



XY MIDI pad

TOUCH SCREEN MIDI
CONTROLLER KIT FOR ELECTRIC GUITAR

The "XY" text is in a large, bold, red font. To its right is a diagram consisting of a vertical double-headed arrow pointing up and down, and a horizontal double-headed arrow pointing left and right, intersecting at the center. The "MIDI pad" text is in a large, white, sans-serif font. Below it, the text "TOUCH SCREEN MIDI CONTROLLER KIT FOR ELECTRIC GUITAR" is written in a smaller, white, uppercase, sans-serif font.

USER MANUAL

ENGLISH

INSTALLATION

XY MIDIPad is intended to be installed by professional luthiers and guitar repair/custom shops only. It requires significant woodworking, as well as having appropriate tools and being able to use them in a safe manner. AmpTone Lab cannot be held responsible for any damages that may occur during installation.

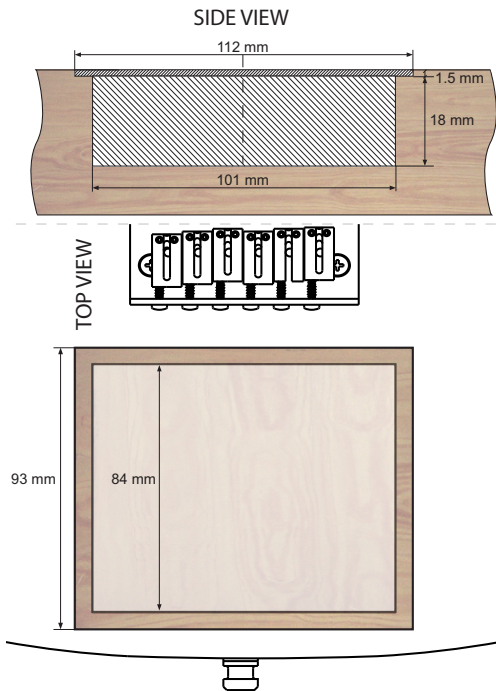
MAIN CAVITIES

XY MIDIPad needs to be installed inside electric guitar body. XY MIDIPad installation requires you to route out two cavities behind your guitar bridge.

The first cavity should measure **112 x 93 mm**. It should be very shallow (**1.5 mm**). This is where the touch screen will be placed. The second cavity should be made inside the first one, right in the middle of it. Recommended dimensions for the second cavity are **101 x 84 mm**. It should be **16 to 19 mm** deep (17.5 to 20.5 mm measuring from the guitar body top).

CONTROL CAVITY

XY MIDIPad kit comes with additional components, which need to be connected to the controller unit. These components are **hold button**, **on-off toggle switch**, **battery clip**, **rotary encoder** and **MIDI connector**. The aforementioned components can be installed wherever you feel comfortable with having them. The best place for the on-off toggle, rotary encoder and hold button is probably the control cavity where your guitar pots are located. As far as MIDI connector goes, the most convenient place for it is right next to your guitar output jack. After mounting these components, all that is left is to connect all components to their respective connectors on XY MIDIPad controller unit.



SETUP AND USAGE

For a direct connection between XY MIDIPad and the controlled device, you need to use a standard MIDI cable (DIN5). You can connect it to any MIDI device which responds to its messages (see the MIDI table below).

HOLD MODE: The pushbutton activates controller's Hold mode. When hold mode is active, XY MIDIPad will not be sending messages related with touch action.

ECONOMY MODE: If you are concerned about power consumption, you can use XY MIDIPad in economy mode in which the controller does not use the main LED for visual effects. To activate or deactivate economy mode, hold the XY MIDIPad pushbutton while starting it up.

SWITCHING PROGRAMS: XY MIDIPad allows you to switch between programs of the controlled device. To do so, you need to twist the rotary encoder. XY MIDIPad sends Program Change messages within 0-127 range.

SWITCHING MODES: XY MIDIPad offers 4 different controller modes, each sending different MIDI message set (see the MIDI table below). To switch between modes, press and hold the rotary encoder for 1 second. Mode will be indicated by the number of red LED flashes.

COMPATIBILITY: XY MIDIPad uses default settings of devices used in modes 1 and 2. You may, however, need to reset the device's MIDI channel. Please refer to this device's manual to find out how to set the MIDI channel.

Mode	Default devices	MIDI ch.	X-axis	Y-axis	Touch	Rotary encoder
1	Korg KP2, KP3, KP3+, Kaossilator Pro, Kaossilator Pro+	1	MIDI CC12 (0-127)	MIDI CC13 (0-127)	MIDI CC92 (0; 127)	Program Change (0-127)
2	DigiTech Whammy 4, Whammy 5, Whammy DT, Bass Whammy	2	MIDI CC11 (0-127)	MIDI CC10 (0-127)	MIDI CC0 (0; 127)	Program Change (0-127)
3	MIDI hardware synthesizers, MIDI software synthesizers	3	Note On, Note Off MIDI notes range: C4-B4; Velocity: 100	MIDI CC7 (0-127)	MIDI CC14 (0; 127)	Program Change (0-127)
4	MIDI drum machines, MIDI drum samplers, MIDI drum synthesizers	10	Note On, Note Off MIDI notes: bass drum, snare, open hi-hat, crash; Velocity: 100		MIDI CC15 (0; 127)	Program Change (0-127)

Congratulations on the purchase of **XY MIDIPad**, a touch screen MIDI controller.

WHAT IS XY MIDIPAD?

XY MIDIPad is a MIDI controller mounted in an electric guitar body. It enables user to control any MIDI device using the controller's touch screen.

COMPATIBILITY

XY MIDIPad message sets are configured to work with the following devices:

- Korg Kaoss Pad KP2
- Korg Kaoss Pad KP3
- Korg Kaoss Pad KP3+
- Korg Kaossilator Pro
- Korg Kaossilator Pro+
- DigiTech Whammy 4
- DigiTech Whammy 5
- DigiTech Whammy DT
- DigiTech Bass Whammy
- MIDI synthesizers
- MIDI drum synths/samplers

XY MIDIPad will also work with any MIDI software and hardware, as long as it responds to its transmitted messages.

INCLUDED ITEMS

Items included in the box:

- **XY MIDIPad controller unit**
- **Touch screen**
- **Touch screen frame**
- **Light diffuser plate**
- **Pushbutton switch**
- **Rotary encoder (with pushbutton)**
- **MIDI connector**
- **On-off toggle switch**
- **Battery clip**
- **9V battery (non-rechargeable)**
- **Screw set**
- **This document (User Manual)**

MORE INFORMATION

For more information on XY MIDIPad, please contact us or head over to our website www.amptonelab.com.

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