

NeedlingPen Medical CONTROL

User guide English

Purpose and intended users

Medical CONTROL is intended for medical microneedling with a 9-pin cartridge and microdermabrasion with a Nano cartridge. It is for appropriately trained personnel who understand hygiene, risks and treatment technique. The device classification does not determine which procedures you may perform in your professional role.

This guide explains preparation, controls and maintenance. Select needle length, treatment intervals and product combinations using the separate treatment protocol, skin assessment, cartridge instructions and your training. The highest device setting is not a standard treatment recommendation.

Device and cartridges

Item	Specification
Model	NeedlingPen Medical CONTROL
Device supply voltage	5 V DC
Power in the source table	1 W
Speed settings	6
Adjustable needle length	0.25 to 2.5 mm
Length adjustment	Rotary adjustment
Cartridges	9-pin and Nano for Medical CONTROL
Power options	Battery or original power adapter
Handpiece weight in the source	80 g

Nano cartridges have different microapplicators from microneedling cartridges. The manufacturer specifies a maximum of 0.1 mm for these applicators. Do not automatically apply a 9-, 12- or 36-pin setting to a Nano cartridge.

Check the supplied items

The online manual lists a handpiece, handpiece cable, charging equipment and handpiece rest. The earlier manufacturer PDF also lists two cartridges and a use and maintenance manual. Protective sleeves are required separately; check the contents of your order.

Safety for every user

Read the instructions completely and keep them with the device, including when ownership changes. Work in a dry, clean, smoke-free area with adequate lighting. Use only an undamaged device with original compatible accessories. Keep the device away from children.

Do not open or modify the device or cartridges. Keep liquid out of the handpiece and adapter. Never connect the handpiece directly to 220 V AC: use the original adapter for the 5 V supply. Route cables to prevent trips and accidental pulling.

Do not use mobile phones or other portable transmitting equipment close to the device. The manufacturer also identifies Wi-Fi routers as potential interference sources. Inform the client.

When treatment must not proceed

The manufacturer lists the following contraindications. Check them before every treatment.

- Allergies, epilepsy, autoimmune disease or infection, including respiratory, cardiovascular or treatment-area infections.
- Impaired skin healing due to illness or medication, including diabetes or thalassaemia.
- Active acne, wounds, eczema, rash, oedema or bruising in the treatment area.
- Systemic or viral infections, including hepatitis or HIV; local skin infections, including herpes. The source also lists rosacea.
- Chemotherapy, radiotherapy or high-dose corticosteroid treatment.
- Pregnancy or breastfeeding.
- Combined aesthetic or medical procedures that compromise the epidermis.
- Under 18 without parent or guardian consent. The intended population is adults.

Do not start when safety is uncertain. Interrupt treatment if a safety concern arises, and have the cause assessed before continuing.

Check the device and materials

Check the handpiece, cables, adapter and cartridge connection for damage or contamination. Use a sterile cartridge with intact packaging and a valid expiry date. Dispose of damaged, expired or contaminated cartridges immediately. A cartridge is for a single treatment and must not be reused.

Preparation and charging

1. Connect the original adapter to the handpiece using the appropriate connector, then connect it to the wall socket. Charge the built-in battery before wireless use.
2. A red charging light means charging; green means fully charged. Disconnect the device when charging is complete.

Wired operation uses the original adapter. Wireless operation requires sufficient battery charge. Hold the pen firmly and route cables safely.

Allow the device to acclimatise after a large temperature change. The manufacturer specifies at least three hours for every 10 °C difference. Operate the device at 15 to 25 °C.

Hygiene before treatment

Wear clean disposable gloves. Clean and disinfect the treatment area. Use only sterile products tested for this application. Keep the handpiece free from visible contamination during use. The manufacturer additionally lists eye and mouth protection, a disposable cap and protective clothing. Protect the handpiece and cable with a disposable sleeve before fitting the cartridge; section 5.6 specifies a sleeve diameter of 20 to 27 mm. Record the cartridge batch in the client record.

