



Overview

The Digital Audio Balun allows a digital audio source to be connected up to 600 feet (183m) away from a digital audio decoder/amplifier via copper unshielded twisted pair (UTP). Used in pairs, the Digital Audio Balun allows a Digital Audio source such as a DVD, VCR or satellite receiver to be connected via copper twisted pair to a Digital Audio home theatre system in a point-to-point scenario.

The Digital Audio Balun connects directly to the digital audio equipment and features screw terminals and built-in cable strain relief for ease of installation and reliable connectivity.

Applications

Home theatre systems, schools, concert halls
Auditoriums and convention halls
Arenas, parks, airports, hotels.



Features

- Supports Dolby® Digital, dts® digital audio
- Up to 600 feet (183m) via Cat 5 UTP
- Cable strain relief
- Compact design
- Lifetime warranty

Specifications	
Environment	Dolby® Digital, Dolby Pro Logic, dts®, LOGIC7®, THX Surround EX™
Devices	DVD, VCR, Camcorders, satellite receivers, home theatre, channel processors, amplifiers, D/A converters, MPEG encoders/decoders, switchers and other commercial or consumer audio equipment supporting digital audio.
Transmission	Transparent to the user.
Bandwidth	DC to 25 MHz
Maximum Input	1.0 Vp-p
Insertion Loss	Less than 1 dB per pair over the frequency range
Return Loss	Greater than 15 dB over the frequency range
Common Mode Rejection	Greater than 60 dB @ 10 MHz
Max. Distance	Cat 5 – 600 ft. (183m)
Cable – UTP	24 gauge or lower solid copper twisted pair wire impedance: 100 ohms at 1 MHz. Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz
Connectors	Two (2) screw terminals One (1) S/PDIF (RCA) gold-plated male connector
Pin Configuration	Tip-signal, Ring-GND
Impedance	Input: 75 ohms (RCA) Output: 100 ohms (Screw Terminals).
Temperature	Operating: 0 to 55 C. Storage: -20 to 85 C. Humidity: up to 95%
Enclosure	Fire retardant plastic
Dimensions	2.30" x 0.62 x 0.62 (5.8 x 1.6 x 1.6 cm)
Weight	1.5 oz (43 gms)
Regulatory	FCC, CE. US Design patent # D495,320
Warranty	Lifetime
Order Information	500020 Digital Audio Balun

Typical Application

