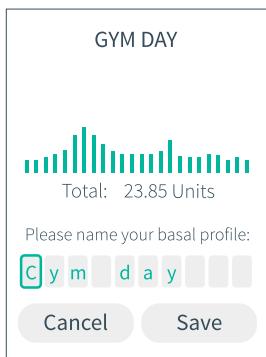
### STEP 4

Select **Duplicate profile**.



#### QUICK TIP

You can select **Cancel** and return to the Edit profile menu whenever you like. If you do, any changes you've made won't be saved and your basal profile won't be duplicated.

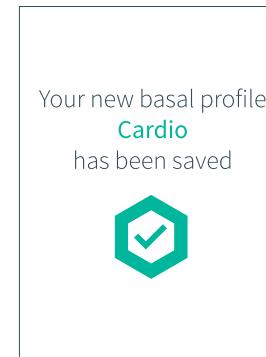


#### STEP 5

The profile you've selected will pop up on your handset. Use the left, right, up and down buttons to scroll through the letters and create a new name.

#### STEP 6

When you're happy with your new name, press Enter and then Enter again to select **Save**.



#### QUICK TIP

Your handset can store up to seven basal profiles at a time. If you've filled your basal profile memory, you'll need to delete a basal profile before you can create a new one. See *How do I delete a basal profile?* for more info.

#### STEP 7

A confirmation message will pop up – your profile has been duplicated! Press Enter to return to the Home screen a little quicker.

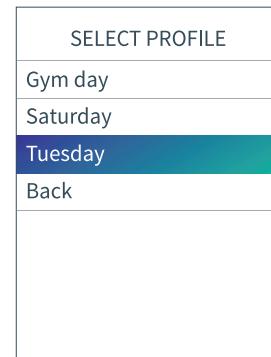
## How do I delete a basal profile?

After you and Kaleido have been friends for a while, you might find that you've created a basal profile you never actually use. *Hey, no hard feelings - these things happen!* You can delete basal profiles by following these five easy steps:



- STEP 1**  
On the Home screen, scroll to **Basal** and press Enter to select.
- STEP 2**  
Scroll to and select **Delete profile**.

**QUICK TIP**  
Your handset can store up to seven basal profiles at a time. If you've filled your basal profile memory, you'll need to delete a basal profile before you can create a new one.

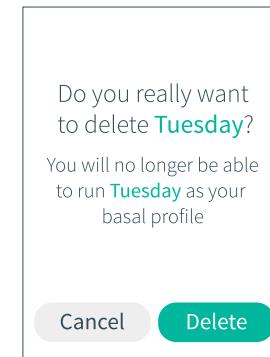


- STEP 3**  
On your list of saved basal profiles, scroll to and select the one that you don't need anymore.

You can't delete the basal profile that your pump is currently pumping, and so it won't appear on this list of saved basal profiles.

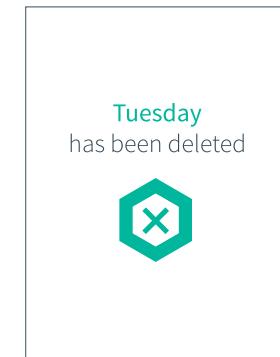
### WARNING

Deleting a basal profile is final! Once a profile has been deleted, you won't be able to get it back.



- STEP 4**  
Select **Delete**.
- STEP 5**  
A confirmation message will pop up – your profile has been deleted! Press Enter to return to the Home screen a little quicker.

**QUICK TIP**  
You can select **Cancel** and return to the Delete profile menu whenever you like. If you do, any changes you've made won't be saved and your basal profile won't be deleted.





## Temporary basal rates

Setting a temporary basal rate lets you increase or decrease your current basal profile by a specified percentage for a set period of time. This can be helpful if you decide to go for a run on the spur of the moment (*wow, you're impressive!*), or decide to skip your usual Friday spin class (*no worries - you're only human*).

Your Healthcare Provider can help with lots more advice on when to use a temporary basal rate.

## How do I set a temporary basal rate?

If you want to temporarily change the amount of insulin you're receiving, you'll need to set a temporary basal rate. Your temporary basal rate can last for as little as 30 minutes and as long as three hours!



BASAL
Set temporary basal rate
View current profile
Change profile
Create new profile
Edit profile
Delete profile
Home

### STEP 1

On the Home screen, scroll to **Basal** and press Enter to select.

### STEP 2

Press Enter again to select **Set temporary basal rate**.

### STEP 3

Start by using the up and down buttons to set the percentage of your current basal profile that you'd like to receive. You can choose a minimum of 10% right through to a maximum of 200%. Once you're happy with the percentage, press the Enter button.

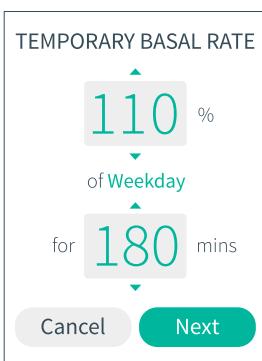
#### QUICK TIP

You can select **Cancel** and return to the Basal menu whenever you like. If you do, a temporary basal rate will not be set and your insulin delivery will stay the same.



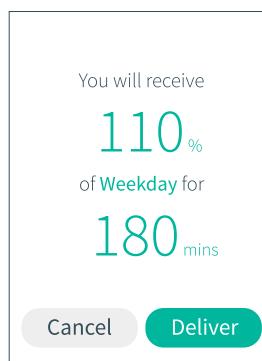
#### STEP 4

Next, use the up and down buttons to set the amount of time you'd like your temporary basal rate to run for. You can choose a minimum of 30 minutes right through to a maximum of 180 minutes. Once you're happy with the amount of time you've chosen, press the Enter button again.



#### STEP 5

Press the Enter button to select **Next**.  
If you've accidentally moved to **Next** too soon and you'd still like to change the details of your temporary basal rate, just press the up button to return to the percentage settings.



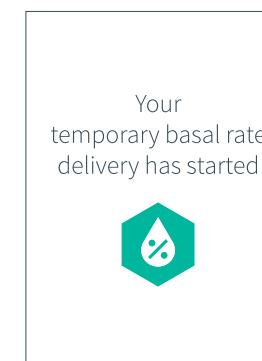
#### STEP 6

Your handset will now show you details of the temporary basal rate that you've asked to set. If the details are correct and you'd like to start your temporary basal rate immediately, press Enter to select **Deliver**.

If you've changed your mind or want to make any last minute adjustments, just scroll left and press Enter to select **Cancel**.

#### QUICK TIP

Just so you know - you can't switch to a different basal profile while you're running a temporary basal rate. When you are, you won't be able to access Change profile from the Basal menu and so you'll either need to stop your temporary basal rate first, or just wait until it's come to an end.



#### STEP 7

Your temporary basal rate will start as soon as you select **Deliver**.

A confirmation will pop up – press Enter to return to the Home screen a little quicker.

#### STEP 8

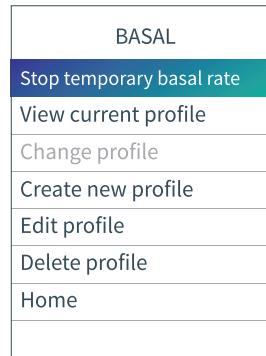
To help you keep track, the Basal section of the Home screen will show you your temporary basal rate details for as long as the temporary basal rate is running – pretty cool, right? This way, you'll always know where you're at.

# Can I stop a temporary basal rate once it's started?

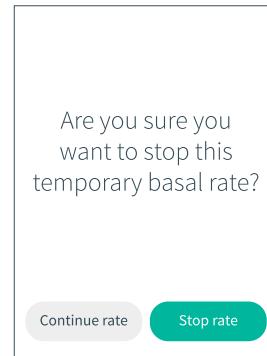
Yes, of course! Here's how:



**STEP 1**  
On the Home screen, scroll to **Basal** and press Enter to select.



**STEP 2**  
Press Enter again to select **Stop temporary basal rate**.

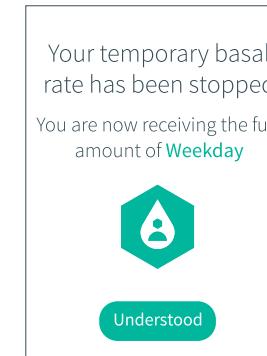


**STEP 3**  
Select **Stop rate** by pressing Enter.  
  
Alternatively, you can scroll left and press Enter to select Continue rate. Your temporary basal rate will continue to deliver just as it was doing before.

**QUICK TIP**  
A quick heads up! You can't switch to a different basal profile while you're running a temporary basal rate. When you are, you won't be able to access Change profile from the Basal menu and so you'll either need to stop your temporary basal rate first, or just wait until it's finished.

## WARNING

If you stop a temporary basal rate, it can only affect the delivery of insulin that you are due to receive from that moment on. It will NOT increase or decrease the amount of insulin that may have been delivered before your temporary basal rate was stopped.



**STEP 4**  
Your temporary basal rate will stop as soon as you select Stop rate and your pump will start delivering your full basal rate again. Your handset will confirm this for you – press Enter to select **Understood** and return to the Home screen.



**STEP 5**  
Your Home screen will update to show details of the basal rate that is now being delivered.

Bolus



## What's a bolus?

A bolus is a single dose of insulin. It's usually given when you eat, occasionally when you drink and sometimes to help reduce your blood glucose (or BG) level. You can choose the size of the bolus you give and exactly when you give it, so life can go on uninterrupted – no hassle!

To access all things bolus, just go to the Bolus section of your Home screen.

Honestly, we get it - if you're sitting down to enjoy a meal with family, or maybe you're out celebrating with some friends - the last thing you want to do is spend a long time giving yourself the insulin you need. We've made sure that giving a bolus is as quick and simple as it can possibly be, so you can get it sorted and carry on with the fun stuff!

You can give two different types of bolus using Kaleido:



**QUICK BOLUS**  
If you choose a Quick Bolus, your bolus will be delivered all at once.



**EXTENDED BOLUS**  
An Extended Bolus allows you to deliver part of your bolus right away, and then the rest of it over a period of time – the length of which you'll set yourself.

If you need some help, your Healthcare Provider will be able to advise you on when to use each of these two methods.

Fancy a bit more help working out how much insulin to bolus? Just use Kaleidoculator!



## What on earth is Kaleidoculator!?

Kaleidoculator is a bit of a boffin... Kaleido's very own calculator! Get your tongue around the name and you'll soon discover that Kaleidoculator exists to help take some of the guesswork out of delivering a bolus. Not sure what affect the food you're about to eat will have? Or just trying to figure out what will get you back to your Target BG? Fear not – Kaleidoculator is your man! Just fill in the numbers and it'll do the rest - who knows, it could be your new best friend when it comes to figuring out how much insulin to bolus!

Kaleidoculator uses a few important stats to put together its recommendation for your perfect bolus. It doesn't just factor in the meal you've grabbed on the go, but also your current BG reading *and* how much insulin you already have at work in your body. It knows the BG level you're aiming for (your Target BG) and it calculates the amount of insulin you'll need to bolus to get back to that level. *Clever, huh?*

Once you've got your recommendation, you can choose whether you want to deliver it as either a Quick Bolus or an Extended Bolus. And if you want to tweak Kaleidoculator's recommendation a little? No problem, you can do that too!

## How do I use Kaleidoculator?



BOLUS
Kaleidoculator
Quick Bolus
Extended Bolus
Home

### STEP 1

On the Home screen, scroll to **Bolus** and press Enter to select.

### STEP 2

Press Enter again to select **Kaleidoculator**.

### QUICK TIP

You'll only be able to access Kaleidoculator from the Bolus menu if you've already worked with your Healthcare Provider to set a Target BG, insulin activity time, insulin to carb and insulin to BG ratios (see *How do I enter my Target BG?*, *How do I enter my insulin activity time?*, *How do I enter my insulin to carb ratios?* and *How do I enter my insulin to BG ratios?*).



FOOD

0 3 0  
grams of carbohydrate

Cancel Next

FOOD

0 3 0  
grams of carbohydrate

Cancel Next

#### STEP 3

First, you'll need to enter the amount of grams of carbohydrate in the food that you're about to eat. Press the left and right buttons to scroll through the number boxes and press the up and down buttons to increase or decrease the number of carbs you have.

Once you've set the correct amount, press the Enter button.

Not eating, but still keen to use Kaleidoculator to help correct your BG? No problem, just leave the number boxes at zero and press the Enter button.

#### STEP 4

Press the Enter button again to select **Next**.

If you've accidentally moved to **Next** too soon and you still want to change the carb details, no worries! Just press the up button to the number boxes.

BG READING

1 0 . 0  
mmol/L

Cancel Next

BG READING

1 0 . 0  
mmol/L

Cancel Next

#### STEP 5

Next, you'll need to enter your current BG reading. Use your BG meter to take a reading, then, just like before, press the left and right buttons on your handset to scroll through the number boxes and the up and down buttons to increase and decrease the numbers. When you've entered your BG correctly, press the Enter button.

Don't want to enter a BG reading? That's fine – if you've told Kaleidoculator what you're eating but don't want to enter a BG reading, just leave the number boxes empty and press the Enter button.

#### STEP 6

Press the Enter button again to select **Next**.

If you've accidentally moved to **Next** too soon and you need to change the BG reading you've entered, just press the up button to return to the BG reading.

#### QUICK TIP

Once you select **Next**, the BG reading you've entered will be saved in History and will appear in the BG section of your Home screen. Cool, huh?

#### WARNING

Always check for ketones if your BG reading is excessively high. If ketones are present, treat according to the advice given to you by your Healthcare Provider.

#### QUICK TIP

If you need to change the unit of measurement for your BG readings, head to **System Settings** in the **Menu** section first (see *How do I change the unit of measurement / record my BG readings in?*).





CALCULATION	
	+ 5.00 U
	+ 2.35 U
	- 1.60 U
= 5.75 units	
<b>Cancel</b>	<b>Quick Bolus</b>
<b>Extended Bolus</b>	

#### STEP 7

Kaleidoculator will now show you details of its recommended bolus. You have three options to choose from:

- To deliver the recommendation as a **Quick Bolus**, just press Enter. Your handset will take you to the Quick Bolus entry screen, where your recommendation will be ready and waiting for you. Next, just follow along from Step 4 of *How do I deliver a Quick Bolus?* You can also change the recommendation a little first, using the up, down, left and right buttons to adjust the amount of insulin to be delivered.

- If you'd like to deliver the recommendation as an Extended Bolus instead, press the down button to select **Extended Bolus** and then press Enter to select it. This time, your handset will take you to the Extended Bolus entry screen and Kaleidoculator's recommendation will be set as the total bolus amount. Just follow along from Step 4 of *How do I deliver an Extended Bolus?* to set up and deliver your bolus. If you'd like to change the recommendation a little first, use the up, down, left and right buttons to adjust the total amount of insulin to be delivered.
- Alternatively, if you decide you don't want to deliver a bolus after all, just scroll left and press Enter to select **Cancel** and go back to the Bolus menu instead.

#### QUICK TIP

You can select **Cancel** and return to the Bolus menu whenever you like. If you do, Kaleidoculator will just save its brainpower for the next time!

#### QUICK TIP

Kaleidoculator's calculation might not always result in a positive number for the number of units of insulin in its recommended bolus. See *What happens if Kaleidoculator's recommended bolus is a negative number?* to find out what to do if it recommends a negative number.

#### QUICK TIP

To use Kaleidoculator, you'll need to make sure your handset knows your Target BG, your personal insulin activity time and your insulin to carb and insulin to BG ratios – these are all part of your Personal Info (see *How do I enter my Target BG?*, *How do I enter my insulin to carb ratios?*, *How do I enter my insulin to BG ratios?* and *How do I enter my insulin activity time?*). You must always work with your Healthcare Provider to determine and set these amounts.

#### WARNING

Never attempt to change your personal Target BG, insulin activity time, insulin to carb and insulin to BG ratios without the guidance and support of your Healthcare Provider.

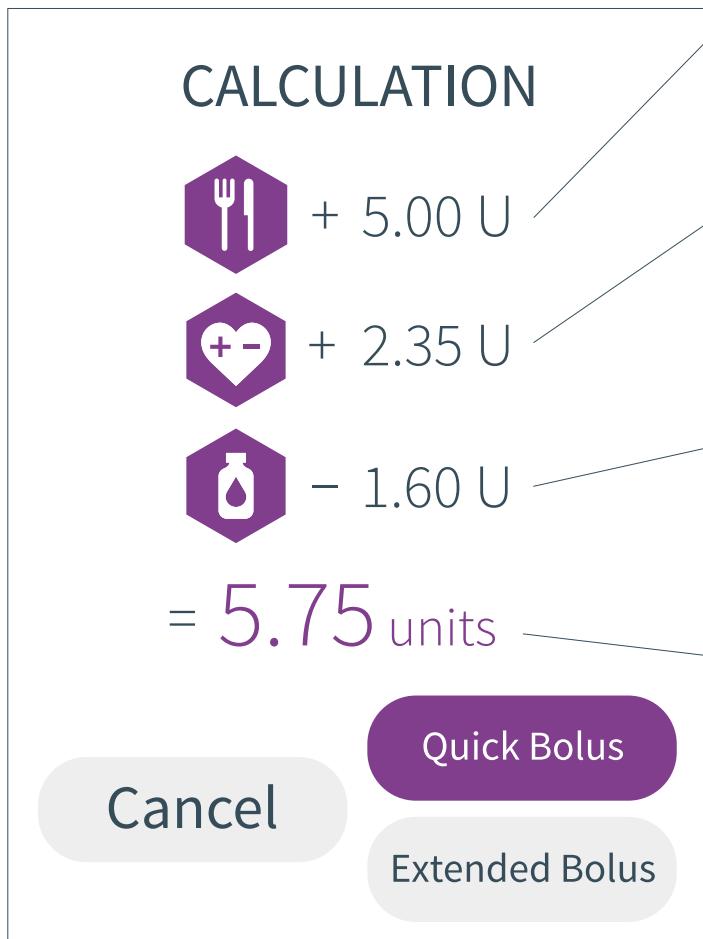
#### WARNING

Kaleido can only calculate Insulin on Board based on the insulin which it knows it has delivered – it cannot track insulin delivered via any other method (such as insulin pens). If you have recently used an alternative method of insulin delivery and then attempt to use either Kaleidoculator or Insulin on Board to assist your diabetes management, you must bear this important fact in mind.

# What do the numbers that make up Kaleidoculator's calculation mean?

Well, we're glad you asked! Yes, Kaleidoculator will do the hard work for you, so you don't have to think about the numbers running in the background, but knowing what they mean may just help you make choices that make you happier.

So, without further ado...



## FOOD

This bit here is your Food number. Using the number of grams of carbohydrate that you've just entered, plus the insulin to carb ratios that you've already set with your Healthcare Provider, Kaleidoculator calculates the amount of insulin you'll need to balance out the carbs you're about to eat and keep your BG level where it is.

