

PELCAS



Model:V2

English

USE MANUAL

PELCAS Microneedle Instruction Manual

We recommend using 12/36-pin cartridges 1-2 times per month, depending on the depth of the needles used. Round Nano cartridges you can use 1-2 times per week. Given the individual characteristics of the skin of each person, before the first home microneedling procedure, we recommend getting a doctor's aesthetics consultation (the best way) because only you know your skin condition and the using area, and you need to adapt the treatment process to your skin type. Please get more information about microneedling before using our device!

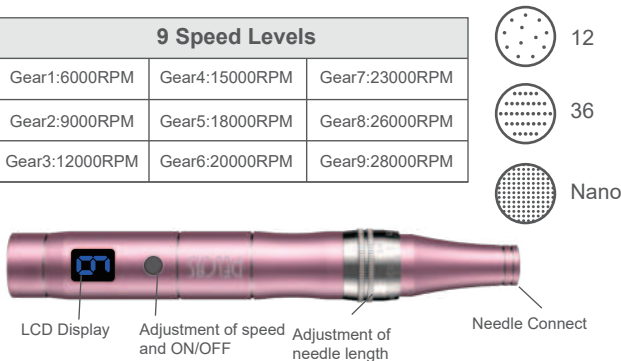
HOW TO OPERATE

Microneedle Device Operation

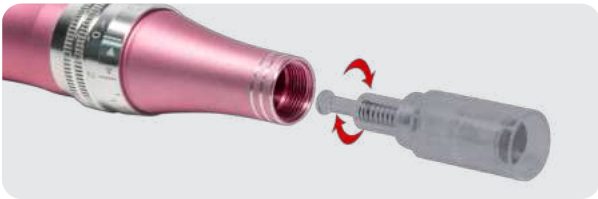
- a.Long press the button to start/shut down,the default is 1 gear when booting,and short press the button to adjust the gear (1-9 gear).Press twice to show/change colors (7 colors). Press three times to display the power level. Then it circles in turn for each single click.
- b.This device comes with a Type-C cable,please use the Type-C cable to charge.
- C. The product has a memory mode that retains the last function used the next time it is switched on.

7 Adjustable Colors	
Red Light	Can penetrate deep skin, promote cell regeneration, stimulate collagen production, reduce the appearance of fine lines and wrinkles, and anti-aging.
Blue Light	Has antibacterial and anti-inflammatory effects, suitable for acne treatment.Soothes sensitive skin and reduces redness and itching sensation.
Purple Light	Helps reduce discoloration and acne marks. Brightens skin tone and enhances skin radiance. Promotes blood circulation and improves uneven skin color.
Green Light	Has a clear effect on sedation, soothing, and purifying, helping to speed up the healing of the minimally invasive skin.
Yellow Light	Promotes lymphatic circulation and eliminates toxins. Boosts skin immunity and helps in anti-aging. Relieves skin swelling and puffiness.
Clear Blue Light	Can gradually enhance cell energy, to have a good metabolism-facilitating role.
Laser light	Penetrate the skin deep, accelerate active tissue metabolism, decompose color Spots, and improve the appearance of fine lines and sagging skin.

9 Speed Levels		
Gear1:6000RPM	Gear4:15000RPM	Gear7:23000RPM
Gear2:9000RPM	Gear5:18000RPM	Gear8:26000RPM
Gear3:12000RPM	Gear6:20000RPM	Gear9:28000RPM



- c. Take out the disposable needle cartridge from the sterilized package, and be careful not to touch the needle with your fingers. If the needle drops, discard it and do not use it.
- d. Screw clockwise the sterilized cartridge into the hole and attach it to the microneedle device.



- e. Rotate the metal ring to adjust the depth of the cartridge needle. The numbers etched on the metal ring corresponding to the depth of the needle. (Except for nano cartridge).
- f. After turning on the machine, adjust the needle depth you need .
- g. After use, remove the cartridge by screwing counterclockwise.

HOW TO CHOOSE THE DEPTH OF THE NEEDLE

Choose the necessary penetration depth according to the skin area and aesthetic problem.

Region	Needle Depth (Millimeters)
Forehead	0.25-0.5 mm
Between eyebrows	0.25-0.5 mm
Nose	0.25 mm
Eye area	0.25 mm
Cheek Bone	0.5 mm
Cheek and Chin	0.5-1.0 mm
Upper Lip	0.25 mm
Facial Scarring	1.0-1.25 mm
Stretch Mark	1.5-2.5 mm

When needling areas of the body (such as the legs or hands), avoid needling over the bony parts (especially on the legs). Ensure only to use 36-42 pin cartridges for microneedling the body and take precaution not to use any active ingredients (such as acids or retinoids) after microneedling. Regarding needle depth, we recommend using 0.5mm for legs and up to 1.5mm for fattier areas of the body. Needle depths that range from 0.25mm to 1mm are recommended for general anti-aging procedures. If treating acne scars, you may want to use longer needle around 1.5mm in depth. If you are opting for a longer needle, talk with your dermatologist prior to treatment. Choose the Suitable depth and speed according to your own feeling of use. Beginners are recommended to use from the lowest depth and speed.

