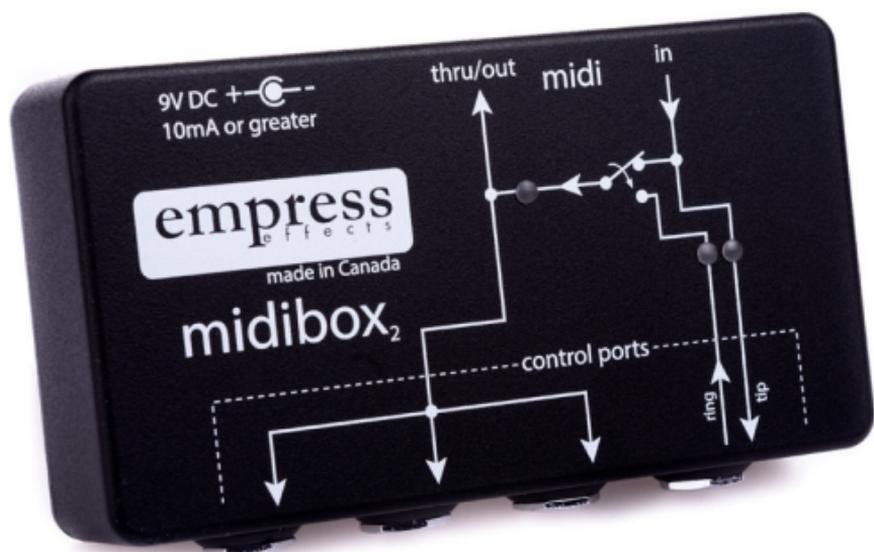




# midibox<sub>2</sub>



user manual

## Introduction

The midibox2 allows you to connect Empress Pedals equipped with a control port to MIDI. It converts the standard 5 pin MIDI cable to a simple guitar patch cable.

**MIDI Thru/Out:** The midibox2 thru/out sends out the MIDI messages that are received at the MIDI in jack. Some Empress pedals, like the Reverb and Echcosystem can also send MIDI out messages. If you wish to use these messages, connect that pedal to the midibox control port marked with the ring return. Then, on the PCB of the midibox, set the dipswitch to “MIDI return on jack 1 ring”. Now MIDI messages from the Reverb or

Echosystem will be sent out all the other control ports and the MIDI thru/out.

**LEDs:** 3 LEDs indicate when MIDI messages are being sent through specific parts of the midibox2 circuit. Use these for troubleshooting or just for making your pedalboard look fancy.

**Set-up Empress Pedals for MIDI:**

Empress pedals do not listen for MIDI on the control port by default. Use the advanced configuration menu on your pedal to turn on MIDI functionality on each Empress pedal you wish to connect to the midibox.

## Connections

**power:** +  - 9V DC  
negative tip 2.1mm jack.  
30mA recommended.  
(10mA should be ok)

**MIDI thru/out:** connect to a standard 5 pin MIDI cable from a compatible source. The MIDI messages received will be sent to midibox2.

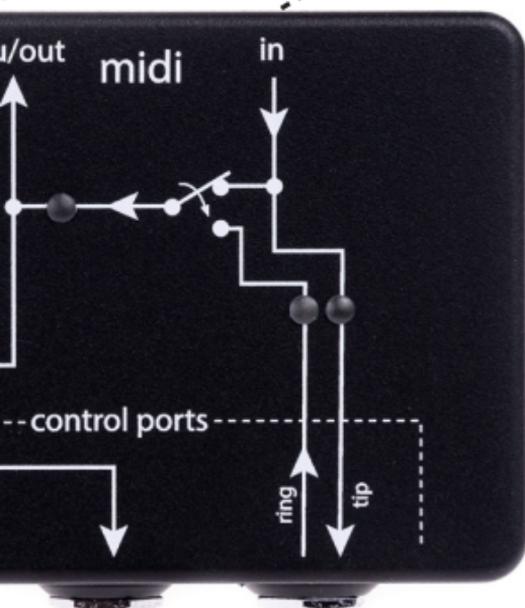


**control ports:** connect this to a control port on your Empress pedal using a standard patch cord. You can connect up to 4 Empress pedals.

# s at a Glance

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**MIDI in:** connect using a standard 5 pin MIDI cable to any MIDI compatible source.



**control port:** This control port can also receive MIDI messages from an Empress pedal and send it to all the other outputs using a TRS cable. Be sure to set the internal dip switch on the midibox2 for this functionality.

## *FCC Compliance*

*Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- Reorient or relocate the receiving antenna.*
- Increase the separation between the equipment and receiver.*
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- Consult the dealer or an experienced radio/TV technician for help.*

*Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules*

## Specifications

MIDI In Connector:	5 pin MIDI
MIDI Thru/Out Conn.:	5 pin MIDI
Control Port Conn.:	¼" TS or TRS
Input Voltage:	9VDC 
Required Current:	30 mA
Power Connector:	2.1mm Barrel
Height:	1.25"
Length:	4.5"
Width:	2.5"
Weight:	0.5 lbs

Visit [empresseffects.com/power.html](http://empresseffects.com/power.html) for a full list of compatible power supplies.

User Manual Version 1.0

# Warranty

Empress Effects products come with a two year warranty against failures resulting from defective parts and/or faulty workmanship. The warranty can be extended to 4 years for free by registering online at:

[www.empresseffects.com/register](http://www.empresseffects.com/register)

The warranty applies only to the original owner of the product. While a product is under warranty, Empress Effects will repair the product free of charge. We reserve the right to cancel the warranty should the product be tampered with, modified or damaged through misuse. Empress Effects liability is limited only to repair and replacement of a defective product. Please contact Empress Effects before shipping a product to us.