

Ultra Proffie^{zero} **Apprentice's Guide**

UltraSaber Controls

- Short click: toggle POWER \bigcirc
- Long press: toggle background TRACK \bigcirc
- **Double-click:** activate PRESET control \bigcirc
- **Double-twist with button pressed:** activate PROFILE control \bigcirc
- **Double-tap with button pressed:** switch STEALTH / COMBAT \bigcirc

Pixel presets

<u>Analog presets</u>

- **1** Solid Green **11** Hump Flicker **21** Stable Unstable
- **B** Solid Red **12** Saw Blade **EXERCISE Selit Blade**
- **1I** Audio Flicker **I** Solid Arctic **E** Anger
- **14** Surging Pulse **H** Solid Orange
- **Solid Lime LI** Power Surge
- **24** Rolling Pulse
 - **ESE** Smoke Blade

B Shimmer

1 Solid

- **I** Fast Pulse
- **H** Audio Shimmer
- **B** Real Pulse

- **B** Solid Bane **LE** Omni Color
- **17** Rainbow **¬** Solid Sunrider
- **B** Solid Hot Pink 18 Lava Lamp
- **B** Solid Blue **12** Thunder Storm
- **ED** Gradient **10** Solid Violet

Motion Effects

Momentary effects triggered by motion

Smooth swing \bigcirc

Swing the saber in any direction.

<u>Choreographic Effects</u>

Persistent effects controlled with the button

Drag \bigcirc

> With the BUTTON pressed, HIT THE GROUND with the tip of your saber. Effect ends when you release the button. Only operational in Earth-like gravity.

B Morph

Clash Hit the blade anywhere.

Stab

Slide firmly along the blade axis.

Force

Twist back-and-forth around the blade axis to use the Force!

Melt \bigcirc

STAB HORIZONTALLY with the BUTTON pressed to concentrate The Force at the tip of your saber!

Lockup \bigcirc

When two sabers collide, the clash of energies might lock them to each other. Trigger a CLASH with the saber POINTING UP and the BUTTON pressed, and you'll activate the Lockup. Effect ends when you release the button.

Lightning \bigcirc

Your saber can absorb Force Lightning if it's prepared for it! Keep it horizontal and SHAKE it with the BUTTON pressed until you hear it arming. Next CLASH will trigger the Lightning effect, which you can end with an ample SWING. Disarm with a short SHAKE at any time.

Blaster Hybrid

Your saber can be converted into a Blaster. The Blaster Hybrid must be preliminary charged, then disarmed in order to resume saber functions:

SHAKE your saber CONTINUOUSLY until the charging sound ends in blasts. The Blaster Hybrid has been activated!

- The button is now your trigger CLICK to blast!
- Disarm with a short SHAKE at any time.

<u>Combat vs. Stealth Mode</u>

In COMBAT mode you can use the saber at full power. In STEALTH mode you can only use up to 1/3.14 - this saves energy and makes your saber hardly detectable by others around.

- To switch between Combat and Stealth modes, hold the hilt still and TAP it (not the blade!) TWICE, with the BUTTON pressed.
- The volume and brightness of Combat and Stealth modes are individually adjustable through the Profile Control.

