

## 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.

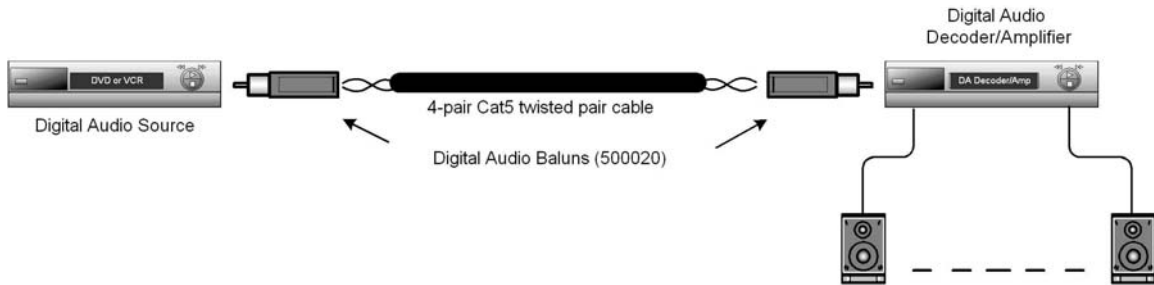


## Features

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

Specifications	
<b>Environment</b>	Dolby® Digital, Dolby Pro Logic, dts®, LOGIC7®, THX Surround EX™
<b>Devices</b>	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.
<b>Transmission</b>	Transparent to the user.
<b>Bandwidth</b>	1MHz to 25 MHz. Does not have DC continuity
<b>Maximum Input</b>	1.0 Vp-p
<b>Insertion Loss</b>	Less than 1 dB per pair over the frequency range
<b>Return Loss</b>	Greater than 15 dB over the frequency range
<b>Common Mode Rejection</b>	Greater than 60 dB @ 10 MHz
<b>Max. Distance</b>	Cat 5 – 600 ft. (183m)
<b>Cable – UTP</b>	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
<b>Connectors</b>	Two (2) screw terminals One (1) S/PDIF (RCA) gold-plated male connector
<b>Pin Configuration</b>	Tip-signal, Ring-GND
<b>Impedance</b>	Input: 75 ohms (RCA) Output: 100 ohms (Screw Terminals).
<b>Temperature</b>	Operating: 0 to 55 C. Storage: -20 to 85 C. Humidity: up to 95%
<b>Enclosure</b>	Fire retardant plastic
<b>Dimensions</b>	2.30" x 0.62 x 0.62 (5.8 x 1.6 x 1.6 cm)
<b>Weight</b>	1.5 oz (43 gms)
<b>Regulatory</b>	FCC, CE. US Design patent # D495,320
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500020 Digital Audio Balun

**Typical Application**



**Head Office**

8495 Dalton Road, Mount Royal, Quebec, H4t 1V5

Tel: (+1) 514 905 0588 Fax: (+1) 514 905 0589

Toll Free: 877 689-5228 URL: [www.muxlab.com](http://www.muxlab.com)