PRE-NEEDLING

It's advisable to stop using any Vitamin A/Retinol type creams 3-5 days before use to prevent irritation. It's also best if you avoid fish oil or any anti-inflammatory tablets 3-5 days before as well as this increases your risk of bleeding.

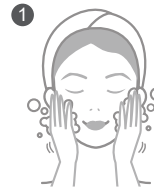
You Will Need: Microneedle Pen device, clean towel, brand new cartridge, alcohol solution, numbing cream (optional), cotton pads, surgical gloves (optional), serum (hyaluronic acid is recommended).

Clean your skin & tie back your hair: Any dirt, oils or stray hairs on the skin can increase the chance of infection or irritation. Double-cleanse (cleanse and repeat) your skin with your cleanser of choice to remove all traces of makeup and lotions. Fully tie back your hair, away from your face.

Apply a numbing cream (optional): If your skin is sensitive, you can purchase numbing cream from over the counter at any chemist. We recommend numbing creams that contain at least 5% Lidocaine. Apply approximately $\frac{1}{2}$ to $\frac{1}{2}$ of the tube to the area to be needled, leave on for 20 minutes then thoroughly remove the cream. Once you've removed the cream, cleanse the skin again. You can use 0.1 chlorhexidine or 60% alcohol with purified water to wipe off the numbing cream.

Apply Serum: Use a hydrating serum such as Hyaluronic Acid before microneedling to lubricate the skin, helping the needles to glide and preventing drag. Do not use Vitamin C (as it can cause a reaction), retinol, exfoliants and brightening ingredients.

Ensure device is charged (if using cordless) or you're near a power source if using while plugged in.



Clean Skin



Apply Essence



Microneedling

HOW to USE

Open brand new cartridge packet and attach cartridge into your device. Ensure hands are clean and don't touch the tip or needles of the cartridge. You may also wear gloves. Choose your desired needle depth by rotating the dial on your device. Work in small areas and apply serum to each area before needling. This will help to ensure that the pen does not drag or pull on the skin. The recommended pattern to move the pen for best results is vertical, horizontal, and then diagonal in both directions. Using a light pressure and without dragging, repeat this motion over each area two times. Use your free hand to hold the skin taught.

Face mapping - How to Microneedle

When microneedling, it's important to remember that different areas of the face will require a slightly different technique. Certain areas of the face are fleshier, whereas others have thinner, delicate skin. Below is a breakdown of the recommended microneedling motions for each area of the face.

1. Between the eyebrows

This area commonly has deep-set wrinkles. Use a small criss-cross motion with your microneedling pen to target this, working in an upward direction only. Hold the skin between your eyebrows taut and apply even pressure when microneedling.

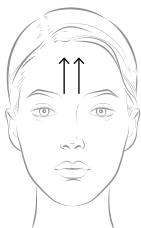
2. Forehead

Again, use a criss-cross motion using alternate upward strokes. Continue with even pressure; if you have loose skin, make sure to hold it taut.

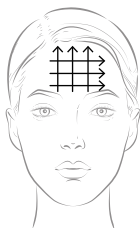
3. Brow area

Use your free hand to hold the skin taut, gently pulling the peak of your eyebrow outwards. Move the pen in upward motions gently across the brow bone.

STEP 1



STEP 2



STEP 3



4. Crows feet

Be gentle in this area as the skin is delicate. Use your free hand to hold any loose skin taut. Use outwards motions with your pen that move towards your hairline.

5. Under-eye area

This is a very delicate area; use light pressure, and use lots of serum to avoid the pen dragging. Move the microneedling pen in outward motions that start under the eye and end at the side of the face.

TIP: Always remember to apply Hyaluronic Acid to the area that you're about to needle right before needling. This will help the pen to glide across the skin effortlessly.

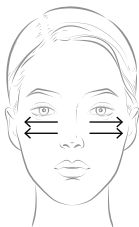
6. Cheeks

Moving on to the fattier area of the cheeks, using your free hand to hold the skin taut, use cross outwards motions towards the outer sides of your face. Then, from the earlobes and up to the cheekbone, use gentle upwards motions with your microneedling pen

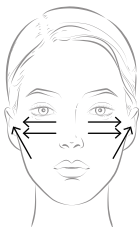
STEP 4



STEP 5



STEP 6



7. Chin

Use criss-cross motions on the fleshy part of the chin.

8. Jawline

Pulling from the bottom of your jaw, gently make upwards strikes towards your cheeks (being careful not to overlap where you've previously needed).

9. Upper lip

In the small fleshy area between your cupid's bow and nose, gently make upwards motions, then cross sideways motions towards the outsides of your face.

STEP 7



STEP 8



STEP 9



10. Nose

Finally, on the nose, make upward strokes towards the brow/forehead area.

STEP 10



TIP:

If there are any areas that you are having trouble reaching, or you feel too small to do a 'criss cross' motion on, you can do small, circular motions with your pen to treat this area (e.g. the sides of the nose, or the crows feet area).

AFTER-CARE

It is normal for the skin to be red, swollen, or pinpoint bleeding after the procedure. The face can be washed with water, and hyaluronic acid can be applied to hydrate and calm skin.