Preset Control

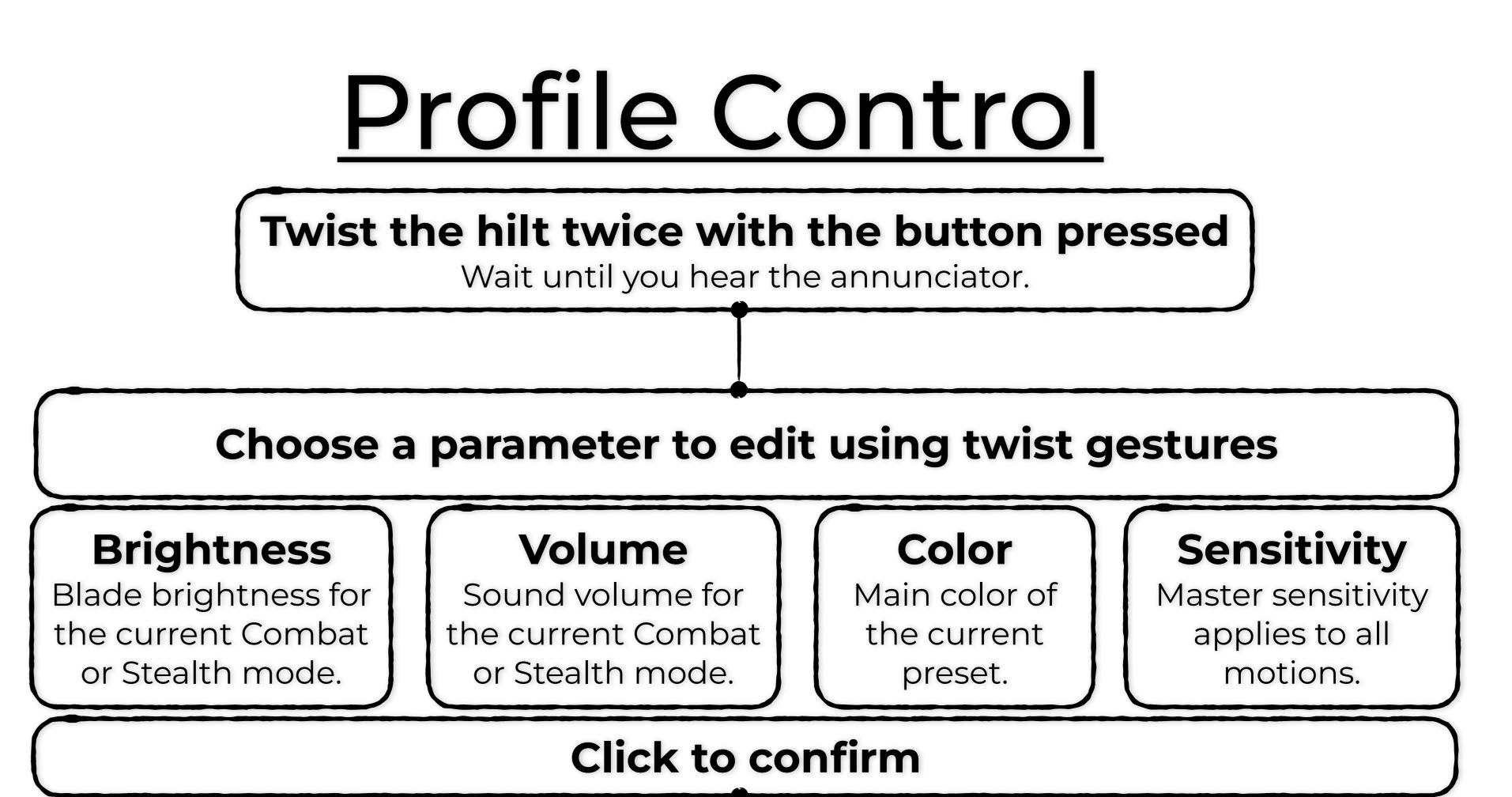
Click the power button twice If your saber is powered off, it will turn on. Wait until you hear the preset annunciator.

Choose a preset using twist gestures Once the tick/scroll settles, the new preset will be applied for preview.

TWIST GESTURES

You navigate through Controls using twist gestures:

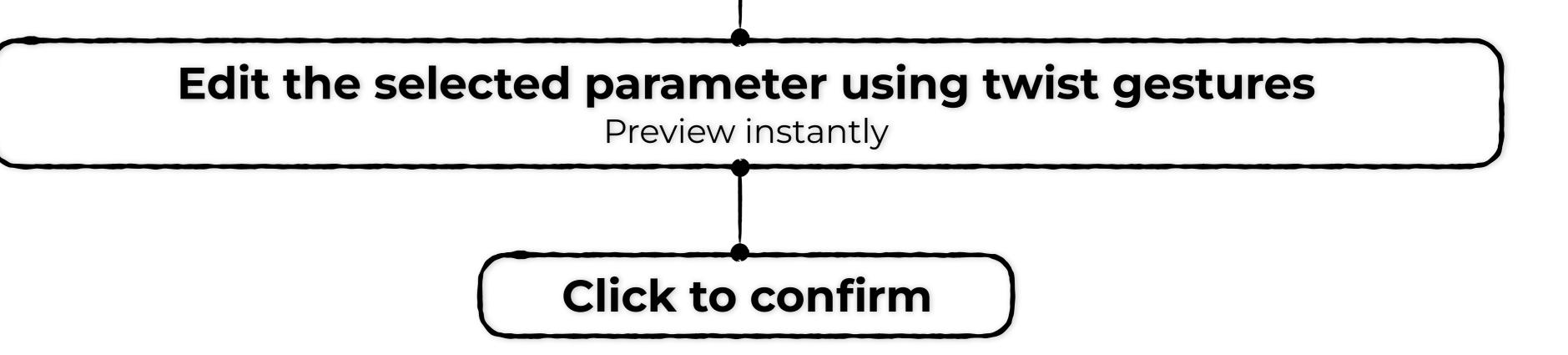
- Twist to the RIGHT until you hear a tick, to navigate one step FORWARD.
- Twist to the LEFT until you hear a tick, to navigate one step BACKWARD.
- TWIST in any direction with the BUTTON pressed to PAUSE navigation. As long as the button stays pressed, navigation stays paused.
- TWIST FIRMLY in any direction to start SCROLLING,



