

COMPLEX WIRELESS PACK

COMPLEX
PENCIL

Complex

USER GUIDE

GET STARTED

How to start the machine after removing the seal.

1

Holding the Pencil upright, rotate the top half of the machine while pressing the detach button on the side to separate the battery pack from the head.



2

Gently pop open the battery cap and remove the blue safety sticker. Close the cap. The battery cap is designed to detach when excessive force is used.



3

Align the head and the battery pack and rotate until you hear a click and it is perfectly aligned.



4

Insert the cartridge all the way and turn it clockwise to secure.



5

Press the power button at the top of the machine for 2 seconds to start the machine.

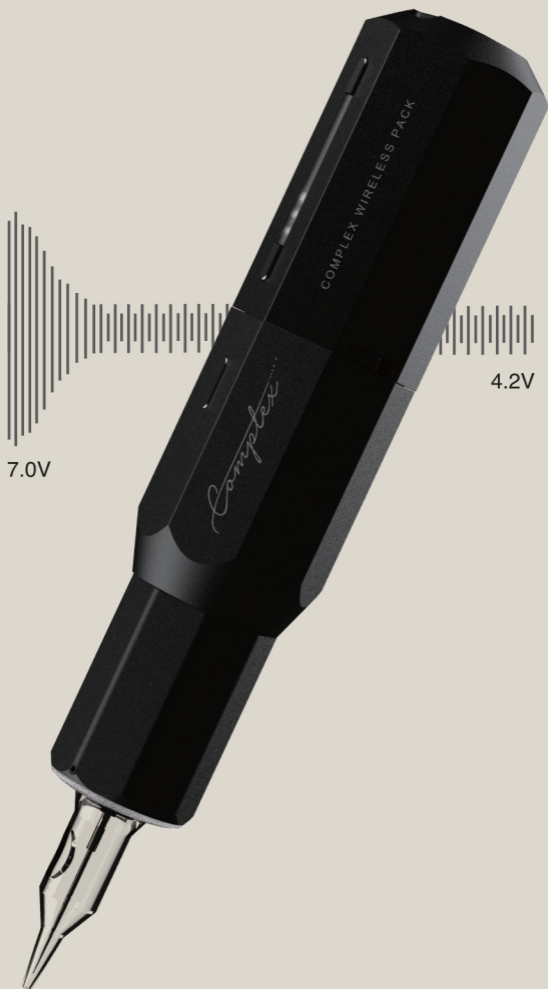


Power Button

Connect the machine to the USB-C cable and to plug it into charge and check the charging status incase it doesn't turn on.

6

The Pencil's Smart Start function will create a loud buzz when turned on before adjusting to the right voltage. (Refer to Smart Start / Stop Functions)



7

POWER CONTROL

Long Key (Press and hold for 2 seconds)

Voltage increases and decreases in increments of 1.0v.

Short Key (Tap the button)

Voltage increases and decreases in increments of 0.1v.



VOLTAGE DISPLAY

Red Light

- 9.0V
- 8.0~8.9V
- 7.0~7.9V
- 6.0~6.9V
- 5.0~5.9V
- 4.2~4.9V

BATTERY DISPLAY

White Light


- 90% ~
- 71~90%
- 51~70%
- 31~50%
- 11~30%
- 0~10%

8

PAUSE

Press the power button using the Short Key to put the machine on pause. The white light will blink while in pause-mode.

Press the power button again and the machine will resume function at the same voltage setting.



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9

LED LIGHT

Press the LED button located on the side of the machine to turn on the light. Repeat to adjust the brightness levels, and to turn off the light.

The built in LED light is a great alternative light option to help with detailed work.



LED Button

10

CHARGING

Connect the USB-C type cable to the battery pack.
The white light will begin blinking
once the charging begins.



SMART FUNCTIONS

Smart Start | Stop

START

The Complex Pencil is equipped with a Smart Start function every time the machine starts. This allows the machine to push the needle at 7v to effectively 0.1 second for a seamless start.

STOP

The Smart Stop function stops the motor and put the machine in pause mode after 2 seconds in case of the needle getting stuck.



CAUTION

1

Connect the USB-C cable for 5-10 minutes if the machine does not operate when fully charged. Repeat the process if needed.



2

Do not hold the machine upside down.
This may cause the ink and water to leak
into the machine.



3

Please make sure that the positive terminal goes in first when inserting the battery.



Please refrain from using non-compliant batteries and external chargers. There is a potential fire hazard when using products with different specifications.



4

Repair service is not possible if the machine is disassembled or parts have been tampered with.



The serial number is located on the head of the machine when detached. Serial number is needed to fill out the repair / warranty form.





5

Be careful not to go in too deep in the water when rinsing the ink as water may cause water damage.

X

O



Voltage : 4.2v-9v (can be adjusted in increments of 0.1v)

Weight : 142g (with motor attached)

Length : 135mm (with motor attached)

Diameter : Head 25mm / Body 30mm

Battery Life : Up to 10hrs

Charging : C-type cable / 1.8hrs to full charge

Material : Aluminium, Polycarbonate

Stroke Length : 4.95mm

Motor : Falhaber Motor

Complex Pencil has 1 year factory warranty except
the motor. Motor is covered for 3 Months.

Warranty is voided when any signs of external damage
is Present.

Made in Korea

Complex

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HOW IT WORKS

COMPLEX PENCIL is a machine which enables the user to feel like the ink being engraved into the skin as the needle passes by.

Please go over the following checklist before increasing the voltage during the session.

Voltage

Depth

Speed
of the hand

Length
of the Needle

Developer's notes

Complex

Ink's
vibrance

Try setting the voltage between 4.2v - 5.0v when first time using the Pencil

Wireless pack 4.2v - 9.0v

When **RCA Adapter** is used, the voltage is adjusted according to the power supply specification.

Begin with a lower voltage and find one that suits your **Hand Speed**. Drawing lines, shading, and packing can all be performed just by your hand speed without changing the voltage. The Pencil lets you have more control.

Many artists have a tendency of increasing the power because they are not accustomed to the moderate speed and a sense of depth when ink is not properly injected into the skin during operation.

When adjusting the voltage, keep in mind that the higher voltage will able the tip of the needle to move at a higher speed than necessary, thus preventing ink from properly applied.

The 4.05 CAM developed by Complex and the motor developed by Falhaber is a highly effective combination that enables for accurate lines and packing ability for a fewer repetitions.

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THANK YOU