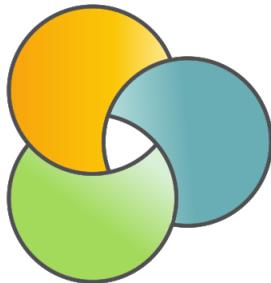
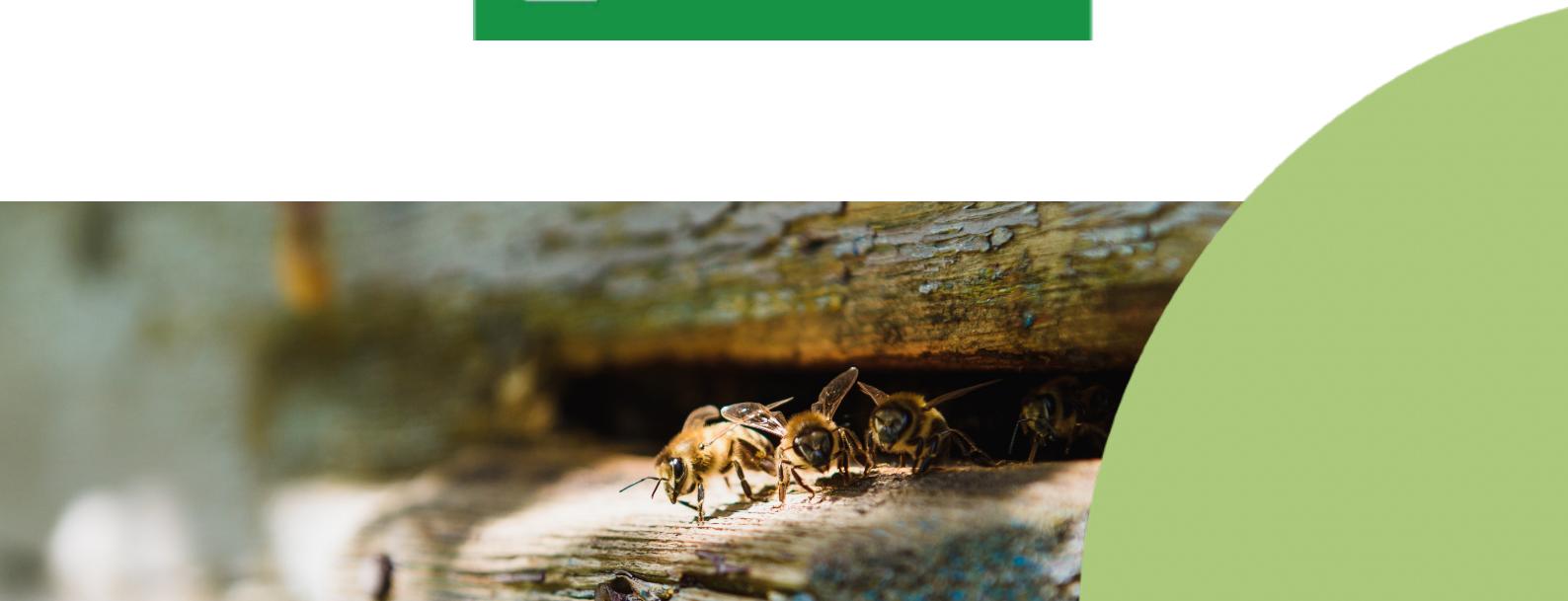


QUICK START GUIDE



mellisphera
PRECISION BEEKEEPING

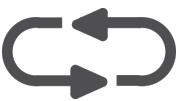
&





Follow the steps

-  1. Create your account
-  2. Assign your sensors
-  3. Install the application
-  4. Turn on your sensors

-  5. Make your first sync
-  6. Install your sensors
-  7. Refresh your start date
-  8. View and explore

WARNING ! Good practices :

- **Identify your hives**

1, 2, 3, A, B, C, Asterix, Obelix, Idefix : do what it takes to identify your hives, it will be much better.

- **Prepare everything AT HOME**

Make sure the system is functional before installing it in the apiary, then it will be less easy to set up.

