



# MIDI STRIP

MIDI CONTROLLER KIT  
FOR ELECTRIC GUITAR

USER MANUAL

ENGLISH

## INSTALLATION

*MIDI Strip 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

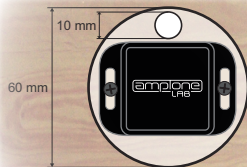
MIDI Strip comes in a form of an easy to assemble kit which needs to be installed inside an electric guitar body. After planning where you are going to place all the components, the best place to start installation is making a cavity at the back of your guitar. This cavity will hold the MIDI Strip controller unit. It should be **16 mm** deep and its diameter should be approximately **60 mm**. You may prefer to make the rectangular cavity instead – in this case its dimensions should be approximately **60 x 50 mm**. This cavity should be placed directly under the strip's connector. After routing this cavity, you will need to connect it with the touch strip on the guitar top. To do so, drill a **10 mm** hole from your guitar body top right to this cavity. After that you can place and mount the touch strip – strip's connector will go through this hole.

### CONTROL CAVITY

MIDI Strip 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**, **MIDI connector** and **status LED** (connecting the LED is not necessary).

The aforementioned components can be installed wherever you feel comfortable with having them. The best place for most of them is 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 the MIDI Strip controller unit.

### BACK VIEW



### HOLES DIAMETERS

Component	Hole diameter
(1) Rotary encoder	6 mm
(2) MIDI connector	15 mm
(4) Pushbutton switch	12 mm
(5) On-off toggle switch	5 mm
(6) Resistive strip	10 mm
(7) Status LED	7 mm

## SETUP AND USAGE

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

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

**REVERSE MODE:** If you are not happy with the minimum and maximum positions on the touch strip, it is possible to reverse their positioning. To activate or deactivate reverse mode, hold the MIDI Strip pushbutton while starting it up.

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

**SWITCHING MODES:** MIDI Strip 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 LED flashes.

**COMPATIBILITY:** MIDI Strip 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.	Touch strip	Touch event	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 CC10 (0-127) MIDI CC11 (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: 60-71 (C4-B4) Notes velocity: 100	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: 36, 38, 46, 49 (bass drum, snare, open hi-hat, crash) Notes velocity: 100	MIDI CC15 (0; 127)	Program Change (0-127)

Congratulations on the purchase of **MIDI Strip**, a guitar MIDI controller kit.

## WHAT IS MIDI STRIP?

MIDI Strip is a MIDI controller mounted in an electric guitar body. It enables user to control any MIDI device using the controller's touch-sensitive strip.

## COMPATIBILITY

MIDI Strip 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

MIDI Strip 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:

- **MIDI Strip controller unit**
- **Resistive strip with frame**
- **Pushbutton switch**
- **Rotary encoder (with pushbutton)**
- **MIDI connector**
- **Status LED**
- **On-off toggle switch**
- **Battery clip**
- **Components extension wires**
- **9V battery (non-rechargeable)**
- **Screw set**
- **This document (User Manual)**

## MORE INFORMATION

For more information on MIDI Strip, please contact us or head over to our website [www.amptonelab.com](http://www.amptonelab.com).

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