

STIGMA ROTARY®  
**FORCE**



USER MANUAL

## WHAT'S INCLUDED

Inside the box you will find, a protective case, the Force pen, a Power Pack (only included with the Wireless version), an RCA Plug, two cartridge receivers (one already installed and one extra) to switch between Stigma® Advanced Safety cartridges and standard cartridges, a hex key to install the cartridge receivers and a quick start guide.

## MACHINE OVERVIEW

The FORCE is a revolutionary wireless pen machine which can also be used with a traditional RCA cable. It features a maintenance-free Dual Drive mechanism which offers solid hit with minimum vibration and low noise profile. The machine consists of three parts. The aluminum grip, the body and the power pack (or RCA Plug).



## VOLTAGE RANGE

The voltage range is 4 – 11 V and the recommended voltage range is 5 – 9 V.

*Finding the perfect voltage is subjective and varies from artist to artist. Depending on the type of work and cartridge configuration you are using, feel free to adjust anywhere between these values to find what's best for you.*

As a general guideline, we suggest to work between 5 – 7 V for shading and 7 – 9 V for lining.

## POWER PACK OVERVIEW

The Power Pack has a built-in display to show information and make it easier for the user to control the device. It's also the brain of this machine, allowing users to fully configure this pen to their preference by offering features such as Voltage Presets, Digital Give & Boost, Motion Control, Bluetooth connectivity and also compatibility with the Pilot Wireless Footswitch.

## CHARGING THE POWER PACK

It is recommended to fully charge the Power Pack before its first use for 2 – 3 hours.

The Power Pack can be charged either when turned off, stand-by or while the motor is running.

You can use any USB – C cable and charger output (laptop, smartphone, wall outlet etc.) but a high quality USB – C cable and power source with at least 1.5A is recommended.

## USING THE POWER PACK

Attach the Power Pack on the machine (follow the engraved arrow on the back of the machine to insert the Power Pack correctly and then rotate it to lock in place).

Long press the **ON/OFF** button to turn on the device.

Using the **+** and **-** buttons you can adjust the voltage, if you press & hold **+/-** then voltage will increase/decrease faster.

Using the **UP** and **DOWN** buttons you can go through the Voltage Presets, the [P1] icon displays the active preset. Presets will save both voltage and give/boost settings.

Long press the **UP** button to enable BOOST. Long press again to disable.

Long press the **DOWN** button to enable GIVE. Long press again to disable.

While the motor is running, press & hold the **ON/OFF** button to activate Motion Control.

While the motor is **not** running, press & hold the **ON/OFF** button to access the Settings menu.

The Power Pack shuts itself down after 1 hour of inactivity. If you want to manually shut it down, press & hold the **ON/OFF** button until the screen turns off.

*Prior to first use, it is recommended to fully charge the Power Pack for 2-3 hours.*

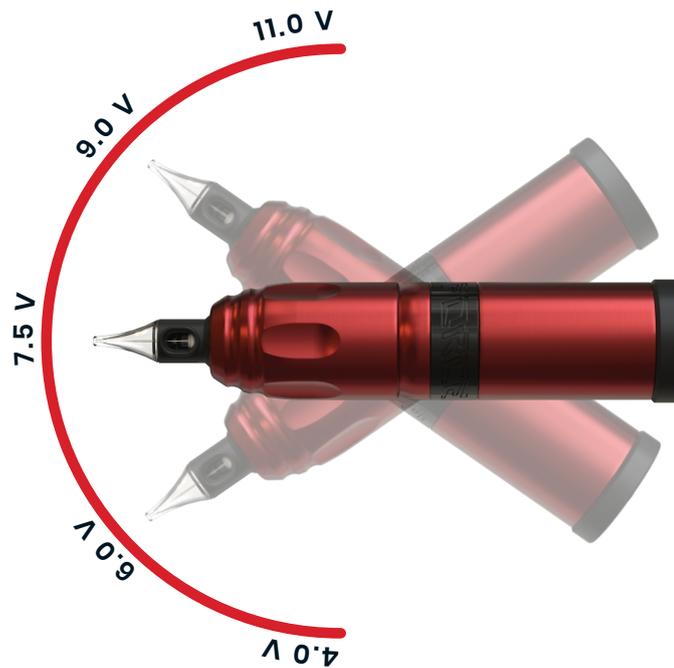
## MOTION CONTROL

This function has been implemented for users that tend to adjust their voltage more often and prefer speed over precision.

