InstaMusician Balun™   Audio/Video Baluns

TYPICAL USE DIAGRAM

Video Receiving Equipment · Audio Source Equipment · UTP Cable · SDS903 · Audio Cables · SDS904 · Video Source Equipment · RG6 or RG59 coax cable · Audio Receiving Equipment · RG6 or RG59 coax cable · AUDIO CABLE · UTP CABLE

Features/Advantages

- Sends both audio and video over single UTP
- Superior signal balance. Reduces crosstalk, ingress and ghosting
- Can utilize the existing telecom wiring
- Passive unit
- Meets FCC Class A standards
- Rugged metal case
- Made in USA
- 100% tested

Description

The ETS InstaMusician™ Baluns (SDS903 and SDS904) enable both audio and composite video signals to be sent over a single Cat5 or better cable. The InstaMusician Baluns are compact, lightweight, versatile, passive components that have bi-directional capability.

Since the InstaMusician Baluns are passive units, you do not need power. The InstaMusician Baluns accept 'mic' level, line level, analog or digital audio and support phantom power when using shielded Cat5e or 6 cables.

ETS has designed this custom part for theater orchestras for simultaneous listening and viewing. Hence, no more missed cues. Used in this application, the SDS903 and SDS904 are both highly cost effective and easily, neatly, and quickly installed. In addition, the single UTP cable replaces more costly and heavier coax cables.

The SDS903 with (4) 3.00 foot pigtails lets you access the mixer without the need for an additional 3 microphone cables and RG6 or RG59 coax cable for video.

Applications

- Theater orchestras
- Churches
- Schools
- Classrooms
- Auditoriums
- Live theaters
- Seasonal venues
- Touring productions

Specifications

Video:

Support	Composite baseband – NTSC, PAL, SECAM, or CCTV
Bandwidth	Flat to 60 MHz
Connector	BNC to etherCon RJ45 jack (pins 7, 8)

Audio:

Crosstalk	@ 20KHz -109dB between Ch 1 and Ch 2
	-103dB between Ch 1 and Ch 3
	-106dB between Ch 2 and Ch 3
Connectors	XLR connector to etherCon RJ45 jack
	Ch 1 pins 5 & 4; Ch 2 pins 1 & 2; Ch 3 pins 3 & 6
Distance	UTP – 1200 ft; FTP, STP 850 ft – Phantom power only
Media	Category 5e or better UTP cable is recommended
Dimensions	107mm x 70mm x 50mm (SDS904)
	69mm x 62mm (+pigtail) x 36mm (SDS903)
Weight	0.50 Kg (SDS903); 0.43 Kg (SDS904)

Product Ordering Information

SDS903	Receive (3) MXLR + (1) MBNC, 3.00 ft pigtail to RJ 45 jack, Audio pins 5,4; 1, 2 and 3, 6. Video: pins 7, 8
SDS904	Send (3) FXLR + (1) FBNC to RJ45 jack Audio pins 5, 4; 1, 2 and 3, 6; Video: pins 7, 8

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