Fit and remove a cartridge

1. Switch off the handpiece. Open the sterile packaging just before use and hold the cartridge by its base.
2. Insert a compatible cartridge into the connection and turn clockwise until secure. Check its position before switching on.
3. To remove the cartridge, switch off, turn anticlockwise and withdraw it. Dispose of the used cartridge through the appropriate waste route.

Controls and settings

Hold the power button for two to three seconds to switch Medical CONTROL on or off. A short press changes speed. The pen starts at level 1 and the display shows the selected level. The six source values are 108, 111, 115, 119, 121 and 126 oscillations per second.

Adjust the projecting length using the rotating part and its scale. Clockwise rotation when viewed from the cartridge increases projection. Check the setting visually. Medical CONTROL has a dual PD/DS scale; use the corresponding instructions for your cartridge.

Select length and speed for the skin area, skin condition, cartridge and treatment protocol. The manufacturer recommends checking the projecting length visually with the pen running. Do not touch moving needles. Switch off before changing a cartridge.

Finish treatment and provide aftercare

Switch off before removing the cartridge. Place the handpiece in its rest without allowing the cartridge to touch a surface. Dispose of single-use materials according to local requirements.

Protect treated skin from touching, contamination and UV exposure. For the first two to three days, avoid swimming pools, saunas, abrasive or chemical peels and hair removal on the treated area. Follow the treatment protocol and product instructions for aftercare.

The manufacturer describes possible first-day discomfort, irritation such as itching or warmth that usually subsides within 12 to 72 hours, and mild peeling that usually resolves within eight days. These periods do not guarantee recovery. Stop if symptoms are unusual or worsening and have them assessed.

Cleaning and disinfection

1. Switch off and disconnect the supply before cleaning or maintenance.
2. Remove the used cartridge. Clean external surfaces with a soft cloth and a mild compatible cleaner. Dry with a clean cloth.
3. Disinfect the handpiece, handpiece cable and rest before and after every use using a compatible product.

Never immerse the handpiece, supply or control components. Do not use an autoclave or ultrasonic bath. Keep cleaning liquid out of connections and the housing. Do not clean a used cartridge for reuse.

Materials and cleaning products

The manufacturer lists resistance to ethanol; boric, acetic and citric acid each up to 10%; aliphatic hydrocarbons; and many inorganic salt solutions. This describes material compatibility; it is not a formula for an effective disinfectant.

Surfaces are not resistant to strong or oxidising acids, alkaline solutions above pH 7, aromatic or halogenated hydrocarbons, acetone or petrol. Source examples include hydrochloric acid from 20%, sulphuric acid from 50%, nitric acid from 15% and peracetic acid. Choose an approved product and follow its own instructions.

Maintenance and abnormal operation

The manufacturer recommends Medical CONTROL inspection every 24 months by an authorised service provider.

Stop using the device if it is damaged, operates abnormally or has liquid inside. Contact the supplier and do not attempt repairs yourself. After a drop, check for visible damage; have any damage or abnormal operation assessed before reuse.

Storage and transport

Condition	Temperature	Relative humidity	Air pressure
Operation	15 to 25 °C	30 to 75%	700 to 1070 hPa
Device storage or transport	-10 to 40 °C	10 to 90%	540 to 1070 hPa
Sterile cartridge storage	-15 to 25 °C	30 to 65%	Not specified

Store the pen securely in its rest or original packaging. Transport the device and accessories in their original packaging. Keep unused sterile cartridges sealed until immediately before use; check expiry dates and any stricter conditions printed on the packaging.

Service and disposal

Contact the supplier for faults, maintenance or warranty service. Keep purchase information and device identification. The purchase terms determine the applicable service; this guide creates no additional warranty or liability terms.

Dispose of used cartridges through an appropriate contaminated or sharps waste route. The Medical manufacturer requires separate collection of the electronic device through a suitable collection service.