Click to confirm The preset selection will be saved and the saber will resume the previous power state. either forward or backward.

Twist in the OPPOSITE direction to STOP SCROLLING.

CONFIRM your option with a short click. CANCEL at any time with a long press of the button.



Energy Saving

If left IDLE in Combat mode, your saber will eventually switch to STEALTH mode. Any saber action such as a swing or a clash will resume Combat mode.

If left IDLE in Stealth mode, you saber will eventually POWER OFF.

If there's not enough energy in your BATTERY to maintain the Force, your saber will automatically POWER OFF.

<u>Maintenance</u>

If unused for more than a few weeks, remove the battery or recharge it periodically.

Contact UltraSabers Customer Support at info@ultrasabers.com for authorized firmware updates.

Troubleshooting

Nothing happens when I press the power button. ->

When I press the button the saber just plays a sound but doesn't light up.

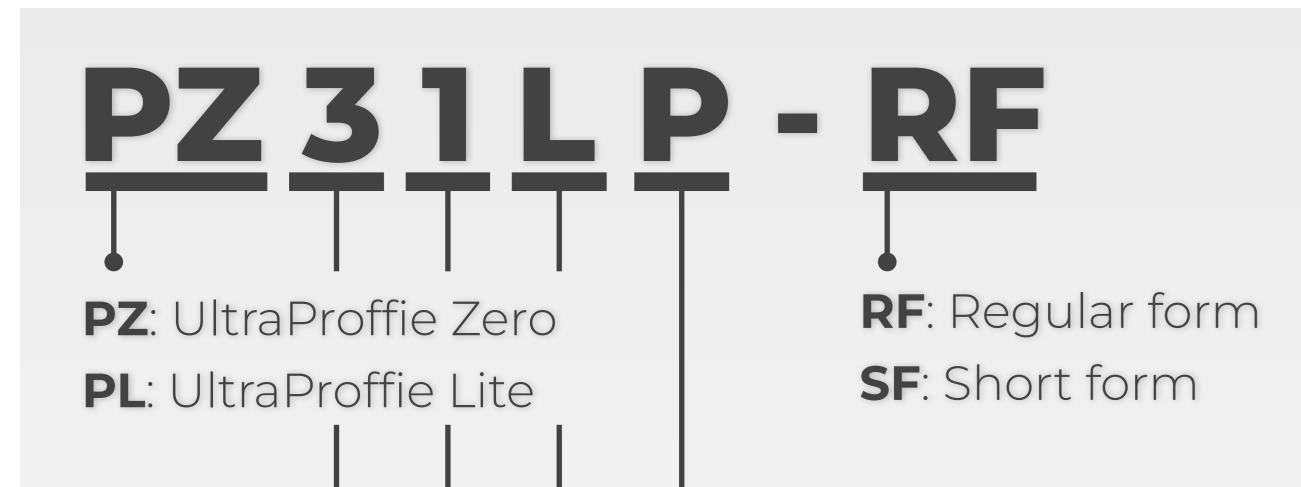
The saber doesn't respond to any command.

