

# MIDI Box Manual

## Introduction



Welcome to your Morningstar MIDI Box. This MIDI splitter box has been designed from the ground up to offer you what other MIDI boxes do not – many more outputs in a much smaller package. Through a single 5-pin MIDI input, you can split your MIDI signal into 8 isolated 3.5mm TRS MIDI outputs. Your input MIDI signal can also continue to flow via the 5-pin MIDI Thru port.

## Hardware



**MIDI IN** - 5-pin MIDI input for the MIDI Box to receive MIDI.



**MIDI OUT** - 5-pin MIDI thru for the MIDI Box to pass on incoming MIDI.



**9VDC** - Power the MIDI Box with a standard 9v DC centre-negative power supply with a minimum current draw of 20mA.

**⚠** Use only 9V DC power. Using higher voltage will damage the device.

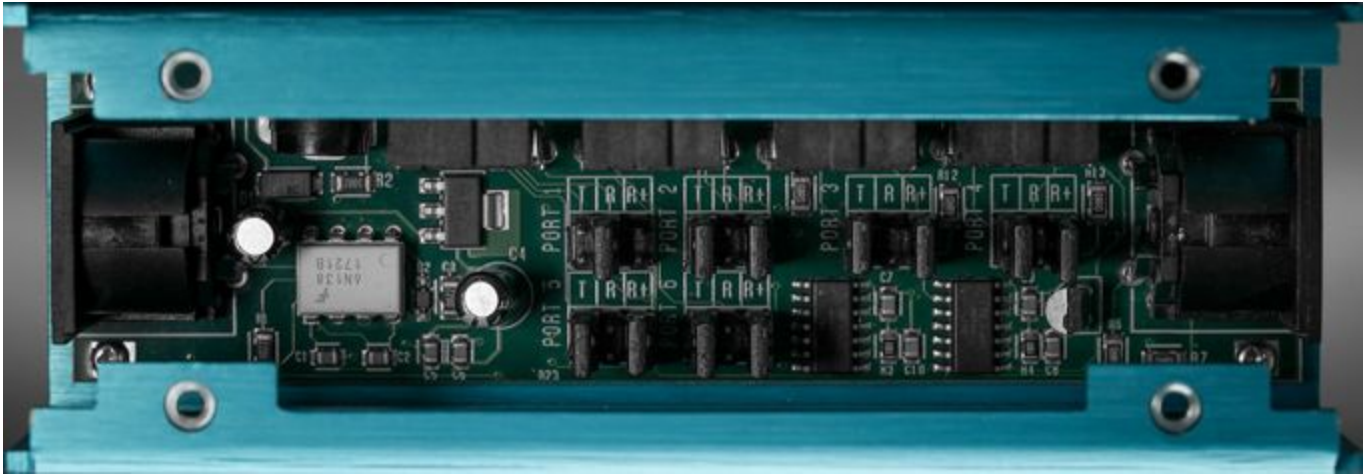
**Ports 1 to 6** - 3.5mm TRS MIDI outputs that are tip/ring switchable. This makes the Morningstar MIDI Box compatible with all MIDI devices whether they receive MIDI via the tip or ring. This is all done via the internal jumper switches. More details on how to do that here.

**Ports 7 and 8** - 3.5mm TRS MIDI outputs that are non-switchable. These ports only send MIDI via the tip according to the MIDI standard.

**MIDI Indicator Light** - The LED light will flash when MIDI is being received by the MIDI Box.

**Power Indicator Light** - The LED light will be on when the MIDI Box is powered.

## Internal Jumper Switches



The internal jumper switches allow you to configure each port 1 to 6 to send MIDI via the tip or ring. You can also choose to have the ring powered or floating as some MIDI devices require. This makes the MIDI Box compatible with any MIDI TRS MIDI device.

**T** : Tip. When a jumper switch is in position at T, MIDI data will be sent via the tip.

**R** : Ring. When a jumper switch is in position at R, MIDI data will be sent via the ring.

**R+** : Ring Powered. When a jumper switch is in position at R+, the ring will be powered. When left empty, the ring will be floating.

The following photos show you the possible configurations for each port (port 5 shown in this case):



**MIDI sent via the Tip**

**Ring Powered**

This is the MIDI Standard configuration adopted by most pedals including Boss and Jackson.

**MIDI sent via the Ring**

**Ring Unpowered/Floating**

This is the MIDI configuration adopted by Chase Bliss Audio' TRS MIDI pedals.

**MIDI sent via the Tip**

**Ring Unpowered/Floating**

This is the MIDI configuration adopted by Meris and Empress.

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