The day after treatment, wash your face with a gentle cleanser and apply a nourishing moisturiser. Avoid products containing fragrances or active ingredients (vitamin C, A/Retinols), acids (lactic acid, AHA, BHA), scrubs or toners which may cause irritation.

Your skin may experience mild swelling, bruising, peeling and flaking. You can minimise these effects by keeping the skin moisturised, which will reduce shedding and alleviate tightness.

Avoid exercising, sweating excessively, swimming or applying makeup for 24 hours. You must apply a high protection sunscreen when going outdoors, and avoid prolonged sun exposure.

48 Hours After:

Optional: Begin to gently exfoliate the dry/flaking skin to help speed up the recovery process, and continue to hydrate the skin, morning and night. Please note that this step is totally optional and if you choose to exfoliate to speed along the process, be sure not to exfoliate with chemical or physical exfoliants.



Do not exfoliate if the skin feels sensitive - the flakiness and dryness of the skin will naturally subside.

3-5 Days Post-Treatment:

Continue to apply a high protection sunscreen daily and avoid direct and extended sunlight for up to 1-week post-needling. Your skincare routine should focus on hydrating and moisturising products, continuing to avoid active ingredients, acids, scrubs and toners.

7+ Days Post-Treatment:

You may return to your regular skincare routine.

HOW MICRONEEDLING WORKS

As we grow older, the cycle of new skin growth slows and less collagen and elastin are produced. This results in fine lines, wrinkles and dark spots (pigmentation). Applying creams and serums on your face may succeed to moisturise the

outer layer of dead skin, but no penetration takes place to the living part of the skin. The active molecules are simply too big to pass through the ultra protective epidermis layer. Microneedle Pen creates "micro-channels" which allow for deeper penetration of serums and ingredients results in higher efficacy, meaning you get more out of your serums than usual. When you move Microneedle Pen over the skin, it creates a "micro-channel" which is why it's recommended you use it with a serum of your choice such as hyaluronic acid or EGF. These micro injuries also trigger the body's natural healing process to create the appearance of fresher, newer looking skin.

COLLAGEN INDUCTION THERAPY

Micro-needling is a process called collagen induction therapy (CIT). CIT is the skin's own ability to repair itself. By using Microneedle Pen, you are treating yourself to CIT and creating controlled induction of the skin's self-repair process by making deliberate micro injuries to the skin. This then creates and triggers the release of growth factors for the production of new collagen and elastin, which what we lose as we age. Microneedle Pen Auto Microneedle System is a non-invasive treatment which gives your skin that glow you're looking for. Micro-needling targets fine lines, wrinkles, texture, stretch marks, loss of tone and elasticity, enlarged pores, acne scarring and pigmentation.

Benefits Of Microneedling:

- + Treats scars (acne, surgical, burns)
- + Improves wrinkles and fine lines
- + Shrinks enlarged pores
- + Helps tattoo removal process
- + Treats stretch marks
- + Brightens complexion
- + Evens skin tone
- + Promotes hair growth
- + Improves production of collagen and elastin
- + Firms and tightens skin

Contra Indications:

- Skin wounds
- Skin inflammations
- Hypersensitivity
- Diabetes
- Keloid scars
- Viral infections
- Blood diseases
- Patients who take anticoagulant medicine.

NOTICE AND SAFETY

1. If the disposable cartridge package is incomplete and leaking, please do not use it to avoid contaminating your skin.
2. The same cartridge can only be used once by one person. Sharing a cartridge with others is strictly prohibited. It is forbidden to use the same cartridge several times after disinfection. Otherwise, it may cause skin allergy, redness, spots, inflammation and other adverse consequences.
3. About 10-20 minutes after microneedling, some people's skin will be red, which is a normal phenomenon and will disappear within 24 hours without treatment.
4. Used cartridges should be discarded. Unopened cartridges and microneedle devices should be stored in a well-ventilated, non-humid environment, protected from heavy pressure and impact, and away from children.
5. Except for the cartridge, no other part of the microneedle device is allowed to contact with water or other liquids that could damage the device.
6. Do not disassemble or modify the charger and microneedle device. It is forbidden to use the charger with a damaged power supply. May cause electric shock, fire and charger damage.
7. Do not touch the charger with wet hands. If the charger comes in contact with water, other liquids and fire, the power should be disconnected immediately.
8. No shaking charger, No direct sunlight, No bathroom and other high-temperature places to use charger, the microneedle device is not waterproof, No rain or damp.
9. Please do not use chargers near TV, radio and other electrical appliances.
10. When charging, the microcrystallizer and charger must be placed in the ventilation place with the temperature of - 10 C~ + 55 C. Using the unauthorized charger may cause danger.
11. Please keep the charger away from children.



DISPOSAL & RECYCLING:

You must dispose of dermapen properly according to local laws and regulations. Because this machine contains electronic components, it should be discarded separated from household waste. When it reaches its end life, contact local authorities to learn about disposal and recycling options. You can help protect the environment! Please remember to respect the local regulations, and dispose of the non-working electrical equipment to an appropriate waste disposal center.