- **Follow the steps one by one**

By following the steps in this guide one by one and doing what is advised, there will be no worries.

Need help ?

doc.mellisphera.com

support@mellisphera.com

Set up the system

AT HOME 



Step 1: Create your account

Go to MyBroodminder.com, create your account. Then create your virtual hives and apiaries.

The screenshot shows the homepage of MyBroodminder.com. On the left, there's a sidebar with links to Home, Mellisphera, Apiaries, Devices, Orange, Greenbees, Missouri Hive, Peas, Garage Long Term, Hay, and Walnut Barn 2019. Below these are Configure and Membership Options. The main content area has a "Resources" section with a message about joining the BroodMinder movement and a video player titled "Broodminder Introduction". The video shows a yellow beehive in a garden. To the right, there's a "Links" column with links to Video User Guides, Written User Guide (PDF), BeeCounted, Support, and Premium Features.

Step 2 : Assign your sensors to your hives

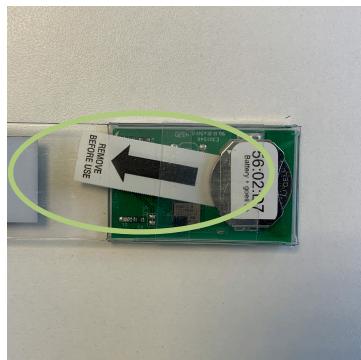
Log into your MyBroodminder.com account, choose Configure > Devices > Assign devices to hive location.

The screenshot shows the 'Configure' page under 'Devices'. It has sections for 'Apriaries' and 'Hives'. The 'Devices' section includes a 'Filter' bar with 'Add Device' and 'Download Devices' buttons. A table lists four devices: 42:08:54, 42:08:5C, 43:E0:17, and A4:E3:FB. Each row shows the device name, address, current location (e.g., 'Promised Land > North > Above Upper Brood Box'), date last received, edit, location history, and delete buttons.

Device Name	Device Address	Current Location	Date Last Received	Edit	Location History	Delete
42:08:54	42:08:54	Promised Land > North > Above Upper Brood Box	Thu 09/03/2020 6:50 AM			
42:08:5C	42:08:5C	Promised Land > South > Above Lower Brood Box	Tue 09/29/2020 2:30 PM			
43:E0:17	43:E0:17	Promised Land > North > Scale Under Hive (Back)	Sun 03/08/2020 2:30 PM			
A4:E3:FB	A4:E3:FB	Promised Land > South > Scale Under Hive	Tue 09/29/2020 2:30 PM			



Step 3 : Turn on your sensors



T2 Sensor

Press the button
5 sec. T2 will blink
15 sec.

TH & W Sensors

Pull battery tab. Sensors will blink 15 sec.

Step 4 : Install the application Broodminder Apiary

In the AppStore or PlayStore of your smartphone, look for the application "BroodMinder Apiary". Download it.



PlayStore



AppStore





Step 5 : Make your first sync

With Broodminder Apiary application:

- Enter your username and password (the same as in step 1)
- Wait for your sensors IDs to show on list. All the sensors you turned on in step 3 should appear.
- In the settings, click on "Display in metric" to get data in c° and kg.
- Click on each sensor and press "Sync Device to broodminder.com" to make your first sync.



On MyBroodminder.com:

- Make sure the data are uploaded. Go to Configure > Devices > look at the "last received data" column.
- If the date and time match the one of your first synchronization, everything works.

Capteurs					
Filter	Ajouter capteur	Télécharger capteurs			
Nom du capteur	Référence du capteur	Emplacement actuel	Dernières données reçues	Modifier	Historique emplacements
Temperature 1	101000001	Grenier à miel - Généralisation des données - 10000000000000000000000000000000	mar. 11/05/2021 20:27		
Temperature 2	101000002	Grenier à miel - Généralisation des données - 10000000000000000000000000000000	sam. 17/04/2021 21:21		
Humidité 1	101000003	Grenier à miel - Généralisation des données - 10000000000000000000000000000000	mar. 11/05/2021 20:28		
Humidité 2	101000004	Grenier à miel - Généralisation des données - 10000000000000000000000000000000	mar. 11/05/2021 21:18		
CO2 Généralisation	101000005	Grenier à miel - Généralisation des données - 10000000000000000000000000000000	mar. 11/05/2021 20:52		
CO2 Génération	101000006	Grenier à miel - Généralisation des données - 10000000000000000000000000000000	mar. 11/05/2021 20:52		