Can't access the extension connector, it is sealed. →

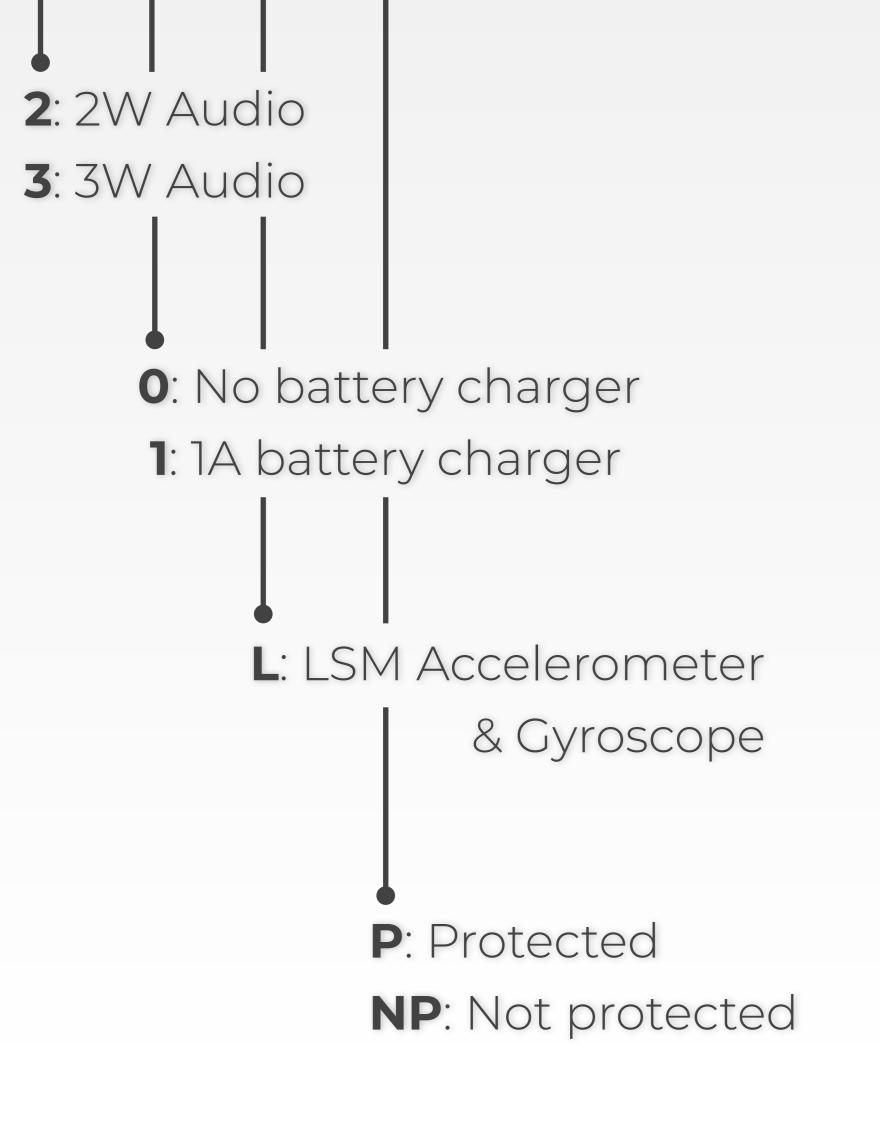
The hilt gets warm.

I need technical assistance.

- Check the physical integrity of the board and wire harness.
 Check battery polarity positive should go towards the speaker. Try replacing with a new and fully charged battery.
- → The battery is discharged. Replace or recharge the battery.
- Remove the battery, wait a few seconds, then reinsert the battery. Software glitches are rare but easily fixed.
- Your saber's warranty is still valid. Unauthorized access to the extension connector will void the warranty.
- This is normal for certain installations. If it becomes uncomfortable, turn it off and let it cool for a few minutes. If it gets hot immediately after powering on: power off, let it cool, remove the battery and request technical assistance.
- Contact Ultrasabers Customer Support at info@ultrasabers.com







Rx

Made in Romania by RSX Engineering Open-source firmware based on ProffieOS For customization go to <u>www.ultraproffie.com</u> 18650 Li-Ion Battery

Analog

Technical Specifications

Supply Voltage	3.2 - 4.2 [Volts]
Supply Current	Maximum: 4.9 [Amperes] DC
Charging Voltage	4.5 - 7.0 [Volts]
Charging Current	Default: 0.85 [Amperes]; Maximum: 1.0 [Amperes]
Standby Current	0.2 [milliAmperes]
Audio Power	Maximum: 3 [Watts] RMS
alog LED Channels	2
Pixel Channels	
Processor	ARM Cortex M4, 256 [kBytes] Flash, 64 [kBytes] RAM - STM32L431 @ 80 [MHz]
Storage Memory	Single-font internal Flash
Data Interfaces	UART, I2C, SWD