

the GES MIDI Click Box

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Features

- Pulsewidth (tone) controls for Click **1** and Click **2**.
- **BALANCE** control between Click 1 and Click 2.
- **LEVEL** controls for the **OUTPUT** and **PHONES**/Internal speaker.
- Transformer balanced male XLR, **OUTPUT**, with ground lift switch.
- Un-balance 1/4" stereo phone jack, **PRE OUT**. The source of which is pre the output level control.
- Multi function **CLICK 1** or **2**, **TEST/PGM** buttons for testing Click 1 or 2, Sync Pop, or programming the MIDI Click Box modes and MIDI notes/channel.
- Generate Click 1 or 2 with velocity sensitivity (if enabled) and Sync Pop via 5 pin DIN, **MIDI INPUT** connector.
- Generate a Sync Pop with optional adapter cable connected from **MIDI INPUT** connector to a synchronizer event/relay closure device.
- Assign Click 1 and 2 or Sync Pop to a MIDI note and channel via the learn mode.
- Regenerate Clicks from an analog sound source, via the balanced female XLR, **INPUT** connector.
- Play a click at the last tempo.
- Self contained A.C. power supply, 115/230vac operation, 50 or 60Hz.

Operational Overview:

Front Panel

(Listed from left to right.)

Click 1 Pulsewidth (tone). Turning the control clockwise varies the Pulsewidth from wide to narrow.

Click 2 Pulsewidth (tone). Operationally the same as Click 1.

BALANCE. Balances the level of Click 1 and 2. From Click 1 (exclusive) to both Click 1 and 2 to Click 2 (exclusive).

LEVEL OUTPUT. Varies the level at the **OUTPUT** connector from full off to full on.

LEVEL PHONES. Varies the level of the **PHONES**/Internal speaker from full off to full on. Note that plugging into the **PHONES** jack shuts off the Internal speaker.

Functioning of the TEST/PGM (click 1 and 2) buttons (during normal operation)

CLICK 1 and **CLICK 2** buttons when pressed generate their respective clicks.

Playing back the last tempo Click:

The tempo of the last click generated can be played by pressing and holding the **CLICK 2** button until the last tempo click begins to play. The **CLICK 1** button is used to stop the playing of the last tempo click. Note that click tempos are learned for any click generated, i.e. MIDI generated clicks, Regenerated clicks and **CLICK 1 or CLICK 2** test button generated clicks. Also, the learned click tempo is an average of the previously generated click interval, therefore it takes at least 10 or more consecutively generated clicks to play back a tempo accurately.

Reset to factory DEFAULT:

To reset the box to its default state, press and hold both the **CLICK 1 and CLICK 2** buttons until (approx. 2 sec.) the front panel LED's flash in sequence.

The default states are as follows:

- a) The active MIDI channel is set to 16.
- b) Click 1 is set to MIDI note 1 (C#-2 for middle C = C4).
- c) Click 2 is set to MIDI note 0 (C-2 for middle C = C4).
- d) Sync Pop is set to MIDI note 2 (D-2 for middle C = C4).
(*The above mentioned default notes and channel may be custom ordered.*)
- e) Last click tempo playback is set to a 12-0fpb or 120bpm.
- f) The velocity sensitivity is disabled.
- g) Sync Pop is enabled.

SYNC POP button when pressed generates a sync pop.

Functioning of the TEST/PGM buttons (during power up cycle)

Click note/channel LEARN mode:

While turning on the power, if either the **CLICK 1 or 2** button is pressed and held, until the LED above lights up and released within 2 seconds, both **CLICK 1** and **CLICK 2** LED's starts to flash. This indicates that the box is now in the **Click 1 and 2 MIDI note/channel learn mode**, where the first 2 incoming MIDI notes set the channel for the box and MIDI notes for click 1 and 2, respectively. It is important to know, that while in the learn mode there can not be any other MIDI information being broadcast except the 2 MIDI notes in question, i.e. No MIDI beat clock or MIDI sync.

Disabling velocity:

While turning on the power, if the **CLICK 1** button is pressed and held, for longer than 2 seconds, the LED above will go out and a beep will sound indicating that the velocity sensitivity has been disabled. This state stored in non-volatile ram.

Enabling velocity:

While turning on the power, if the **CLICK 2** button is pressed and held, for longer than 2 seconds, the lamp above will go out and a beep will sound indicating that the Velocity sensitivity has been enabled. This state stored in non-volatile ram.

Sync Pop note/channel LEARN mode:

While turning on the power, if the **SYNC POP** button is pressed and held, until the LED above lights up, and released within 2 seconds, the SYNC POP LED starts to flash. This indicates that the box is now in the **SYNC POP MIDI note/channel learn mode**, where the first incoming MIDI note sets the channel for the box and note number for the SYNC POP. It is important to know, that while in the learn mode there can not be any other MIDI information being broadcast except the MIDI note in question, i.e. No MIDI beat clock or MIDI sync. Also, whichever channel you

broadcast on when setting the **SYNC POP** MIDI note/channel will then become the active channel for the box, overriding any previously set channel for the clicks.

Disabling Sync Pop:

While turning on the power, if the **SYNC POP** button is pressed and held for longer than 2 seconds, the lamp above will go out and a beep will sound indicating that the SYNC POP function has been disabled. This state is stored in non-volatile ram.

Rear Panel

(Listed from left to right.)

OUTPUT . Transformer balanced output, on a male XLR, pin 2 hot.

Ground Lift switch. Disconnects the ground from pin 1 of the male XLR, **OUTPUT** connector.

PRE OUT . Un-balanced output, 1/4" stereo phone jack with the sleeve isolated from ground, signal common connected to the ring and signal hot connected to the tip.

INPUT. Electronically balanced input female XLR, pin 2 hot and pin 1 isolated from ground.

MIDI INPUT. 5 pin FM-DIN for MIDI connection and special function on pins 1 and 3 to generate a Sync Pop from a contact closure. Pin 1 is the logic active low input and pin 3 is logic common.

FUSE 150mA SB. Fuse holder for MLD-15/100

115V/230V. Sets the A.C. line voltage.

Important Notes:

! Make sure the **115V/230V** A.C. line voltage selection on the rear panel is correct.