



UltraProffie^{LITE}

Apprentice's Guide

UltraSaber Controls

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

Solid presets

- 1** Father and Son - Green
- 2** Vader - Red
- 3** GrafleX - Arctic Blue
- 4** Maul - Orange
- 5** Yoda - Lime Green
- 6** Kylo - Bane's Heart
- 7** Rey - Sunrider's Destiny
- 8** Sidious - Hot Pink
- 9** Kenobi - Blue
- 10** Dooku - Violet

Motion Effects

Momentary effects triggered by motion

- **Smooth swing**
Swing the saber in any direction.
- **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!

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.

Dynamic presets

- 11** Mace
Shimmer / Hump Flicker
- 12** Ezra
Fast pulse / Saw Blade
- 13** Ahsoka
Audio Shimmer / Audio Flicker
- 14** Seventh Sister
Real Pulse / Surging Pulse
- 15** Super Saiyan
Shimmer / Power Surge
- 16** Power Rangers
Omni Color
- 17** Zelda
Morph / Rainbow
- 18** Final Fantasy
Shimmer / Lava Lamp
- 19** Ragnarök
Fast Pulse / Thunder Storm
- 20** Valhalla
Shimmer / Gradient
- 21** Shiva
Shimmer / Stable to Unstable
- 22** Fear
Real Pulse / Split Blade
- 23** Hate
Fast Pulse / Anger
- 24** Alita
Shimmer / Rolling Pulse
- 25** Orochi
Shimmer / Smoke Blade

Choreographic Effects

Persistent effects controlled with the button

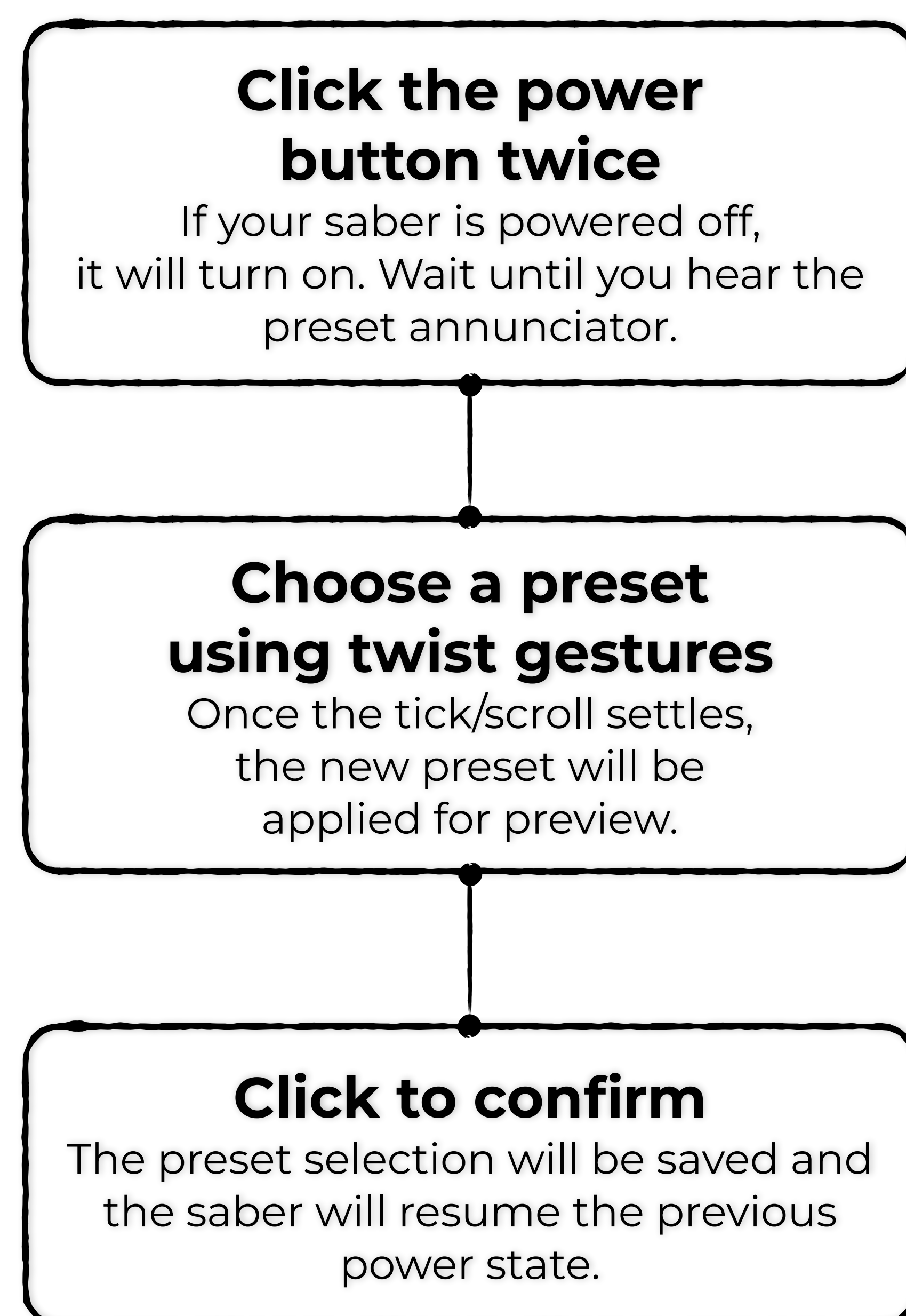
- **Drag**
With the BUTTON pressed, HIT THE GROUND with the tip of your saber. Effect ends when you release the button. Only operational in Earth-like gravity.
- **Melt**
STAB HORIZONTALLY with the BUTTON pressed to concentrate The Force at the tip of your saber!
- **Lockup**
When two sabers collide, 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**
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.

