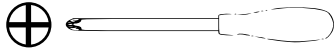


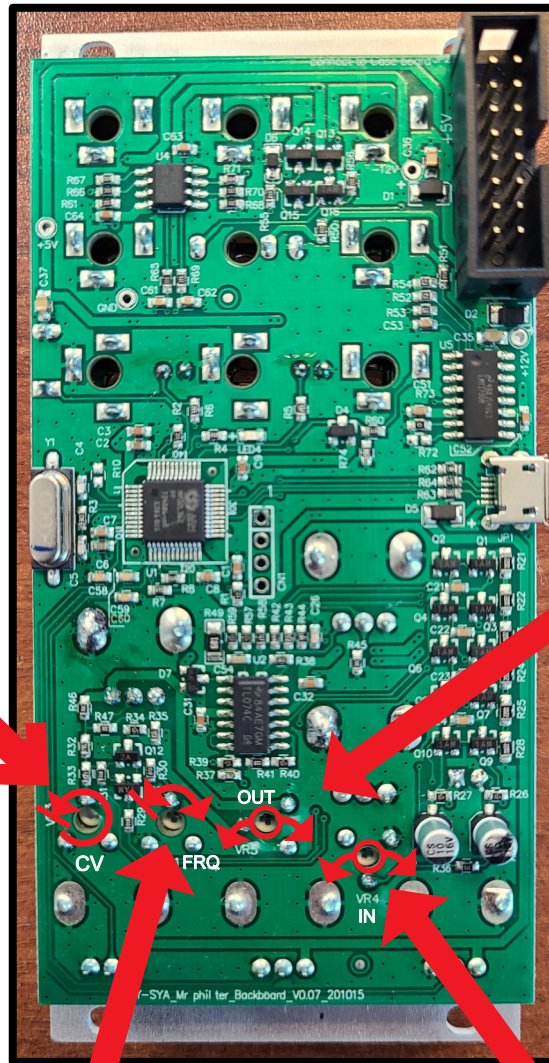
# Tuning the <sup>mr</sup>Phil Ter Filter Section

You will need  
a small  
Phillips Head  
Screwdriver



## Step 1

Turn **CV Trimmer** fully  
Counter Clockwise  
(left).



## Step 2

This step sets the positive or  
negative offset of the filter  
output.

1: Plug oscillator into **Filter In Jack**. A **Sine Wave** works best!  
Listen to the output of the  
**Filter Out Jack**.

2: Turn **Cutoff Knob** fully  
Clockwise (right).

3: Turn **OUT Trimmer** left then  
right to hear where waveform  
distorts on left and right side.

4: Use ear to set **OUT Trimmer**  
to center point between left  
and right distortion points by  
rocking the **OUT Trimmer** back  
and forth between distortions  
for the cleanest output signal.

## Step 3

This step sets the range of the  
Filter Frequency Knob.

1: Plug oscillator into **Filter In Jack**.  
A **Square** or **Saw** Wave works best!  
Listen to the output of the **Filter Out Jack**.

2: Turn **Cutoff Knob** fully Clockwise (right).

3: Turn **FRQ Trimmer** counter  
Clockwise (left) until audio cuts out.

4: Slowly turn **FRQ Trimmer** Clockwise  
(right) and listen for audio to return.  
Stop turning as soon as the audio  
sounds unfiltered.

## Step 4

This step sets the level of the audio input.

1: Plug oscillator into **Filter In Jack**.  
A **Sine Wave** works best! Listen to  
the output of the **Filter Out Jack**.

2: Turn **Cutoff Knob** fully Clockwise (right).

3: Turn **IN Trimmer** left and right. Audio  
will fade out in one direction and get loud  
and distorted in the other direction.

4: Set the **IN Trimmer** to center-point  
between off and distorted where  
volume matches the original signal.