



Manual GATE

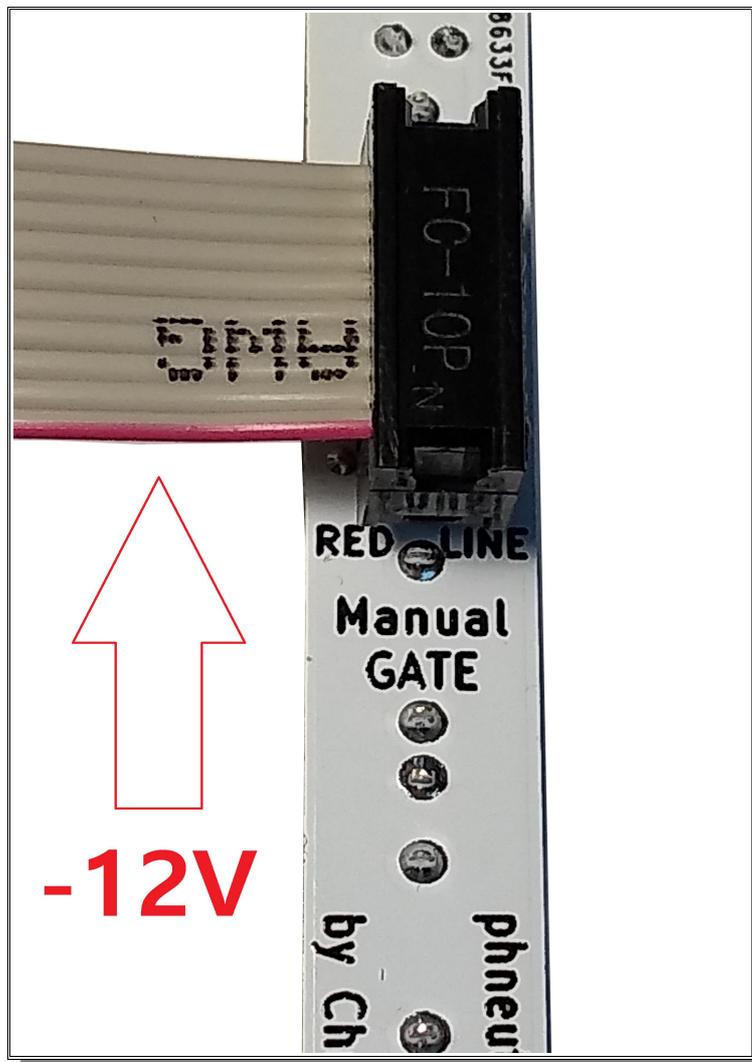
Manuel V1.0

The manual Gate module is a Gate generator utility by manual triggering. It is composed of two independent stages.

Connecting the ribbon cable

! Be careful to always respect the connection direction of the tablecloth: by convention, the colored part (usually red / pink) of the ribbon represent **-12V** !

Note : on all PCB — ph — , the -12V « red line » is screen printed near the power connector.



Presentation



upper section

- 1: "Momentary" touch button, an internal LED lights up to indicate the status according to the manipulations
- 2: Selector of the two available modes "PUSH" & "LATCH"
- 3: OUT 1 & 2 connectors

Lower section (independent)

- 4: Selector of the two available modes "MOM" & "LATCH"
- 5: Led indicating the state according to the manipulations
- 6: OUT 3 & 4 connectors

Explanations

This module generates a +5V GATE on two independent sections by pressing buttons or selectors. It is equipped with protection against short circuits in case of connection of a cable with an activated gate.

Upper section:

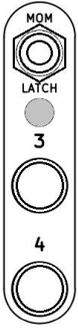


A selector allows you to select from two different modes: Momentary or latching. It generates a GATE +5V directed to outputs 1 & 2.

Selector up: PUSH mode, the GATE is generated by pressing the button (backlit by an LED). This is a "momentary" button, if you release the button, the GATE is no longer active (LED turns off).

Selector down: LATCH mode, GATE is transmitted continuously. The button's LED lights to indicate the status. Bring the lever back to the up position to stop sending GATE (the LED goes out).

Lower section:



A selector allows you to select from two different modes: Momentary or latching. It generates a GATE +5V directed to outputs 3 & 4.

Selector up: PUSH mode, the GATE is generated by holding the selector lever up (the LED lights up), if you release the lever, it returns to its central position and the GATE is no longer active (the LED goes out).

Switch down: LATCH mode, GATE is transmitted continuously. The button's LED lights to indicate the status. Return the lever to the central position to stop sending GATE (the LED goes out).

Characteristics

Size 2hp (1 cm), epoxy black panel 1,6 mm.

Deep : 25mm with connector (skiff friendly).

PCB in epoxy FR4 dual layer, 1,6 mm. Surface finish HASL.

Ribbon cable, M3 and nylon nuts inc.

Consumption : ~5 mA (+12V) / ~0 mA (-12V)

Components tested and assembled by hand, in Brittany, France.

*thank you for your trust
Feel free to give me your opinion, criticism or wishes ...
Other modules are coming*

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<https://phmodular.com>