Hold the **ON/OFF** button while the motor is running and start rotating the machine 180°.

Voltage increases as the machine points upwards and decreases as it points downwards.

Releasing the **ON/OFF** button will lock in the new voltage values.



## PRESETS

The FORCE has 5 different on-board presets which you can use to save **voltage** and **give/boost** settings and swap between them quickly and efficiently..

On the top left corner you can see which preset is active. Using the **UP** and **DOWN** buttons you can cycle between them and set each one to your preference.

*Note: After each adjustment, the Presets icon will start blinking. The adjustments are saved only after it stops blinking.*



## DIGITAL GIVE & BOOST

The motor as a default runs in constant mode which means the stitching speed is not affected by the skin's resistance.

Enabling give will allow the machine to respond to the skin's resistance and become softer. By choosing between 3 levels of give you can adjust the sensitivity and softness.

GIVE-1 is subtle and allows for easier shading, GIVE on the 2nd and 3rd level will make the machine even softer and sensitive to the skin.

*Choosing the best option is subjective. You should experiment and pick the one that works best for you.*

Long press the **DOWN** button to enable **GIVE** (GVE #). Long press again to disable.

Enabling boost will allow the machine to run without dropping the stitching speed but it will actually respond to the skin's resistance on difficult areas and become punchier and faster to ensure optimal results.

Long press the **UP** button to enable **BOOST** (BST). Long press again to disable.

## PAIRING WITH THE PILOT FOOTSWITCH

In order to pair the Force pen with the Pilot Wireless Footswitch, do the following:

1. Long press the ON/OFF button to enter the Settings menu.
2. Navigate to **Footswitch** using the UP and DOWN arrow keys.
3. Press the + button to enter the Footswitch sub-menu and press the + button again to start the pairing process.
4. Press the Footswitch 5 times and you will see a successful pairing message on the screen.
5. Press the ON/OFF button to exit and start working with the Footswitch.

In order to change from TOGGLE to HOLD and vice versa, go back to the Settings menu, below the Footswitch you can now find the Footswitch Modes sub-menu.

## SETTINGS MENU

*While in the settings menu, navigate using the **UP** and **DOWN** buttons, change values using the + and - buttons and accept using the + button. Press the **ON/OFF** button once to exit.*

- 1. GIVE:** Choose between 3 levels of sensitivity.
- 2. INCREMENT:** Choose between 0.1 - 0.3 - 0.5 voltage increments/decrements.
- 3. FOOTSWITCH:** Pair/Unpair the PILOT Wireless Footswitch.
  - 3a. FOOTSWITCH MODE:** Choose between TOGGLE or HOLD mode.
- 4. MOTION CONTROL:** Enable/disable Motion control.
- 5. ENABLE BLE:** Enable/disable Bluetooth connectivity.
- 6. SOUND:** Turn indication sounds on/off.

If you are not using the Force paired with a device with myStigma® app installed, it is recommended to keep the BLE setting off due to power consumption.

## WARNING MESSAGES

**BATTERY LOW.**: The battery is empty and the motor can't start.

**OVER POWER PROTECT.**: This warning pops up whenever the current running through the device exceeds a certain amount of power. It also cuts off the power to the motor to avoid causing damage or implications to both the machine and the power pack.

You can try the following to reset the warning:

1. First, remove the cartridge. (if any)
2. Then shut down and remove the power pack.
3. Turn it back on and attach it to the machine.
4. Press the ON/OFF button once to start the motor.
5. If everything's alright then stop, put the cartridge back inside and run it again.

*If the motor cannot run even without a cartridge needle, then stop using it and contact our customer support to avoid further damage on the device.*

**Footswitch Low Battery Recharge.**: The footswitch is low on battery.

**Error! Use one Foot SW only.**: If there are more than 1 Footswitch in close distance, try moving further away before pairing.