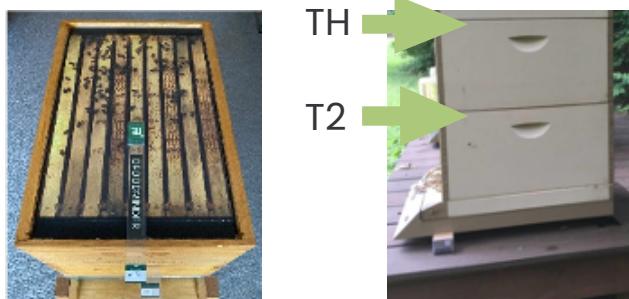
If you have a hub, before continuing, see appendix "hub/home configuration".



System installation

IN THE APIARY 

Step 6 : Install your sensors in the apiary



Place the T2 or the TH on the middle frame. The T2 must be above the lower brood box. The TH must be above the upper brood box.



Place the W-scale at the front or back of the hive with a wedge on the opposite side. Make sure that the hive is levelled as well as possible.

For more details about the location of the sensors, you can go to:
doc.mellisphera.com

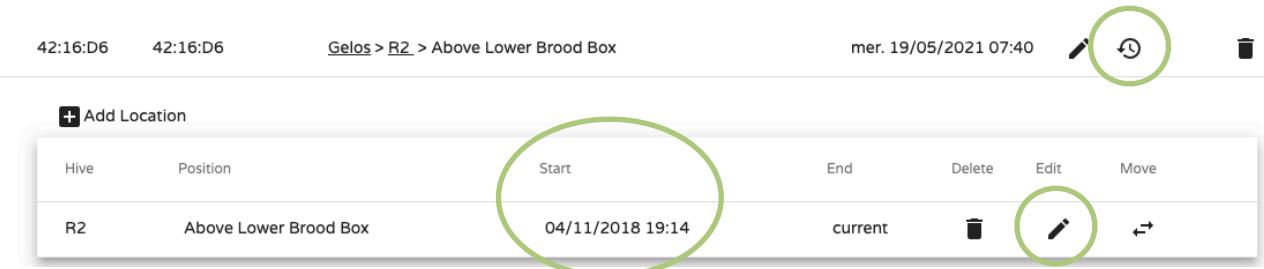
As you did in the previous step, synchronize your sensors, this time at the apiary.

If you have a hub, see appendix « hub/installation ».

Step 7 : Refresh the start dates for the assignment of sensors to hives

To avoid measurements outside the hive, change the start date of the sensors assignment.

Go to MyBroodminder.com, choose Configure > Devices > click on the tab "location history" > Edit. Change the time and/or the start date.



Hive	Position	Start	End	Delete	Edit	Move
R2	Above Lower Brood Box	04/11/2018 19:14	current			