So, if you're at 10 mmol/L, it'll calculate the insulin you'll need to keep you at 10 mmol/L. If you're at 4 mmol/L, it'll (*you guessed it!*) calculate how much you'll need to stay at 4 mmol/L. So, if you're eating something, your Food number will always be positive. If you're not eating, this number will be zero.

## BG

With the insulin in your Food number only working to keep your BG level balanced, if your starting BG is already a bit too high, you may need to deliver extra insulin to bring it back to your Target BG. Just like for Food, Kaleidoculator uses the BG reading you've just entered, plus the insulin to BG ratios you've set with your Healthcare Provider, to calculate your BG number. This is the amount of insulin Kaleidoculator thinks you'll need to take your BG level to the Target BG reading that you've pre-set.

So, if your Target BG is 6.0 mmol/L and your current BG reading is 10.0 mmol/L, your BG number will be positive, because you'll need some extra insulin to lower it to your target. But, if your current BG reading is 4 mmol/L, the number will be negative, because you'll need less insulin, not more, to raise your BG back to your Target BG of 6.0 mmol/L. And, if you choose not to enter a BG reading at all, your BG number will be zero.

## INSULIN ON BOARD

Last up, your Insulin on Board number. Kaleidoculator uses the insulin activity time you've set with your Healthcare Provider, plus its in depth knowledge of all the boluses you've previously delivered, to work out what adjustment needs to be made to its recommendation to account for the insulin that might already be at work in your body.

So, if you already have 2 units of active insulin on board when you're using Kaleidoculator, your Insulin on Board number will be -2 units. In fact, if you ever have any active insulin on board, your Insulin on Board number will be negative. If you don't have any active insulin on board, the number will be zero. You can find out more about Insulin on Board by looking up *How do I check my Insulin on Board?*

## KALEIDOCULATOR'S RECOMMENDED BOLUS

For its final trick, Kaleidoculator takes your Food, BG and Insulin on Board numbers and puts them all together to give you its recommended bolus amount.

In the example here, you can see that a Food number of + 5.00 units, a BG number of + 2.35 units and an Insulin on Board number of - 1.60 units total up to a recommended bolus of 5.75 units ( $5.00 + 2.35 - 1.60 = 5.75$ ). And *that's* why we think Kaleidoculator is pretty handy!

# What happens if Kaleidoculator's recommended bolus is a negative number?

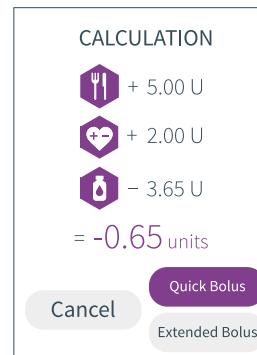
Depending on the time of day and the combination of what you're eating, how far away from your Target BG you are and how much active insulin on board you already have, Kaleidoculator's recommended boluses will be different every time you use Kaleidoculator.

Sometimes, Kaleidoculator may even come up with a negative amount of insulin as its recommended bolus for you – say, if you're not eating (or not eating very much carbohydrate) and if your BG is already below your Target BG. In that instance, you don't need *more* insulin, you actually need less!

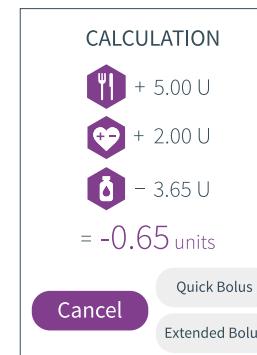
But, just like you can't take out any insulin you've already delivered, you can't give a negative bolus! So, here's what will happen if you receive a negative number as your recommended bolus.

## QUICK TIP

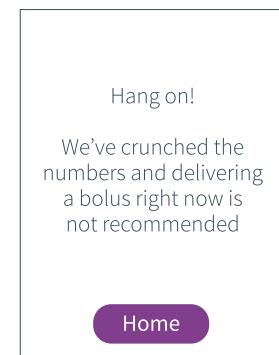
If you don't agree with Kaleidoculator's recommendation and would still like to deliver a bolus, you can do this by selecting either Quick Bolus or Extended Bolus from the Bolus menu instead.



**STEP 1**  
Having followed steps 1 to 6 of *How do I use Kaleidoculator?*, you'll arrive at Kaleidoculator's recommended bolus calculation. This time though, you'll see that the bolus recommendation is a negative number.



**STEP 2**  
The simplest thing to do if you spot a negative number as your recommended bolus is just to scroll left to Cancel and press Enter to select **Cancel** and go back to the Bolus menu.

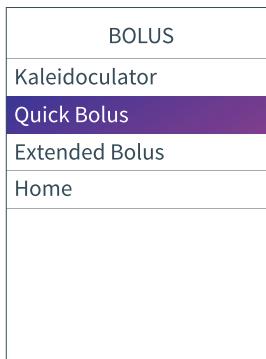


**STEP 3**  
If you don't spot that the recommended bolus is a negative number though, don't worry, your handset will help you out! If you select either Quick Bolus or Extended Bolus when your recommended bolus is a negative number, your handset will pop up with a quick reminder to tell you that giving a bolus isn't the best thing to do at this time. Press Enter to select **Home** and return to the Home screen.

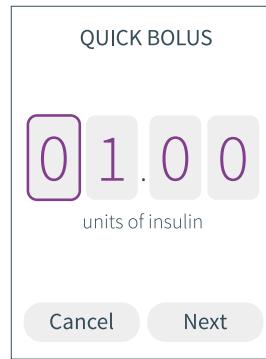
# How do I deliver a Quick Bolus?



**STEP 1**  
On the Home screen, scroll to **Bolus** and press Enter to select.



**STEP 2**  
Scroll to and select **Quick Bolus**.



**STEP 3**  
First, you'll need to set the amount of insulin that you'd like to deliver in your Quick Bolus. Press the left and right buttons to scroll through the number boxes and press the up and down buttons to increase or decrease the amount of insulin you want to deliver. Once you've set the correct amount, press the Enter button.

**QUICK TIP**  
The bolus amount will automatically default to 01.00 unit.

## QUICK TIP

The smallest bolus you can set is 0.05 units. The largest is 20 units.

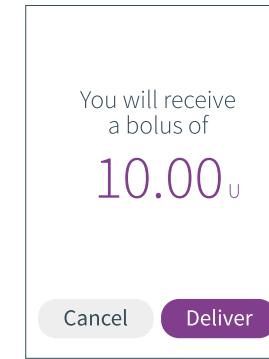
## QUICK TIP

You can select **Cancel** and return to the Bolus menu whenever you like. If you do, a Quick Bolus won't be set and your insulin delivery will remain unchanged.



**STEP 4**  
Press the Enter button to select **Next**.

If you've accidentally moved to Next too soon and you still want to change the details of your Quick Bolus, no worries! Just press the up button to return to the insulin boxes.

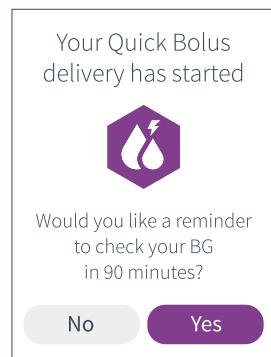


**STEP 5**  
Your handset will now show you details of the Quick Bolus you'd like to give. If the details are correct and you want to start your Quick Bolus, just press Enter to select **Deliver**.

If you've changed your mind or want to make a last minute adjustment, just scroll left and press Enter to select **Cancel**.

### QUICK TIP

If you choose to set a reminder to check your BG 90 minutes after your bolus has been started the reminder will pop up on your handset screen and your handset will sound a reminder tone. Once you've read and understood the reminder, just press the Enter button.



#### STEP 6

Your Quick Bolus will start as soon as you select Deliver. Your handset will confirm this for you, and it'll also ask if you'd like to set a reminder to check your BG level in 90 minutes time - just press Enter to select Yes. If you don't want to set a reminder, you can scroll left and then press Enter to select No instead.



#### STEP 7

To help you keep track, the Bolus section on your Home screen will show your Quick Bolus delivery counting down (just make sure your handset is in range). Once you've received all of your Quick Bolus, the Bolus section will update to show you the details of the last bolus given - that's exactly how much insulin you received and when you received it.

## How do I deliver an Extended Bolus?



#### STEP 1

On the Home screen, scroll to **Bolus** and press Enter to select.

BOLUS
Kaleidoculator
Quick Bolus
<b>Extended Bolus</b>
Home

#### STEP 2

This time, scroll to and select **Extended Bolus**.

#### QUICK TIP

The total amount of insulin you give in an Extended Bolus cannot be higher than 20 units. The minimum amount of bolus that you can deliver immediately is 0.05 units, and the maximum is 19.95 units.

EXTENDED BOLUS  
Total bolus:  
**1 0 . 0 0** U  
Immediately deliver:  
**0 0 . 0 0** U  
Cancel Next

EXTENDED BOLUS  
Total bolus:  
**1 0 . 0 0** U  
Immediately deliver:  
**0 5 . 0 0** U  
Cancel Next

#### STEP 3

On the Extended Bolus screen, set the total amount of insulin you'd like to deliver using the left and right buttons to scroll through the number boxes. Press the up and down buttons to increase or decrease the amount of insulin. Once you're happy that you've set the correct amount, press the Enter button.

#### QUICK TIP

The Total bolus amount will automatically default to 01.00 unit.

#### QUICK TIP

Based on the total bolus and the amount of insulin you have chosen to deliver immediately, your Kaleido handset will calculate how much of your bolus will be delivered over the time period you've chosen.

EXTENDED BOLUS  
Total bolus:  
**1 0 . 0 0** U  
Immediately deliver:  
**0 5 . 0 0** U  
Cancel **Next**

EXTENDED BOLUS  
Remaining bolus:  
**5.00** U  
over  
**90** mins  
Cancel Next

#### STEP 5

Press the Enter button to select Next.

If you've accidentally moved to Next too soon and you still want to change the details of your Extended Bolus, no worries! Just press the up button to return to the Total bolus boxes.

#### STEP 6

Finally, choose the amount of time you'd like to extend the second part of your bolus for. Use the up and down buttons to increase or decrease the time period – you can extend delivery over as little as 30 minutes or as long as 180 minutes (or, three hours!). When you're happy with the time you've set, press the Enter button.

#### QUICK TIP

You can select **Cancel** and return to the Bolus menu whenever you like. If you do, an Extended Bolus won't be set and your insulin delivery will remain unchanged.



#### STEP 7

Press the Enter button again to select **Next**.

Alternatively, if you've moved to **Next** too soon, just press the up button to return to the time selection box or, if you've changed your mind, you can scroll left and press Enter to select **Cancel** and go back to the previous screen.

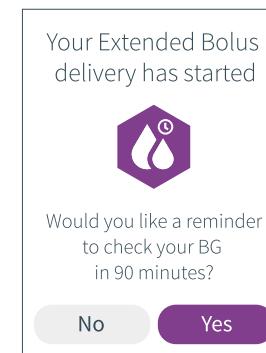


#### STEP 8

Your handset will now show you details of the Extended Bolus you would like to give. If the details are correct and you want to start your Extended Bolus, press Enter to select **Deliver**. If you've changed your mind or want to make any last minute adjustments, just scroll left and press Enter to select **Cancel**.

#### QUICK TIP

If you choose to set a reminder to check your BG 90 minutes after your bolus has been started, the reminder will pop up on your handset screen and your handset will sound a reminder tone. Once you've read and understood the reminder, just press the Enter button.



#### STEP 9

Your Extended Bolus will start as soon as you select **Deliver**. Your handset will confirm this for you, and it'll also ask if you'd like to set a reminder to check your BG level in 90 minutes time - just press Enter to select **Yes**. If you don't want to set a reminder, just scroll left and press Enter to select **No** instead.



#### STEP 10

To help you keep track, the Bolus section of your Home screen will show you your Extended Bolus delivery counting down (you just need to make sure your handset is in range). Once you've received all of your Extended Bolus, the Bolus section will update to show you the details of the last bolus given – that's how much insulin you received and when you received it.

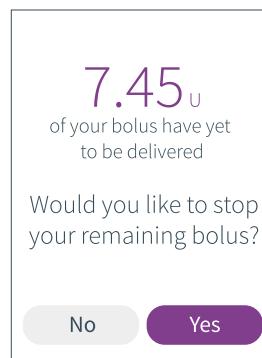
## Can I stop a bolus if I change my mind?

Of course. We'd always recommend making sure your bolus details are spot on before you choose to deliver, but we know that sometimes things can change quickly. If you need to stop a Quick or Extended Bolus, just follow these steps:



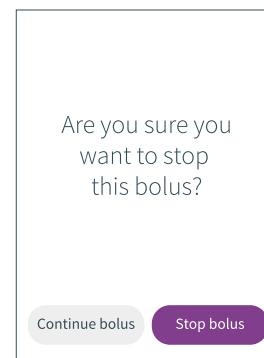
### STEP 1

On the Home screen, scroll to and select **Bolus**.



### STEP 2

Your handset will show you a countdown of how much of your bolus is yet to be delivered. To stop the remaining bolus, press Enter to select **Yes**.



### STEP 3

You will be asked to confirm that you'd like to stop your bolus. To do this, press Enter to select **Stop bolus**.

Alternatively, you can scroll left and press Enter to Continue bolus. Your bolus delivery will continue unaffected.

### WARNING

Stopping a bolus will only stop the delivery of any remaining insulin from the bolus you set. It will NOT remove any insulin that may already have been delivered to your body before the bolus was stopped.



### STEP 4

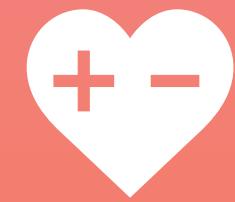
Your bolus delivery will stop as soon as you select Stop bolus and your handset will confirm this for you – press Enter to select **Understood** and return to the Home screen.



### STEP 5

Your Home screen will update and show you details of the amount of bolus (if any) that was delivered before your bolus was stopped.

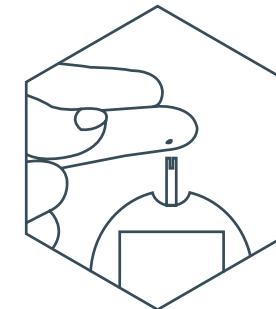
# Blood Glucose



## Blood Glucose

Ok, so inputting your blood glucose readings into your Kaleido handset might not *directly* affect your insulin delivery, but we think it's still definitely worth doing. With these extra details in the same place as your basal and bolus information, you could make better decisions more quickly, saving you precious time later on. Plus, it's really simple to do – so why not give it a whirl?

### How do I enter a BG reading?



#### STEP 1

Use your BG meter to take a BG reading.

#### QUICK TIP

Speak to your Healthcare Provider to find out how to get a BG meter that works for you. They'll also be able to give you tips on how to get the most from it.

#### STEP 2

On the Home screen, scroll to **BG** and press Enter to select.

#### QUICK TIP

If you need to change the unit of measurement for your BG readings, head to System Settings in the Menu section first (see *How do I change the unit of measurement I record my BG readings in?*).

### QUICK TIP

You can select **Cancel** and return to the Home screen whenever you like. If you do, your BG reading won't be saved on your handset.

BG READING  
0 6 . 0  
mmol/L  
Cancel Save

BG READING  
0 7 . 0  
mmol/L  
Cancel Save

### STEP 3

If you have saved a Target BG in Personal Info, the BG reading will automatically default to your Target BG when you start to enter it.

If you're not quite on target (*let's face it, it doesn't always work out that way!*), enter your latest BG reading by using the left and right buttons to scroll through the number boxes and the up and down buttons to increase and decrease the numbers.

### STEP 4

When you've entered your BG correctly, press the Enter button. Press the Enter button again to select **Save**.

If you've accidentally moved to Save too soon and you need to change the BG reading you've entered, just press the up button to return to the BG reading.

### WARNING

Always check for ketones if your BG reading is excessively high. If ketones are present, treat according to the advice given to you by your Healthcare Provider.



### STEP 5

A confirmation message will appear – your BG reading has been saved. Press Enter to select **Understood** and return to the Home screen.

### STEP 6

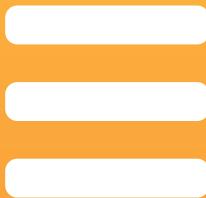
Congrats - your BG reading will now appear in the BG section of your Home screen.

The background of the slide features a dynamic, abstract design composed of overlapping geometric shapes. It consists of several large, irregular polygons filled with a gradient of orange and yellow. The shapes overlap in various ways, creating a sense of depth and movement across the frame.

Menu

## Menu

The Menu section of your Home screen will take you to your Insulin on Board, History, Personal Info and System Settings.



## Insulin on Board

Insulin can be a tricky old thing to figure out – no sooner do you get your head around your basal profiles and how many units should be in your breakfast Quick Bolus, then someone asks if you've thought about your Insulin on Board. *Sheesh!*

But, Insulin on Board is really pretty useful. Why? Well, when you deliver a bolus, the insulin that you deliver can take a little while to get going – in fact, insulin can still be having an effect on your BG levels for quite a few hours after you've delivered it! Just because it's been a while since you delivered your lunchtime bolus, it doesn't mean that all that insulin will have been used up. In fact, some of your last bolus might not even have started working yet and your BG levels could still be on the way down. So, if you're about to bolus for your mid-afternoon pick-me-up, bolusing without factoring in the insulin that's already active in your body may mean you actually deliver more insulin than you really need, which could cause your BG to get a bit *too* low.

And, anything that can help avoid *that* particular rollercoaster has got to be a good thing, right?

## How do I check my Insulin on Board?

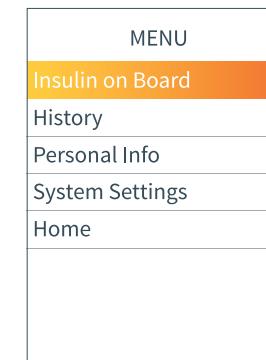
So, how does it work? Well, Kaleido remembers all of the boluses that you've delivered and, based on the amount of time you've said insulin stays active in your body (the insulin activity time that you can set with the help of your Healthcare Provider – see *How do I enter my insulin activity time?*), it's able to calculate exactly how much insulin is still active in your body at any given time. You can check this figure whenever you want... and it'll also be used whenever you use Kaleidoculator to figure out a bolus.

### WARNING

Kaleido can only calculate Insulin on Board based on the insulin which it knows it has delivered – it cannot track insulin delivered via any other method (such as insulin pens). If you have recently used an alternative method of insulin delivery and then attempt to use either Insulin on Board or Kaleidoculator to assist your diabetes management, you must bear this important fact in mind.

