PM

THINK LESS. CREATE MORE.

CLICK

MIDI INTERFACE & RELAY SWITCHER

This device was created and designed to empower your creativity.

It is the result of many long nights and early mornings. It is born from the desire to bridge the gap between musician and instrument, and we want to say a huge thank you for your support. Our brand is built around a strong community and we hope you love your new PIRATE MIDI creation as much as we do.

The PIRATE MIDI team.

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CLICK User Manual

DEVICE DESCRIPTION

introduction to your new MIDI interface

The **CLiCK** is a 1 in/1 out **USB MIDI Interface & relay switcher** for adding MIDI Control to amp channels, control ports, and other auxiliary controls on any kind of music or effects device.

The TRS ¼" jack has a relay for the **Tip** and a relay for the **Ring**, which means with a **Split-Y cable**, you can control 2 devices that use TS cables for external switch control.

Some **common favourites** for the Click include:

- Guitar amplifiers
- Strymon Fave switch substitute
- Delay pedals with tap tempo switch inputs
- Pedals with external switch support (e.g. JHS Red Remote)
- Pedal with aux switch inputs

The Click doesn't necessarily need to be connected to a MIDI controller.
It **can also be controlled by a simple 3-way aux switch** via the MIDI in 3.5mm TRS jack. Control messages can also be sent via the USB MIDI interface, so a computer can remotely switch the relays via USB.

Power the Click with USB or standard 2.1mm centre negative DC jack.

TECHNICAL SPECS

all important specification

DIMENSIONS

Metric (70x43x22 mm)

Imperial (2.7"x 1.7"x 0.86")

WEIGHT

Metric (80g)

Imperial (2.8 oz.)

RELAYS

2 (34 Volts @ 1A)

POWER REQUIREMENT

9 Volts DC (@ 150 mA)

or 5 Volts USB

BOX CONTENTS

1x CLICK MIDI Relay Interface

1x USB type C cable

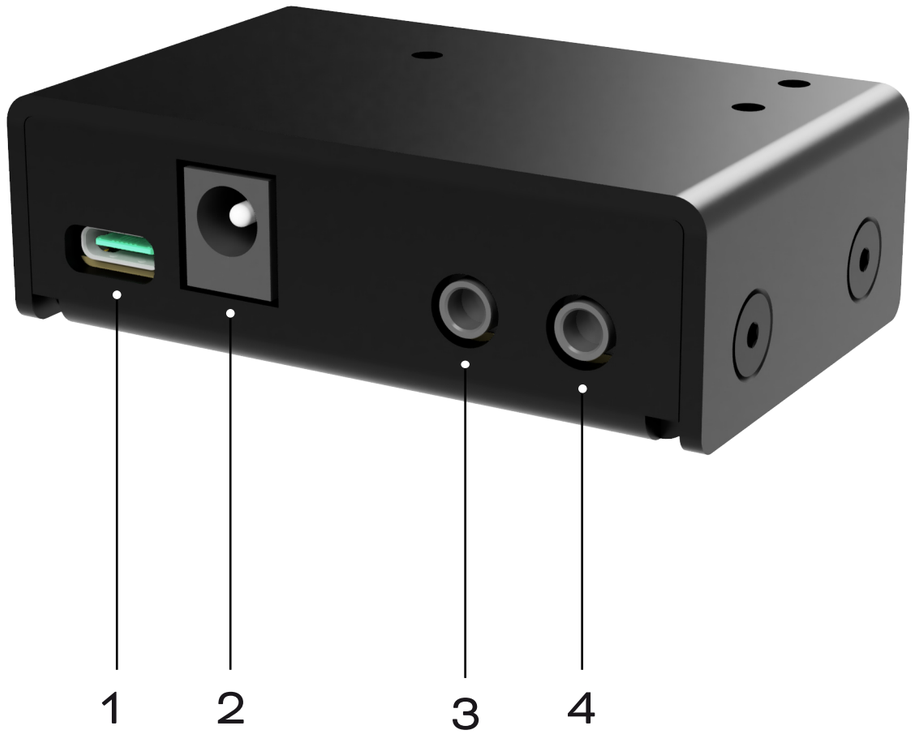
1x Getting Started Card

LINK TO DOWNLOADS:

https://learn.piratemidi.com/downloads/firmware-updates

HARDWARE LAYOUT

quick overview of top interface



1 USB type C (cable included) for USB MIDI, editing the device with the app, and powering the device.

2 2.1mm 9v DC barrel jack - as standard on most effects pedals and power supplies.

