



FEATURES

- 20 to 20K response (+ 4db)
- Adjustable gain
- Preset attenuators
- Internal power supply
- Rack mountable using RM-140 kit
- Low noise and distortion
- +4 or +8dBm balanced outputs
- Compact half rack size, 1RU tall
- Made in USA

The RCI Custom Products **440 Pro Adapter** is a two channel variable matching amplifier, designed to permit the interface of semi-professional (consumer) audio equipment and professional audio devices. This remarkably “quiet” unit is well suited for studio, broadcast or live production applications. Unit can convert unbalanced output signal from consumer type equipment (CD, MP3, DVD players) to balanced signal input for professional grade gear. Comprised of two amplifier sections and two attenuator sections, the Model 440 is designed to boost low level signal (-20 to +3dB) to balanced +4dBm level. Rear panel trim controls allow the user to vary the gain up to +8dBm in order to meet broadcast industry standards. Additionally, the amplifiers provide an impedance matching characteristic necessary to avoid overloading the -10dB equipment. The 440 also allows for reversal of the process, converting balanced signal to unbalanced signal.

Connections include RCA input jacks to barrier strip outputs on the amplifier side. Attenuator side uses barrier strip inputs to RCA outputs. Model 440 X provides RCA input jacks to male XLR outputs on the amplifier side and female XLR inputs to RCA outputs on the attenuator side.

Units may be rack mounted individually or in pairs side by side in the half rack configuration using the optional RM-140 rack mount kit.

SPECIFICATIONS:**Amplifier Section**

Input: 30k ohm, unbalanced
Output: 85 ohms, transformer balanced
Response: 20 to 20 kHz, .01% mid-band
THD: 0.1%, 30Hz to 20 kHz, 65db @ 10 kHz
Slew Rate: 13V per microsecond
Separation: Better than 85db @ 1 kHz, 65db @ 10 kHz
Noise: 76db below +4dBm
Clipping: +25dBm into 600 ohm

Attenuator Section

Input: 50k ohms bridging
Output: 3k ohm
Attenuation: 24 db

Physical

Power: 115 VAC, 60Hz, 10 watts
Weight: 3 lbs. (2.2kg)
Finish: Black anodized chassis
Options: RM-140, rack mount adapter

A & E SPECIFICATIONS

The professional equipment interface unit shall be RCI Custom Products Pro Adapter Model 440_, two channel amplifier/attenuator system for the interface of semi-professional audio equipment to professional equipment, is comprised of two amplifier sections and two attenuator sections and shall feature adjustable gain, preset attenuators and internal power supply all within a half-rack format. The amplifier section shall consist of two (2) channels with input phono jacks for -10dBv @ 30k ohms with variable gain through a trim control and two (2) output screw terminals at +4dBv @ 85k ohms and shall provide at least 85dB separation between channels @ 1kHz and at least 65dB @ 10kHz. The attenuator section shall consist of two (2) channels with input screw terminals for +4dBv @ 50k ohms and two (2) output phono jacks at -10dB @ 3k ohms and shall provide at least 85dB separation between channels @ 1 kHz and at least 65dB @ 10 kHz. Frequency response shall be 20Hz to 20 kHz +/- .25dBm, with THD of not more than .1% @ 30Hz to 20 kHz and .01% @ midband. Noise shall be less than 76dB below +4dBm. Slew rate shall be not less than 13 volts per microsecond and clipping shall be +25dBm into 600 ohms. The unit shall be 44mm H x 216mm W x 147mm D (1-3/4" x 8-1/2" x 5-3/4") and weigh not more than 2.2kg. (3 lbs.), have a black anodized finish on an aluminum chassis and allow rack mounting through the use of an RCI Custom Products Model RM140 rack mount adapter.