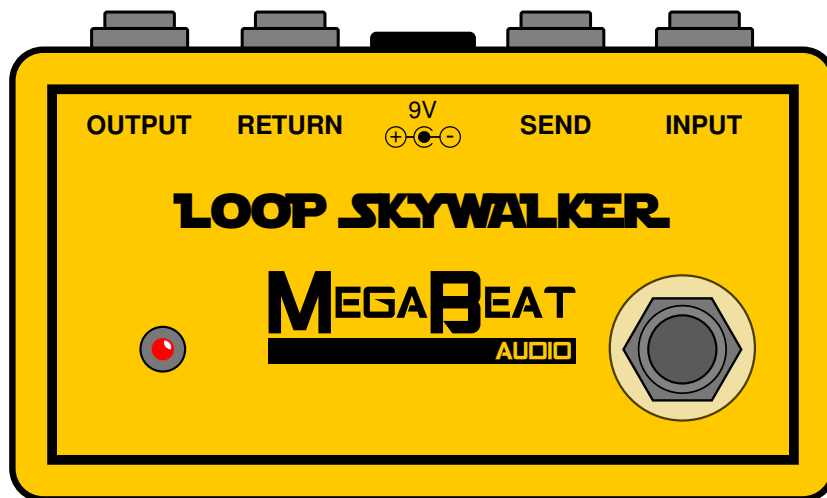


MEGABEAT

AUDIO

Loop Skywalker User's Manual

Revision 2
May 16, 2011



1 Description and features

Loop Skywalker is a versatile audio loop pedal which lets you, among other possibilities:

- Add true-bypass to any pedal
- Switch between two amps
- Switch several pedals with only one footswitch
- Select between two instruments
- Mute a signal or an instrument
- Use as a standard footswitch for other devices
- And much more...

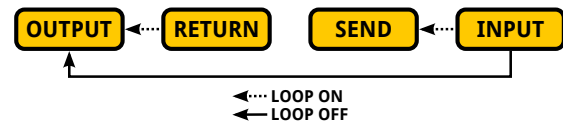
Main features:

- True-bypass to avoid tone-loss
- Completely hand-made by MegaBeat Audio: from design and PCB's to painting and assembling
- Small size enclosure
- Completely passive: power (battery or adapter) is optional and only needed for LED
- Reverse polarity protection
- Neutrik jacks

2 Audio Jacks

Loop Skywalker has 4 audio jacks: Input, Send, Return and Out.

As shown on the next graphic, when the loop is off, signal goes directly from In to Out. When the loop is on, signal goes from In to Send and from Return to Out.



Many different uses can be achieved depending on the setup. For more detailed information, check Setup Examples.

3 Power

Pedal can be powered with a battery or an adapter. Power is only needed for LED so pedal can be used with no power at all. With LED off no energy is used.

Battery This pedal can be powered with a 9V battery. To replace battery dismantle the pedal carefully. Alkaline batteries are recommended.

Power Jack (9V) This pedal can be powered with a 9V DC adapter. Polarity is center negative as indicated on the pedal. Don't connect a wrong polarity adapter even though pedal is protected and nothing would happen.

When an adapter is connected, battery is disconnected automatically to prevent it from discharging.

4 LED & Footswitch

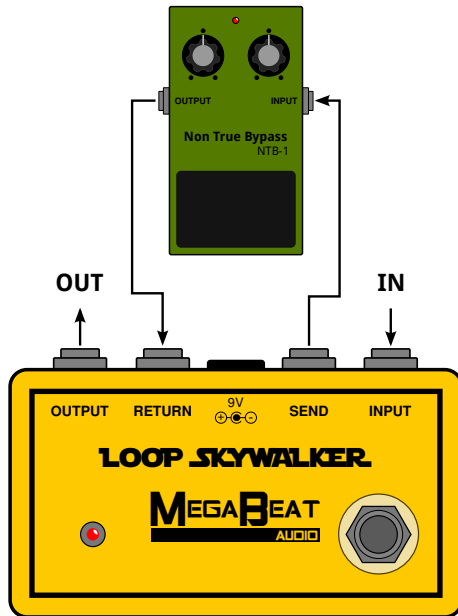
Led shows pedal status. Pedal status is changed by footswitch.

5 Setup Examples

Because of *Loop Skywalker* versatility, many different uses can be found with different setups. Some interesting ones are shown next.

5.1 Add true-bypass to any pedal

Loop Skywalker can add true-bypass to any pedal with the following setup:



Non true-bypass pedal must be always on and is switched by *Loop Skywalker* footswitch.

