

Product: Premier Eleven/Twelve

Subject: Rewiring For Load Impedances Other Than 4 ohm.

Background

The Premier Eleven and Twelve are supplied wired to match a 4 ohm load impedance. Our experience has been that this produces the best sound quality with the majority of loudspeakers available, regardless of the speaker's nominal impedance. If necessary, however, these units can be reconfigured for 2, 8, and 16 ohms. This requires reconnecting the output transformer secondary wires, and changing resistor values in the feedback network to maintain the correct amount of negative feedback. The necessary resistors can be obtained from Conrad-Johnson.

Premier Eleven

2 ohm connection:

1. Reconnect the output transformer secondaries (both channels) per figure 1a.
2. Referring to figure 2, remove both pairs of feedback resistors (5.1 k, RN65). Replace each pair with a single 1.8K RN60.

8 ohm connection

1. Reconnect the output transformer secondaries (both channels) per figure 1c.
2. Remove one 5.1 k resistor from each pair of feedback resistors, and replace with 12.1k RN60 (fig. 2).

16 ohm connection

1. Reconnect the output transformer secondaries (both channels) per figure 1d.
2. Remove one 5.1 k resistor from each pair of feedback resistors (fig. 2).

Premier Twelve

2 ohm connection

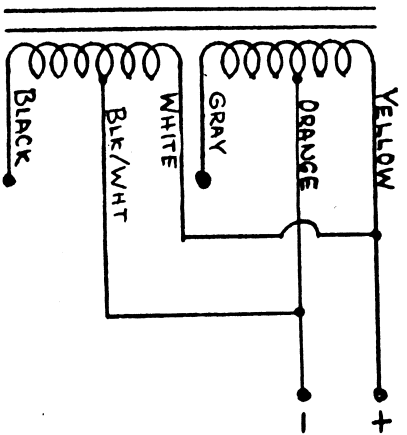
1. Reconnect the output transformer secondaries (both channels) per figure 1a.
2. Referring to figure 3, replace the 2.55k feedback resistor with a 1.8k.

8 ohm connection

1. Reconnect the output transformer secondaries (both channels) per figure 1c.
2. Replace the 2.55k feedback resistor with a 3.92k.

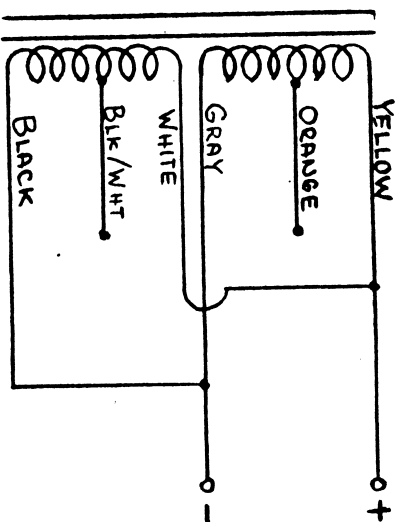
16 ohm connection

1. Reconnect the output transformer secondaries (both channels) per figure 1d.
2. Replace the 2.55k feedback resistor with a 5.1 k.



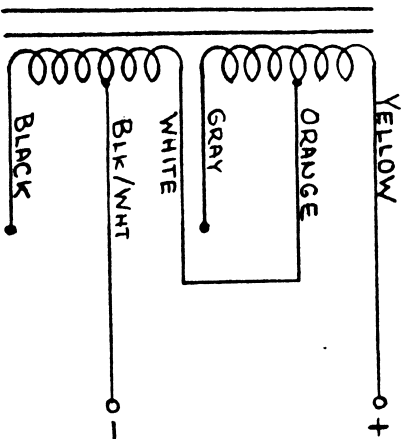
2-OHM

FIG. 1A



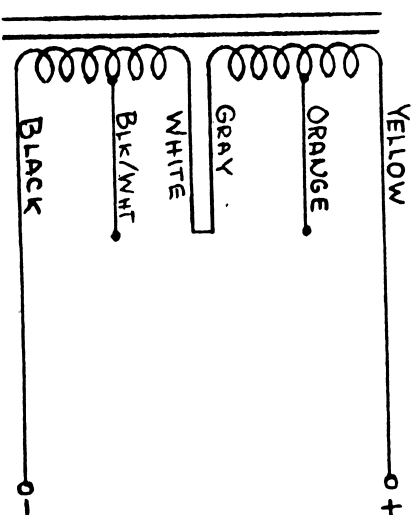
4 - OHM

FIG. 1B



8-OHM

FIG. 1C



16-OHM

FIG. 1D

PREMIER 11/12 OUTPUT TRANSFORMER WIRING
140