

Dec 2016

Noble "Manuel"

Tubes

The tubes shipped with your preamp are hand selected, carefully burned in, and should last for many years. Replace the tubes if they become noisy or excessively microphonic. Contact Noble if you have any questions or difficulty replacing the tubes, or to obtain NOS tubes (while supplies last).

It is necessary to open the preamp to change the tubes. To avoid a potentially lethal shock, unplug the preamp and wait 30 minutes before opening. Fully reassemble the preamp before powering it on again.

This preamp requires two 12AU7/ECC82 tubes. Other tube types should not be used. The preamp can be operated with the second (middle) tube missing, but the 1/4" output will not function (XLR output only).

EQ

The EQ is "boost only" and is flat across the audio band when both knobs are fully counter clockwise ("all the way down"). Turning the treble or bass knobs clockwise boosts these frequency bands, up to 20dB. Boosting both bass and treble creates a mid notch centered around 700Hz.

The EQ affects both 1/4" and XLR outputs.

XLR Output

The XLR output is driven by a world-renowned Jensen direct box transformer for low noise and exceptional clarity across the audio frequency range. The XLR output is post EQ, but the level is pre-set and is not variable.

XLR pin 1 ground/lift switch is located next to the XLR output (up is lifted, down is ground). The default position is up, but it may be necessary to flip the switch to reduce RF or ground noise in some venues.

1/4" Output

The volume knob adjusts the level of the 1/4" output, for driving an amp. For unity gain set the volume around 12 o'clock with the EQ flat. For best results, bypass your amp's internal preamp and controls by plugging into the "power amp input" or "effect return" jack, if any.

Power

The illuminated on/off switch will light when the preamp is plugged into AC power. Push it in to turn the unit on. The backlit Noble logo will illuminate when the preamp is on and ready for use.

If the backlit Noble logo does not illuminate, check the DC wiring, as there may be a short, either in a cable or at one or more pedals. The DC outputs are not isolated and "voltage doubling" Y cables should not be used.

To change the AC voltage, remove the fuse drawer and slide out the 110V/240V voltage card. Flip it over and reinsert to change the preamp AC voltage. It is not necessary to change the fuse when changing the voltage.

Fuses

The fuse will blow if the selector is set to 110Vac but 220/240Vac is applied. A spare 250mA GMA 5x20mm fuse is supplied in the fuse drawer under the AC power input.

Notify Noble if the fuse blows repeatedly, as this is not normal. A blown fuse may indicate a fault in one of the tubes, incorrect AC voltage setting, or a short on the DC outputs.

Specs

- Weight: 3 lbs.
- Dimensions: 7" x 4.5" x 3"
- Power: 115/230Vac 50/60Hz, externally switchable
- DC Output Current: 900mA @ 120/240Vac, 700mA @ 110/220Vac, 450mA @ 100Vac
- Input Impedance: 10Meg Ω , single ended
- Output Impedance (1/4"): 2k Ω (@30Hz), single ended
- Output Impedance (XLR): 420 Ω (@30Hz), balanced
- XLR Ground/Lift switch (Lift is up)
- Bandwidth: 15Hz to 50kHz
- EQ: Bass +18dB @ 80Hz corner, Treble +20dB @ 3.5kHz corner
Low cut switch drops 6dB/octave below 150Hz
- Signal to Noise Ratio (unweighted): 105dB
- Output Noise (XLR output, flat EQ): -100dBu
- Includes: Six 2ft (0.6m) male-male DC cables, region appropriate IEC power cable
- Warranty: Ten year transferable

Warranty

This preamp is guaranteed to be free from defects in components and workmanship for ten years, and should not require servicing other than occasionally changing the tubes as/if they wear out. Noble will replace or repair any defects occurring during the period of this warranty. Warranty will remain in effect even if the preamp is sold or ownership is transferred. Tubes are guaranteed for 90 days.

EQ flat / vol. max
+20 dB 1/4" input $\rightarrow$ 1/4" output
XLR + 6 dB