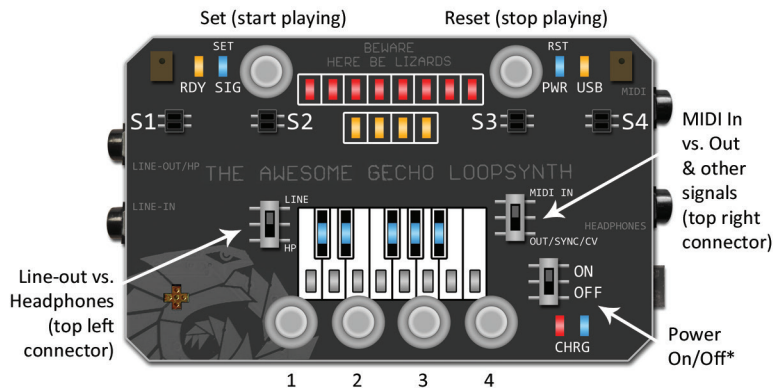


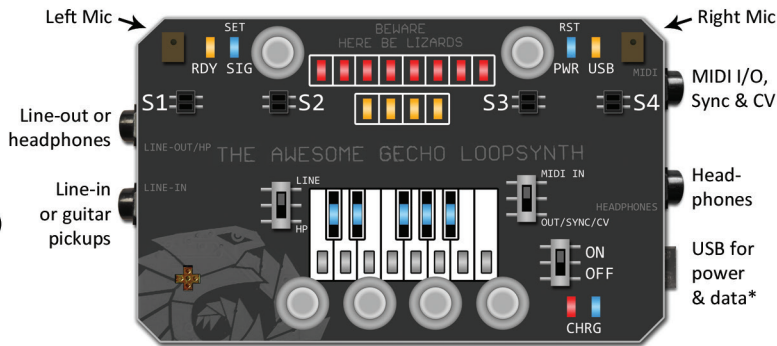
Buttons & Switches



Buttons 1-4 for selecting a channel and navigating other options

*The power switch only disconnects the battery. While powered from the USB, it selects between normal run (ON position) and firmware update mode (OFF position).

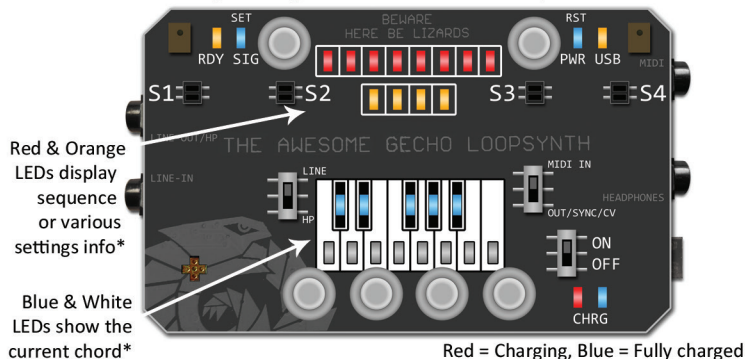
Connectors & Mics



*The USB interface only works in device mode, no OTG (it cannot act as a host for other devices, e.g. MIDI keyboards with USB plug). If connected to a computer, it will show up as a virtual serial port. This is useful for firmware flashing and debugging purposes.

LED Lights & Sensors

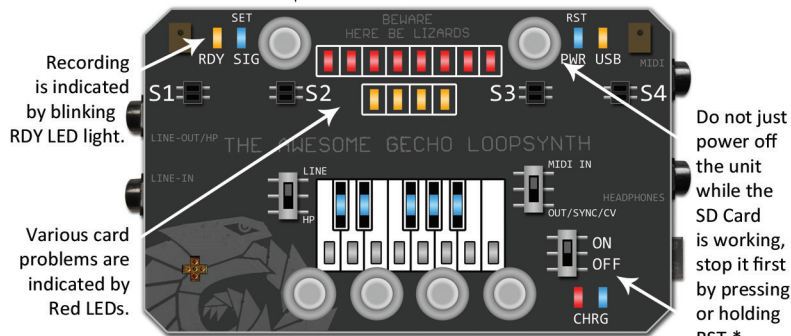
RDY = Ready, SIG = Signal PWR = Power, USB = Data transfer



*All 4 rows of LEDs also indicate S1-S4 proximity sensors activity, if these sensors are enabled (instead of 3D accelerometer), and triggered above zero. Sensors then influence various parameters, depending on currently running channel.

Micro-SD Card

Card slot is under the SET button



During play, hold SET for 1 second to start & stop recording. When idle, doing the same will replay the recently recorded track.

*While recording is in progress, interrupting the SD Card's power may result in loss of data or even a file system corruption. Press RST, and if it does not help, restart the unit by holding RST.

In-play Controls

Active while a channel is running.

Button	Short press	Hold
B1	Channel specific	Volume -
B2	Channel specific	Volume +
B3	Delay length	Input level -
B4	Input select	Input level +

Delay: $\frac{3}{2}$, 1, $\frac{2}{3}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{32}$, $\frac{1}{64}$, $\frac{4}{3}$, $\frac{3}{4}$, 13kS, Off

Input: Mic, Ln, Both Mixed, R Mic+L Ln, L Mic+R Ln, L Ln, R Ln, Both L, Both R, Off

RST+B3: reset echo delay to Off Hold SET: start recording

RST+B4: reset all inputs to Off Hold RST: restart the unit

(to use buttons combinations: hold the 1st button, then shortly press the 2nd button)

Configuration Settings

Accessible while idle. Press SET, then press B1-B4 to select menu item.

SET, then B1:

- B1 All LEDs off
- B2 IRS or Accelerometer
- B3 Acc. axis inversion
- B4 Acc. orientation

SET, then B2:

- B1 AGC level / off
- B2 Auto power off
- B3 SD interface speed
- B4 Sampling rate

SET, then B3:

- B1 MIDI Controls setup
- B2 MIDI Controls reset
- B3 MIDI/Sync mode
- B4 MIDI Polyphony

SET, then B4:

- B1 MIDI RX channel
- B2 MIDI TX channel
- B3 MIDI aftertouch
- B4 MIDI cont. controller

The configuration is explained in detail at <http://gechologic.com/manual>

In-play Settings

Accessible while a channel is running. Hold SET, then press B1-B4 to select menu item.

SET+B1, then:

- B1 - AGC Max Gain
- B2 +
- B3 - Analog Volume
- B4 +

SET+B2, then:

- B1 Bass -9,-6,-3,0,3,6,9dB
- B2 Treble Hold=0dB
- B3 - Tempo Hold=120BPM
- B4 +

SET+B3, then:

- B1 - Transpose Hold=0
- B2 +
- B3 - Tuning Hold=432Hz
- B4 + Tuning Hold=440Hz

SET+B4, then:

- B1 S1
- B2 S2 IR Sensors Override:
- B3 S3 Lock them individually
- B4 S4 at the desired level

(hold button = reset the setting to its default value)

Service Menu

Hold RST while powering on.

With a battery-less unit, first power on, then hold RST while plugging in USB.

Service menu activity is indicated by Red LEDs blinking in alternating pattern (1357/2468). Hold one of the buttons B1-B4, then press SET.

Button+SET

- B1 Write the current config.txt file to SD card
- B2 Reload config.txt file from SD card and restart
- B3 Fall back to the original factory firmware
- B4 Reset the recording file number counter*

While it isn't possible to permanently "brick" your Gecho, please be careful with options B2 & B4 as a mistake may result in loss of data.

*Resetting the counter will start overwriting old files if still present.