Combat vs. Stealth Mode

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



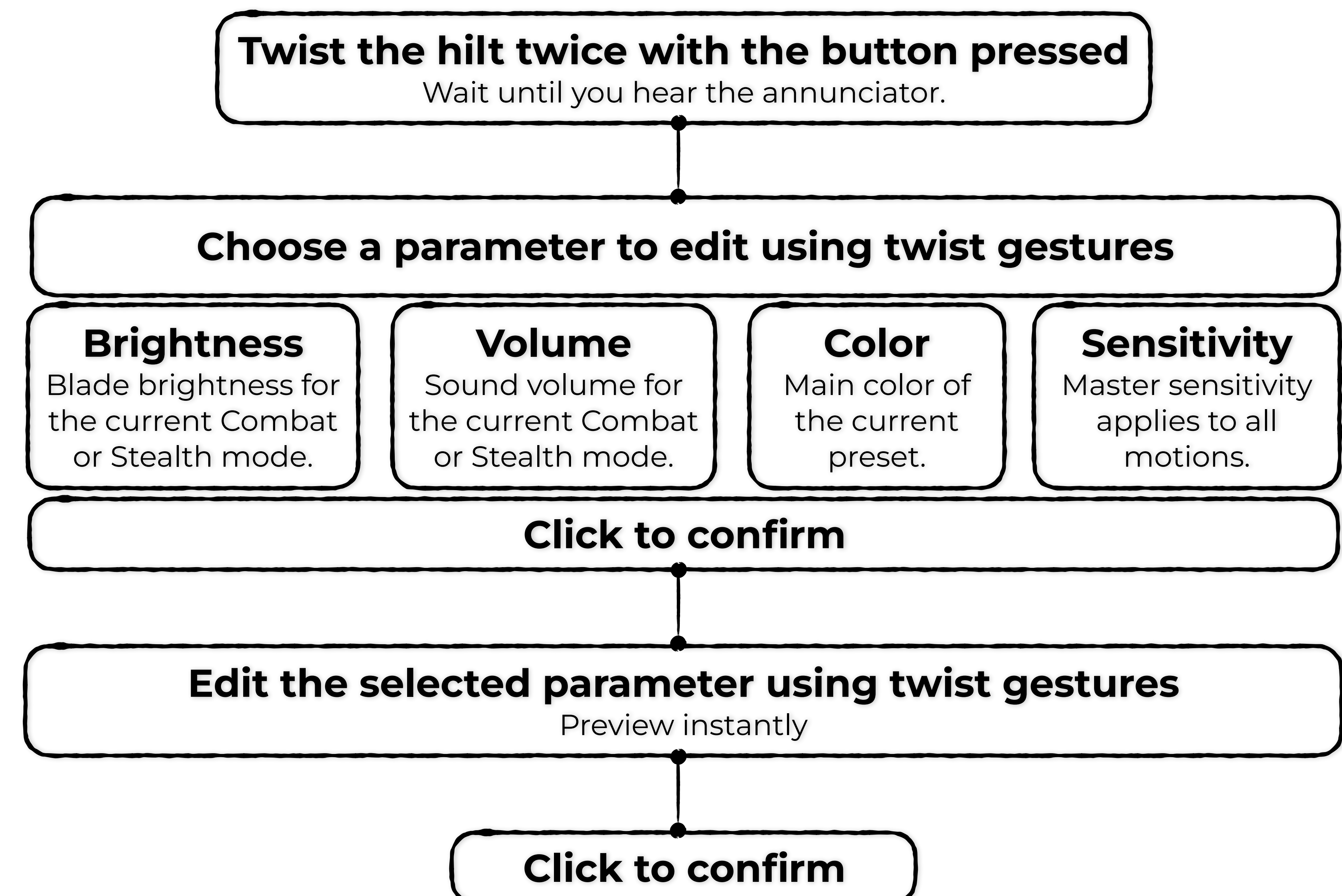
TWIST GESTURES

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, 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.