## SLEEP MODE

The display goes to sleep after 45 sec. Press any button to activate it again.

If the Force stays idle for more than 10 minutes it will go to sleep and after 3 hours it will switch itself off automatically. If the battery is low, it will turn itself off after 20 seconds.

When the battery is fully charged the device again follows the above procedure.

## RCA PLUG

An RCA Plug (RCA adapter) is included with every FORCE. This allows the user to work with their machine while the Power Pack is charging or if you simply want to use cables.

*Note that when using the RCA Plug the machine gets lighter and smaller but loses all smart functions like Presets, Motion Control, Digital Give & Boost etc.*

## MAINTAINANCE

The Force is pre-lubricated when you receive it and does not require any lubrication.

Do not use any type of oil for lubrication.

Never spray down the machine and always try to prevent external fluids and/or other elements from entering the machine's mechanism as they can disrupt the smooth operation of the machine.

The grip of the machine is autoclavable. The rest parts (body, power pack, rca plug) can be sanitized from the outside with cold sterilization products.

After autoclaving you can use a hint of synthetic grease (eg Super Lube) around the internal threading of the grip or on the O-rings of the machine's body for optimal and smooth operation.

**Do not disassemble, modify, tamper with the machine or any of its parts.**

## **IMPORTANT NOTES**

Any cartridge brand and needle configuration is supported by this pen machine. Switch between the included interchangeable cartridge receivers to work with Stigma® Advanced Safety cartridges or standard cartridges of any brand.

Always prefer needles with a full membrane to avoid human fluids and/or ink from entering the machine.

Store the machine in a secure place away from children or persons who cannot/do not know how/are unable to operate this device.

Use of a high quality USB - C cable and power outlet for charging is recommended.

## **WARRANTY**

The Force pen (body, aluminum grip) and the Power Pack have a 12-month manufacturer's warranty. Should these parts prove to be defective due to manufacturer's fault, Stigma-Rotary® will repair/replace these parts free of charge.

This warranty is void if the device shows signs of having been disassembled, modified, tampered with, dropped, overexposed to moisture or any damage resulting in compromised functionality.

*Several external influences which cannot be controlled by the manufacturer can adversely affect the motor or other machine parts. Damages or other faults to the machine that may appear over time may have diverse causes and cannot automatically be assumed as being of manufacturing origin.*

*The motor is excluded from the warranty because of the many factors that have an impact on its lifespan and which cannot be influenced (controlled) by us. The manufacturer defeats any claims. They refer, as we do, to extremely high standard of quality production and end-control which guarantees that only 100% functioning motors leave their production plant. The same is also true for those machines that leave our production facilities.*

*A warranty cannot be applied to defects which are caused by normal wear (wear of components caused by normal use such as springs, bearings, O-rings, screws etc.) or improper handling, transport or storage by the customer.*

## **TROUBLESHOOTING**

Like every other mechanical device, we strongly recommend that you service your tattoo machine at least once a year to ensure everything's running as it should.

Service includes a proper diagnosis of the device and its motor and ensures that all parts are running perfectly. Any broken/malfunctioning parts are exchanged with new ones and a clean up as well as fresh lubrication is also conducted.

Keep in mind that servicing is subject to fees.

Never try to repair, modify the machine or any of its parts. Doing so will void the warranty. It's always preferable to send it in to our repair center.

**For technical support or spare parts please use our website's contact form:**

[www.stigma-rotary.com](http://www.stigma-rotary.com)

*Fill out all the necessary information on the contact form as accurate as possible. Doing so ensures a fast and reliable service experience.*

**For more information, tutorials and tips:**

**Check out our YouTube channel and Instagram page.**

<https://www.instagram.com/stigmarotary/>

<https://www.youtube.com/c/StigmaRotaryOfficial/>



Federal Communications Commission (FCC) Statement. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received,

including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide Reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications made to this device not expressly approved by **Petra Fangerow & Co. LP, Stigma-Rotary** may void the FCC authorization to operate this device. Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

**RF exposure statement:**

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The device is installed and operated without restriction.