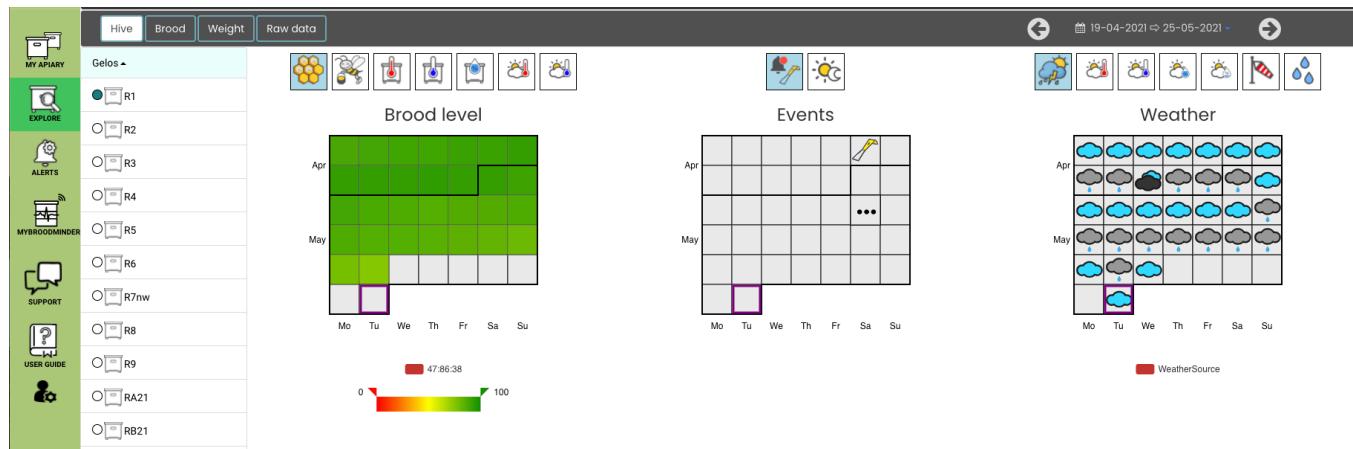


Step 8 : View and explore your data

Back home, you can start visualizing your data.

Analyze your raw data in Broodminder or refined data in Mellisphera.

To visit Mellisphera application, click on 'Mellisphera' tab. Enter the same credentials as your Broodminder account.



To get back to MyBroodminder, click on the 'MyBroodminder' tab.

Dive into the applications to familiarize yourself with it and explore all the features. You can also visit our YouTube channel "Mellisphera", where you will find some demos, tour of the application etc.

You are done! 🎉
Get some deserved rest!

Appendix

Set-up and installation of the Hub



Set-up at home

- Install the application « BroodMinder Cell »

In the AppStore or PlayStore of your smartphone, look for the application "BroodMinder Cell". Download it.

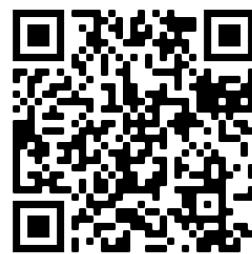


BroodMinder Cell

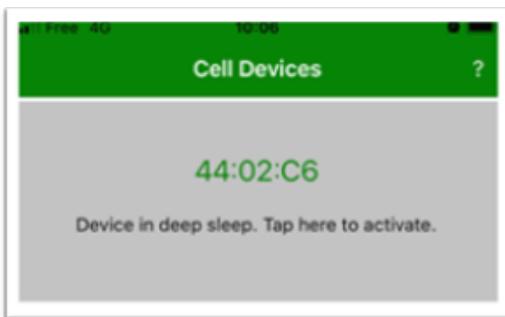
PlayStore



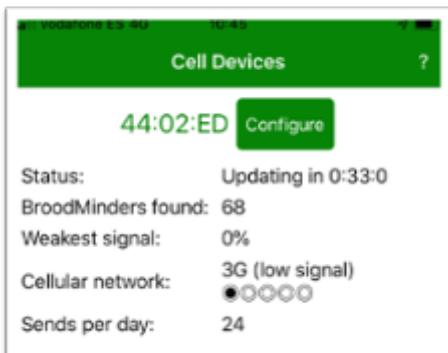
AppStore



- Take the Hub out of "Deep Sleep" mode



Do not open the hub, it is ready to use. Once you see your Hub appear in the app, click on it to take it out of deep sleep mode.



Wait for it to connect to the 3G network. Check that it finds all your sensors. When it looks like this, it works.



- Assign your hub to your apiary

On MyBroodminder.com, go to Configure > Hubs > in the "Manage" column, click on the pencil and assign your hub to the correct apiary.

- Verify that the hub is transmitting data

Still in MyBroodminder.com, in the same place as before, look this time at the "last reading" column and check that the date and time correspond to the moment when your hub was switched on.

Installation at the apiary

Install your Hub at an equal distance from all your sensors (if possible). You can mount it on a pole or lay it flat on the roof of a hive.



No need to sync your sensor data by hand, your hub takes care of that. Now you can explore your data remotely.