### QUICK TIP

Kaleido works out your Insulin on Board using the insulin activity time that you've set in Personal Info. So, if you haven't set an insulin activity time, you won't be able to access Insulin on Board from the Menu menu. Setting an insulin activity time is easy, but must always be done with the guidance and support of your Healthcare Provider – to find out more, see *How do I enter my insulin activity time?*



### STEP 1

On the Home screen, scroll to **Menu** and press Enter to select.

### STEP 2

Press Enter again to select **Insulin on Board**.

### STEP 3

Your handset will now show you your Insulin on Board. You can review the number for as long as you like – when you're done, just press Enter to select **Back** and return to the Menu menu.

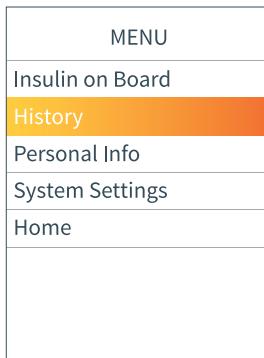
# History

We know that life gets busy and, sometimes, keeping track of what happened and when can be hard. That's where your Kaleido History will come in handy. Here, you'll find a record of everything that's happened over the last week of using your pump.

## How do I review my History?



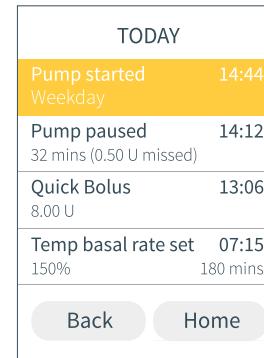
**STEP 1**  
On the Home screen, scroll to **Menu** and press Enter to select.



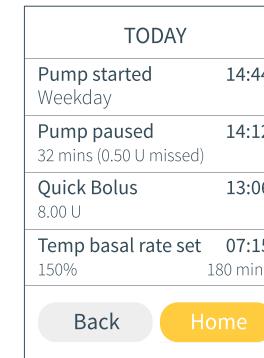
**STEP 2**  
Scroll to and select **History**.



**STEP 3**  
Scroll to the day you'd like to review and then press Enter to select it.



**STEP 4**  
Use the up and down buttons to read through everything that happened on that day.



**STEP 5**  
When you're done, just scroll down to get to the **Home** button. Press Enter to select it and you'll be whizzed back to the Home screen. Alternatively, from Home, scroll left to Back and press Enter to return to the History menu.

**QUICK TIP**  
You can review the current day, plus the previous 7 days of pump activity.

**QUICK TIP**  
Here's a trick! You can also quickly jump to the Home screen by pressing Enter twice from anywhere on the list of events.

### QUICK TIP

History will record when a pump is changed, started, paused, stopped or disconnected. It also takes note of any temporary basal rates that are set, as well as any recommendations that Kaleidoculator makes and any Quick and Extended Boluses that are delivered. It can also show you when you changed your insulin cartridge, primed a cannula, swapped your basal profile, saved a BG reading, changed the date or time or updated your Personal Info or System Settings, plus any alarms or alerts that you might have received. *It's a big job, but someone's gotta do it!*

# Personal Info

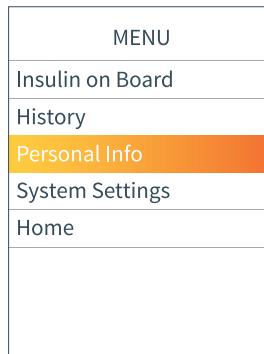
To make getting to know Kaleido as smooth a process as possible, we'll personalise your handset with as much information as we can before we even deliver it to you (we pride ourselves on our top knotch service and knowing a little bit about you helps us on this front). In case you ever want to add to or change any of these important details though, or if you want to enter the details that will allow you to start using Kaleidoculator, this section will talk you through everything you need to know about Personal Info.

## How do I review my Personal Info?



### STEP 1

On the Home screen, scroll to **Menu** and press Enter to select.



### STEP 2

Scroll to and select **Personal Info**.

PERSONAL INFO	
Name:	
Age:	
Gender:	
Height:	
Weight:	
Target BG:	
Insulin:	

Back

Home

PERSONAL INFO	
Name:	
Age:	
Gender:	
Height:	
Weight:	
Target BG:	
Insulin:	

Back

Home

### STEP 3

On the Personal Info menu, use the up and down buttons to read through all of your saved details.

### STEP 4

When you've finished, scroll all the way down to **Home**. Press Enter to select it and you'll be whizzed back to the Home screen. Alternatively, from Home, scroll left to Back and press Enter to go back to Menu.

## How do I enter my name?

PERSONAL INFO	
Name:	
Age:	
Gender:	
Height:	
Weight:	
Target BG:	
Insulin:	

Back Home

NAME

Please enter your name:

A b i

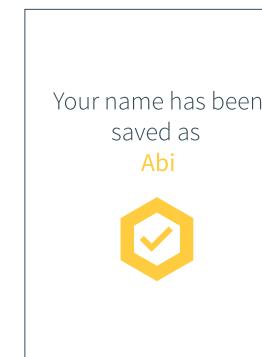
Cancel Save

NAME

Please enter your name:

A b i

Cancel Save



PERSONAL INFO	
Name:	Abi
Age:	
Gender:	
Height:	
Weight:	
Target BG:	
Insulin:	

Back Home

### STEP 1

*Now this is important – how else will we know what to call you?!* On the Personal Info menu, simply scroll to **Name** and press Enter to select.

### STEP 2

Enter your name using the up and down buttons to scroll through the alphabet. The right button will help you move on to the next letter or add a space. When you're done press Enter.

### STEP 3

When you're ready to save your name, press Enter again to select **Save**.

If you've accidentally moved to Save too soon and you need to change the name you've entered, no worries! Just press the up button to return to the first letter box.

### STEP 4

A confirmation message will pop up – your name has been saved. Press Enter to return to the Personal Info menu a little quicker.

### STEP 5

Congrats - your name will now show up in the Personal Info menu!

### QUICK TIP

You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

## How do I enter my age?

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	
Height:	
Weight:	
Target BG:	
Insulin:	
Back	Home

AGE

Please enter your date of birth:

0 Day . Month . Year

Cancel Save

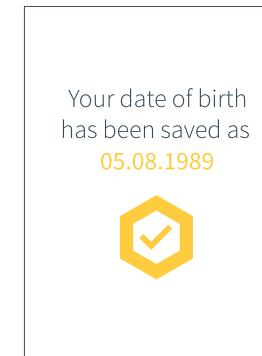
AGE

Please enter your date of birth:

0 5 0 8 1 9 8 9

Day Month Year

Cancel Save



PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	
Height:	
Weight:	
Target BG:	
Insulin:	
Back	Home

### STEP 1

On the Personal Info menu, scroll to **Age** and press Enter to select.

### STEP 2

Enter your date of birth using the up and down buttons to scroll through the numbers 0 to 9. Use the right button to move on to the next number. Once you've successfully entered the day you made it into the world (*what a day that was!*), press Enter.

### STEP 3

When you're ready to save your date of birth, press Enter again to select **Save**.

If you've accidentally moved to Save too soon and you need to change the date of birth you've entered, no worries! Just press the up button to return to the first number box.

### STEP 4

A confirmation message will appear – your date of birth has been saved. Press Enter to return to the Personal Info menu a little quicker.

### STEP 5

Congrats – your handset will now use your date of birth to display your age in the Personal Info menu! If the age that shows is incorrect, check your handset's date settings (see *How do I change the date on my handset?*).

### QUICK TIP

You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

## How do I enter my gender?

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	<b>Female</b>
Height:	
Weight:	
Target BG:	
Insulin:	

**Back** **Home**

**GENDER**

Please select your gender:

Female

**Cancel** **Save**

**GENDER**

Please select your gender:

Female

**Cancel** **Save**

Your gender has been saved as **Female**



**Back** **Home**

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	<b>Female</b>
Height:	
Weight:	
Target BG:	
Insulin:	

**Back** **Home**

### STEP 1

On the Personal Info menu, scroll to **Gender** and press Enter to select.

### STEP 2

Use the up and down buttons to select your gender, then press the Enter button.

### STEP 3

Press the Enter button again to select **Save**.

If you've accidentally moved to Save too soon and you need to change the gender you've entered, no worries! Just press the up button to return to the selection box.

### STEP 4

A confirmation message will pop up – your gender has been saved. Press Enter to return to the Personal Info menu a little quicker.

### STEP 5

Congrats – your gender will now show up in the Personal Info menu!

### QUICK TIP

You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

## How do I enter my height?

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	Female
Height:	
Weight:	
Target BG:	
Insulin:	
<a href="#">Back</a>	<a href="#">Home</a>

**HEIGHT**

Please select your unit of measurement:  
**ft & in**

Next, please enter your height:  
ft in

[Cancel](#) [Save](#)

**HEIGHT**

Please select your unit of measurement:  
**ft & in**

Next, please enter your height:  
**5 ft 0 6 in**

[Cancel](#) [Save](#)

**HEIGHT**

Please select your unit of measurement:  
**ft & in**

Next, please enter your height:  
**5 ft 0 6 in**

[Cancel](#) [Save](#)

Your height has been saved as  
**5 ft 6 in**



[Back](#) [Home](#)

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	Female
Height:	<b>5 ft 6 in</b>
Weight:	
Target BG:	
Insulin:	
<a href="#">Back</a>	<a href="#">Home</a>

### STEP 1

On the Personal Info menu, scroll to **Height** and press Enter to select.

### STEP 2

Use the up and down buttons to select either **cm** or **ft & in**, then press the Enter button.

### STEP 3

Next, enter your height using the up and down buttons to scroll through the numbers 0 to 9. The right button will help you move on to the next number.

When you've successfully entered your height, press Enter.

### STEP 4

When you're ready, press Enter again to select **Save**.

If you've accidentally moved to Save too soon and you need to change the height you've entered, no worries! Just press the up button to go back to the unit of measurement selection box.

### STEP 5

A confirmation message will pop up – your height has been saved. Press Enter to return to the Personal Info menu a little quicker.

### QUICK TIP

You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

## How do I enter my weight?

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	Female
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	
Insulin:	
Back	Home

**WEIGHT**

Please select your unit of measurement:  
**st & lbs**

Next, please enter your weight:  
0 st 07 lbs

Cancel Save

**WEIGHT**

Please select your unit of measurement:  
**st & lbs**

Next, please enter your weight:  
**0** st 07 lbs

Cancel Save

**WEIGHT**

Please select your unit of measurement:  
**st & lbs**

Next, please enter your weight:  
**0 9** st **0 7** lbs

Cancel Save

Your weight has been saved as  
**9 st 7 lbs**



Back Home

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	Female
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	
Insulin:	
Back	Home

### STEP 1

On the Personal Info menu, scroll to **Weight** and press Enter to select.

### STEP 2

Use the up and down buttons to select either **st & lbs**, **lbs** or **kg**, then press the Enter button.

### STEP 3

Next, enter your weight using the up and down buttons to scroll through the numbers 0 to 9. The right button will help you move on to the next number.

When you've successfully entered your weight, press Enter.

### STEP 4

When you're ready, press Enter again to select **Save**.

If you've accidentally moved to Save too soon and you need to change the weight you've entered, no worries! Just press the up button to go back to the unit of measurement selection box.

### STEP 5

A confirmation message will pop up – your weight has been saved. Press Enter to return to the Personal Info menu a little quicker.

### QUICK TIP

You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

## How do I enter my Target BG?

### QUICK TIP

Target BG is an important Kaleidoculator setting! To find out more about Kaleidoculator, why not take a look at *How do I use Kaleidoculator?*

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	Female
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	
Insulin:	
Back	Home

TARGET BG

Please enter your Target BG:

0 0 . 0

mmol/L

Cancel Save

TARGET BG

Please enter your Target BG:

0 6 . 0

mmol/L

Cancel Save

**STEP 1**  
On the Personal Info menu, scroll to **Target BG** and press Enter to select.

**STEP 2**  
Enter your Target BG using the up and down buttons to scroll through the numbers 0 to 9. Use the right button to move on to the next number.  
  
Once you've successfully entered your Target BG, press Enter.

**STEP 3**  
When you're ready, press Enter again to select **Save**.  
  
If you've accidentally moved to Save too soon and you need to change the Target BG you've entered, no worries! Just press the up button to go back to the first number box.

**QUICK TIP**  
You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

### QUICK TIP

Entering a Target BG can help to keep you focused when life gets busy. We suggest you have a chat to your Healthcare Provider to decide what your Target BG should be before you enter it into your Kaleido handset.

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	Female
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	
Back	Home

Your Target BG has been saved as 6.0 mmol/L

✓

**STEP 4**  
A confirmation message will pop up – your Target BG has been saved. Press Enter to return to the Personal Info menu a little quicker.

**STEP 5**  
Congrats - your Target BG will now be displayed in the Personal Info menu!

**QUICK TIP**  
Need to change the unit of measurement you're using? You can do that in your System Settings - see *How do I change the unit of measurement / record my BG readings in?*

## How do I enter the type of insulin I use?

PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	Female
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	<b>NovoRapid</b>
Back	Home

INSULIN

Please select the type of insulin you use:

**NovoRapid**

Cancel Save

INSULIN

Please select the type of insulin you use:

**Humalog**

Cancel Save

**STEP 1**  
On the Personal Info menu, scroll to **Insulin** and press Enter to select.

**STEP 2**  
Use the up and down buttons to select the insulin that you use, then press the Enter button.

**STEP 3**  
Press the Enter button again to select **Save**.  
  
If you've accidentally moved to **Save** too soon and you need to change the type of insulin you've selected, no worries! Just press the up button to go back to the selection box.

### QUICK TIP

You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

### QUICK TIP

The insulin you use in your Kaleido pump must be provided by your Healthcare Provider. They'll also be able to guide you on which insulin will be right for you. You can only use U100 insulin in your Kaleido pump.

The insulin you use has been saved as **Humalog**



PERSONAL INFO	
Name:	Abi
Age:	25
Gender:	Female
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	<b>Humalog</b>
Back	Home

**STEP 4**  
A confirmation message will pop up – the type of insulin that you use has been saved. Press Enter to return to the Personal Info menu a little quicker.

**STEP 5**  
Congrats - the insulin you use will now be displayed in the Personal Info menu!

## What are insulin to carb ratios?

Insulin to carb ratios describe exactly how powerful each unit of insulin is over the carbohydrates that you eat. Put simply, it tells you how many grams of carbohydrate 1 unit of insulin will cover (or balance out). So, if you have an insulin to carb ratio of 10 grams/U, it means your body needs 1 unit of insulin to balance out every 10g of carbs that you eat. That means you'd need 7 units of insulin to balance out a meal containing 70g of carbs, keeping your BG level from increasing.

And – just to keep things interesting! – not only are insulin to carb ratios really individual, but most people will also have a different insulin to carb ratio depending on what time of day it is. Kaleido therefore allows you to save three different insulin to carb ratios – one for the morning (00:01-11:00), one for the middle of the day (11:01-17:00) and one for the evening (17:01-00:00). So now you know!

### QUICK TIP

You might have already guessed, but if your BG level is already higher than your Target BG, you might not be satisfied by just balancing out the carbs you're eating – you might want to bring your BG back down to target too. That's where Kaleidoculator can help to make sense of insulin to carb and insulin to BG ratios! Take a look at *How do I use Kaleidoculator?* to find out more.

## How do I enter my insulin to carb ratios?

PERSONAL INFO	
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	Humalog
Insulin to carb:	<b>8</b>
Insulin to BG:	
Insulin activity:	

Back      Home

INSULIN TO CARB	
00:01 to 11:00	<b>0 8</b> grams/U
11:01 to 17:00	<b>1 0</b> grams/U
17:01 to 00:00	<b>1 0</b> grams/U

Cancel      Save

INSULIN TO CARB	
00:01 to 11:00	<b>0 8</b> grams/U
11:01 to 17:00	<b>1 0</b> grams/U
17:01 to 00:00	<b>1 0</b> grams/U

Cancel      Save

### STEP 1

On the Personal Info menu, scroll to **Insulin to carb** and press Enter to select.

### WARNING

Your insulin to carb ratios must always be set and amended with the help of your Healthcare Provider. Never attempt to change your insulin to carb ratios without the guidance and support of your Healthcare Provider.

### STEP 2

To start, first enter the number of grams of carbohydrate in your insulin to carb ratio for 00:01 to 11:00 each day. Do this by using the up and down buttons to scroll through the numbers 0 to 9 and the right button to move to the next number. Happy with the number you've entered? Press Enter.

### STEP 3

Next, enter the number of grams of carbohydrate in your insulin to carb ratio for 11:01 to 17:00. Again, use the up and down buttons to scroll through the numbers 0 to 9 and the right button to move to the next number. Happy with the number you've entered? Press Enter.

### QUICK TIP

You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

INSULIN TO CARB

00:01 to 11:00	0 8	grams/U
11:01 to 17:00	1 0	grams/U
17:01 to 00:00	1 2	grams/U

Cancel Save

INSULIN TO CARB

00:01 to 11:00	0 8	grams/U
11:01 to 17:00	1 0	grams/U
17:01 to 00:00	1 2	grams/U

Cancel Save

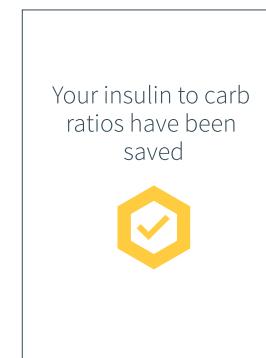
### STEP 4

Finally, enter your insulin to carb ratio for 17:01 to 00:00. Just like before, use the up and down buttons to scroll through the numbers 0 to 9 and the right button to move to the next number. When you've successfully entered this final ratio, press the Enter button again.

### STEP 5

When you're ready to save your three insulin to carb ratios, press Enter again to select **Save**.

If you've accidentally moved to **Save** too soon and you need to change any of the ratios you've entered, no worries! Just press the up button to return to the first number box for the 00:01 to 11:00 ratio and go from there.



PERSONAL INFO	
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	Humalog
Insulin to carb:	10 grams/U
Insulin to BG:	
Insulin activity:	

Back Home

### STEP 6

A confirmation message will appear – your insulin to carb ratios have been saved. Press Enter to return to the Personal Info menu a little quicker.

### STEP 7

Congrats - your insulin to carb ratios will now show up in the Personal Info menu! Your handset will always display your current insulin to carb ratio.

## What are insulin to BG ratios?

Insulin to BG ratios tell you exactly how much of an effect 1 unit of insulin will have on your BG level. For example, an insulin to BG ratio of 2 mmol/L/U, means that every unit of insulin that you deliver lowers your BG by 2 mmol/L – so, if your BG is at 10 mmol/L and you want to get back to your Target BG of 6 mmol/L, you'd need to lower your BG by 4 mmol/L, which would take 2 units of insulin. *Annnnnnd, relax...*

Just to keep you on your toes, insulin to BG ratios are different for everyone and can even change depending on the time of day. So, Kaleido lets you save three different insulin to BG ratios – one for the morning (00:01-11:00), one for the middle of the day (11:01-17:00) and one for the evening (17:01-00:00).

