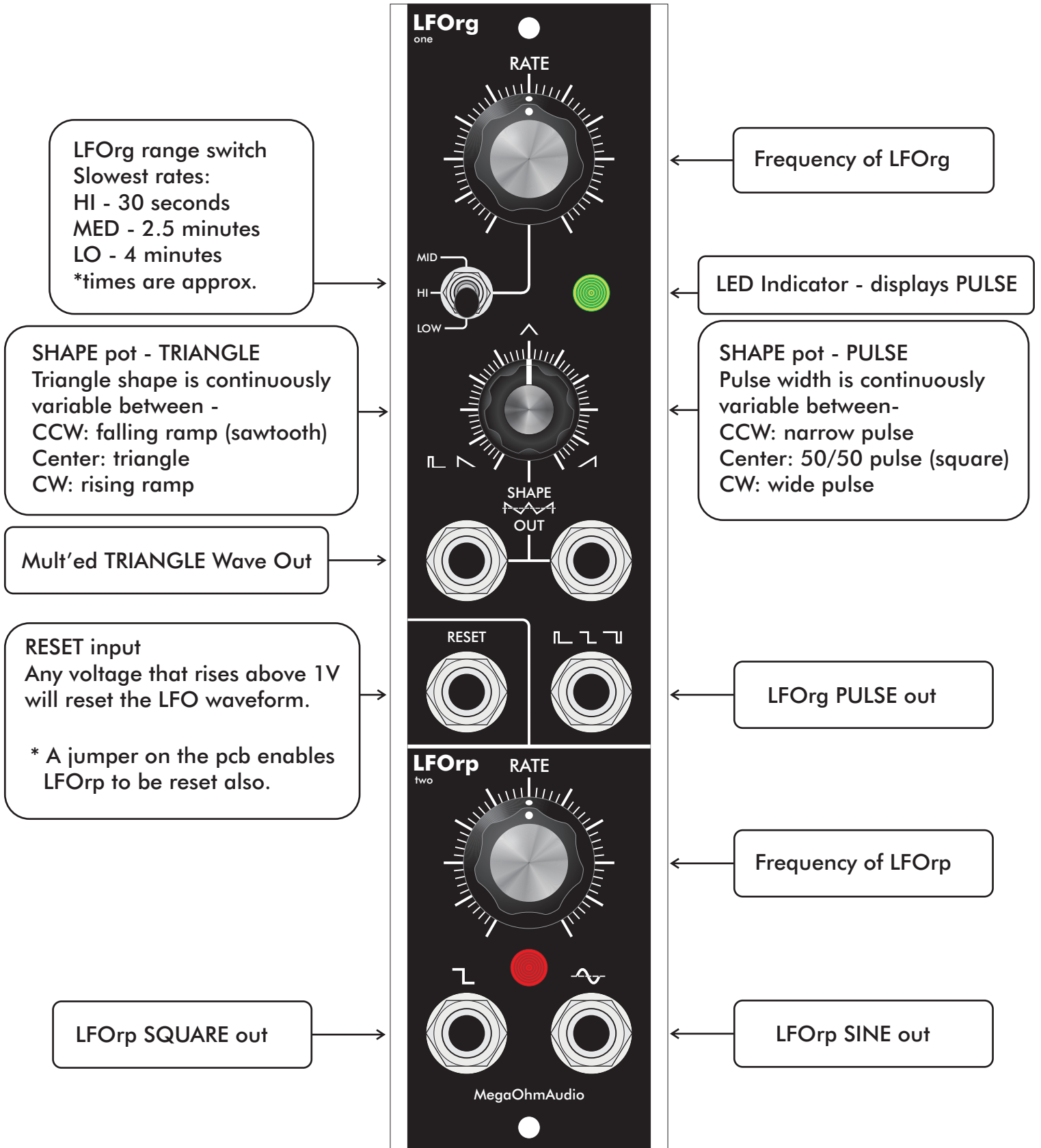





LFO Two






There are nine jumpers on the pcb to enable you to customize the module's behavior to suit your needs.

