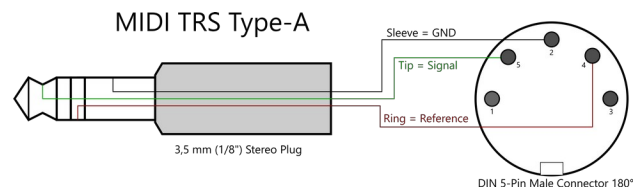


SIREN8X Quick Start

Connections

- **CH A/B/C/D:** 1/4" stereo TRS jacks. Input impedance 1M Ω . Maximum input level 12 Vpp (+14.8 dBu).
- **Output:** Two 1/4" jacks. For use with a TRS stereo jack, use **OUT TRS**, for use with two mono jacks, use **OUT TRS** for Tip and **OUT TS** for Ring. Output impedance 500 Ω .
- **Power:** 9VDC only, Center Negative, Boss-style power supply. Min. 400mA.
- **MIDI In:** 3.5mm (1/8") MIDI Input according to MIDI Standard **MIDI TRS Type-A**.
- **MIDI Thru:** 3.5mm (1/8"), latency-free MIDI Thru according to MIDI Standard **MIDI TRS Type-A**

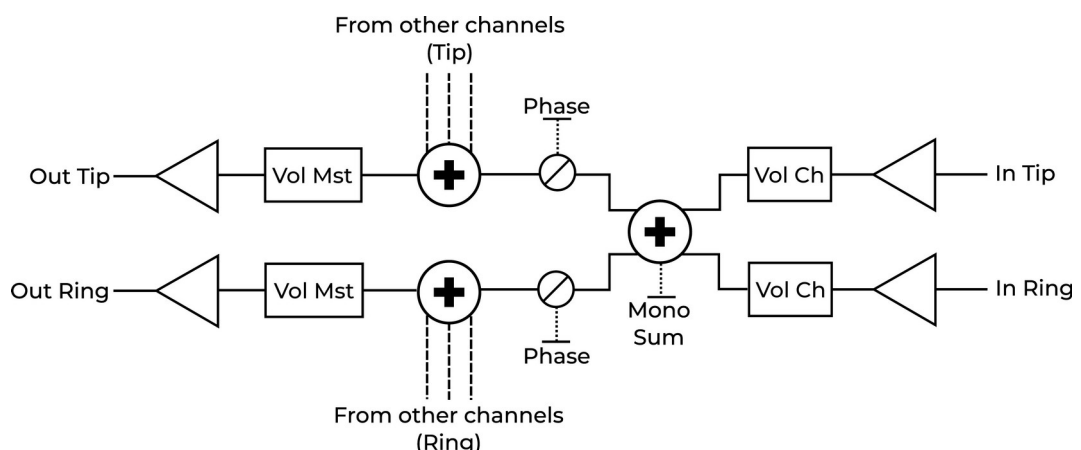


Controls

- **CH A/B/C/D:** This is the channel volume control. Please note, that unity gain is at three o'clock. These knobs can be used to control the volume of tip and ring independently and can be used to set up the LFO (see user manual).
- **OUT:** This is the master volume control. Unity gain is at three o'clock.
- **Channel Buttons:** Each channel features an illuminated button. When all buttons are lit solidly, press a button to select how the channel volume control operates:
 - **Orange:** Controls both tip and ring
 - **Green:** Controls only tip
 - **Red:** Controls only ring
 - **Off:** Disabled
- **Phase LED:** Each channel has two white LEDs. The left LED is the Phase LED. When it is lit, the phase of one or both channels is inverted. To change the phase setting, press and hold the channel button until it starts blinking. Repeatedly tapping the button cycles through the available options: both channels inverted (blinks orange), Tip inverted only (blinks green), Ring inverted only (blinks red), and no inversion. Press the Master button to save the setting.
- **Mono Sum LED:** The right white LED is the Mono Sum LED. When it is lit, the Tip and Ring signals are summed to mono and routed to both the Tip and Ring outputs. To change the mono sum setting, press and hold the channel button until it starts blinking, then press and hold it again to toggle Mono Sum on or off. Press the Master button to save the setting.

Overview

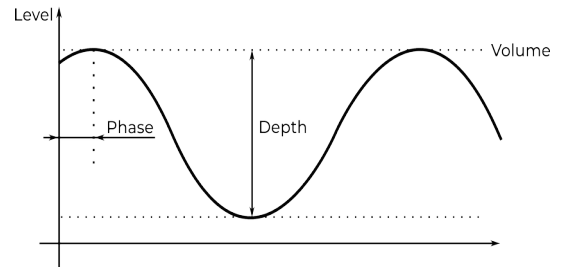
An overview of a single channel is shown below.



LFO

To set up an LFO, proceed as follows:

- Hold the Master button and the channel button of the channel whose LFO you want to configure. The Master button and selected channel button will light up orange, while all other channel buttons turn off.
- Tap the channel button to cycle through the available waveforms. The channel LED provides a visual indication of the selected waveform: Sine, Square, Ramp Forward, Ramp Backward.
- Once a waveform has been selected, use the knobs to adjust the LFO parameters:
 - **CH A:** Controls the volume level.
 - **CH B:** Controls the depth.
 - **CH C:** Controls the speed. With the knob fully counter-clockwise, the LFO is synchronized to MIDI clock. Turning the knob clockwise enables free-running operation with periods ranging from 100 ms to 1.27 s.
 - **CH D:** Controls the phase relationship between the LFOs. Leave the knob fully counter-clockwise to keep all LFOs synchronized. Turning it clockwise shifts the selected LFO relative to the others. At the fully clockwise position, the phase shift is 180°, causing the LFOs to operate in opposite directions.
- When finished, tap the Master button to exit LFO setup mode.



Presets

The **SIREN8X** can store up to 32 presets. For each preset, individual channels can be excluded from being stored.

To save a preset, proceed as follows:

- Hold the Master button until all buttons start flashing.
- You can now tap a channel button or the Master button to select which channels or channel parts will be included in the preset:
 - **Orange blinking:** Both Tip and Ring will be stored.
 - **Green blinking:** Only Tip will be stored.
 - **Red blinking:** Only Ring will be stored.
 - **Off:** This channel will not be stored in the preset.
- After configuring all channels, send the desired Program Change (PC) message (0–31). The preset will be stored and can later be recalled using the same **PC message**.

To cancel the procedure, simply hold the Master button again.

MIDI Channel

The **SIREN8X** ships in omni mode (i.e. it responds to any channel).

To change the MIDI channel, proceed as follows:

1. Disconnect the device from the power supply
2. Press and hold the **Master** button and restore the power while the button is pressed.
3. Once the boot process is complete, all LEDs and buttons will begin flashing. Press the Master button the number of times corresponding to the desired MIDI channel (e.g. twice for channel 2). The **SIREN8X** confirms the selected channel by emitting a series of short flashes corresponding to the channel number.
4. Once the desired channel has been selected, press and hold the Master button. The LEDs will stop flashing, followed by one final flash. The MIDI channel is now stored.
5. Disconnect the supply voltage. The next time the **SIREN8X** is powered on, it will respond to the selected MIDI channel.

To put the SIREN in omni mode skip step 3.