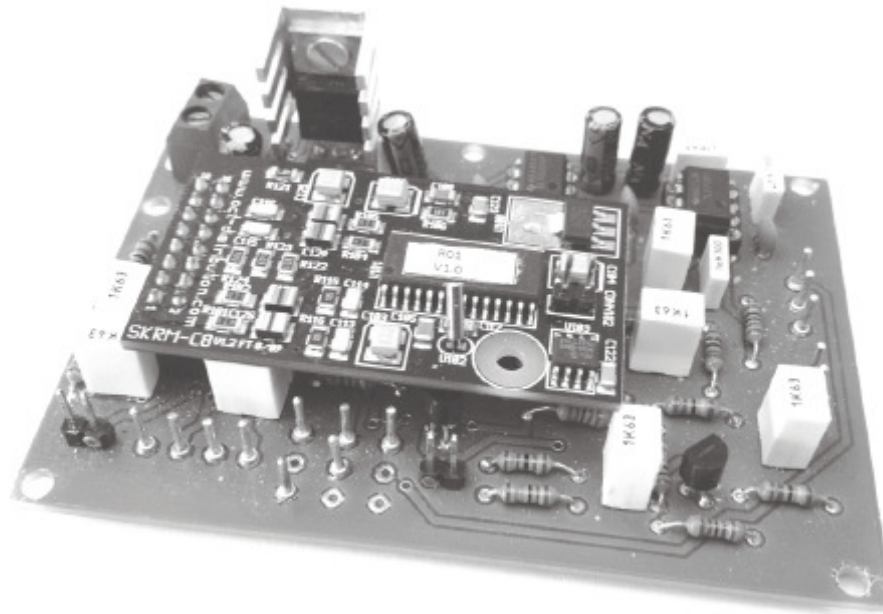


# ***Adding a Cutting Edge Filter to Reduce Bass & Low Mids from eTap2hw Output.***

## eTap2hw

A VINTAGE ECHO EMULATION



### **Building a Cutting Edge Filter**

This bulletin is targeted at existing owners who wish to attenuate the Bass & Low Mid guitar frequencies from the eTap2hw output by means of a 4-stage high pass filter.

This type of filter is normally used between the eTap2hw and guitar amplifier input. Additional optional EQ can be performed by use of a soft-knee compressor set at a 1:4 ratio. The guitar amplifier is then set high bass to ‘warm up’ the sound.

The filter is very simple to build on Veroboard and consists of 4 x 47nF capacitors, 3 x 100k and 1 x 47k resistors. A by-pass switch can be incorporated to allow ‘In/Out’ switching of the filter.

The design shown was designed and first employed by Charlie Hall for his own EFTP designs, the frequency response is shown below graphically.