### QUICK TIP

If you're also having something to eat, any insulin you deliver will act to balance out the carbs you're eating first, rather than lowering a BG level that's too high. That's where Kaleidoculator can help make sense of insulin to BG and insulin to carb ratios! Take a look at *How do I use Kaleidoculator?* to find out more.

### QUICK TIP

Need to change the unit of measurement you're using for your insulin to BG ratios? You can do that in System Settings – see *How do I change the unit of measurement I record my BG readings in?*

## How do I enter my insulin to BG ratios?

PERSONAL INFO	
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	Humalog
Insulin to carb:	10 grams/U
Insulin to BG:	10 mmol/L/U
Insulin activity:	Normal

Back      Home

INSULIN TO BG	
00:01 to 11:00	0 1 . 5 mmol/L/U
11:01 to 17:00	0 2 . 5 mmol/L/U
17:01 to 00:00	0 3 . 5 mmol/L/U

Cancel      Save

INSULIN TO BG	
00:01 to 11:00	0 1 . 5 mmol/L/U
11:01 to 17:00	0 2 . 5 mmol/L/U
17:01 to 00:00	0 3 . 5 mmol/L/U

Cancel      Save

### STEP 1

On the Personal Info menu, scroll to **Insulin to BG** and press Enter to select.

### STEP 2

First off, enter the number of BG units in your insulin to BG ratio for 00:01 to 11:00 each day. Use the up and down buttons to scroll through the numbers 0 to 9 and the right button to move on to the next number. Once you're happy with the number you've entered, press Enter.

### STEP 3

Next, enter the number of BG units in your insulin to BG ratio for 11:01 to 17:00. Again, use the up and down buttons to scroll through the numbers 0 to 9. The right button will help you move to the next number. When you're done, press Enter.

### WARNING

Your insulin to BG ratios must always be set and amended with the help of your Healthcare Provider. Never attempt to change your insulin to BG ratios without the guidance and support of your Healthcare Provider.

### QUICK TIP

You can select **Cancel** and return to the Personal Info menu whenever you like. If you do, any changes you've made won't be saved.

INSULIN TO BG

00:01 to 11:00 0 1 . 5 mmol/L/U

11:01 to 17:00 0 2 . 0 mmol/L/U

17:01 to 00:00 0 2 . 5 mmol/L/U

**Cancel** **Save**

INSULIN TO BG

00:01 to 11:00 0 1 . 5 mmol/L/U

11:01 to 17:00 0 2 . 0 mmol/L/U

17:01 to 00:00 0 2 . 5 mmol/L/U

**Cancel** **Save**

### STEP 4

Lastly, enter your insulin to BG ratio for 17:01 to 00:00. Just like before, use the up and down buttons to scroll through the numbers 0 to 9 and the right button to move to the next number. Once you've entered the number, press the Enter button again.

### STEP 5

When you're ready to save your three insulin to BG ratios, press Enter again to select **Save**.

If you've accidentally moved to Save too soon and you need to change any of the ratios you've entered, no worries! Just press the up button to return to the first number box for the 00:01 to 11:00 ratio and go from there.



PERSONAL INFO	
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	Humalog
Insulin to carb:	10 grams/U
Insulin to BG:	2 mmol/L/U
Insulin activity:	
<b>Back</b>	<b>Home</b>

### STEP 6

A confirmation message will appear – your insulin to BG ratios have been saved. Press Enter to return to the Personal Info menu a little quicker.

### STEP 7

Congrats - your insulin to BG ratios will now show up in the Personal Info menu! Your handset will always display your current insulin to BG ratio.

## How do I enter my insulin activity time?

Your insulin activity time is the amount of time that any insulin you take stays active in your body - and on your BG. Here's how to set your activity time:

PERSONAL INFO	
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	Humalog
Insulin to carb:	10 grams/U
Insulin to BG:	2 mmol/L/U
Insulin activity:	
Back	Home

INSULIN ACTIVITY

Please enter your insulin activity time:

2 hours

Cancel Save

INSULIN ACTIVITY

Please enter your insulin activity time:

3 hours

Cancel Save



PERSONAL INFO	
Height:	5 ft 6 in
Weight:	9 st 7 lbs
Target BG:	6.0 mmol/L
Insulin:	Humalog
Insulin to carb:	10 grams/U
Insulin to BG:	2 mmol/L/U
Insulin activity:	3 hours
Back	Home

### STEP 1

On the Personal Info menu, scroll to **Insulin activity** and press Enter to select.

### STEP 2

Now, enter your insulin activity time, using the up and down buttons to scroll to the correct time – it can be as short as 2 hours and as long as 8. Once you've set the correct time, press the Enter button.

### STEP 3

Press the Enter button again to select **Save**.

If you've accidentally moved to Save too soon and you need to change the insulin activity time you've entered, no worries! Just press the up button to go back to the selection box.

### STEP 4

A confirmation message will pop up – your insulin activity time has been saved. Press Enter to return to the Personal Info menu a little quicker.

### QUICK TIP

Kaleido uses your personal insulin activity time to help calculate Insulin on Board. So, if you haven't set an insulin activity time, you won't be able to access Insulin on Board from the Menu menu.

### WARNING

Your insulin activity time must always be set and amended with the help of your Healthcare Provider. Never attempt to change your insulin activity time without the guidance and support of your Healthcare Provider.

# System Settings

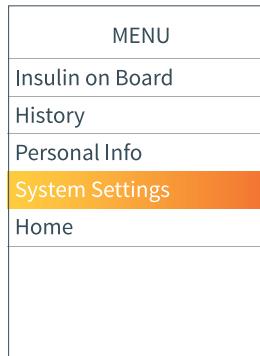
Just like Personal Info, your Kaleido handset's System Settings will be preloaded before it's delivered to you. But in case you need to change anything, this section covers everything you'll ever need to know to help you review and change your System Settings.

## How do I review my System Settings?



### STEP 1

On the Home screen, scroll to **Menu** and press Enter to select.



### STEP 2

Scroll to and select **System Settings**.

SYSTEM SETTINGS	
Connection:	Blue Pump
Resource Levels:	Good
Lock Screen:	Off
Medic Message:	Off
Language:	English
BG units:	mmol/L
Time:	15:30
Date:	22.07.2015
<b>Back</b>	<b>Home</b>

### STEP 3

On the System Settings menu, use the up and down buttons to read through your saved details.

SYSTEM SETTINGS	
Connection:	Blue Pump
Resource Levels:	Good
Lock Screen:	Off
Medic Message:	Off
Language:	English
BG units:	mmol/L
Time:	15:30
Date:	22.07.2015
<b>Back</b>	<b>Home</b>

### STEP 4

Once you've finished, scroll all the way down to **Home**. Press Enter to select it and you'll be returned to the Home screen.

Alternatively, from Home, scroll left to Back and press Enter to return to Menu.

## How do I check if my handset is connected to a pump?

Your handset will connect to your Kaleido pumps wirelessly. If you ever want to double check if your handset is connected to a pump and, if it is, which one, you can do that in System Settings in one simple step:



### STEP 1

On the System Settings menu, scroll to **Connection**. If your handset is connected to a pump, the pump's name will be displayed. If it is not currently connected, the Connection section will be empty.

#### QUICK TIP

Your pumps are named after their colour - if you have a purple pump, its name will be Purple Pump. Nice and simple!

## Can I force my handset to disconnect from a pump?

We recommend that you always allow your handset and pump to disconnect naturally - your handset will automatically disconnect from a pump when you stop it and then remove the insulin cartridge. This usually happens at the end of three days of pumping, or sooner if you change your pump more frequently.

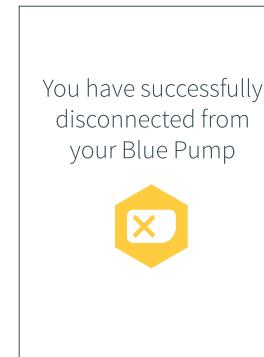
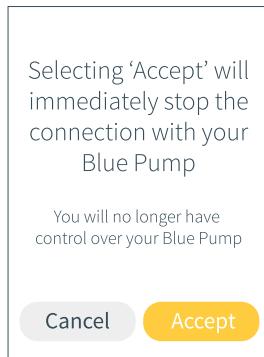
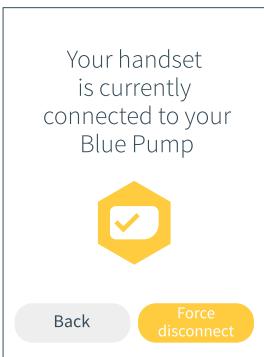
We understand that exceptional circumstances crop up every now and again though, and you might need to force your handset to disconnect from one pump so that you can safely start using another (for example, if you lose or damage the pump you're connected to). So if something like that does happen, just follow the steps outlined on the next few pages to force your handset to disconnect from your pump.

#### WARNING

Forcing your handset to disconnect from your pump will stop your ability to control that pump. However, the disconnected pump might continue to administer any pre-programmed insulin deliveries. In order to ensure your safety, you must always remove the insulin cartridge straight away from any pumps that you are not using. To re-establish a connection with a pump, insert an insulin cartridge and follow the instructions on your handset.

### QUICK TIP

You will only be able to force your handset to disconnect from a pump if the two are already wirelessly connected.



#### STEP 1

On the System Settings menu, scroll to **Connection** and press Enter to select.

#### STEP 2

Press the right button to scroll to **Force disconnect** and press Enter to select.

If you decide you don't want to force your handset to disconnect after all, select Back. This will take you back to the System Settings menu and your handset will stay connected to your current pump.

#### STEP 3

If you choose to continue with the forced disconnect, you will be asked one last time to confirm that you definitely want to disconnect. Press Enter to select **Accept** and disconnect.

Alternatively, if you decide you no longer want to disconnect, just scroll left and press Enter to select **Cancel**.

#### STEP 4

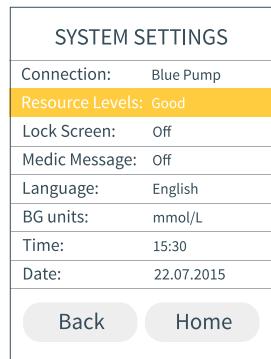
A confirmation message will pop up – your handset has been disconnected from your pump. Press Enter to return to the System Settings menu a little quicker.

#### STEP 5

The Connection section of the System Settings menu will now be empty. You won't be able to access the Bolus section of your Home screen or set a temporary basal rate until you connect a new pump.

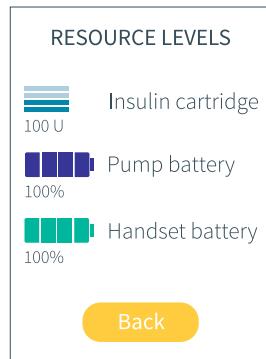
## How do I check how full my insulin cartridge and batteries are?

You can always check how full your insulin cartridge, pump and handset batteries are by looking at the icons at the top of your Home screen. But sometimes you need a little more in-depth info, right? Just follow these steps to uncover more:



### STEP 1

On the System Settings menu, scroll to **Resource Levels** and press Enter to select.



### STEP 2

The Resource Levels screen will show you the following:

- How many units of insulin are left in your insulin cartridge (rounded down to the nearest full unit)
- How much power is left in your pump battery (as a percentage)
- How much power is left in your handset battery (as a percentage)

Once you have the information you need, press Enter to select **Back** and return to the System Settings menu.

## What do all the Resource Level icons mean?

If your insulin cartridge or either of your batteries are low enough to have triggered an alert or an alarm, you'll also see this in the icons on your Home and Resource Levels screens.

This is what the Resource Level icons mean:



Insulin cartridge



Insulin cartridge in Alert mode



Insulin cartridge in Alarm mode



Pump battery



Pump battery in Alert mode



Pump battery in Alarm mode



Handset battery



Handset battery in Alert mode

## What's Lock Screen and how do I turn it on?

If you like, you can make your handset extra secure by switching on Lock Screen. This function allows you to set a passcode, which must then be entered correctly to unlock your handset whenever it's switched on or woken up. If you enter an incorrect passcode, your handset will not unlock. This is how to turn on Lock Screen and set your passcode:

<b>SYSTEM SETTINGS</b> Connection: Blue Pump Resource Levels: Good <b>Lock Screen: Off</b> Medic Message: Off Language: English BG units: mmol/L Time: 15:30 Date: 22.07.2015  Back Home	<b>LOCK SCREEN</b> Lock Screen is: <b>On</b>  Cancel Next	<b>LOCK SCREEN</b> Please enter a passcode using only the four navigation buttons:  Please reconfirm your passcode:   Cancel Next	Selecting 'Save' will turn on Lock Screen and save your passcode as:   Cancel Save	Lock Screen has been turned on and your passcode has been saved 	<b>SYSTEM SETTINGS</b> Connection: Blue Pump Resource Levels: Good <b>Lock Screen: On</b> Medic Message: Off Language: English BG units: mmol/L Time: 15:30 Date: 22.07.2015  Back Home
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------	---------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### STEP 1

On the System Settings menu, scroll to **Lock Screen** and press Enter to select.

### STEP 2

Use the up and down buttons to select **On**, then press the Enter button. Press the Enter button again to select **Next**.

### STEP 3

Use the up, down, left and right buttons to set a four button passcode. *Make sure it's something you'll remember!* Press the Enter button, then enter your new passcode again to confirm the sequence. Press Enter again to move to **Next** and again one last time to select it.

If you've accidentally moved to **Next** too soon and you need to change the passcode you've entered, no worries! Just press the up button and re-enter your new passcode.

### QUICK TIP

If you ever want to change your passcode, just turn Lock Screen off, and then turn it back on again. Then start this section from the beginning, following the steps to save a new passcode.

### STEP 4

Your handset will confirm the passcode you're about to set. If you're happy for this to happen, press the Enter button again to select **Save**.

Alternatively, scroll left and press Enter to select **Cancel** and return to the previous screen.

### STEP 5

A confirmation message will pop-up – Lock Screen has been turned on and your passcode has been saved. Press Enter to return to the System Settings menu a little quicker.

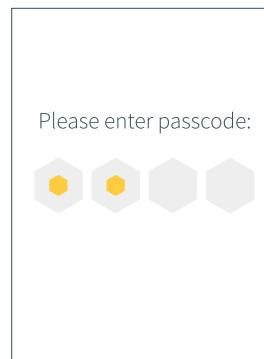
### STEP 6

Congrats - your updated Lock Screen status will now be displayed in the System Settings menu!

## I've turned on Lock Screen – what happens now?

When Lock Screen is turned on, you'll need to enter your passcode every time you want to unlock your handset. Your handset will ask you to enter your passcode and once you do, you'll either be taken to your Home screen or the screen you were last on.

Your passcode screen will look like this:



If you enter the wrong passcode, your handset will give you another try. You won't be able to gain access to your handset until you enter the correct passcode, so if you've forgotten it, just call Kaleido Care and we'll help you reset it.

## How do I turn Lock Screen off?

Turning off Lock Screen is really simple:

### WARNING

Turning Lock Screen off will delete your passcode for good.

SYSTEM SETTINGS	
Connection:	Blue Pump
Resource Levels:	Good
Lock Screen:	On
Medic Message:	Off
Language:	English
BG units:	mmol/L
Time:	15:30
Date:	22.07.2015
Back	Home

LOCK SCREEN	
Lock Screen is:	Off
Cancel	Next

Selecting 'Save' will turn Lock Screen off and delete your passcode
You will no longer have to enter a passcode to unlock your handset
Cancel Save

### STEP 1

On the System Settings menu, scroll to **Lock Screen** and press Enter to select.

### STEP 2

Use the up and down buttons to select **Off**, then press the Enter button. Press the Enter button again to select **Next**.

### STEP 3

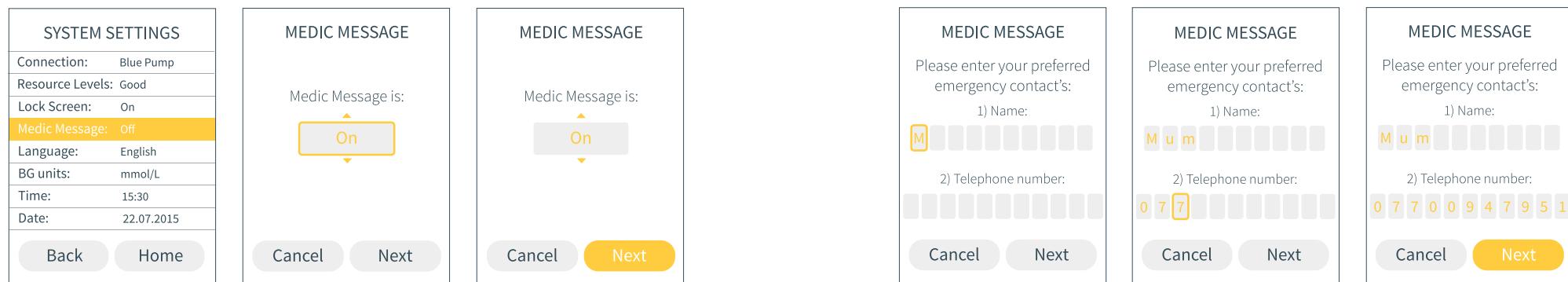
If you're sure you want to turn Lock Screen off, press the Enter button one last time to select **Save**. Alternatively, scroll left and press Enter to select **Cancel**.

# What's a Medic Message and how do I turn it on?

A bit like a piece of Medic ID jewellery, setting a Medic Message on your Kaleido handset gives you the opportunity to share important details with people who might need to know who you are and what's going on in an emergency. For extra peace of mind, this is how you save and turn on your Medic Message so people can view it - it will show up whenever your handset is woken up.

## QUICK TIP

You can select **Cancel** and return to the System Settings menu whenever you like. If you do, any changes you've made won't be saved.



**STEP 1**  
On the System Settings menu, scroll to **Medic Message** and press Enter to select.

**STEP 2**  
Use the up and down buttons to select **On**, then press the Enter button.

**STEP 3**  
Press the Enter button again to select **Next**.

**STEP 4**  
Start by entering the name of your emergency contact using the up and down buttons to scroll through the alphabet. You can use the right button to move on to the next letter, or to add a space. Once you've entered a name, press the Enter button.

**STEP 5**  
Next, use the up, down, right and left buttons to enter your emergency contact's telephone number (up and down will help you scroll through the numbers 0 to 9, right and left will help you move between number boxes).

Once you've entered the phone number, press the Enter button to move to Next.

