

Luminate[®]

XY

Wireless Controller



User Manual

www.luminatefx.com

Hardware

Basic

XY Controller has two 5-way directional switches, each of which can be pushed up, down, left, right, and center, for a total of 10 switches (X1 to Y5). Switching with your fingertips is easy and intuitive, similar to using a pickup selector switch.



The XY Controller can be attached to any instrument using its nano pads on the bottom. These pads work like geckos' feet without any chemical adhesives. They can be attached and removed multiple times and are safe for all kinds of guitar finishes.

Experiment with different positions to see what works best for you. You may want to move the controller closer to your picking hand for quicker switching or further away for more room while strumming. Here are some good starting points:



Pairing

A Graviton pedal can pair with up to 10 XY Controllers, and each controller can be individually configured. This is useful when you have multiple instruments, as each instrument can have its own dedicated XY Controller. Alternatively, you can also mount multiple XY Controllers to a single instrument.

To pair a XY Controller to a Graviton Pedal, navigate to Settings > Wireless > XY Controllers > Tap on an empty slot > Hold your controller with the XY logo as shown, then push both switches to the up position together until the XY Controller name is in the selected slot.

In very rare cases, if you have issues with the XY Controllers signal being intermittent (strong interference from the surrounding environment), you can try changing to another wireless channel. (Setting > Wireless > Change Channel). All paired XY Controllers need to be paired again every time you do so.

Power and battery level

There are no physical ON/OFF switches—the intelligent circuit activates when in use and deactivates when idle. This prevents users from unintentionally draining the battery by forgetting to turn it off before storing the controller in their guitar case.

The battery level is shown as a green percentage number in the top-right corner of the screen. If there are multiple XY Controllers or Wireless Footswitch Pedals paired, the battery level of the last activated controller is displayed.

Features

- **Low-profile design:** Minimizes changes to the instrument's look and playability (compatible with whammy bars).
- **Simple operation:** With no power button to worry about, it always works like a pickup selector switch.
- **Fully programmable:** With 10 switches that can be assigned to send MIDI, switch banks or songs, and more.
- **Advanced wireless:** 650ft (200m) range; encrypted signal; strong interference resistance.
- **Ultra-long battery life:** 1 month per charge.
- **Tactile, silent, and reliable switches:** Rated for 100,000 clicks, many times more than most footswitches.

Specifications

- Wireless Range: 650ft (200m).
- Wireless Frequency: 2.4Ghz
- Switches lifetime: 100,000 clicks.
- Latency: 60ms.
- Power Input: USB Type-C.

- Charging Time: 1 hour.
- Battery Life: 1 month.
- Width x Depth x Height: 2" x 0.88" x 0.51" (53mm x 22.4mm x 13mm).
- Weight: 2.12oz (60g).

Software

See the Graviton M1 / M2 manual for more details on how to use your XY Controllers with Graviton Series pedals.