LFOrg Jumpers:



H5 - TRI GAIN

-  or  +/- 2.5V (default)
-  +/- 5V



H4 - RESET POINT

-  High = Triangle wave will restart from it's peak (highest point)
-  No jumper (default) = Triangle wave will restart from 0V and rise
-  Low = Triangle wave will restart from it's trough (lowest point)




H6 - PHASE

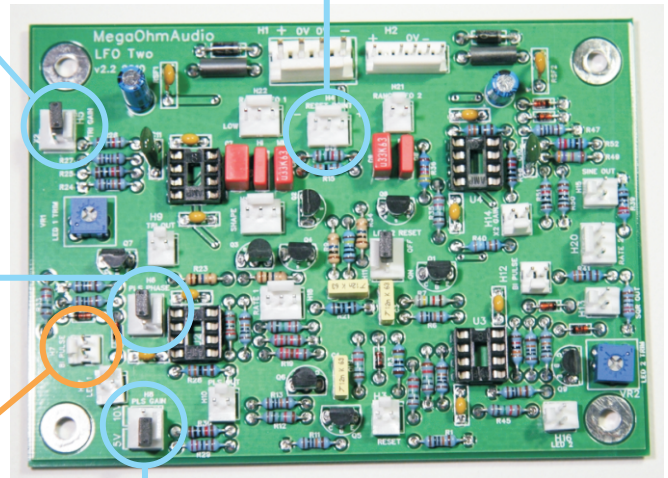
-  in phase (default)
RESET input high - pulse will snap high
-  reverse phase
RESET input high - pulse will snap low

H7 - BI PULSE

-  Unipolar (default),
Pulse wave swings from 0V to + voltage
-  Bipolar, Pulse will swing from - voltage to + voltage

H8 - PULSE GAIN

-  0 - 5V peaks (default)
-  0 - 10V peaks
-  No jumper = full output, approx. 13V peaks
(Full Out can be useful when driving some vintage synth trigger or gate inputs)



LFOrp Jumpers:

H21 - RANGE LFO 2



High range (default)



Low range

H14 - X2 GAIN



+/- 2.5V Sine out (default)



+/- 5V Sine out

H12 - BI PULSE



Unipolar (default),
Pulse wave swings from 0V to 5V



Bipolar, Pulse wave swings from -5V to +5V

H11 - LFO 2 RESET



OFF - ignore reset input
(default)



ON - obey reset input

**A shunt MUST be in place for this header!!!
LFOrp may not run if this is left open!**

LFO Two

Power: +15V, 0V, -15V

MOTM / Blacet power header

or

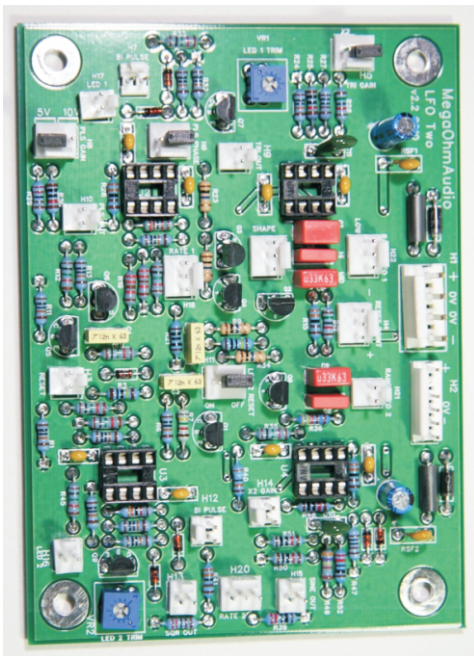
Synthesizers.com power header

(Do NOT use both at the same time!)

Power consumption: average = +22mA / -17mA

*with all outputs driven to ground = +36mA / -28mA

PCB bracket extends 5" behind panel.



← MOTM / Blacet 4 pin MTA156 power entry header

← Synthesizers.com 6 pin MTA100 power entry header

*Current consumption can / will vary depending on module settings and also what modules it is patched to.

Always rate your PSU conservatively.

Good practice is to keep the PSU load at or under 60-65% of it's maximum load.

Example: 1Amp PSU - once the load gets up to 650mA think about adding an additional power supply to your system.