**STEP 6**  
Press Enter again to select **Next**.

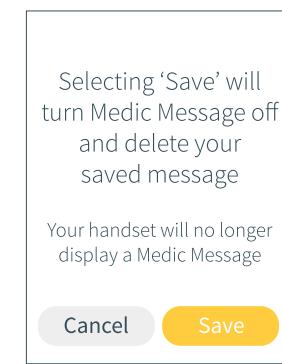
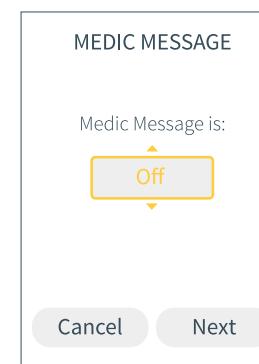
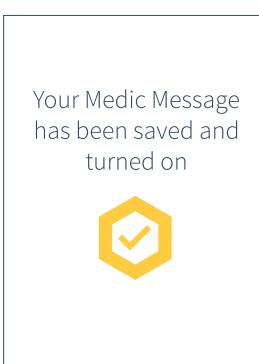
If you've accidentally moved to Next too soon and you need to change your emergency contact's details, no worries! Just press the up button to return to the first letter box.

### QUICK TIP

If you ever want to change your Medic Message, just turn the setting off, and then turn it back on again. Go back to the start of this section and follow the steps to save your new details.

## How do I turn my Medic Message off?

Should you want to, you can turn your Medic Message off at any time - and really quickly too!



### STEP 7

Your handset will now show you a preview of your Medic Message.  
*Like it? Good!* Press Enter to select **Save**.

Alternatively, scroll left and press Enter to select **Cancel**, then edit your message.

### STEP 8

A confirmation message will pop up – your Medic Message has been saved and turned on. Press Enter to return to the System Settings menu a little quicker.

### STEP 9

Congrats - your updated Medic Message status will now be displayed in the System Settings menu!

### STEP 1

On the System Settings menu, scroll to **Medic Message** and press Enter to select.

### STEP 2

Use the up and down buttons to select **Off**, then press the Enter button.  
Press enter again to select **Next**.

### STEP 3

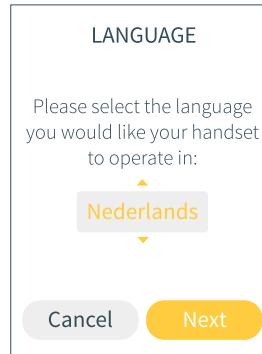
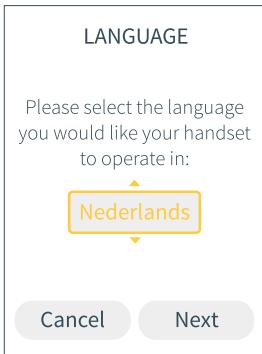
If you're sure you want to turn off your Medic Message, press the Enter button once more to select **Save**.

Alternatively, scroll left and press Enter to select **Cancel**.

# How do I change my handset's language?

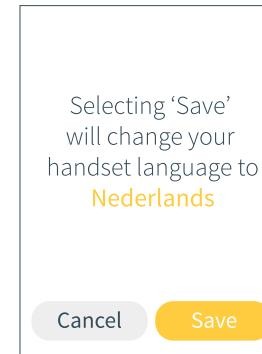
We'd recommend that you only ever use your Kaleido handset in your native language. In case of emergencies, it's *really* important that you're able to completely understand the language that is being used to communicate your pump information to you. If you do ever need to change your handset's language though, here's how you do it:

SYSTEM SETTINGS	
Connection:	Blue Pump
Resource Levels:	Good
Lock Screen:	On
Medic Message:	On
Language:	English
BG units:	mmol/L
Time:	15:30
Date:	22.07.2015
Back	Home



## WARNING

You should only ever change your language settings if it's absolutely necessary for the safe continuation of your insulin therapy.



INSTELLINGEN	
Verbinding:	Blaauwe Pomp
Resterende niveaus:	Goed
Vergrendelscherm:	Aan
Medische Melding:	Aan
Taal:	Nederland
BG-eenheden:	mmol/L
Tijd:	15:30
Datum:	22.07.2015
Terug	Beginscherm

## STEP 1

On the System Settings menu, scroll to **Language** and press Enter to select.

## STEP 2

Use the up and down buttons to scroll through the language options. Press Enter to select your preferred language.

## STEP 3

Next, press Enter again to select **Save**.

If you've accidentally moved to Save too soon and you need to change the language selected, no worries! Just press the up button to return to the selection box.

## QUICK TIP

You can select **Cancel** and return to the System Settings menu whenever you like. If you do, any changes you've made won't be saved.

## STEP 4

Your handset will confirm the language selection that you are about to make – if you're still happy to make the change, press the Enter button again to select **Save**.

Alternatively, scroll left and press Enter to select **Cancel** and return to the previous screen.

## STEP 5

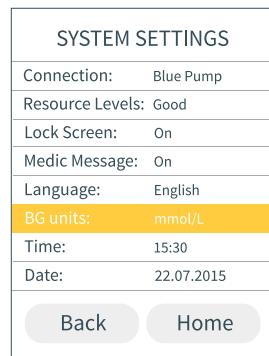
A confirmation message will pop up – your handset language has been changed. Press Enter to return to the System Settings menu a little quicker.

## STEP 6

Congrats - your updated language setting will now be displayed in the System Settings menu! You'll also notice that your handset language has changed!

# How do I change the unit of measurement I record my BG readings in?

We recommend that you only ever use the unit of measurement you're used to to record your BG readings, but if you ever need to change the unit of measurement that your Kaleido handset uses, it is possible. Your Healthcare Provider will be able to give you more advice as to whether you'd benefit from changing the units of measurement that you use.



**STEP 1**  
On the System Settings menu, scroll to **BG units** and press Enter to select.

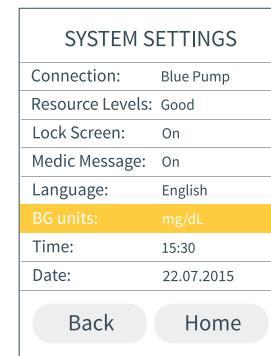
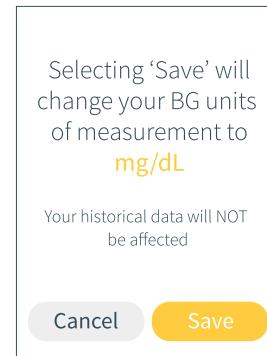
**STEP 2**  
Use the up and down buttons to select the unit of measurement that you want to use. Press the Enter button.

**STEP 3**  
Press Enter again to select **Save**.  
  
If you've accidentally moved to Save too soon and you need to change the unit of measurement you've selected, no worries! Just press the up button to return to the selection box.

**WARNING**  
Never change the BG unit of measurement on your Kaleido handset without first consulting your Healthcare Provider.

**WARNING**  
Changing the unit of measurement that you use will not update any past BG readings or historic data.

**QUICK TIP**  
You can select **Cancel** and return to the System Settings menu whenever you like. If you do, any changes you've made won't be saved.



## How do I change the time on my handset?

It's really important that your handset is always set to the correct time. Time plays a huge part in the delivery of your basal profiles, so you should check your handset regularly to make sure it's correct. If it ever needs to be changed or updated, this is what you'll need to do:

SYSTEM SETTINGS	
Connection:	Blue Pump
Resource Levels:	Good
Lock Screen:	On
Medic Message:	On
Language:	English
BG units:	mg/dL
Time:	15:30
Date:	22.07.2015
Back	Home

TIME

Please enter the time:

1 5 : 3 0

Cancel Save

TIME

Please enter the time:

1 4 : 3 0

Cancel Save

**STEP 1**  
On the System Settings menu, scroll to **Time** and press Enter to select.

**QUICK TIP**  
You can select **Cancel** and return to the System Settings menu whenever you like. If you do, any changes you've made won't be saved.

**QUICK TIP**  
Changed the time (or date) on your handset recently but forgotten when? Kaleido will give you a reminder of this in History - just look for the  symbol!

**STEP 2**  
Enter the current time using the up and down buttons to scroll through the numbers 0 to 9. Use the right button to move on to the next number.

If you've accidentally moved to Save too soon and you need to change the time that you have entered, no worries! Just press the up button to return to the first number box.

**STEP 3**  
When you've successfully entered the time, press Enter and then Enter again to select **Save**.

### WARNING

If you travel to a different time zone, the time on your handset will NOT automatically update. Always ensure that you change the time and date on your handset to account for the difference in time zones. Get in touch with your Healthcare Provider for advice on when and how to go about making these adjustments.



SYSTEM SETTINGS	
Connection:	Blue Pump
Resource Levels:	Good
Lock Screen:	On
Medic Message:	On
Language:	English
BG units:	mg/dL
Time:	14:30
Date:	22.07.2015
Back	Home

**STEP 4**  
A confirmation message will pop up – the time has been saved. Press Enter to return to the System Settings menu a little quicker.

**STEP 5**  
Congrats - the updated time will now be displayed in the System Settings menu and on your Home screen!

### WARNING

If your Kaleido handset battery ever becomes completely flat, causes your handset to turn off and is left uncharged for seven days or more, your handset's internal clock will automatically reset. This means it will not remember your previous time and date settings. To avoid this, charge your handset regularly. If you do allow your handset battery to empty and remain uncharged for seven days or more, make sure you check your time and date settings are correct as soon as you turn your handset back on.

## How do I change the date on my handset?

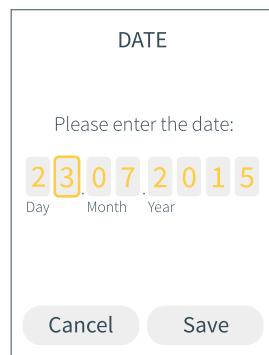
It's important that your handset is always set to the correct date, so that you know your historic data is being saved correctly. If you ever need to update the date on your handset, here's how to do it:



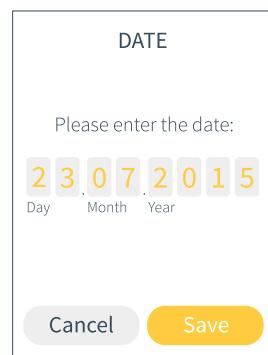
**STEP 1**  
On the System Settings menu, scroll to **Date** and press Enter to select.

**QUICK TIP**  
You can select **Cancel** and return to the System Settings menu whenever you like. If you do, any changes you've made won't be saved.

**QUICK TIP**  
Changed the date (or time) on your handset recently but forgotten when? Kaleido will give you a reminder of this in History - just look for the  symbol!



**STEP 2**  
Enter the current date using the up and down buttons to scroll through the numbers 0 to 9. Use the right button to move on to the next number.



**STEP 3**  
When you've successfully entered the date, press Enter and then press Enter again to select **Save**.

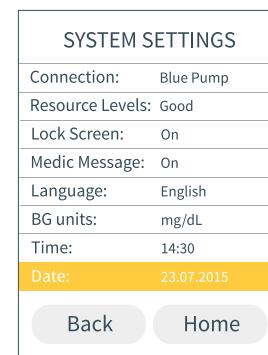
If you've accidentally moved to Save too soon and you need to change the date that you have entered, no worries! Just press the up button to return to the first number box.

### WARNING

If you travel to a different time zone, the date on your handset will NOT automatically update. Always ensure that you change the date and time on your handset to account for the difference in time zones. Get in touch with your Healthcare Provider for advice on when and how to go about making these adjustments.



**STEP 4**  
A confirmation message will pop up – the date has been saved. Press Enter to return to the System Settings menu a little quicker.



**STEP 5**  
Congrats - the updated date will now be displayed in the System Settings menu!

### WARNING

If your Kaleido handset battery ever becomes completely flat, causes your handset to turn off and is left uncharged for seven days or more, your handset's internal clock will automatically reset. This means it will not remember your previous date and time settings. To avoid this, charge your handset regularly. If you do allow your handset battery to empty and remain uncharged for seven days or more, make sure you check your date and time settings are correct as soon as you turn your handset back on.

## How do I turn my handset button tones off?

Sometimes you want to be a little more discreet – *don't worry, we get it*. Turning your handset's button tones off will mean your neighbours are none the wiser – and it's simple to do, too:

SYSTEM SETTINGS	
Medic Message:	On
Language:	English
BG units:	mmol/L
Time:	14:30
Date:	23.07.2015
Button tones:	On
Volume:	3
Brightness:	8
Back	Home

BUTTON TONES

Handset button tones are:  
**Off**

Cancel Save

BUTTON TONES

Handset button tones are:  
**Off**

Cancel Save

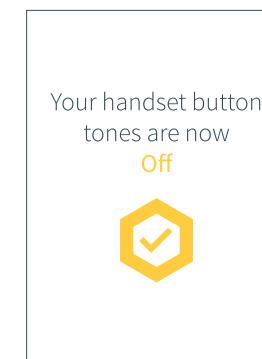
**STEP 1**  
On the System Settings menu, scroll to **Button tones** and press Enter to select.

**STEP 2**  
Use the up and down buttons to select **Off**, then press the Enter button.

**STEP 3**  
Press Enter again to select **Save**.  
  
If you've accidentally moved to **Save** too soon – no worries! Just press the up button to return to the selection box.

### QUICK TIP

You can turn your button tones back on by selecting **Button tones** in the System Settings menu, then using the up and down arrows to select **On**. Press the Enter button, then press it again to select **Save**.



SYSTEM SETTINGS	
Medic Message:	On
Language:	English
BG units:	mmol/L
Time:	14:30
Date:	23.07.2015
Button tones:	Off
Volume:	3
Brightness:	8
Back	Home

**STEP 4**  
A confirmation message will pop up – your button tones have been turned off. Press Enter to return to the System Settings menu a little quicker.

**STEP 5**  
Congrats – your updated button tone setting will now be displayed in the System Settings menu!

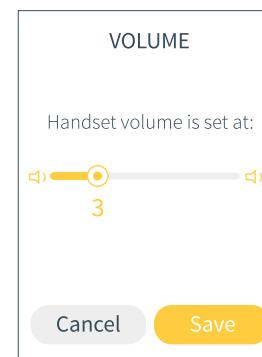
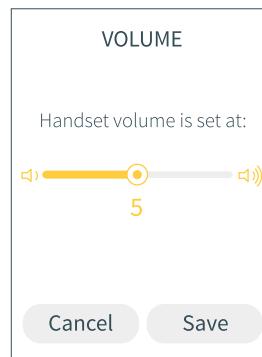
### QUICK TIP

You can select **Cancel** and return to the System Settings menu whenever you like. If you do, any changes you've made won't be saved.

## How do I set the volume of my handset?

Just like your button tones, the volume you want to set your Kaleido handset at might change depending on where you are. Follow these steps to set the volume you'd like. This will only affect the volume of any alerts and reminders that you receive - not your alarms.

SYSTEM SETTINGS	
Medic Message:	On
Language:	English
BG units:	mmol/L
Time:	14:30
Date:	23.07.2015
Button tones:	Off
Volume:	5
Brightness:	8
Back	Home



**STEP 1**  
On the System Settings menu, scroll to **Volume** and press Enter to select.

**STEP 2**  
Use the left button to make the volume quieter and the right button to make it louder, then press the Enter button.

**STEP 3**  
Press Enter again to select **Save**.

If you've accidentally moved to Save too soon - no worries! Just press the up button to return to the volume selector.

**QUICK TIP**  
You can select **Cancel** and return to the System Settings menu whenever you like. If you do, any changes you've made won't be saved.

### WARNING

To help keep you safe, it's not possible to completely mute your Kaleido handset. You can't change the volume of the speakers on your pumps at all either.

### WARNING

Due to their importance, any changes made to volume will not affect any alarms that you receive.

### WARNING

We recommend that you keep your handset close by when you have the volume set low.



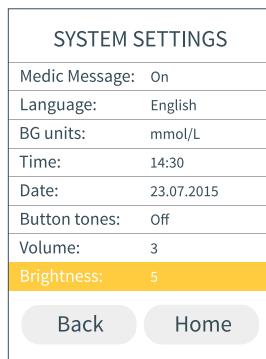
SYSTEM SETTINGS	
Medic Message:	On
Language:	English
BG units:	mmol/L
Time:	14:30
Date:	23.07.2015
Button tones:	Off
Volume:	3
Brightness:	5
Back	Home

**STEP 4**  
A confirmation message will pop up – your handset volume has been changed. Press Enter to return to the System Settings menu a little quicker.

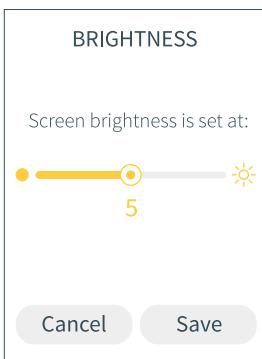
**STEP 5**  
Congrats - your updated volume setting will now be displayed in the System Settings menu!

# How do I set the brightness of my handset screen?

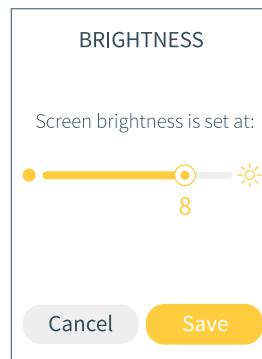
On a holiday in the sun or curled up watching TV?  
There are a few factors that could mean you might find it useful to adjust the brightness of your handset screen. Here's how to do it:



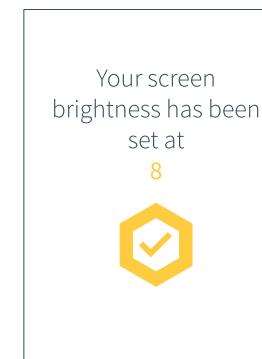
**STEP 1**  
On the System Settings menu, scroll to **Brightness** and press Enter to select.



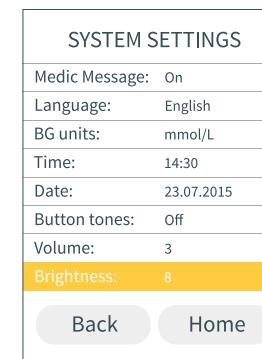
**STEP 2**  
Use the left button to make the screen less bright and the right button to make it brighter, then press the Enter button.



**STEP 3**  
Press Enter again to select **Save**.  
  
If you've accidentally moved to Save too soon – no worries! Just press the up button to return to the Brightness selector.



**STEP 4**  
A confirmation message will pop up – the brightness of your handset screen has been changed. Press Enter to return to the System Settings menu a little quicker.



**STEP 5**  
Congrats - your updated brightness setting will now be displayed in the System Settings menu!

## QUICK TIP

You can select **Cancel** and return to the System Settings menu whenever you like. If you do, any changes you've made won't be saved.

The background features a complex geometric pattern composed of several overlapping triangles. The triangles are primarily two colors: a bright yellow-green and a vibrant teal-green. They overlap in various ways, creating a sense of depth and movement across the entire frame.

Status

## Pausing your pump



### Status

You'll need to access the Status section of your Kaleido handset when you want to pause, stop or restart the pump you're using.

