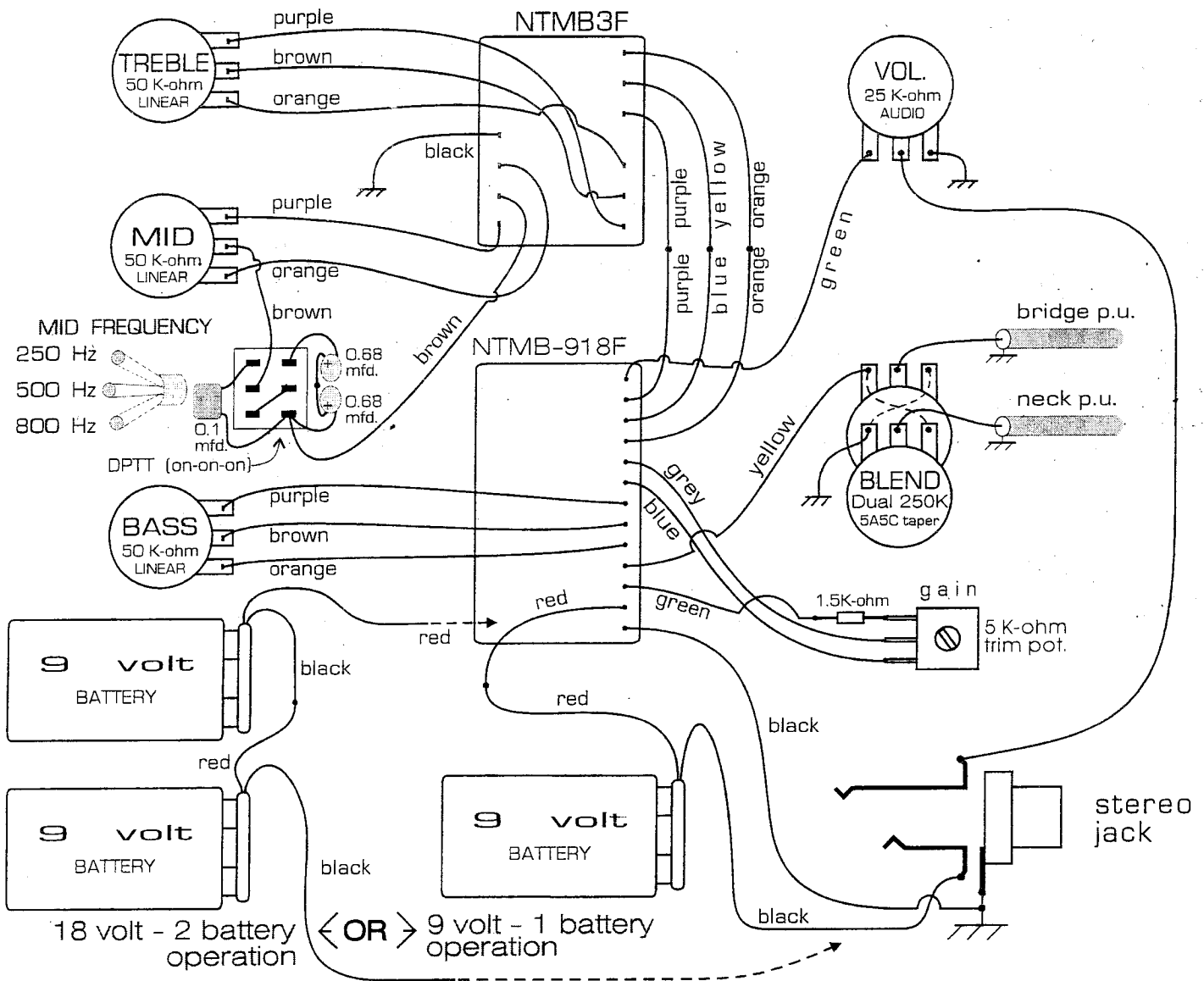


3 Band 9 volt or 18 volt Preamp/Tone control with switchable Mid frequencies



The NTMB-918F is a tone control preamp with fully independent Bass, Mid and Treble controls with very low noise and wide boost/cut range. It consists of two pre-wired modules for ease of installation.

The main module (NTMB\_918F) is 2/3 the size of a 9 volt battery.

The second module (NTMB3F) is 1/3 smaller.

The sound is very clear and transparent. Distortion is well below 0.001%.

This preamp can be used with either 1 - 9 volt battery (9 volt operation) or 2 - 9 volt batteries (18 volt operation) which yields 6 dB extra headroom.

In 9 volt operation the NTMB-918F uses approximately 750 microamperes of current from 1 - 9 volt battery. This means 1 month of continuous duty or more than 6 months of average usage.

In 18 volt operation the NTMB-918F uses approximately 1000 microamperes of current from 2 - 9 volt batteries. This means more than 3 weeks of continuous duty or more than 4 months of average usage.

