

AUDIO SOLUTIONS

Stereo Audio Unbalanced to Balanced Converter and Line Conditioner

Part Number: SC206-204 and SC206-205



Ideal for eliminating the effects of transmission interference when using single-ended audio signals - such as those commonly transmitted from personal music players or computers via connector formats such as 3.5mm and RCA - the new Altinex SC206-204 and sister product SC206-205 audio signal converter and conditioners eliminate noise and interference caused by external RF signals and by variations in ground levels - making them an excellent choice for improving audio quality in presentation systems.

The SC206-204 / 205 use high quality transformers to reduce noise on single-ended audio signals by converting the single-ended audio signal to a balanced or differential format and by isolating grounds to eliminate ground loops. Especially effective when close to the original source, the SC206-204 / 205 is excellent low cost insurance to maintain pristine sound quality when it reaches the amplifier.

REMOVES 60 Hz "Hum"

Installed close to the source device, the SC206-204 / 205 silences the all too common 60 Hz "Hum" by converting the signal from single-ended to balanced. Other artifacts of improper grounds and transmission interference are also removed by this technique.

ELIMINATES NOISE FROM GROUND LOOPS

Long distances and differences in ground levels are the primary culprits of earth or ground loops and are not easily resolved by integrators. By isolating troublesome grounds using the SC206-204 / 205, the sound is maintained in its original pristine quality.

FULLY PASSIVE

The SC206-204 and SC206-205 do not require external power - eliminating the need for a wall transformer or other external power source. This convenience enables these devices to be used almost anywhere without being tethered to an electrical outlet.

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SPECIFICATIONS

GENERAL

Connectors

INPUT: (1) 3.5 mm Mini-Plug Male (SC206-204)
(2) RCA Connector (SC206-205)

OUTPUT: (1) 5-Pin Male Terminal Block
(1) 3.5 mm Mini-Plug Female (SC206-204 - Local Loop Out)

POWER: None Required

MECHANICAL

MATERIAL: FP-301 Tubing, Clear

DIMENSIONS: 0.8" X 1.3" X 2.5" (20 X 33 X 64mm)

WEIGHT: 0.2 lbs (0.1 kg)

SHIPPING WT: 0.6 lbs (0.3 kg)

TEMPERATURES: 10°C TO 40°C, Max 0°C to 50°C

MTBF (Calc): 100,000 Hours

ELECTRICAL

INPUT SIGNALS

IMPEDANCE: 600 Ohms

MAX LEVEL: 3 dBu

OUTPUT SIGNALS

GAIN: 0 dB (- 0.3 dB)

IMPEDANCE: 600 Ohms

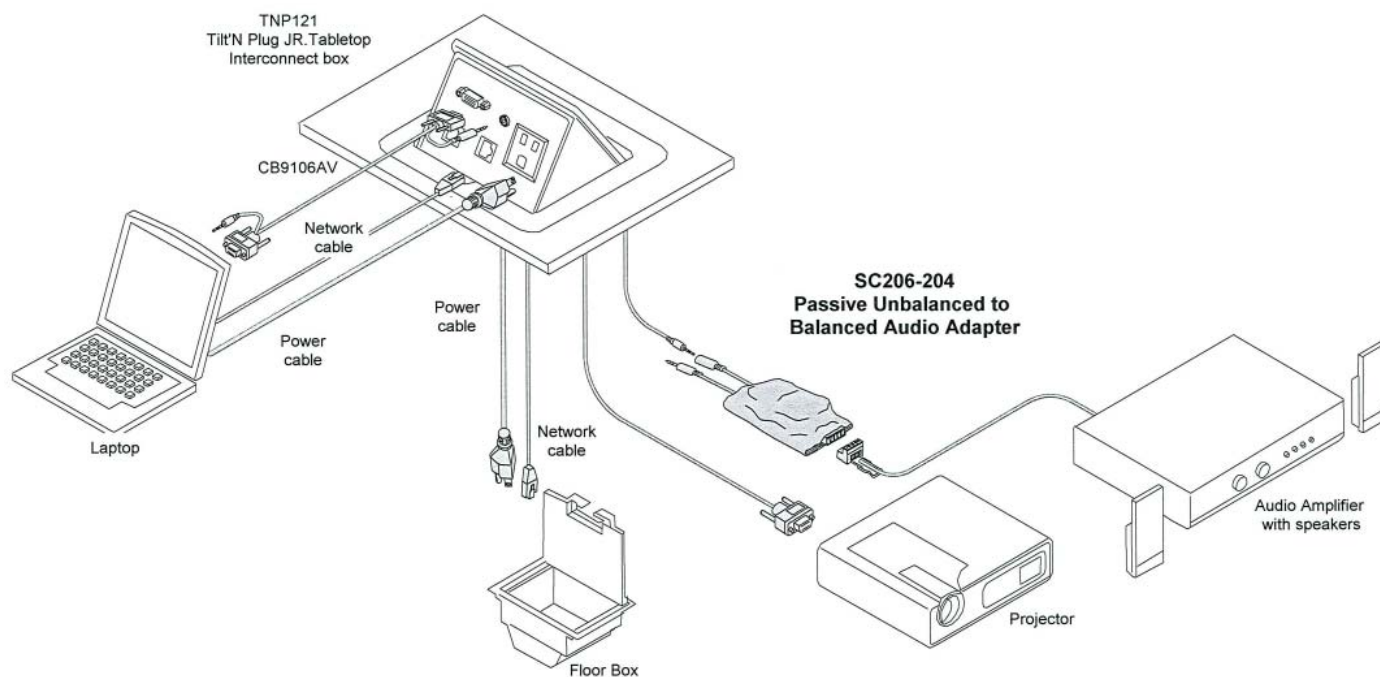
RESPONSE: 200 Hz - 15 kHz

MAX POWER: 100 mW

WARRANTY

3 Years

SAMPLE APPLICATION



ALTINEX

Easy to use • Easy to install • Easy to maintain

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