The Kaleido pump is one of the smallest, niftiest pumps around, and it's made to fit into almost all situations. But if you're jumping in the shower, trying on new clothes or going for a swim, you might just want to take a break. So, to give you back complete flexibility, you can choose to pause and remove your pump at any time.

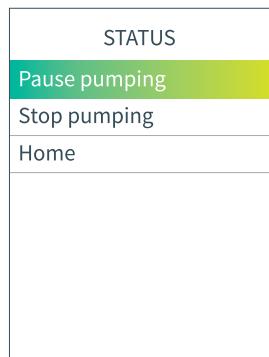
The best bit? Your handset will keep track of how much insulin you've missed while your pump is paused, so that you can make an informed decision about your insulin delivery when you're ready to get going again.

# How do I pause my pump?



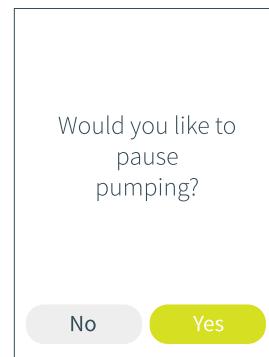
## STEP 1

On the Home screen, scroll to **Status** and press Enter to select.



## STEP 2

Scroll to and select **Pause pumping**.

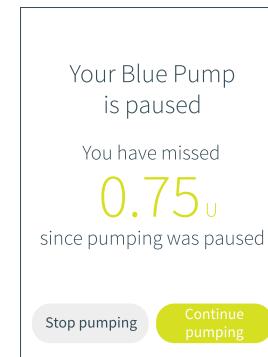


## STEP 3

Your handset will ask you if you want to pause pumping. Just press the Enter button to select **Yes**.

### QUICK TIP

Changed your mind? Just press the left button to scroll to No. Press Enter to select it and return to the Status menu.



## STEP 4

*Easy!* Your pump is now paused and insulin delivery has been stopped. On your handset, you'll be able to keep track of how much basal insulin you're missing out on.

### WARNING

You won't be able to access any of your handset's other functions while your pump is paused.

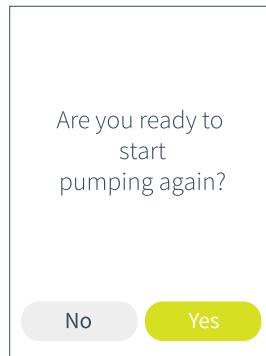
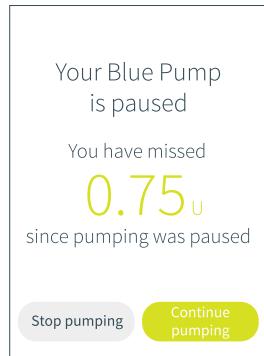
### WARNING

If you choose to take your pump off while it is paused, it's important to remember to close the protective cover on your infusion set.

### WARNING

You won't receive any insulin at all while your pump is paused.

## How do I unpause my pump?



**STEP 1**  
When you're ready to restart your paused pump, take note of how much insulin you've missed and press the Enter button to select **Continue pumping**.

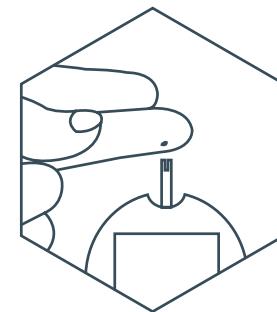
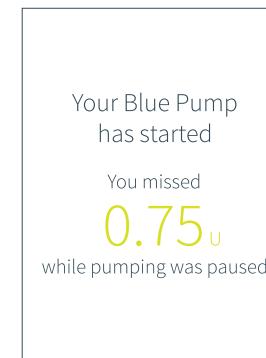
**QUICK TIP**  
Alternatively, you can press the left button to scroll to Stop pumping. If you select Stop pumping, your handset will enter Stop mode. See *How do I stop my pump?* for more details about Stop mode.

### WARNING

Your handset only keeps track of the insulin you've missed for information purposes. It will NOT automatically deliver the insulin you have missed when you unpause your pump.

### WARNING

You should speak to your Healthcare Provider for advice on when to pause your pump and the action you need to take when you later decide to unpause it.



**STEP 3**  
A confirmation message will pop up – your pump has unpause and your insulin delivery has been restarted! Press Enter to return to the Home screen a little quicker.

### WARNING

You should always take a BG reading when you start to pump after a break in your insulin delivery. This will help you make informed decisions about your immediate insulin requirements.

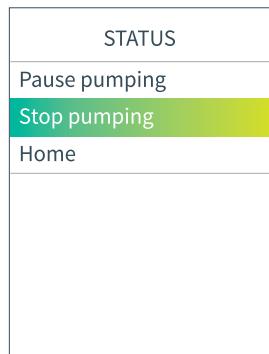
## How do I stop my pump?

You can also stop your pump from the Status menu. Stopping your pump should always be your very first step when you're preparing to remove your pump.

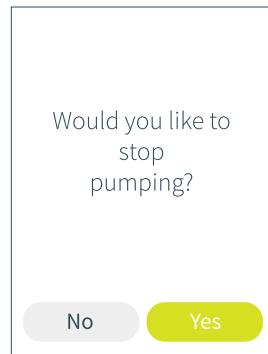
This is especially important if you're getting ready to swap pumps. Once you've followed the steps here, you can find out more about removing your pumps and infusion sets by checking out *How do I take my pump off?*



**STEP 1**  
On the Home screen, scroll to **Status** and press Enter to select.



**STEP 2**  
Scroll to and select **Stop pumping**.



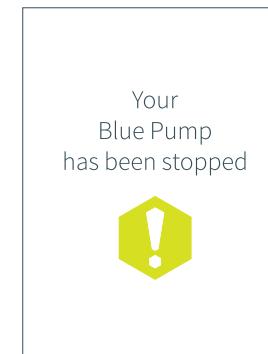
**STEP 3**  
Your handset will ask you if you'd like to stop pumping. Press the Enter button to select **Yes**.

### QUICK TIP

Decided you don't want to stop your pump after all? Just press the left button to scroll to No. Press Enter to select it and return to the Status menu.

### WARNING

When your pump is in Stop mode, your handset and pump will stay wirelessly connected, but your pump will not deliver any insulin and will not track how much insulin you've missed. You won't be able to reach the Bolus menu from your Home screen and you won't be able to set a temporary basal rate either.



**STEP 4**  
A confirmation message will pop up - your pump has been stopped and you are no longer receiving any insulin. Press Enter to return to the System Settings menu a little quicker.

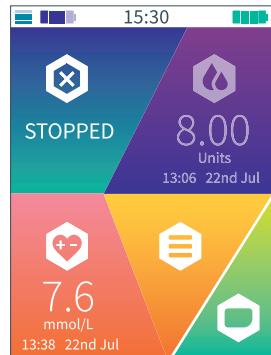


**STEP 5**  
Your Home screen will update to show that your pump is in Stop mode.

## How do I restart my pump?

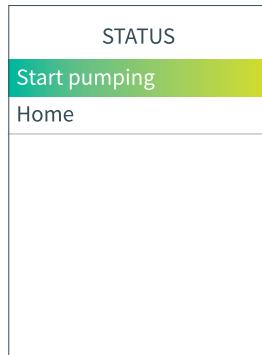
When your pump is in Stop mode, your handset and pump will stay connected to each other. This means you can choose to start pumping again whenever you like – your pump will just restart the same basal profile you were using when you stopped it.

Restarting your pump is easy. You can also follow these steps if you need to start your pump after choosing not to immediately start pumping when you connected your pump to your handset.



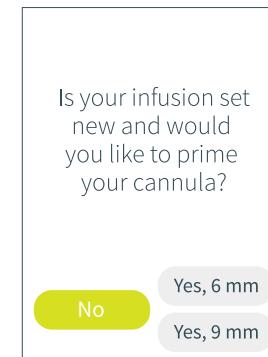
STEP 1

On the Home screen, scroll to **Status** and press Enter to select.



STEP 2

When you're in Stop mode, the only option in your Status menu will be **Start pumping** – press Enter to select it.



### STEP 3

Just in case you're using a new infusion set, your handset will now give you another chance to prime your cannula. There are three options for you to choose from:

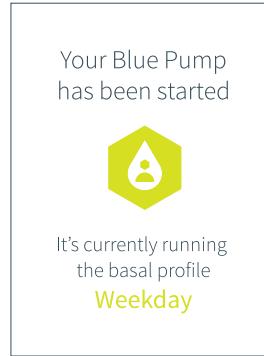
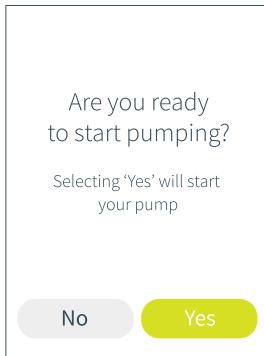
- If you'd like to prime a new infusion set with a 6 mm cannula, press Enter to select **Yes, 6 mm**. If you do, you'll be asked if you're ready to prime your cannula and start pumping, and your handset will walk you through what to do next.

- If you'd like to prime a new infusion set with a 9 mm cannula, scroll down to **Yes, 9 mm**, then press Enter to select it. If you do, you'll be asked if you're ready to prime your cannula and start pumping, and your handset will walk you through what to do next.

- Or, if you don't want to prime your new infusion set's cannula or if you're not using a new infusion set, just press the left button to scroll to **No** and press Enter to select it.

You can find out more about priming your cannula by checking out *Why do I need to prime my cannula?*





#### STEP 4

If you chose No, your handset will now ask you if you'd like to start pumping. Press the Enter button to select Yes.

Make sure you don't select Yes until you're wearing your pump and infusion set and ready to start receiving insulin. Your handset will stay on this screen for as long as you need it to.

#### QUICK TIP

If you've changed your mind, just press the left button to scroll to No. Press Enter to select it and then return to the Status menu.

#### STEP 5

A confirmation message will pop up – your pump has been started. Your handset will show you the basal profile it's currently running. You can press the Enter button to jump to the Home screen a little quicker.

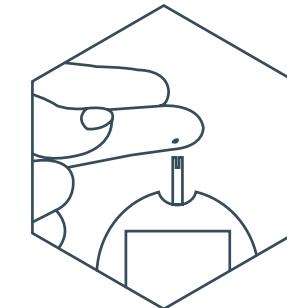


#### STEP 6

Your Home screen will update to show you all your pumping details.

#### STEP 7

Next, take a BG reading to make sure you're happy with your current insulin delivery.



#### WARNING

You should always take a BG reading when you start to pump after a break in your insulin delivery. This will help you make informed decisions about your immediate insulin requirements.

# Alerts & Alarms



## Alerts & Alarms

Sometimes, life throws us curveballs. Rest assured, if your pump thinks something isn't quite going to plan, it'll sound an alert or an alarm to let you know.

As long as it's within range, your handset will also sound and display a message to let you know and give you a bit more information, too.

### What is an alert?

You'll receive an alert if your pump wants to warn you about something that's important but not urgent yet. It's a bit of an advance heads up, *kind of like a "Hey man, just so you know..."*

The alert tone is two short beeps which will sound from your pump. When your handset is in range, it will also sound the alert tone and give you an alert message that'll pop up on your handset, explaining what the alert is for. Once you've read and understood the reason for the alert, press the Enter button to select **Alert understood** – you'll be taken back to the screen you were on last.

### What is an alarm?

Alarms only occur if something serious is going on. There are two types of alarms – those that affect your pump and those that only affect your handset. Pump alarms will automatically stop your pump and put it into Stop mode. Handset alarms won't stop your pump, but they will cause your handset to turn off. Whichever alarm you get, you'll need to give it your full attention, stat.

The alarm tone is a continuous series of beeps which will sound from your pump. When it is in range, your handset will also sound the alarm tone and show an alarm message, giving you more details about what's going on. Once you've read and understood the message, press Enter to select **Alarm understood**. If it's a pump alarm, you'll then be taken straight to the Home screen. If it's a handset alarm, selecting Alarm understood will turn your handset off.

#### **WARNING**

Alerts and alarms will interrupt any other actions that you might be running on your Kaleido handset. Your handset will always prioritise an alarm over an alert.

#### **WARNING**

Pump alarms will immediately stop your pump and put it into Stop mode. Once you've sorted the issue that caused the alarm, you will need to restart your pump (see *How do I restart my pump?*) to get it going again. You can also check out *How do I stop my pump?* for more details about Stop mode.

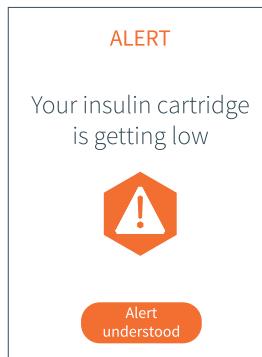
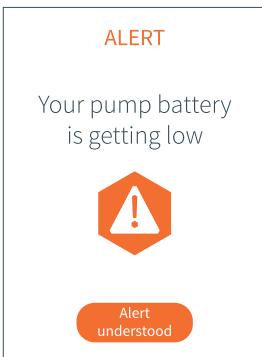
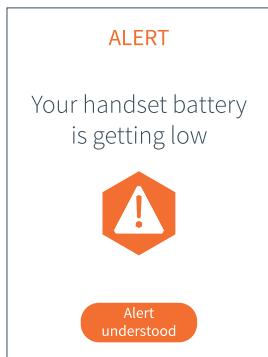
#### **WARNING**

Handset alarms will turn your handset off, but will not stop your pump. It will continue to pump and deliver all programmed insulin as planned. However, you will need to resolve the issue with your handset before you can continue using it to programme or change your insulin delivery.

## When will I get an alert?

You'll get an alert if:

- Your handset battery is getting low
- Your pump battery is getting low
- Your insulin cartridge is getting low



You should charge your handset as soon as possible. You can keep an eye on how low your handset battery is by checking your Resource Levels in System Settings.

You'll first receive this alert when you have just 25% of your handset battery remaining, then again at 10% and at 5% too.

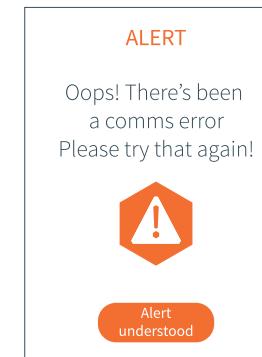
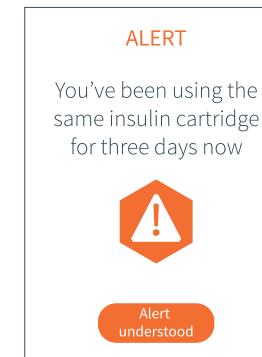
If you receive this alert, it's important to start keeping an eye on your pump battery. You'll need to make sure everything you need to replace your pump is nearby, so that if your current pump battery hits empty, you can change everything over quickly. Again, you can keep a check on how low your pump battery is by checking your Resource Levels in System Settings.

You'll first receive this alert when your pump battery has 25% of its power remaining, then again at 10% and 5% capacity.

If you have less than 50 units left in your insulin cartridge, the basal profile you're running and any boluses you deliver could empty your insulin cartridge pretty quickly. When you get this alert, you'll need to keep a close eye on your insulin cartridge levels and make sure everything you need to replace your insulin cartridge is nearby, just in case. Just like with your handset and pump batteries, you can see how full your insulin cartridge is by checking your Resource Levels in System Settings.

To keep you in the loop, you'll receive this alert when you have 50 units of insulin left in your insulin cartridge, and then again at 25 units and 5 units too.

- You've been using the same insulin cartridge for three days



Insulin cartridges can be used for up to three days before they must be replaced. Once you've received this alert, you'll have twelve hours until your insulin cartridge expires – and your infusion set too if you started using them at the same time.

We'll make sure we give you two more reminders (after 6 hours and after 10 hours), but you should replace your insulin cartridge, pump and (if it's also three days old) your infusion set as soon as possible - so make sure you keep everything you'll need to do this close by.

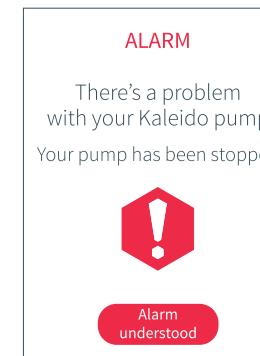
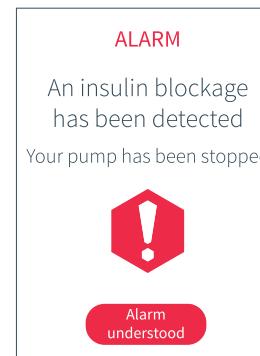
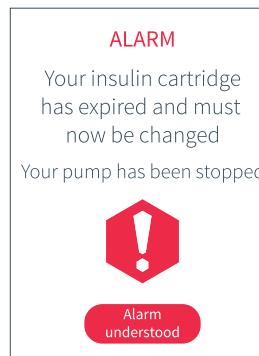
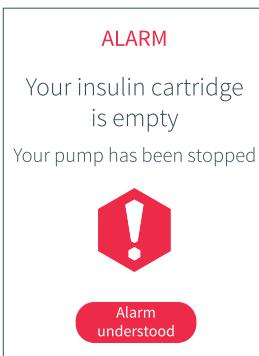
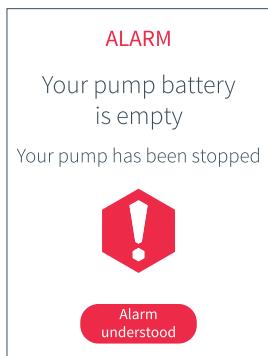
# When will I get a pump alarm?

You'll get a pump alarm if:

- Your pump battery is empty
- Your insulin cartridge is empty

- The insulin cartridge you're using has expired

- There's a problem with your Kaleido pump



You need to replace your pump straight away, swapping it for your other, fully charged Kaleido pump. It's important to charge the pump you've removed as soon as possible, so that it's ready to use when you next need it.

You've used up all of your insulin, so you'll need to remove your existing insulin cartridge and replace it with a new, filled cartridge. While you're at it, you should change your Kaleido pump, and also your infusion set if you've been using the same one for three days too.

You've been using your insulin cartridge for too long and you'll need to replace it with a new, filled cartridge before you can restart your pump. If you started using your current pump and infusion set at the same time as your old insulin cartridge, you should replace them now too.

Insulin blockages (sometimes known as occlusions) can be caused by problems with either your infusion set or insulin cartridge. Have a look to see if your insulin cartridge tubing is twisted or kinked, and if so, straighten it out. If not, you'll need to unclip your insulin cartridge connector from your infusion set and replace your infusion set and insulin cartridge before restarting your pump. If the problem persists, remove your Kaleido pump and infusion set. For now, switch to an alternative method of insulin delivery and call Kaleido Care for help.

