

Equater M4

Modular Tube Preamp Quick Start

Install the modules (up to four) by firmly inserting the module into the slot. Then tighten the two captive thumbscrews until the module panel is pulled in flush with the rack panel. Always install a blank “filler” panel into any unused module slots. To remove a module, turn the two thumbscrews counter clockwise until they are loose. Grasp the thumbscrews and pull out.

IT IS STRONGLY RECOMMENDED THAT YOU TURN THE PREAMP OFF BEFORE CHANGING MODULES!

Front Panel:

INPUT: Plug your guitar in here. This jack takes priority over the rear panel input.
CHANNEL: Selects the desired module.
MASTER: The overall level for all channels.

Rear Panel:

INPUT: Same as the front panel input.
OUTPUTS: Two ¼” parallel outputs to connect to effects or power amplifier inputs.
POWER: AC mains on/off.
GROUND: This switch separates the circuit ground from the chassis ground. Typically set for NORMAL when free standing and LIFT when used in a grounded rack setup. Set for the least amount of audible hum.
MIDI IN: For channel selection. Use the EGNATER pedal or any midi controller.
MIDI THRU: Passes the signal from the MIDI IN jack for controlling other devices.
AC INLET: Accepts a standard IEC power cord. Remove the fuse holder cap using a small blade screwdriver. Insert the cap so that the arrow points to the correct voltage. Be sure to use the proper value fuse as indicated on the rear panel..

CHANNEL SWITCHING:

SELECTING A CHANNEL:

Use the front panel "CHANNEL" pushbutton to sequentially step through the installed modules. Press and release the pushbutton within half-a-second to step through the channels. The M4 has the ability to sense when a module is installed into a slot. If the module configuration is changed, turn the power off and back on. The M4 will "read" the configuration and determine which slots are occupied. Any slots without modules will now be skipped when using the front panel pushbutton.

MIDI:

PHANTOM POWER:

9VAC@1amp power is supplied through the 7 pin FOOTSWITCH IN jack. The power is internally assignable to pins 4 & 5 and always active on pins 6 & 7. Please refer to your midi pedal manual for proper settings. Use the pushbutton switch located next to the midi in connector to activate. The lid must be removed to access the switch.

MIDI IN:

Connect the output from your MIDI controller to this jack.

MIDI THRU:

Passes the signal from the MIDI IN jack for connection to the input of another midi controlled device.

SAVING A PRESET:

Any channel on the M4 can be saved into any midi program patch location:

- A) First select the desired patch on your midi controller (1 through 128).
- B) Next select the desired preamp module on the M4 by tapping the CHANNEL pushbutton until the channel you wish is on.
- C) Now press and hold the front panel CHANNEL button for two seconds. All of the module LED's will go blank for ½ second, then come back on. The module is now stored in that midi program number (patch) location. You can repeat this process for up to 128 program patches.

IMPORTANT NOTE:

The M4 “reads” the rear panel DIP switch positions only on power up. Whenever a change is made to any dip switch, the M4 must be powered off and back on to “read” the change.

DIP SWITCH SETTINGS:

Using a pen or similar pointy device, move the eight small “piano” style switches up or down according to your specific needs. See below for the switch functions.

S1 through **S4** are used to set the midi channel (1 -16) that the M4 will receive data on. Move the switch actuators down for on and up for off.

CHAN.	S1	S2	S3	S4
1	OFF	OFF	OFF	OFF
2	ON	OFF	OFF	OFF
3	OFF	ON	OFF	OFF
4	ON	ON	OFF	OFF
5	OFF	OFF	ON	OFF
6	ON	OFF	ON	OFF
7	OFF	ON	ON	OFF
8	ON	ON	ON	OFF
9	OFF	OFF	OFF	ON
10	ON	OFF	OFF	ON
11	OFF	ON	OFF	ON
12	ON	ON	OFF	ON
13	OFF	OFF	ON	ON
14	ON	OFF	ON	ON
15	OFF	ON	ON	ON
16	ON	ON	ON	ON

S5 is used to activate the “omni” mode. “Omni” is a special mode that allows the M4 to receive data on all 16 midi channels simultaneously. Turning the omni mode on overrides S1 through S4. Set actuator 5 down to turn the “omni” mode on or up for off.

S6 is the “Program change enable” function. This is the most common mode of operation that allows the M4 to receive program change (patch) commands from your midi controller. Set this switch down for on or up for off.

S7 is the Controller Enable function. This allows instant access to any module channel using controller (note data) functions.

Note	Module
#56 1A
#57 1B
#58 2A
#59 2B
#60 3A
#61 3B
#62 4A
#63 4B
#64 MUTE ALL

S8 has no function at this time.

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