TWIN MATCH™

DUAL STEREO LEVEL & IMPEDANCE INTERFACE

DESCRIPTION:
The TWINMATCH is a level and impedance converter designed to interface consumer or "semi-professional" equipment with professional studio gear. TwinMatch converts the outputs of balanced Hi-Z (-10 dBv) equipment to balanced Lo-Z lines at +4 dBm. Four channels of interface permit operation with a pair of stereo audio sources, for example, two stereo CD players or R-DAT decks. All circuitry is active and direct coupled for exceptional sonic accuracy.

INSTALLATION:

All connections to the TwinMatch are made via the front panel barrier strip.

There are two stereo inputs on the TwinMatch. They are labeled "1" and "2". Each stereo input has an "L" and "R" input terminal. Connect the left input signal to the "L" terminal, and the right input signal to the "R" terminal.

Connect the inputs from the second stereo source to the "2" inputs the same way. Connect the source equipment ground to the GND terminal. The GND terminal is "shared" between the two stereo sources.

The TwinMatch outputs are also labeled "1" and "2". Each balanced stereo output pair has L+, L-, GND, R+, and R- terminals. Connect output wiring accordingly. For unbalanced outputs, connect to the (+) and GND terminals only. DO NOT short the (-) terminals to ground.

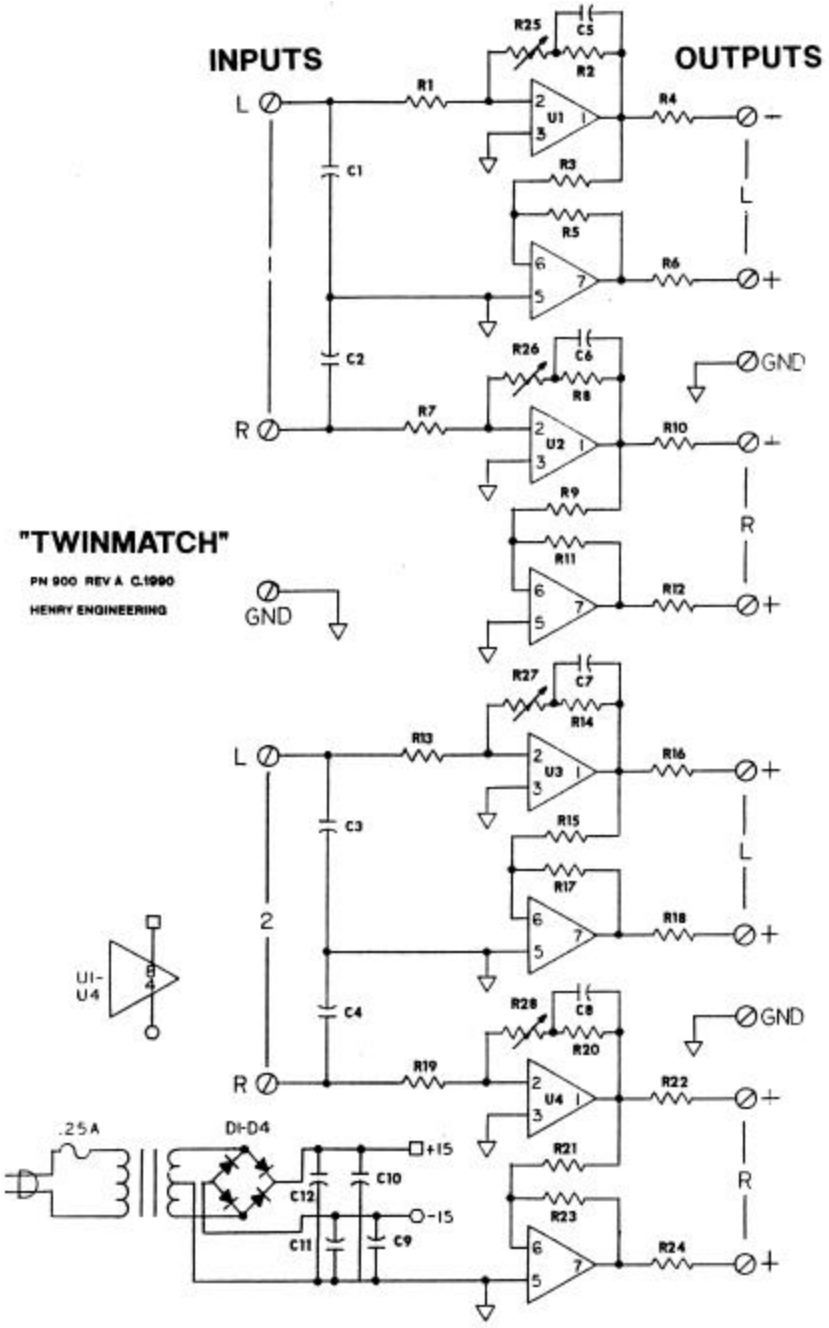
The TwinMatch will drive any load of 600 ohms or higher. It is not necessary to terminate the outputs.

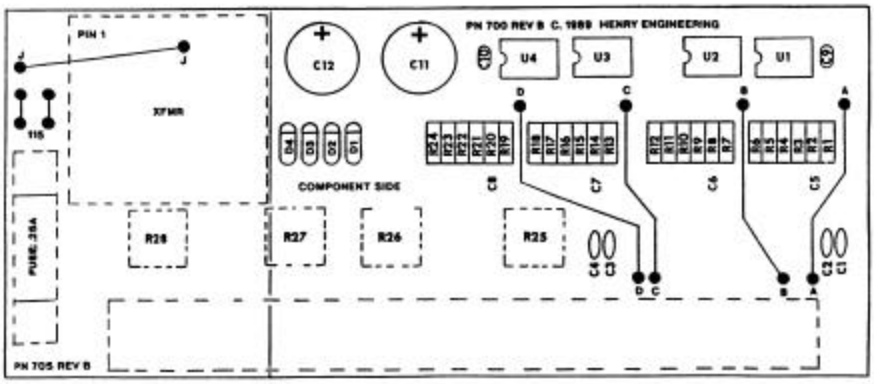
ADJUSTMENT:

Each channel of the TwinMatch has a gain adjustment. It is set at the factory for a gain of 14 db, so that a -10 dBv input will produce an output of +4 dBm. The gains may be changed via the trimpots located just above the output terminals. The gain range is from +6 to +20 dB.

SPECIFICATIONS:

INPUT LEVEL	-10 dBv nominal
INPUT IMPED	25k ohms, unbalanced
GAIN	+6 to +20 dB
OUTPUT LEVEL	+4 dBm nominal, +25 dBm max
OUTPUT LOAD	600 ohms or higher
FREQ RESPONSE	DC to 20 kHz, +/- 0.25dB
NOISE LEVEL	85 dB below +4 dBm output
DISTORTION	.008% IM/THD





COMPONENTS LIST:

R4,6,10,12,16, 18,22,24	47 ohm
R25-R28	100 K
All other R	24.9K
C1-C4	.001 uf
C5-C8	30 pf
C9,C10	.1 uf
C11,C12	1000 uf
D1-D4	1N4004
U1-U4	NE5532
FUSE	.25A