

The Q115 Reverb module adds the traditional reverb effect to the sounds from your system. A 3-spring mechanical reverb tank is used similar to the units found in Fender guitar amplifiers. The operator has manual control over the initial reverb spring Drive and the Amount of reverb mixed into the output signal. Designed to operate with the large signals produced by other modules in the system.

Controls and Connectors

Drive Control

Drive level to the Reverb springs.

Amount Control

Sets the amount of reverb mixed with the Input signal.

Input Connector

The input signal.

Output Connector

A mix of the input signal and the reverb effect.



Specifications

Panel Size: Single width 2.125"w x 8.75"h.

Reverb Tank Size: 3.5"W x 1.5"H x 9.5"L

Signal Levels: 10V pp maximum

Power: +15V@8ma, -15V@8ma

Usage and Patch Tips

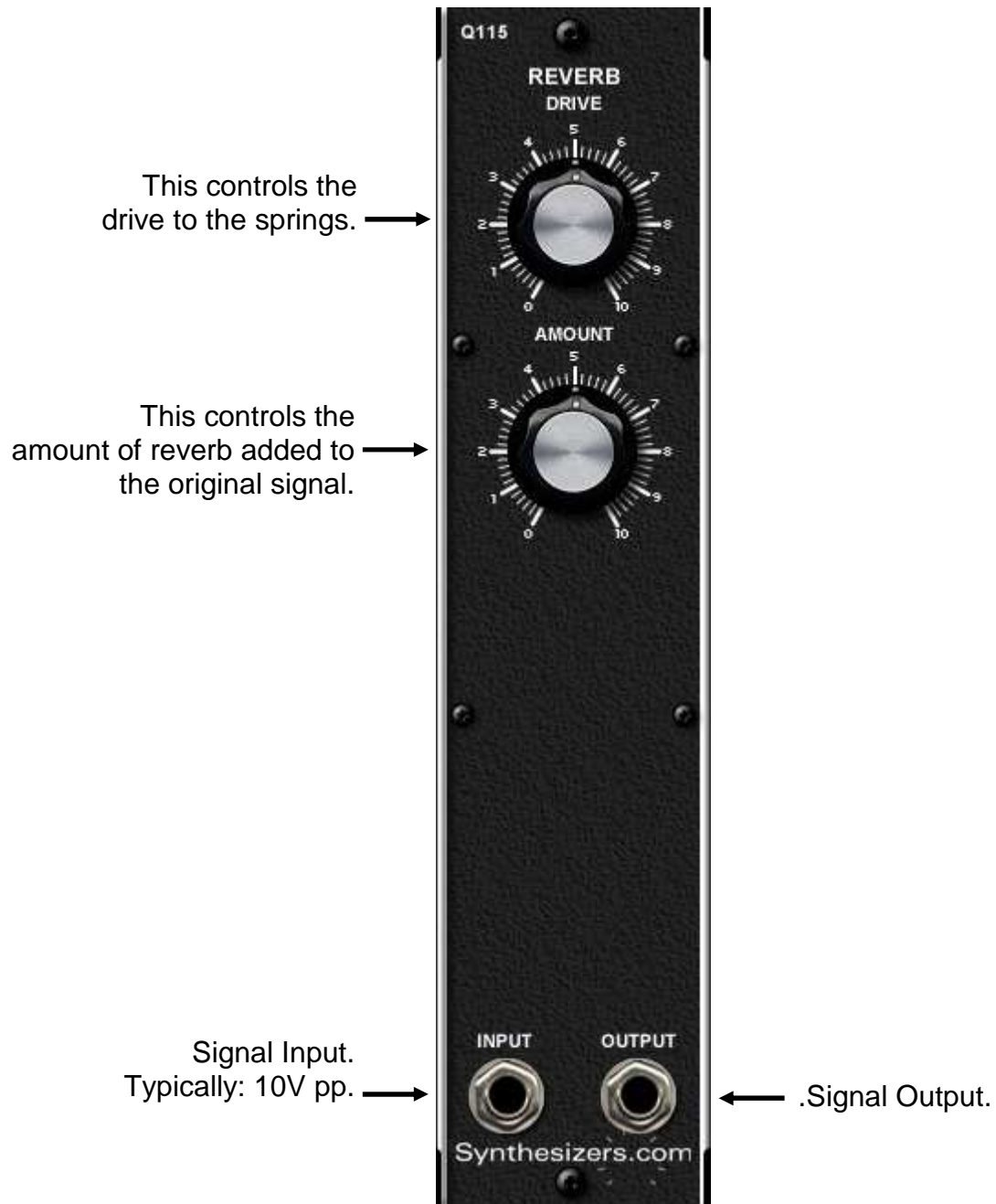
The reverb effect can add great depth to your sound. Patch the output from your filter or other processing modules through the reverb module before going to the final amplifier. Moving both controls towards 10 will increase the reverb effect but there are subtle differences between the controls and experimentation will be needed to provide the sound you're looking for. Since reverb will add some harmonics to the waveform, try patching the waveforms from an oscillator through the reverb before going to a filter.

Reverb Tank



Q115 Reverb

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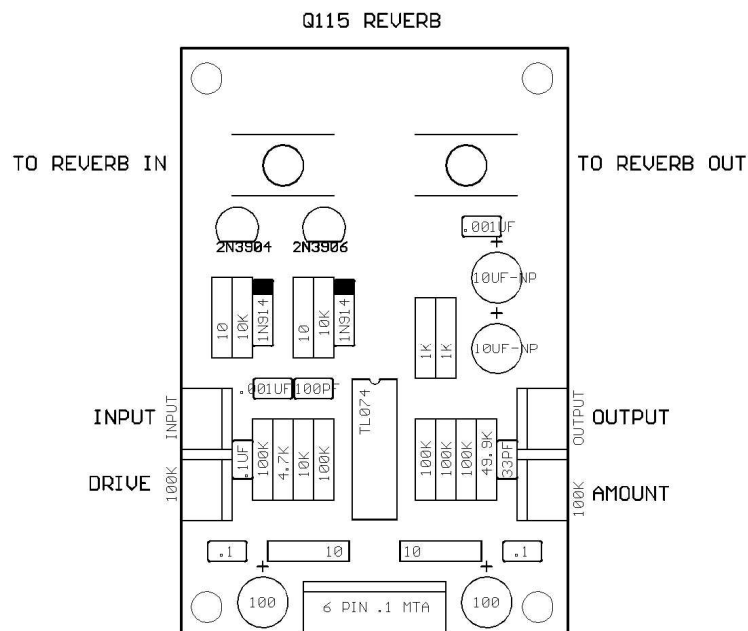


Calibration and Testing

No calibration is required for this module.

1. Connect an oscilloscope to the output connector.
2. Apply an 500hz 10v PP sawtooth waveform to the input and view the output with an oscilloscope.
3. With both control at 0 the output will be a simple waveform. As both controls are turned towards 10 the waveform will begin to develop wavy-ness.

PC Board Layout



Power Connector

6 pin .1" MTA type connector made by AMP. Available from Mouser Electronics or Digi-Key. Modules have a male PCB mount connector and cable harnesses have a female.

Part Numbers:

Female cable mount: #6404416

Male PCB mount: #6404566

Pinout:

- 1 = +15v
- 2 = key (pin removed)
- 3 = +5v
- 4 = gnd
- 5 = -15v

Not all voltages are used on all modules.