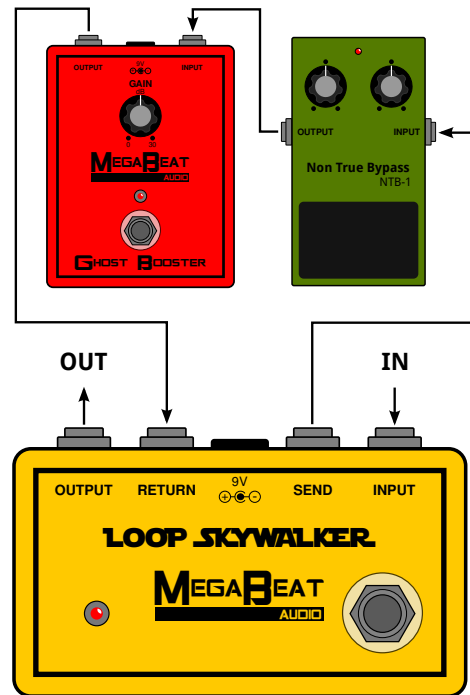
5.2 True-bypassing several pedals with one press

Loop Skywalker can be used to enable/disable several pedals with only one press, adding true-bypass to them also.

The necessary setup can be seen on the following example with two pedals:

¹More generally, any two signal sources can be used.

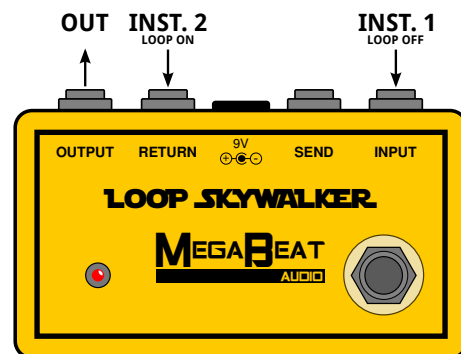
²If both amps share grounding, it can be convenient to isolate the signal to one of them with a transformer to avoid ground loops.



It can be extended to as many pedals as needed.

5.3 2 instruments switching

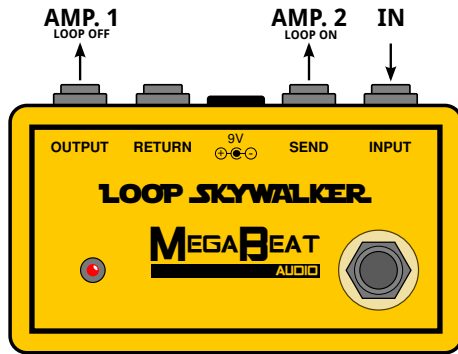
Loop Skywalker can be used to select between 2 instruments¹ with the following setup:



When the loop is off, INST.1 is selected. When the loop is on, INST.2 is selected.

5.4 2 amps switching

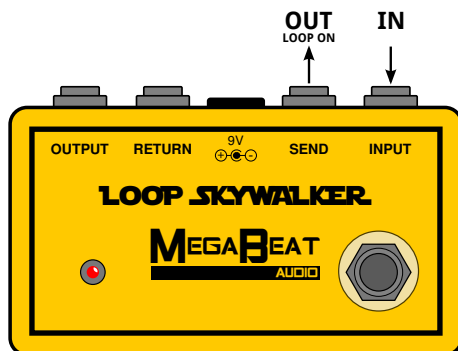
Loop Skywalker can be used to switch between two amps² with the following setup:



When the loop is off, signal would get AMP.1. When the loop is on, signal would get AMP.2

5.5 Muting a signal

Loop Skywalker can mute a signal with the following setup:



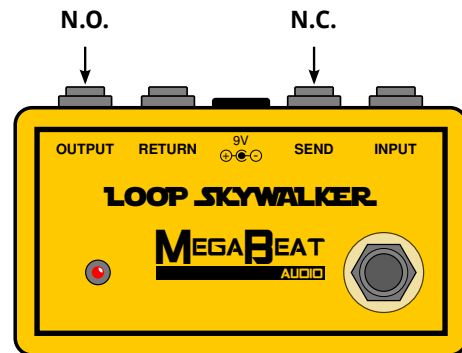
When the loop is on, IN signal would get OUT and when the loop is off, OUT would be muted.

5.6 Use as footswitch

Loop Skywalker can also be used as a standard footswitch for controlling amps channels, effects options, etc.:

There are two kinds of footswitches: Normally Open (N.O.) and Normally Closed (N.C.)³. The most common footswitches are Normally Open (N.O.).

Out works as a Normally Open (N.O.) footswitch and Send as a Normally Closed (N.C.) footswitch.



6 Technical Specifications

- Current draw (on) \approx 8 mA
- Current draw (bypass) = 0 mA
- Dimensions: 113 mm x 60 mm x 55 mm
- Weight (without battery) = 200 g

7 Warranty

MegaBeat Audio provides an excellent warranty for 2 years. Should any of our products fail, contact us by our website (www.megabeataudio.com) and we will repair it with no cost for you⁴ including components and labour and shipping costs.

8 More info

You can find more information, demo videos or contact us at our website:

www.megabeataudio.com

³Normally Open (N.O.) and Normally Closed (N.C.) have opposite behaviour, so if you don't get the expected result, you can use the other.

⁴If failure is not caused by an improper use.