If you receive this alarm, give Kaleido Care a call. We'll do all we can to get you back up and running quickly, but if we can't, you'll need to swap to your other Kaleido pump while we work out what's up. Can't call Kaleido Care straight away? Just switch to your other Kaleido pump and then call us when you can.

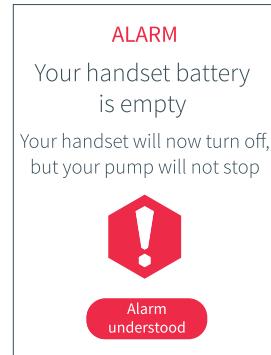
**WARNING**  
If you get an insulin blockage alarm, you may not have received all of the insulin you expected. Should this happen, make sure to check your blood glucose levels and act accordingly.

**WARNING**  
If you receive an insulin blockage alarm and can detect the cause (for example, a kink in the insulin cartridge tubing), it's important to remember that rectifying the problem to restart the flow of insulin may result in the delivery of a small and unexpected amount of insulin. To avoid this, it is therefore important to always disconnect your insulin cartridge and infusion set before releasing any insulin blockages.

## When will I get a handset alarm?

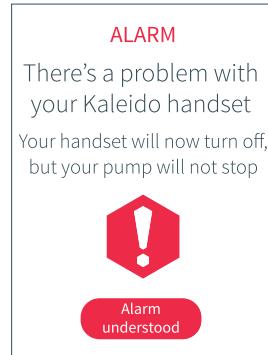
You'll get a handset alarm if:

- Your handset battery is empty



If you get this alarm, you'll need to charge your handset as soon as possible. Once your handset is charged, you'll be able to continue using it as normal. To avoid emptying your handset battery in the future, you can keep an eye on how full it is by checking your Resource Levels in System Settings.

- There's a problem with your Kaleido handset



If you receive this alarm, you'll need to give Kaleido Care a call. We'll help you work out what's happened and get you back up and running quickly. Can't call Kaleido Care straight away? Don't worry, your pump will continue delivering insulin as planned, but you should give us a call as soon as you can. In the meantime, if you don't want to use your Kaleido pump without your handset, just unclip your insulin cartridge connector from your infusion set and remove your pump (see *How do I take my pump off?*). Then, remove your insulin cartridge from your pump – this will stop your pump from pumping.

### WARNING

If your Kaleido handset battery ever becomes completely flat, causes your handset to turn off and is left uncharged for seven days or more, your handset's internal clock will automatically reset. This means it will not remember your previous time and date settings. To avoid this, charge your handset regularly. If you do allow your handset battery to empty and remain uncharged for seven days or more, make sure you check your time and date settings are correct as soon as you turn your handset back on.

## Precautions

Your Kaleido pump will let you know straight away if there's an issue that needs your attention. But in very exceptional circumstances, there may be times when your pump and handset can't detect that there's a problem.

You need knowledge to help you make decisions should a problem crop up, so you should make sure you always test your blood glucose levels at least four times a day while you're using an insulin pump. If you ever have an unexpected blood glucose level, check your Kaleido pump, handset, insulin cartridge and infusion set for signs of damage.

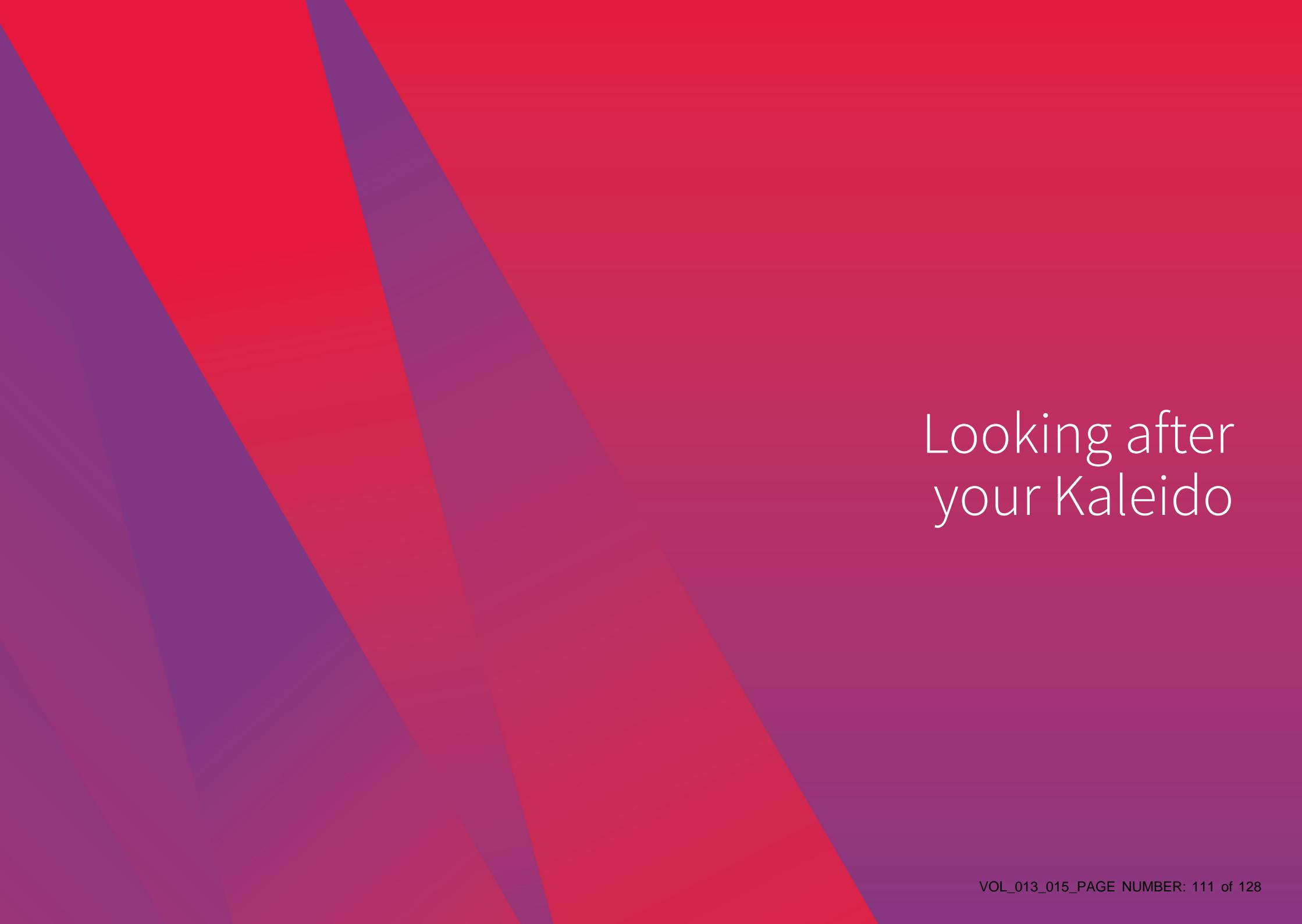
There is also always a small chance that you may have missed an alert or alarm, so it's a good idea to double-check your History too. If in doubt, keep an alternative insulin delivery system on standby, just in case, and call Kaleido Care for help. If you feel unwell or you're measuring extremely high or low blood glucose levels, always call your Healthcare Provider for advice.

### **WARNING**

If you're not sure how to react to an alert or alarm, please stop using your Kaleido pump and switch to an alternative form of insulin therapy.

### **WARNING**

It is important that you always act responsibly when administering the insulin you require and especially if you receive a pump or handset alarm or an alert while using Kaleido. If an alarm causes your pump to stop or your handset to turn off, blood glucose levels should be closely monitored while the issue is resolved and also when normal insulin delivery is resumed. Make sure you always have access to an alternative method of insulin therapy.



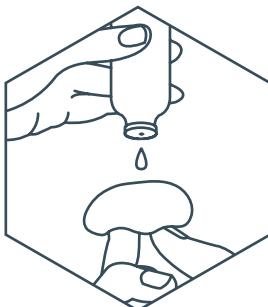
Looking after  
your Kaleido

# Looking after your Kaleido

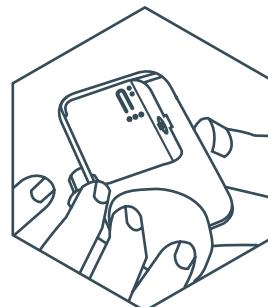
Let's be real - your Kaleido pump deserves the best! So let's make sure all of your Kaleido products stay in tiptop condition, ok? OK!

## Should I clean my Kaleido products?

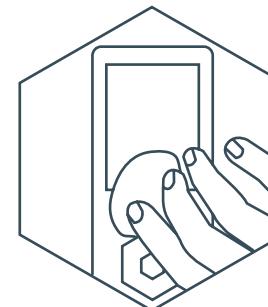
Yes! We recommend that you take five minutes to clean your Kaleido pumps, handset, charging dock and inserter at least once a week. Here's how you do it:



**STEP 1**  
Dab a little bit of pH neutral detergent onto a clean, dry cloth.



**STEP 2**  
Using your cloth, gently wipe your pumps, handset, charging dock and inserter. Remove any dirt or glue residues that might have built up thanks to your body and pump patches.



**STEP 3**  
Before you finish, make sure you've wiped away any detergent residue and then, if necessary, pat your products dry with a cloth.

**QUICK TIP**  
Most liquid soaps and baby shampoos are pH neutral!

**WARNING**  
Never wet or submerge your handset or charging dock.

**WARNING**  
Make sure your handset's micro USB port and charging dock's contact pins never come into contact with liquids.

**WARNING**  
Never attempt to clean any of your Kaleido products while they are plugged into a power source.

## How should I store my Kaleido products?

Keep your Kaleido products in a safe place where you know you'll be able to access them whenever you might need to. Your handset and pumps should be stored in the same environmental conditions that they operate in. These are:

	Minimum	Maximum
Temperature	5°C	37°C
Non-condensing humidity	15%	93%
Operational atmospheric pressure	0.7 bar	1.06 bar

As for your insulin cartridges, once you've filled them with insulin, the safest thing to do is refer to the storage advice for the insulin your Healthcare Provider has given you. However, it's important to remember that once you've filled an insulin cartridge, you should start using it as soon as possible.

### WARNING

Storing your insulin cartridges in direct sunlight or at temperatures above 37°C could affect the quality of the product.

### WARNING

Don't remove an insulin cartridge from its pouch until you're ready to start using it.

### WARNING

You shouldn't use any of the items in your Top-up Kit (including your insulin cartridges) if their individual packaging is damaged in any way. They can no longer be considered sterile and could be unsafe to use.

### WARNING

Do not store your handset or pumps alongside any hard or sharp objects. Doing so could damage the screen and buttons of your handset, as well as the contact pins of your pumps.

### WARNING

Please check all your supplies and parts for damage before you use them. If any component is damaged in any way, please contact Kaleido Care.

## What do I do if I need to dispose of my Kaleido products?

### Pumps, handset, charging dock and inserter

When it's time to dispose of your Kaleido pumps, handset, charging dock or inserter, you can return them to us at the following address and we'll take care of them for you:

ViCentra BV  
Kanaalweg 17 b2  
3526 KL Utrecht  
Netherlands



### Top-up Kit contents

The items in your Top-up Kit should only be used once and then disposed of in an appropriate way. We recommend that you always use a sharps bin.

#### QUICK TIP

Your Healthcare Provider will be able to advise you on how to dispose of medicines that you no longer need, as well as items that have been contaminated with medicine. You should also contact your local authority for advice on the proper method of disposal of biohazardous material.

#### WARNING

Never dispose of sharp objects without either using a sharps bin, or safely covering them with the appropriate protective caps.

## Where can I get replacement Kaleido products?

We'll automatically send you a brand new Top-up Kit before you use everything from your current kit. *Cool, right?* This way you shouldn't need to worry about replacing or ordering your infusion sets, insulin cartridges, pump and body patches, needles, syringes and alcohol wipes.

Of course, if you need an extra top-up, want to change what you receive, or you need to update your delivery address, just call Kaleido Care and we'll take care of it!

The Kaleido Care team will also be ready and waiting to help you if you ever need a replacement pump, handset, charging dock, connection cable or inserter.

#### WARNING

You must only use products supplied by ViCentra BV with your Kaleido pumps and handset. Using alternative parts from other suppliers could damage your pump and will invalidate your warranty.

#### WARNING

You must only use U100 insulin with your Kaleido pumps.

# FAQs



## FAQs

Now you've got your pump and handset up and running, you've set some basal profiles and know how to program a bolus with your eyes closed, it's time for Kaleido to get on with doing its thing and you to get on with doing yours!

We've racked our brains to think of any questions that might pop up, and - to save you time that you'd probably prefer to spend elsewhere - we've answered them all for you in this chapter. If you have any other queries, Kaleido Care is always here for you, and you might also want to get some advice from your Healthcare Provider.

### How often should I take a BG reading?

Checking your blood glucose levels often is the safest and most effective way to make sure your insulin delivery plan cuts the mustard. It'll help to keep you aware of any potential highs or lows before they start to get in your way.

It's important that you take a BG reading to check your blood glucose levels at least four times a day - once when you wake up, and then once again before eating your lunch, dinner and before you go to sleep. You might also want to take a BG reading about 30 minutes after delivering a bolus, before any particularly filling snacks, when your pump is paused or stopped (and when you restart it) and also after changing your insulin cartridge and infusion set. Any information that all this gives you can help you to plan your next steps.

### Can I wear my pump during exercise?

It's completely up to you! We designed your Kaleido pump to be worn during all sorts of physical activities, so keeping it on and continuing your insulin delivery should fit right in. It could make controlling your BGs during exercise a bit easier too! But if you feel more comfortable taking your pump off, no worries! Just pause your pump and put it somewhere safe. When you've finished your exercise, take a BG reading, put your pump back on and unpause it.

#### WARNING

If you notice that your blood glucose levels are high or that you need more insulin than is normal or expected, it could mean that the insulin cartridge and infusion set you are using may be damaged. You should change your insulin cartridge and infusion set as soon as you can, and then check your blood glucose levels regularly. You might also want to consult your Healthcare Provider.

#### QUICK TIP

Some sports and exercises can be pretty energetic – we designed your Kaleido products with real life in mind, but we recommend never putting them – or you! – at unnecessary risk.

#### QUICK TIP

If you remove your pump for any length of time, the most important thing to remember is to check your blood glucose levels more frequently. This can help you to avoid any unexpected changes and can come in handy with catching any highs or lows early too.

#### WARNING

You should always talk to your Healthcare Provider for advice on exercising and new exercise regimes.

## What about water? Can I wear my pump if I go swimming? Or if I'm in the bath?

Yes and no. A little dip? No sweat! But your Kaleido pump can't function in water deeper than 1 metre. If you're planning on swimming or diving deeper than that, you'll need to pause and remove your pump first.

About to jump into a bath or shower? The water depth shouldn't be a problem, but you will need to keep an eye on the water temperature. We advise that you pause and remove your pump first, rather than expose it (and your insulin!) to high temperatures.

One more thing to remember – being in the water might mean you'll miss any alerts or alarms that your pump might give out, so just be careful and keep this in mind while you swim or bathe.

## What about high altitudes?

In normal temperatures, your Kaleido pump can operate at altitudes of up to 3048 metres (that's 10,000 ft). However, extreme altitude, temperatures or atmospheric conditions may affect your pump's performance, so keep this in mind, take care and always have other means of insulin therapy with you when doing any activities at extreme altitudes or temperatures.

*Oh, and send us a photo while you're up there!*

### **WARNING**

Your pump is not suitable for use while scuba diving or when using high diving boards.

### **WARNING**

Your pump is not suitable for use in hot tubs – extreme temperatures can adversely affect your insulin.

### **WARNING**

If your pump has been dropped, make sure you examine it carefully for cracks or signs of damage before you take part in any water-based activities.

### **WARNING**

Never expose your Kaleido handset or charging dock to water.

## I need a holiday! Can I wear my pump on aeroplanes?

Yes, you can! Aeroplane cabins are pressurised, so your pump will continue to deliver your insulin while you're up in the air – no trouble. Most airlines will ask you turn your electronic appliances off during take-off and landing, but Kaleido uses a low energy wireless connection to connect your pump to your handset, so you shouldn't have any issues at all – in fact, most airlines won't even bat an eyelid. Airline restrictions can change over time though, so you might want to contact your airline in advance to check their specific guidelines.

Airport security checks can sometimes be a bit more tricky. But don't worry - if you're prepared, they can be hassle-free. It's a good idea to ask your Healthcare Provider for a letter to confirm that you're wearing your Kaleido and carrying insulin for medical purposes. When it's time to go through the security scanners, the scanners won't cause your pump or handset any damage, though you might want to pause and remove your pump and send it through the hand luggage scanner instead – but that's completely up to you. Again, this is something that you can have a chat to your airline about in advance if you want to.

When you travel, it pays to be prepared, so make sure you take plenty of supplies with you, as well as another form of insulin therapy, just in case.

### **WARNING**

If you travel to a different time zone, the time and date on your handset will NOT automatically update. Always ensure that you change the time and date on your handset to account for the difference in time zones. Get in touch with your Healthcare Provider for advice on when and how to go about making these adjustments.

### **WARNING**

Please consult your Healthcare Provider for more information about insulin therapy when travelling.

## Would you rather fight one horse-sized duck or a hundred duck-sized horses?

Hmm, you've got us there... we're gonna need some time to think that through!

# Technical information

# Technical information

So here's the science bit...

## System overview

We designed the products in your Starter Kit and Top-up Kit to be used together in perfect harmony. You'll need items from both of these kits to use your Kaleido pumps.

The products team up to provide you with a system that is capable of delivering pre-programmed basal rates and boluses. Your insulin travels from your insulin cartridge to your infusion set via a small pump working with two check valves. These two check valves separate you from your insulin, so if anything stops working, the insulin in your insulin cartridge will remain there.

Your Kaleido is designed to be safe to use, but if you break or damage any of your Kaleido-supplied products it's important that you remove your pump and insulin cartridge straight away, stop using your Kaleido system and contact Kaleido Care for help.

We've tried our best to make life with Kaleido blend seamlessly with life in the real world, and sometimes, real life means splashing around (*or, on more troublesome days, dropping your pump in the bath or down the loo!*), so your Kaleido pumps can be immersed in water up to 1m deep for up to an hour.

Your handset, charging dock, connection cable and plug adaptor aren't waterproof - a little cleaning fluid is fine, but otherwise please make sure you keep these products safe and dry.

Other than cleaning and charging your pumps and handset, there are no serviceable parts to your Kaleido system.

## Technical specifications

Prepare to be wowed!