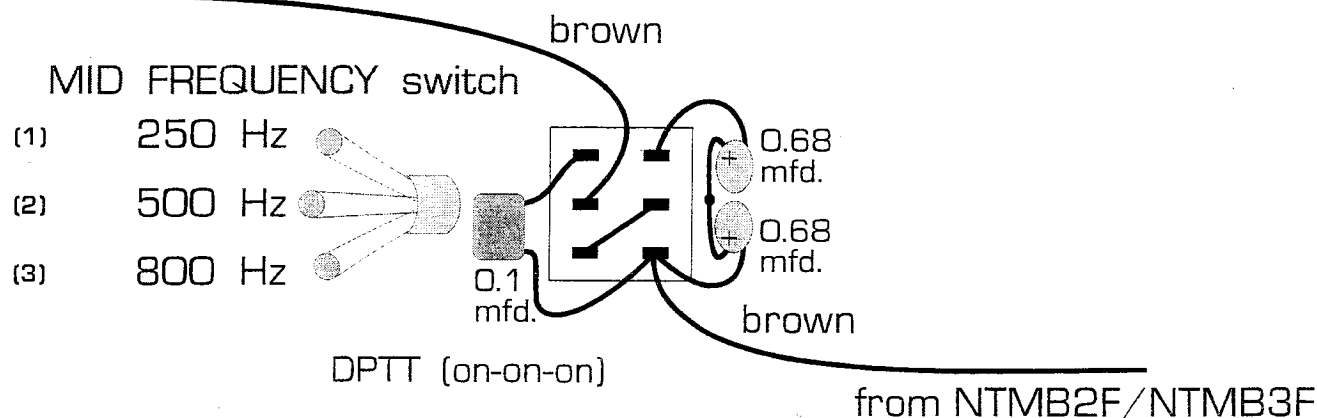
**DO NOT USE MORE THAN 18 volt SUPPLY VOLTAGE OR EXTERNAL POWER SUPPLIES!**

3 Band 9 volt or 18 volt Preamp/Tone control with switchable Mid frequencies

## NTMB-918F Midrange Control Frequencies

capacitors in series from NTMB2F/NTMB3F to Mid Control	capacitance (microfarads)	resonant frequency NTMB2F - Hz	resonant frequency NTMB3F (yellow) - Hz
0.068 (683)	0.068	1085	1023
0.082 (823)	0.082	1000	932
0.100 (104)	0.100	917	(3) 845
2 - 0.22 mfd (+ to +)	0.110	882	807
0.22 & 0.33 mfd (+ to +)	0.132	(3) 819	740
2 - 0.33 mfd (+ to +)	0.165	753	667
0.33 & 0.47 mfd (+ to +)	0.194	711	621
2 - 0.47 mfd (+ to +)	0.235	668	572
0.47 & 0.68 mfd (+ to +)	0.278	(2) 634	534
2 - 0.68 mfd (+ to +)	0.340	600	(2) 494
0.68 & 0.82 mfd (+ to +)	0.372	586	478
2 - 0.82 mfd (+ to +)	0.410	572	462
0.82 & 1.00 mfd (+ to +)	0.451	559	447
2 - 1.00 mfd (+ to +)	0.500	547	432
connected without capacitor	-----	(1) 419	(1) 265

