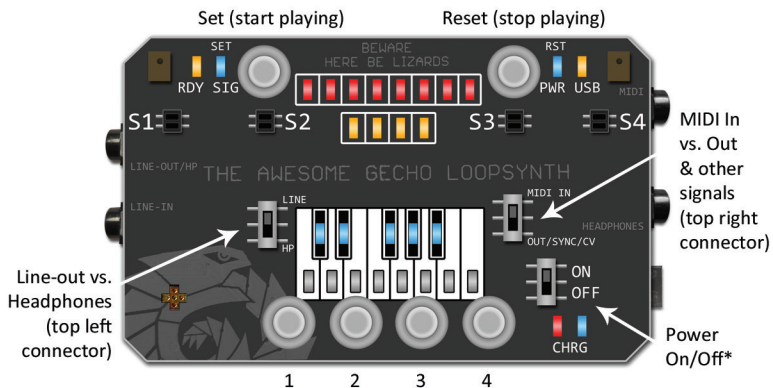


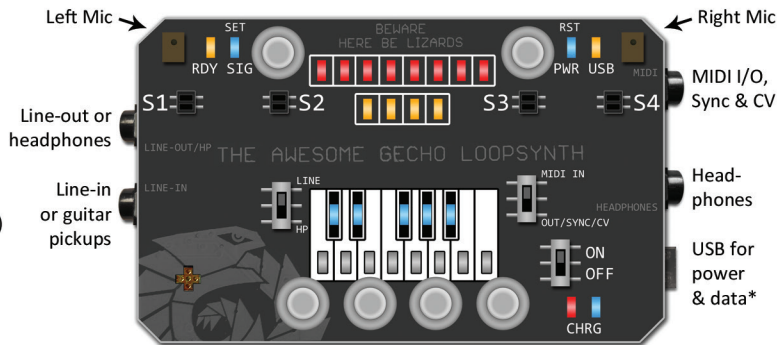
Buttons & Switches



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).

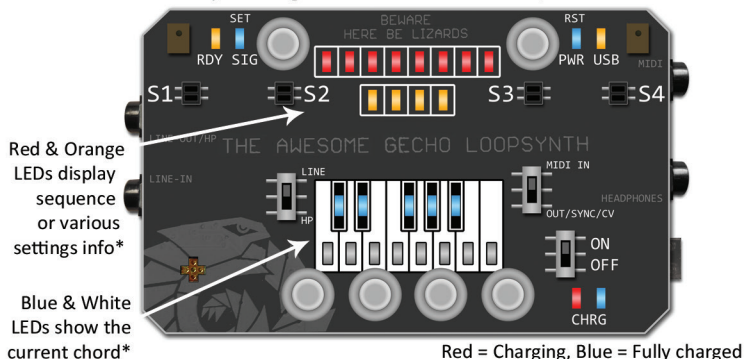
Connectors & Mics



*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

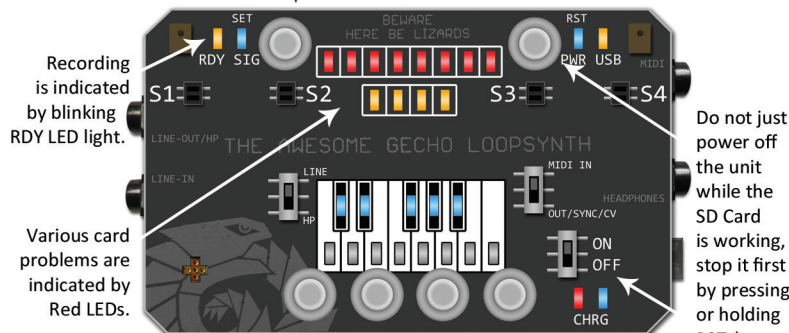


*All 4 rows of LEDs also indicate S1-S4 proximity sensors activity, if these sensors are enabled (instead of 3D accelerometer), and triggered above zero. Sensors then influence various parameters, depending on currently running channel.

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	
B2	
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
B4	+	Hold=120BPM

SET+B3, then:

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

SET+B4, then:

B1	S1	IR Sensors Override: Lock them individually at their current level
B2	S2	
B3	S3	
B4	S4	

(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.