Q190 Tuner

Sept 2023

The Q190 tuner module allows you to keep a watchful eye on the frequencies up to 3 oscillators are producing. Frequencies from all analog oscillators will drift slightly as a result of normal changes in internal cabinet temperature. Now it's easier than ever to ensure your oscillators are doing exactly what you want them to do. Whether you are onstage or in the studio the Q190 is a must have for those patches that need precision from an oscillator or oscillator bank.

Specifications

Panel Size: Single width 2.125"w x 8.75"h.
Input Signal Range: 10V PP
Power: +15V@185mA, -15V@15ma

Tuner Input Jacks

The 3 quarter inch jacks on the bottom of the module feed the inputs of the 3 respective tuners. These inputs are passed through a buffer before being fed to the tuner circuit to ensure no loading effect is present at the output of the oscillator feeding into them.

Optional Switch Jacks Included

The 3 quarter inch jacks can be replaced with the optional switch jacks. This allows the user to keep 3 oscillators always connected via the rear panel. Plugging a different oscillator's output into the switch jack will defeat the rear panel "normaled" connection and allow you to access to the tuners inputs via the front panel.

Note: Each Q190 ships with 3 optional switch jacks with lengths of 8",12" &16". These switch jacks come with a 2 pin MTA100 connector for normaling a Q106 or Q106A. If the user would like to normal an oscillator output from a different manufacturer removing the MTA connector and soldering the leads to the output will be required. The tuners will accurately tune any periodic waveform in the audible frequency range

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Pressing the outer ring of the tuner turns the tuner on/off.

Warning: Do not press on the glass portion of the tuner as this might cause it to crack

Double clicking the tuner allows user to set A4 tuning standard from 430Hz to 449Hz

Jacks 1,2 &3 feed the tuner inputs through a buffer circuit. Optional switching jacks are included for rear panel normaling.

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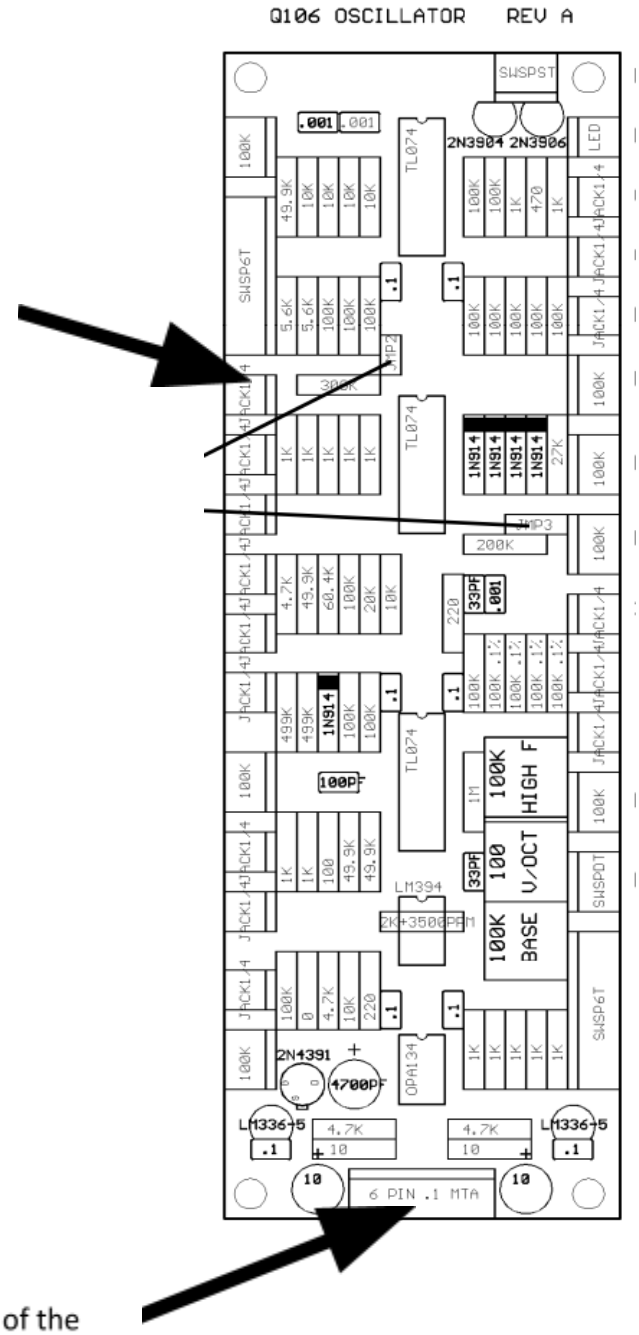
Rear panel normaling to Q106/Q106A

For back panel connection (normaling) to a Q106/Q106A the 2 pin connector from the optional switch jack plugs into this header (square out).



Note the location of the power connector for orientation of PCB

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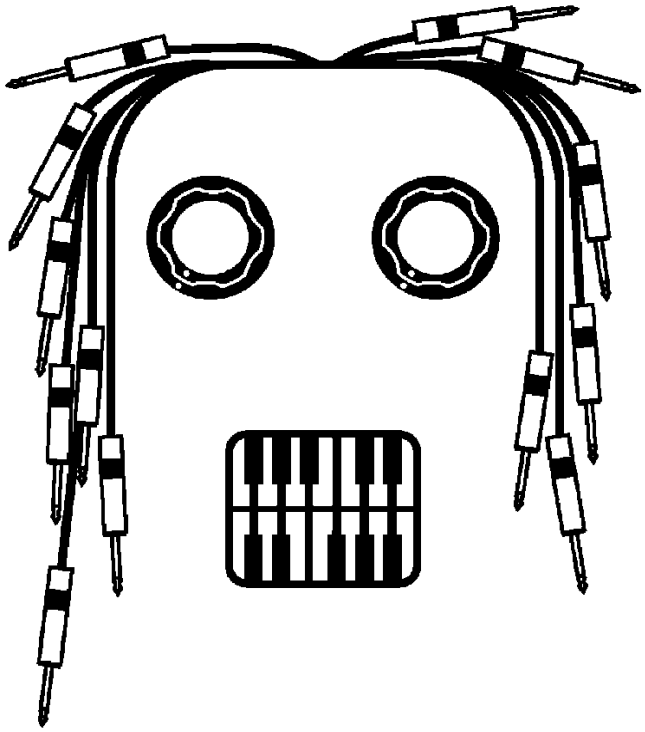
Patcher Jack



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