to mid lug of Mid Control



## Control Boost / Cut Ranges

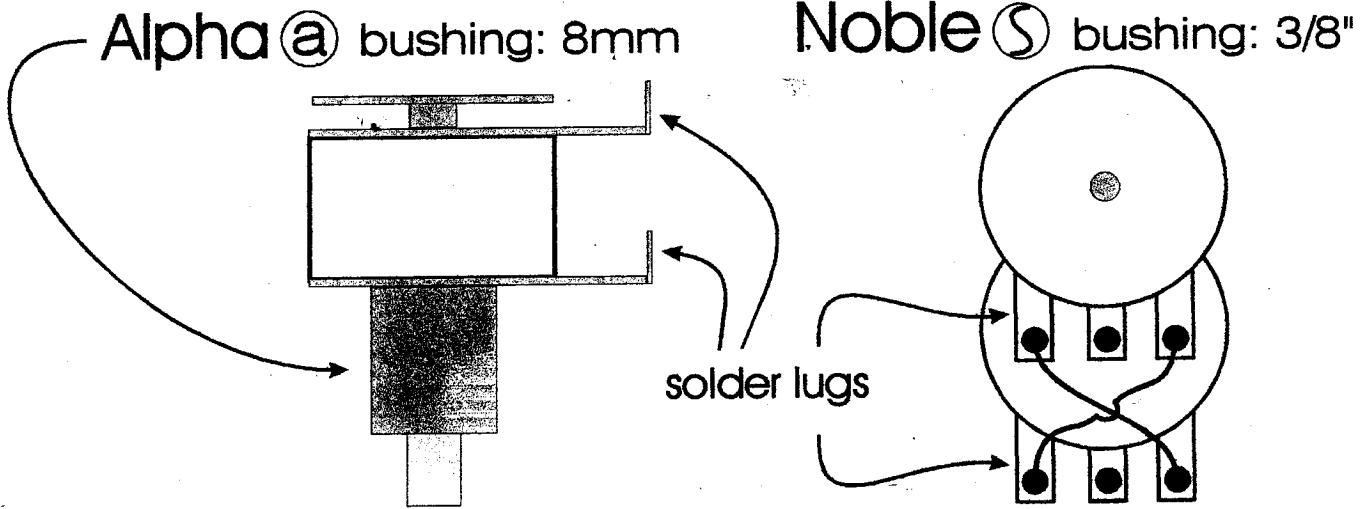
Bass +/- 15 dB @ 30Hz

Mid +/- 13 dB @ 250Hz

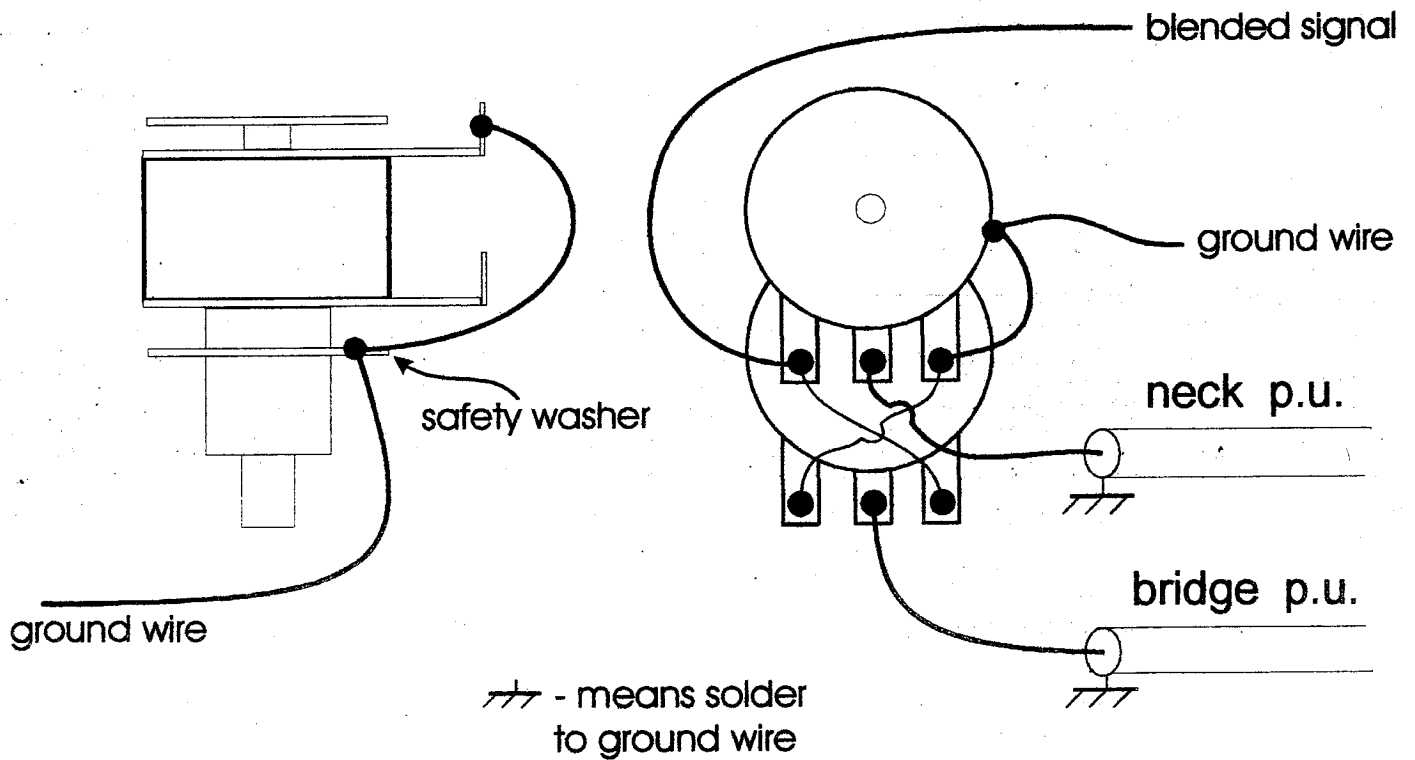
Treble +/- 16 dB @ 6KHz

**NEW Alpha @ OR Noble S BLEND POTENTIOMETER WIRING**

both of these new potentiometers have "silver" colored solderable plating  
 both brands have C-A tapers (C=left hand audio - A=right hand audio)  
 wiring is the same for 25 K-ohm and 250 K-ohm pots.



Blend pot wiring viewed from the inside of the control cavity (pot. shaft down)



**DO NOT OVERHEAT WHEN SOLDERING GROUND WIRES OR ANYTHING ELSE TO THE SIDE OF THESE BLEND POTS**