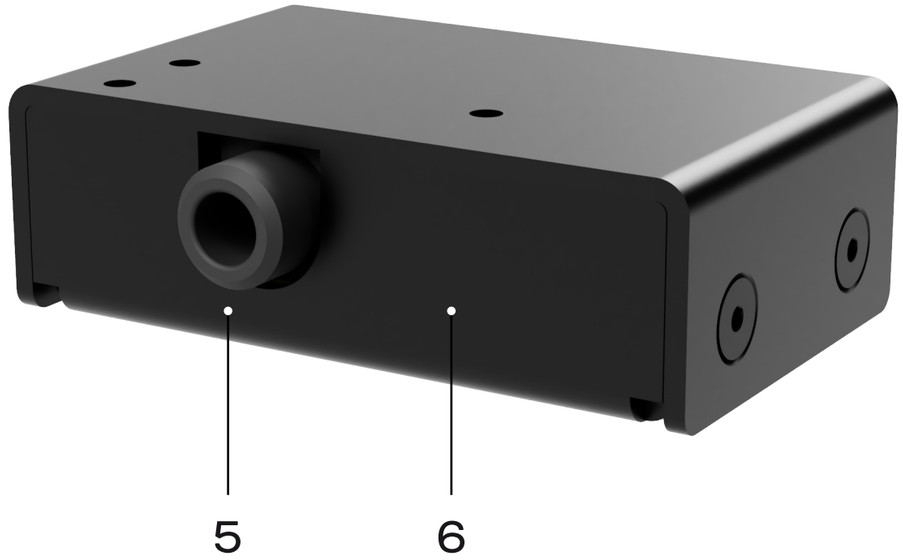
3 Dedicated 1/8” (3.5mm) TRS MIDI In conforming to the MIDI.org specification

4 Dedicated 1/8” (3.5mm) TRS MIDI Out conforming to the MIDI.org specification. Also switchable between Type A, Type B, or dual outputs for split-y MIDI cables.This can power a CME WIDI Jack.

Mode can be changed to work as an Aux Switch input.

HARDWARE LAYOUT (CONT.)

quick overview of other inputs and outputs



5 ¼” (6.35mm) TRS Relay Switch port for switching non-MIDI devices.

6 Heavy-duty aluminium enclosure with black anodising. Scratch-resistant and no flex.

QUICK START

Getting started with the basics

1. Power

Power the CLiCK with a type-C USB cable, or a 2.1mm centre negative 9V DC power supply.

The CLiCK requires 150mA to function correctly.

2. Connecting MIDI

You can take your CLiCK straight out of the box, plug in a MIDI controller, and send CC's to switch the relays.

Send CC 0 to control the Tip relay, CC 1 to control the Ring relay, and CC 2 to control the Tip and Ring simultaneously.

See the MIDI Implementation on page 15 for full details.

3. USB MIDI Interface

Any MIDI sent to the MIDI In TRS port on the CLiCK will be passed through to the USB MIDI port on the device. Likewise with USB MIDI being passed to the MIDI out TRS port.

Even without using the relay function, you can use this is a super compact 1x1 USB MIDI interface.

Check that your CLICK firmware is up to date. Updates are released periodically adding new features and bug fixes. Go to: https://learn.piratemidi.com/downloads/firmware-updates

QUICK START (CONT.)

Getting started with the basics

- **QUICK TIP**

  Check whether the device you're trying to control with relays is meant to be switched with a TS or TRS cable. Using the wrong type may cause the switching on your target device to not work properly.

1. DEVICE INTERFACE

What it all does

1/4” (6.35mm) TRS Relay Switching Port

The relay switching port is designed to be used with a TRS cable. This cable can be terminated as a single TRS cable, or as a split-Y TRS to 2x TS cables. This port will send the analog switch signals from the CLiCK to your target device/s.

1/8” (3.5mm) TRS MIDI In & Out Ports

The MIDI In port is a Type A TRS MIDI port for receiving MIDI messages that are intended to control the relay switching port, or for passing through to the USB when being used as a compact USB MIDI interface.

The MIDI Out port is also a Type A MIDI port. This port will send MIDI messages from the USB MIDI, and pass it onto other devices, or it can be used to daisy-chain MIDI devices so that your CLICK doesn’t have to be the last MIDI device in the chain.

The MIDI Out port can also be used to plug in a TRS 3-way aux switch to control the relays without needing to use MIDI at all.
Triggering the Tip on the aux switch will toggle the Tip relay.
Triggering the Ring on the aux switch will toggle the Ring relay.
Triggering the Tip+Ring on the aux switch will toggle the Tip+Ring relays.

Power/Data LED

The LED in the CLiCK logo will show solid when the device is powered. When MIDI data is passing through the device - either via USB or the 1/8” (3.5mm) TRS MIDI ports - the LED will flash.

Tip/Ring Relay LEDs

Both of the relays in the CLiCK have an indicator LED to show when the switch is closed. T=Tip, and R=Ring.
When the light is on, the relay is closed, completing the circuit and pulling the switch low. You can have the LEDs act as normally open or normally closed based on how you send the MIDI messages. By sending CC value 127 on switch press, and 0 on release, you will create a normall open config. Reversing the CC values will create a normally closed config.

2. POWER

let’s turn this thing on and get going

You can power your CLICK with either a USB cable, or a centre-negative 9v DC jack (2.1mm) commonly used for guitar pedals.

Centre-Negative DC Power USB Power

Switching Power Sources

The CLiCK uses smart power switching so you can have both plugged in at once, and if you need to remove one or the other, the unit will seamlessly switch power sources without shutting down or restarting.

