Machine user manual

Controls, voltage and M1-M3 presets | Supplier model 1100766-8 | Rechargeable wireless cartridge machine



Read the display
V: selected voltage. **Hz:** running frequency.
M1 / M2 / M3: memory slot. **00:00:** timer.
Battery icon: remaining charge. **ON / OFF:** motor status.

The screen can be lit while the motor is paused. Check status and frequency. Display readings in the illustration are examples, not treatment recommendations.

01 Know the three buttons

Top white ring: voltage increase while running; preset selection while paused.
Centre red ring: power and start/pause.
Bottom white ring: voltage decrease while running; preset selection while paused.

02 Power and start / pause

Switch on: double-click the centre red-ring button, as described in the setup video. Check that the screen lights.
Start / pause: briefly press the centre button. Press again to resume.
Switch off: double-click the centre button, following the demonstrated method. Check that the display is off and the motor has stopped.

03 Adjust speed

With the motor running and the tip clear of skin and fingers, use the top button to raise voltage or the bottom button to lower it. Watch V and make small changes. Use settings established in training for your cartridge and task.

04 Select and set M1, M2 or M3

M1-M3 are three voltage memory slots, not fixed treatment modes. Selecting a memory does not mechanically change stroke length.

1. Pause with a short press of the centre button.
2. Briefly press an outer button to select M1, M2 or M3. Check the label on screen.
3. Start the motor with the centre button, keeping the tip clear. Adjust voltage with the top/bottom buttons.
4. Pause, select another slot and repeat as required.
5. Revisit each slot to check its value. After switching off and restarting, check recalled values before use; do not assume they were retained.

Preset selection is shown while paused; voltage changes are shown while running. A separate save command and power-cycle retention are not demonstrated in the supplied video.

Setup, charging and care

Prepare the cartridge and needle hang before working. Keep the tip clear of hands and skin during adjustment.

05 Fit the cartridge

Switch the machine off. Select a compatible, sterile, single-use cartridge. Check the seal and expiry date. Open aseptically, insert into the opening at the grip end and turn gently to engage its lock. Do not force it. Check that it is secure.

Switch off before removal. Put used cartridges directly into an approved sharps container.



06 Set needle hang

With the cartridge secured, start the motor to observe needle movement, as shown in your training. Keep the tip clear of skin and fingers.

Hold the upper body still. Turn the **lower bottle-shaped grip** left or right in small steps and watch the extension at the cartridge tip. Do not turn the numbered stroke collar to set needle hang. Pause after checking.



Cartridge opening
The grip end is shown facing upwards in this photograph.

Turn lower grip left / right

Needle hang means extension beyond the cartridge tip. It does not equal skin penetration depth. Recheck it after changing the cartridge or stroke. Never touch a moving needle.

07 Charge and monitor battery

Switch off. Connect the supplied USB-C cable to the top port and a supplier-approved power source matching the battery input rating. Keep the port dry; charge away from the treatment area. Disconnect before preparing for treatment.

1200 mAh rechargeable lithium battery
Approx. 1.5 hours charging
Approx. 3-4 hours runtime per battery

These are supplier estimates. Runtime varies with voltage, cartridge load, use and battery condition. Check the battery icon before a session and keep the charged spare available if supplied.

08 Finish, clean and store

With power off, discard the used cartridge and remove barriers carefully. Clean, then disinfect the exterior with a manufacturer-compatible product for its labelled contact time. Keep liquid out of the motor, buttons and charging port. Do not immerse or autoclave the machine. Let it dry before storage or charging.

Stop using the machine if it overheats, runs irregularly, becomes damaged or shows battery swelling or leakage. Do not open the battery or motor housing. Arrange assessment through your supplier.

Stroke and machine reference

Use the marked stroke positions on your machine. Stroke, needle hang and working depth are separate adjustments.

09 Adjust the stroke



Motor and output



Six adjustable stroke positions

2.7 / 2.9 / 3.3 / 3.5 / 3.9 / 4.5 mm.
The gold arrows show left/right collar rotation. Pause the motor, then align the chosen value with the triangular marker. Do not force the collar or leave it between marked positions. Recheck needle hang afterwards.

Supplier specifications

Model: 1100766-8
Motor speed: 12,000 rpm
Adjustable output: 5-12 V
Weight: approximately 218 g
Body: alloy
The cutaway is illustrative, not a servicing diagram. Do not open the housing.

Stroke is the travel of the internal drive mechanism. The numbered stroke value does not specify how far the needle should enter skin.

BODY TATTOO STROKE GUIDE

Technique	Reference range	Needle examples	Relative speed
Fine line	2.5-3.0 mm	1RL, 3RL, 5RL	Low to medium
Body lining	3.5-4.0 mm	5RL-9RL	Medium to high
Body shading	3.0-3.5 mm	Magnums / curved mags	Medium
Colour packing	3.5-4.2 mm	Round shaders / mags	Medium to high

Training references adapted from your supplied chart. Choose a marked stroke within the range; these are not universal prescriptions. Screen readings in the artwork are examples, not recommended treatment settings.

Supplier data: Alibaba item 1601270311747; supplied videos and screenshots. Battery figures are estimates. Images adapted for Institute of Ink.