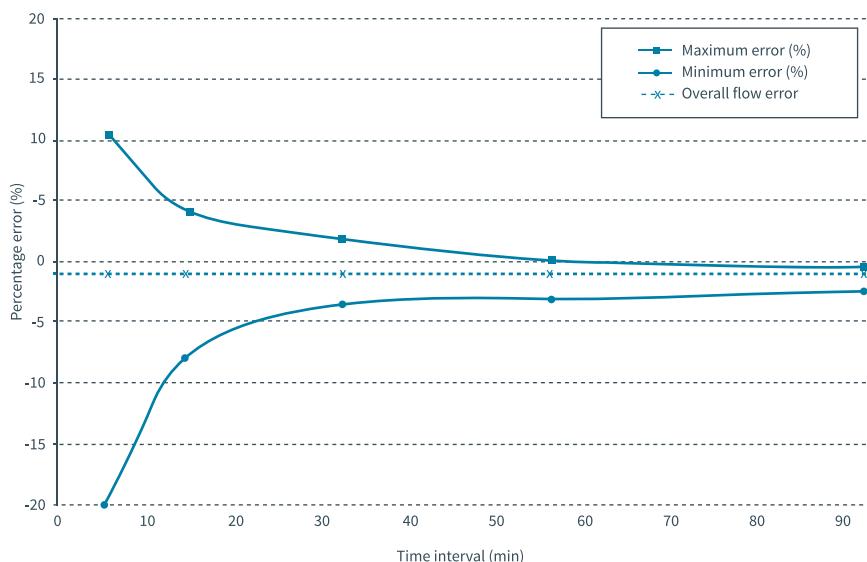
Here's what your Kaleido is capable of:

Specification	Description
Operational temperature range	5 - 37°C
Operational humidity range	15 - 93% RH non-condensing
Operational pressure range	0.7 - 1.06 bar
Dimensions	Pump: 12.5 mm x 50 mm x 35 mm Handset: 9 mm x 107 mm x 50 mm Charging dock: 15 mm x 60 mm x 70 mm
Weight	Pump: 19 g Handset: 60 g Charging dock: 13 g
Ingress protection	Pump: IP68 (dustproof and waterproof up to 1m for up to 1 hour) Handset: Keep dry Charging dock: Keep dry
Batteries	Pump: 260 mAh rechargeable lithium polymer Handset: 550 mAh rechargeable lithium polymer
Battery life	Pump: Over 3 days on a full charge Handset: Approximately 2 days at typical usage on a full charge
Service life	Pump: 4 years' use Handset: 4 years' use
Alarm volume	> 50 dB
Wireless radio	Bluetooth® Low Energy Class 3 transmitter with a peak power of 1 mW
Wireless frequency	2.4 GHz
Delivery accuracy	±5% in all operating conditions
Maximum infusion pressure at occlusion	1 bar
Maximum time to occlusion alarm	30 minutes at a basal rate of 2 U/hr 20 hours at a basal rate of 0.05 U/hr
Bolus volume generated at occlusion	< 0.5 U
Maximum delivery under single fault condition	0.05 U
Charger power input	100 - 240 V ac, 50/60 Hz
Charger power output	5V dc
System memory	The system memory is retained for 30 days following switch off
Administration sets were used for all tests performed under EN60601-2-24	Kaleido insulin cartridge (long)

Impressive, huh?

## Pump accuracy

Typical insulin delivery accuracy for the Kaleido pump.  
Tested according to IEC 60601-2-24 at a basal rate of 1 U/hr,  
showing an overall error of -1.0%.



### WARNING

The accuracy of your system is dependent upon it being used correctly and in accordance with your training and the instructions for use provided in the Kaleido Guidebook.

## Symbols

Any symbols we've used on your Kaleido products and their labelling are intended to be internationally recognised, but just in case you don't know what they mean, here's the full rundown:



Conformité Européenne  
(meaning 'European Conformity' and notified body number)



Details of the manufacturer



Date of manufacture



Use by date



Lot number or batch number



Model or part number



Serial number



Follow the operating instructions



Sterilised using ethylene oxide



Sterilised using irradiation



Single use - do not re-use



Do not use if the packaging is damaged



BF applied part



Warning or precautions to take



Radio communication



WEEE waste disposal



Keep dry



DC supply

## Guidance and Manufacturer's Declaration – Electromagnetic Emissions

Kaleido is intended for use in the electromagnetic environment specified below. Any customer or user of the Kaleido system should ensure that it is only used in conditions such as these.

Emissions test	Compliance level	Electromagnetic environment — guidance
RF Emissions CISPR 11	Group 2	The Kaleido system MUST emit electromagnetic energy in order to perform its intended function. Nearby electronic equipment may be affected.
RF emissions CISPR 11	Class B	The Kaleido system is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class B	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Complies	

## Guidance and Manufacturer's Declaration – Electromagnetic Immunity

Kaleido is intended for use in the electromagnetic environment specified below. Any customer or user of the Kaleido system should ensure that it is only used in conditions such as these.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment — guidance
Electrostatic discharge (ESD) IEC 61000-4-2	8 kV contact 15 kV air	8 kV contact 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output lines	± 2 kV for power supply lines ± 1 kV for input/output lines	Kaleido is suitable for use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Surge IEC 61000-4-5	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	Kaleido is suitable for use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % $U_T$ (>95 % dip in $U_T$ ) for 0,5 cycle 40 % $U_T$ (80 % dip in $U_T$ ) for 5 cycles 70% $U_T$ (30 % dip in $U_T$ ) for 25 cycles <5 % $U_T$ (>95 % dip in $U_T$ ) for 5s		Kaleido is suitable for use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	0.3 A/m	If wireless communications are adversely affected by electromagnetic interference, move the handset and pump closer together or move to a different location.

NOTE:  $U_T$  is the a.c. mains voltage prior to application of the test level.

# Guidance and Manufacturer's Declaration – Electromagnetic Immunity

Kaleido is intended for use in the electromagnetic environment specified below. Any customer or user of the Kaleido system should ensure that it is only used in conditions such as these.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment — guidance
			Portable and mobile RF communications equipment should be used no closer to any part of the Kaleido system including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	Not applicable	Recommended separation distance: Not applicable
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	10 V/m	Recommended separation distance: $d = 0.35 \sqrt{P}$ 80 MHz to 800 MHz $d = 0.7 \sqrt{P}$ 800 MHz to 2.5 GHz  Where $P$ is the maximum output power rating of the transmitter in watts ( $W$ ) according to the transmitter manufacturer and $d$ is the recommended separation distance in metres ( $m$ ).  Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey <sup>a</sup> , should be less than the compliance level in each frequency range <sup>b</sup> .  Interference may occur in the vicinity of equipment marked with the following symbol: 

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption.

<sup>a</sup> Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio. AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Kaleido system is used exceeds the applicable RF compliance level above, the Kaleido system should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Kaleido system.

<sup>b</sup> Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

# Recommended separation distances between portable and mobile RF communications equipment and Kaleido

Kaleido is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or user of the Kaleido system can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and their Kaleido system, as recommended below according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter in W	Separation distance according to frequency of transmitter in m		
	150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.5 GHz
0.01	$d = 1.17 \sqrt{P}$	$d = 0.35 \sqrt{P}$	$d = 0.7 \sqrt{P}$
0.1	0.12	0.04	0.07
1	0.37	0.11	0.22
10	1.17	0.35	0.70
100	3.70	1.11	2.21
	11.70	3.50	7.00

For transmitters rated at a maximum output power not listed above, the recommended separation distance  $d$  in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where  $P$  is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

## Declarations and statements

Hereby, ViCentra BV declares that this insulin infusion pump is in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC. Please contact the manufacturer, ViCentra BV, if you would like a copy of the declaration of conformity.

Medical electrical equipment needs special precautions regarding EMC and needs to be put into service according to the EMC information provided in the accompanying documents.

Kaleido contains a radio transmitter and receiver intended to be worn on your body. It is designed not to exceed the limits for exposure to radio waves (radio frequency electromagnetic fields) recommended by the international commission on non-ionising radiation protection (ICNIRP). These limits include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The radio wave exposure guidelines use a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit for a body worn mobile device is 2 W/kg. Kaleido uses a low powered standard technology for radio communication operating in the frequency band from 2.402 to 2.48 GHz. Due to the very low output power (typically 0.35 mW), the radio wave exposure from Kaleido is far below the established limits.

Other radio equipment may interfere with your Kaleido system, even if that other equipment complies with CISPR emission requirements. Radio devices should be kept at least  $d$  (as calculated in the tables) away from Kaleido.

Each of your Kaleido products has a unique serial number which helps us identify important information like when it was made. For your Kaleido pumps and handset, this information also includes details of the version of Kaleido software your products run on. This information is securely held for you by ViCentra.

## Declarations and statements

Here are a few final reminders:

### **WARNING**

Using accessories that have not been supplied by ViCentra BV as part of your Kaleido system may result in increased emissions or decreased immunity. Using alternative parts and accessories from other suppliers could also damage your pump and will invalidate your warranty.

### **WARNING**

Your USB cable could pose a strangulation risk. Do not place this near or around a person's neck and keep out of reach of children.

### **WARNING**

Do not make any modifications to your Kaleido products. Attempting to modify Kaleido products will invalidate your warranty and could cause harm.

### **WARNING**

Do not use your pump or handset near a magnetic field. If you do, your pump and handset could be damaged. This includes any storage with magnetic clasps, MRI, X-ray and CT scanners. You should pause or stop your pump, remove it from your body and store it safely if you need to enter areas containing any of these devices.

### **WARNING**

Do not use your pump when there are flammable gases present.

### **WARNING**

If you lose or break your Kaleido pump or handset, remove the system from your body immediately and use an alternative form of therapy until you have received a new pump or handset, or your pump or handset has been found or repaired.

## How to contact Kaleido's manufacturer



Manufacturer: ViCentra BV  
Address: Kanaalweg 17 b2  
3526 KL Utrecht  
Netherlands  
Telephone: +31 (0) 88 3232 871  
Email: Kaleido@ViCentra.com  
Website: www.ViCentra.com

## Issue date of your Kaleido Guidebook

Issued: 14th March 2017

## Trademark information

Kaleido®, Kaleido Care® and ViCentra® are registered trademarks of ViCentra BV

The *Bluetooth*® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by ViCentra BV is under license. Other trademarks and trade names are those of their respective owners.

Humalog® is a registered trademark of Eli Lilly and Company.

NovoRapid® is a registered trademark of Novo Nordisk A/S.

## Can I use Kaleido?

We hope so! To use Kaleido, you'll need to:

- Have insulin-dependent diabetes
- Be willing to learn about and maintain good self-management of your diabetes
- Be able to participate in insulin pump training and keep in regular contact with your Healthcare Provider
- Be able to understand and use insulin doses correctly
- Be able to understand and perform all of the instructions provided by Kaleido
- Be willing to use Kaleido products according to the provided instructions
- Have hearing and vision that's good enough to allow you to hear Kaleido's alerts and alarms and read the Kaleido handset screen
- Commit to performing at least four BG tests every day

Unfortunately, if you're not able to satisfy all of these requirements, then Kaleido isn't quite right for you - we're really sorry about that!

Kaleido is designed for continuous subcutaneous delivery of insulin for the management of diabetes mellitus in people who require insulin.

## Additional supplies

We know that nobody likes to be weighed down with bags full of stuff, but it's really important that you always carry everything you need to monitor your blood glucose levels, as well as an alternative way to give yourself insulin, just in case something happens to your Kaleido.

You should keep all these items with you and let your friends, family and anyone else that you spend lots of time with (perhaps your teacher or the people you work with) know where you keep it.

Here's what your kit should include:

- A spare Kaleido insulin cartridge and charged Kaleido pump
- Your Kaleido connection cable and power adaptor, so that you can charge your handset if you need to
- Your favourite hypo treatment
- BG test strips and your BG meter
- A lancing device and lancets
- Ketone monitoring supplies
- Rapid-acting insulin and an injection device with needles (your Healthcare Provider will be able to help you with dosing instructions)

# Warranty

## Hardware Warranty

In addition to the user's rights under applicable mandatory law ViCentra® B.V. ("ViCentra®") warrants the Kaleido® Hardware against defects in materials and workmanship for the period of 4 (four) years from the original date of shipment of the Hardware to the original end user (the "Warranty Period"). During the Warranty Period, ViCentra® will replace any defective Kaleido® Hardware, subject to the conditions and exclusions stated herein.

Throughout this warranty the words "Kaleido® Hardware" shall comprise a Kaleido® insulin pump, a Kaleido® handset, a Kaleido® infusion set inserter, a Kaleido® insulin pump charging dock, a Kaleido connection cable and a Kaleido® plug adaptor as supplied in the Kaleido® Starter Kit. The term "Hardware" shall mean one or more items of Kaleido® Hardware.

If, during the warranty period, the Hardware should fail because of a defect in material or workmanship, the faulty item may be returned to ViCentra® and ViCentra® will, at its discretion, either repair or replace the same Hardware with a new or recertified Hardware, at ViCentra®'s option, without charge to the end user. In certain circumstances and at its sole discretion, ViCentra® may instead elect to refund all or a portion of the purchase price of the Hardware to the end user.

Freight and transportation charges, where applicable, incurred in shipping Hardware to be repaired or replaced under this limited warranty will be paid by ViCentra®. In the event Hardware is replaced or repaired under this warranty, the Warranty Period shall not be extended. In the event ViCentra® elects to provide replacement Hardware prior to receipt of the original Hardware, you must return your original Hardware to ViCentra® upon receiving the replacement Hardware. In the event it is not returned, this warranty shall be void and the user will not be entitled to future Hardware replacement or repairs.

**The warranty is valid only if Kaleido® Hardware is used in accordance with ViCentra® instructions and will not apply to the following:**

- damage resulting from changes or modifications made to the Kaleido® Hardware by the user or third persons after the date of manufacture;
- use with other than approved software and modifications to the Kaleido® software;
- damage results from service or repairs performed to any part of the Kaleido® Hardware by any person or entity other than ViCentra® and its authorised representatives;
- if a non-Kaleido® insulin cartridge is used with the Kaleido® Hardware;
- if a non-Kaleido® infusion set is used with the Kaleido® Hardware;
- damage results from a force majeure or other event beyond the reasonable control of ViCentra®;

- damage results from negligence or improper use, including but not limited to improper storage, physical abuse or use outside the ranges specified in the technical data such as excess altitude or humidity; or
- cosmetic damage or 'wear and tear' including but not limited to scratches not effecting functionality.

This limited warranty extends only to the original end user and is not transferable. Any sale, rental or other transfer or use of the Kaleido® Hardware covered by this warranty to or by a user other than the original end user shall cause this warranty to immediately terminate. This warranty only applies to the Kaleido® Hardware as defined above and not to other products or accessories.

The remedies provided for in this warranty are the exclusive remedies available in the event of any breach hereof. Except for such remedies, ViCentra®, its suppliers, and its distributors shall not, to the extent permitted by law, be liable for any losses, liabilities, claims, or damages of any kind or nature whatsoever, including, without limitation, any indirect, consequential, incidental, or special damages caused by or arising from a defect of the Hardware.

Save as expressly set forth in this limited warranty, all other warranties, expressed or implied, are excluded, including the warranties of merchantability and fitness for a particular purpose.

## Infusion set & insulin cartridge Warranty

In addition to the user's rights under applicable mandatory law ViCentra® B.V. ("ViCentra®") warrants the Kaleido® insulin cartridge and infusion set against defects in materials and workmanship for the period 3 (three) days after the individual insulin cartridge/infusion set sterile packaging has been opened, not to exceed 6 (six) months from the original date of shipment of the insulin cartridge or infusion set to the original end user (the "Warranty Period"). During the Warranty Period, ViCentra® will replace any defective Kaleido® insulin cartridge or infusion set, subject to the conditions and exclusions stated herein.

**The warranty is valid only if the insulin cartridges and infusion sets are used in accordance with the ViCentra® instructions and will not apply:**

- if the insulin cartridge or infusion set has been used for more than a single-time use by a single end-user;
- if damage results during the improper opening of the sterile package not in conformance with the procedures outlined in the associated instructions for use;
- if the sterile package is compromised while in the control of the user by any means other than purposeful opening by the user at the time of intended product use;
- if damage results from changes or modifications made to the insulin cartridge or infusion set by the user or third persons after the date of manufacture;

- if a non-Kaleido® infusion set inserter is used with the Kaleido® infusion set and insulin cartridge
- If damage results from service or repairs performed to any part of the insulin cartridge or infusion set by any person or entity other than ViCentra®;
- if damage is caused by use of the insulin cartridge or infusion set with any non-Kaleido® insulin pump;
- if damage results from a force majeure or other event beyond the control of ViCentra®; or
- if damage results from negligence or improper use, including but not limited to improper storage or physical abuse such as dropping or otherwise.

This limited warranty extends only to the original end user and is not transferable. Any sale, rental or other transfer or use of the Kaleido® insulin cartridges and infusion sets covered by this warranty to or by a user other than the original end user shall cause this warranty to immediately terminate. This warranty only applies to the Kaleido® insulin cartridges and infusion sets as defined above and not to other products or accessories.

**The remedies provided for in this warranty are the exclusive remedies available in the event of any breach hereof. Except for such remedies, ViCentra®, its suppliers, and its distributors shall not, to the extent permitted by law, be liable for any losses, liabilities, claims, or damages of any kind or nature whatsoever, including, without limitation, any indirect, consequential, incidental, or special damages caused by or arising from a defect of the insulin cartridges or infusion sets.**

**Save as expressly set forth in this limited warranty, all other warranties, expressed or implied, are excluded, including the warranties of merchantability and fitness for a particular purpose.**

## Consumables Warranty

In addition to the user's rights under applicable mandatory law ViCentra® B.V. ("ViCentra®") warrants the Kaleido® Consumables against defects in materials and workmanship for the period of 6 (six) months from the original date of shipment of the Consumables to the original end user (the "Warranty Period"). During the Warranty Period, ViCentra® will replace any defective Kaleido® Consumables, subject to the conditions and exclusions stated herein.

Throughout this warranty the words "Kaleido® Consumables" shall include syringes, needles, body patches, pump patches and alcohol wipes supplied by ViCentra®.

If a defect exists, ViCentra®, at its option and to the extent permitted by law will either:

- 1) repair the product at no charge using new or refurbished parts;
- 2) exchange the product with a functionally equivalent product that is new or refurbished; or
- 3) refund the original purchase price.

This warranty is available only to the original end user and excludes damage resulting from abuse, accident, modifications or other causes that are not defects in materials and workmanship.

The remedies provided for in this warranty are the exclusive remedies available in the event of any breach hereof. Except for such remedies, ViCentra®, its suppliers, and its distributors shall not, to the extent permitted by law, be liable for any losses, liabilities, claims, or damages of any kind or nature whatsoever, including, without limitation, any indirect, consequential, incidental, or special damages caused by or arising from a defect of the consumables.

Save as expressly set forth in this limited warranty, all other warranties, expressed or implied, are excluded, including the warranties of merchantability and fitness for a particular purpose.

**This warranty applies in the U.K. and Netherlands.**