Power Requirement

If you’re using a 9v DC power supply, please make sure it is able to supply the required 200mA.

3. PRESETS & MIDI CHANNEL

Saving your settings

Preset Up & Down

There are **127 presets** available for you to customise. Sending **MIDI CC 4** will advance to the next preset, and sending **MIDI CC 5** will go to the previous preset.

Save A Preset

To save the current settings as a new preset, send **MIDI CC 3** and set the CC value to the preset number you want to overwrite.

Go to a Preset

To go directly to a particular preset, you can use CC's or PC's. Send CC 6 with your chosen preset number as the value (0-127). Or send a PC message of your chosen preset number (0-127).

MIDI Channel

Out of the box, your CLiCK will respond to any MIDI channel. If you want to change the MIDI channel so that it only listens to MIDI messages sent with its specific channel number, send a MIDI message of CC 7, with any value. This will tell the CLiCK to listen for the MIDI channel of the next message.

Next you will need to send **another** MIDI message, **of any kind**, and whichever channel the message is sent on, that is the channel your CliCK will set itself to.

4. USB MIDI INTERFACE

An interface for your pedalboard

The CLiCK is a class-compliant USB MIDI device. You can plug it into any USB host device like a PC, Mac, Phone, or Tablet and you will see the 1 In/1 Out MIDI device show up in apps that support MIDI devices. This means you can send MIDI into and out of your computer using the CLiCK!

It does not have USB host capability, so it cannot connect to a MIDI controller directly via USB nor power anything via the onboard USB port.

Sending the appropriate MIDI from your USB device to the CLiCK will allow you to switch relays and recall/save presets from your computer.

MIDI Thru to and from the 3.5mm TRS jacks can be switched on and off with CC's 9 & 10. See the MIDI Implementation chart on page 15 for details.

No Need For Relays? Still Awesome.

Even if you have no use for the relay switching features of the CLiCK, we think it's a really good option for adding USB MIDI interfaces to small form-factor pedalboards, or even just to have a USB MIDI interface handy in your gigbag or on your work desk.

5. AUX SWITCH INPUT

No MIDI required!

3-Way Aux Switch

By plugging a TRS 3-way switch into the MIDI Out port of your CLiCK, you can toggle the relays without using any MIDI at all. This could be super helpful for controlling a non-MIDI pedal that happens to be hiding away in an awkward spot on your pedalboard or rack.

To change the MIDI Out jack to Aux Switch mode, send a MIDI message to the CliCK.
CC 8, Value 127

Generally speaking (although it can be opposite with some brands) the switch that triggers the Tip on the Aux switch will toggle the Tip relay on the CLiCK. Ring for Ring, and Tip+Ring for Tip+Ring relays together.

Some brands may differ in which TRS contacts they use, but because it's plug and play with no setup, you'll be able to figure it out in about 30 seconds by looking at how the aux switch makes the Tip and Ring LEDs on the CLiCK change.

The PIRATE MIDI Aero (Coming Soon) is an aux switch AND a MIDI controller. It would be an excellent companion for this feature!

6. MIDI IMPLEMENTATION

Controlling the CLICK with external MIDI commands

The CLiCK can be controlled by MIDI from an external MIDI device via the dedicated MIDI In (3.5mm TRS) or USB MIDI.

Details on setting the MIDI channel are found in chapter 3.

These MIDI assignments are included in the PIRATE MIDI Device Library. If you are using a BRIDGE controller, you can probably ignore this part!

FUNCTION	MIDI CC#	VALUE
Relay Control		
Tip Relay	0	Off=0, On=127, Toggle=64
Ring Relay	1	Off=0, On=127, Toggle=64
Tip+Ring Relay	2	Off=0, On=127, Toggle=64
Preset Control		
Save Current Settings to Preset	3	0-127 (Value=Preset Number)
Preset Up	4	Any (0-127)
Preset Down	5	Any (0-127)
Go to Preset 'x'	6	0-127
Go to Preset 'x' (PC)	PC	0-127
Settings		
Set MIDI Channel	7	Any (0-127) Next message received sets channel number based on the message's channel number.
MIDI Out/Aux Switch Mode	8	MIDI Out=0, Aux Switch=127
USB MIDI Thru to MIDI Out	9	Off=0, On=127
MIDI In Thru to USB MIDI	10	Off=0, On=127

SUPPORT & WARRANTY

Technical help & guarantee

Thanks for purchasing a CLiCK!

If you have any questions, please feel free to contact us via **support@piratemidi.com** or use technical support on **www.learn.piratemidi.com.**

Manufacturing defects are covered by our warranty. Please contact us if your device is defective.

Australian domestic customers are covered by Australian Consumer Law which requires repair or replacement for devices that do not fulfil their advertised purpose.

International (Non-Australian) customers are covered by our own workmanship guarantee. We aim to create a satisfactory outcome for every single customer. Please contact us if you have an issue with your device.

Customer-caused damage may be repairable for a fee. We offer repair services for most components that receive damage. Contact us for details.

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