

GSC-5 program upgrade version 1.04 (F/W: GSC5v1.04)

New functions:

- INVERT LATCHING working mode of the SWITCH outputs
- possibility to copy the GSC-5's data to another GSC-5 controller by using MIDI connection

SWITCH OUT MODES

The SETUP > ↓ > SWITCH OUT MODE function (footswitch No. 2) enables to set the working mode of the outputs to control an amp. In terms of working modes the SWITCH OUTPUTS are divided on two sections SWITCH 1-4 and SWITCH 5-6.

Section SWITCH 1-4 can work in the following modes:

- LATCHING – bistable (SF1 according to GSC-2/3)
- PULSE – shorting impulse for 80 ms (SF2 according to GSC-2/3)
- MOMENTARY – unstable switch (SF3 according to GSC-2/3)
- 123=PULSE 4=MTRY – SWITCH 1-3 in the shorting impulse for 80ms mode (PULSE) and the SWITCH 4 in the MOMENTARY mode (SF4 according to GSC-2/3)
- 12=PULSE 34=MTRY – SWITCH 1,2 in the shorting impulse for 80ms mode (PULSE) and the SWITCH 3,4 in the MOMENTARY mode (SF5 according to GSC-2/3)

INVERT LATCHING – bistable with negation*

Section SWITCH 5-6 can work in the following modes:

- LATCHING – bistable
- PULSE – shorting impulse for 80 ms
- MOMENTARY – unstable switch
- INVERT LATCHING* – bistable with negation*

**- for firmware version 1.04 and higher*

Mostly used mode of controlling the amp is the bistable mode (LATCHING). In this mode the SWITCH 1 to 6 indicators lit what means shorting of corresponding relay outputs. Other modes are applied in selected amp models for which is required other functionality of outputs. The information about necessity to set other working mode of SWITCH OUTPUT is included in the description of the cable for controlling a given amp model. In case of controlling the amp with MOMENTARY switch input the amp should obligatorily possess the switch which enables switching the functions in order to synchronize controller and amp states.

The way of connecting an amp and the SWITCH OUTPUTS working modes are described in the chapter "Controlling an amp".

MIDI OUT setting

The SETUP >↓> MIDI OUT function (footswitch No. 7) enables to set the following parameters:

- SENDING SEQUENCE (footswitch No. 1) – the order of sending the commands - PROG CH/CTRL CH or CTRL CH/PROG CH
- PROG CH SEND (footswitch No. 2) – sending the PROG CH commands EVERY TIME after pressing the MFS footswitches or only after pressing it at the FIRST TIME.
- CTRL CH SEND (footswitch No. 3) – sending the CTRL CH commands EVERY TIME after pressing the MFS footswitches or only after pressing it at the FIRST TIME.
- MIDI OUT 2 DATA (footswitch No. 4) – pressing of the footswitch No. 4 starts data dumping (sending) to the MIDI OUT 2 DUMP**

**- for firmware version 1.04 and higher*

The MIDI OUT 2 DATA DUMP function enables to copy all programmed data to another GSC-5 controller. For this purpose it is needed to connect by a MIDI cable the MIDI OUT 2 connector of the GSC-5 from which we would like to send the data to the MIDI IN 1 (or MIDI IN 2) connector of the GSC-5 controller to which we would like to copy the data and after press the footswitch No. 4. During the transmission the main display of the sending controller shows the percentage of the process realization and the main display of the receiving controller shows the data receiving information.