Profile Control



Energy Saving

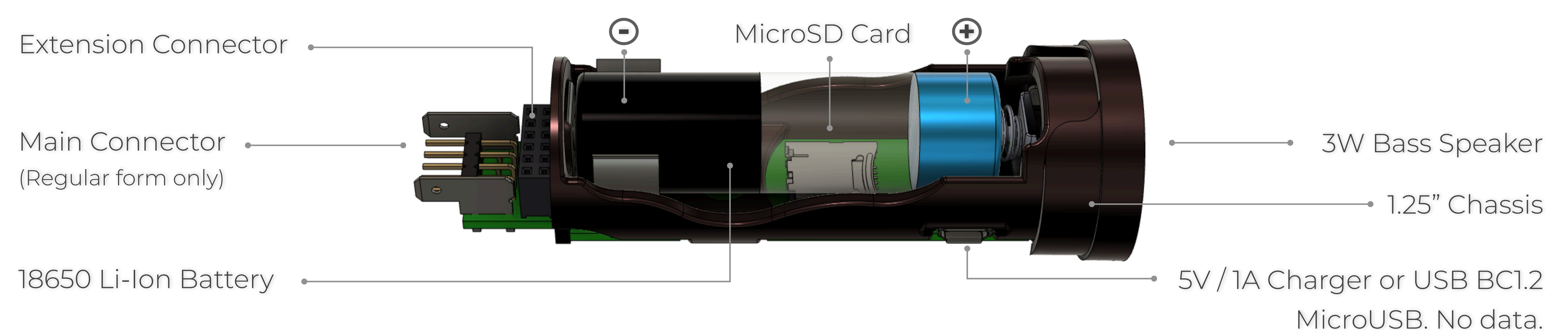
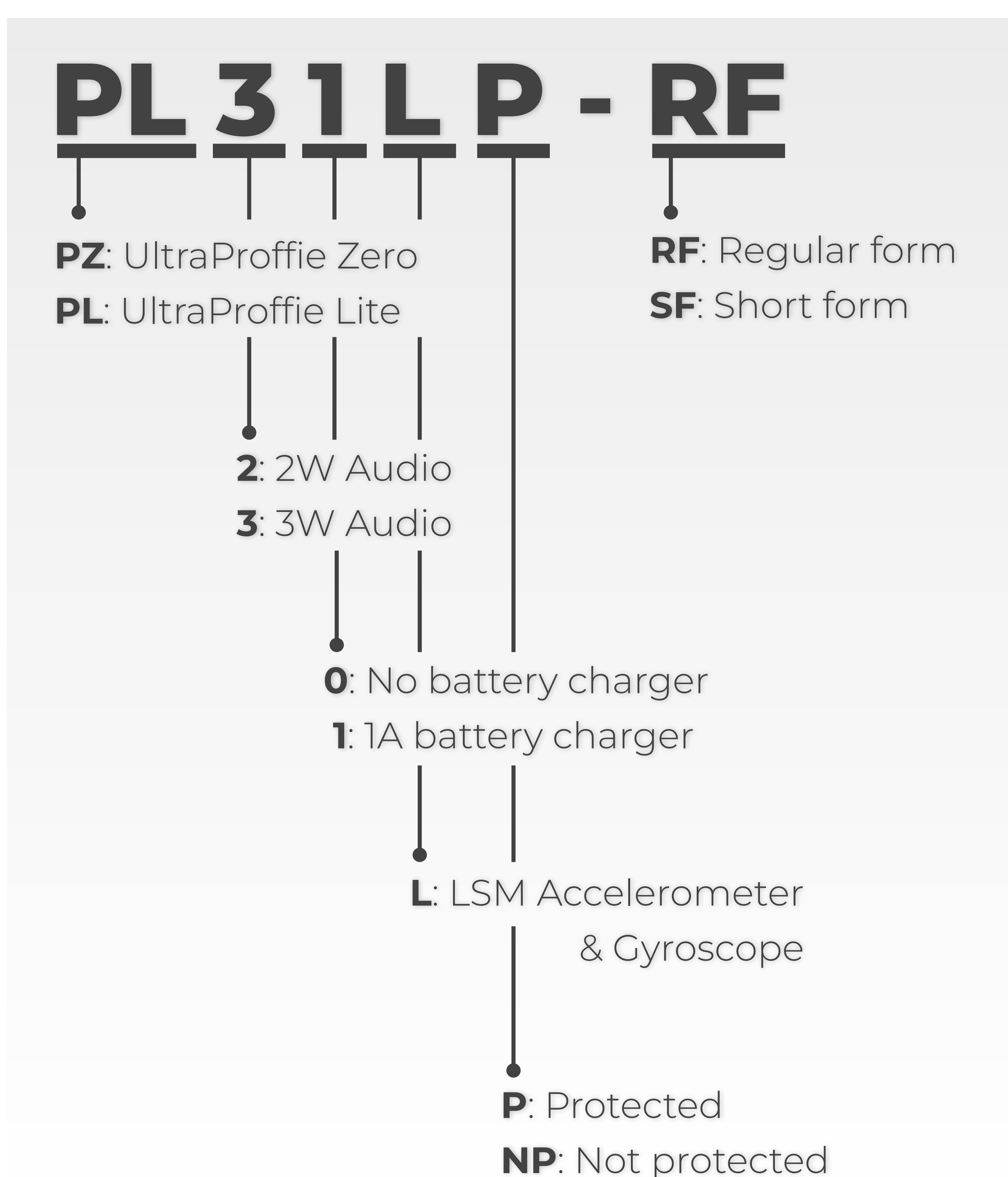
- If left IDLE in Combat mode, your saber will eventually switch to STEALTH mode. Any saber action such as a swing or a clash will resume Combat mode.
- If left IDLE in Stealth mode, your saber will eventually POWER OFF.
- If there's not enough energy in your BATTERY to maintain the Force, your saber will automatically POWER OFF.

Maintenance

- If unused for more than a few weeks, remove the battery or recharge it periodically.
- Visit www.ultraproffie.com regularly for updates.

Troubleshooting

- Nothing happens when I press the power button.** → 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.
- When I press the button the saber just plays a sound but doesn't light up.** → The battery is discharged. Replace or recharge the battery.
- The saber doesn't respond to any command.** → Remove the battery, wait a few seconds, then reinsert the battery. Software glitches are rare but easily fixed.
- Can't access the extension connector, it is sealed.** → Your saber's warranty is still valid. Unauthorized access to the extension connector will void the warranty.
- The hilt gets warm.** → 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.
- I need technical assistance.** → Contact Ultrasabers Customer Support at info@ultrasabers.com



Technical Specifications

Supply Voltage	3.2 - 4.2 [Volts]
Supply Current	Maximum: 6.9 [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
Analog LED Channels	4
Pixel Channels	2
Processor	ARM Cortex M4, 256 [kBytes] Flash, 64 [kBytes] RAM - STM32L431 @ 80 [MHz]
Storage Memory	Removable MicroSD Card
Data Interfaces	UART, I2C, SWD