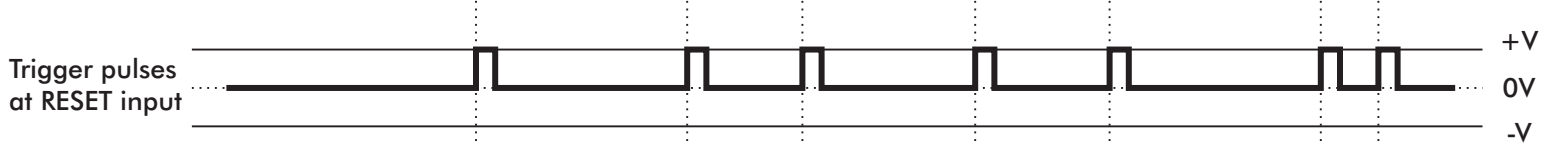
Much respect and credit due to the original circuits on which this module is based:

ARP Odyssey LFO

Korg MS20 LFO

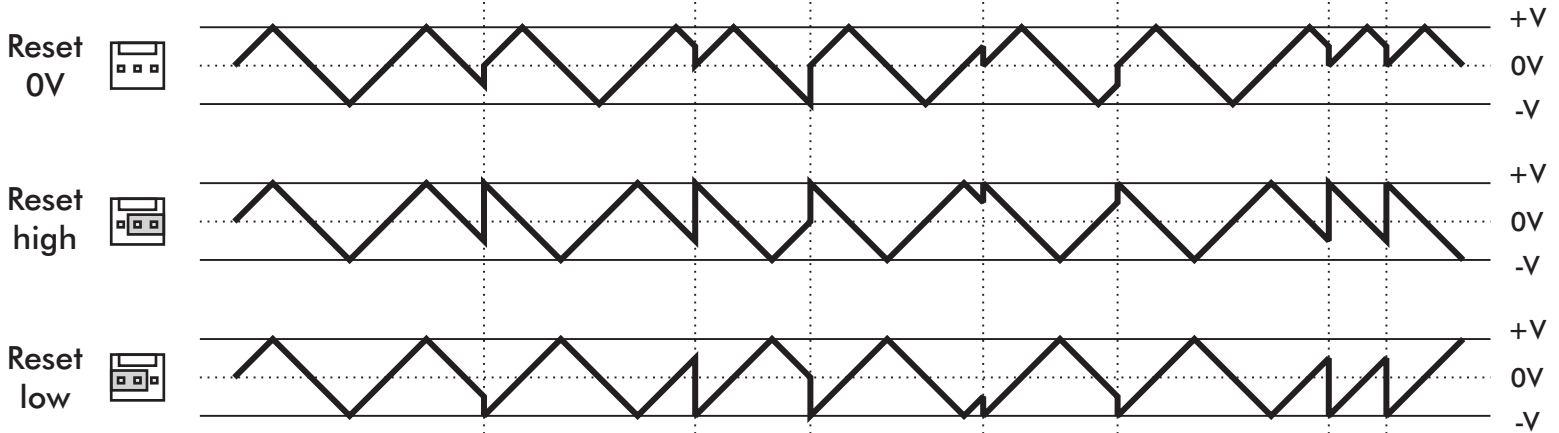
RESET Behavior:

SHAPE pot set at 12 o'clock (Triangle shape)

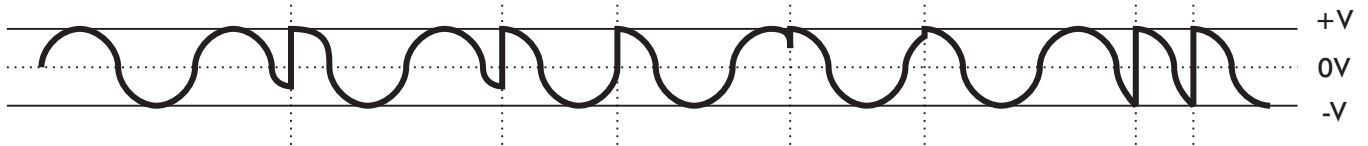


LFOrg:

H4 header (see page 2)



LFOrp:



H11 header (see page 3)

-always Resets to high (peak)