

Audio Splitter

FOX ADS13



Product Introduction

This is a professional 1-in-3-out audio distributor designed for broadcast, live sound, AV system integration, and recording studios. Featuring a single-input-to-three-output architecture, it supports balanced/unbalanced line-level signal distribution, ensuring lossless transmission and low-noise output. Built-in isolation transformers effectively eliminate ground loop interference and support long-distance cabling (>100 meters). The unit delivers an optimal balance of flexibility and isolation performance, making it ideal for synchronized audio distribution across multiple devices.

Product Features

- ✧ 1-in-3-out split: One XLR input to three independent XLR outputs, supporting balanced/unbalanced signals with zero signal attenuation;
- ✧ Noise Isolation: Built-in isolation transformer with >50 dB ground loop suppression, eliminating hum and EMI interference;
- ✧ Professional Connectivity: XLR/TRS balanced inputs, RCA/1/4" output combinations (optional), for seamless integration into PA or AV systems;
- ✧ Zero-Latency Design: 0 transmission latency ensures real-time synchronization;
- ✧ Power Requirements: No power supply required;
- ✧ Rugged Construction: Compact metal housing, suitable for environments from 0°C~50°C.

Specification

Category	Parameter Item	Parameter Description
Audio Performance	Input Channels	1 x XLR Female connector (Balanced/Unbalanced)

	Output Channels	3 x XLR Male connectors (Individually Isolated)
	Frequency Response	20 Hz~20 kHz (± 0.1 dB)
	Total Harmonic Distortion + Noise (THD+N)	< 0.005% (1 kHz, 0 dBu)
	Signal to Noise Ratio (SNR)	> 110 dB (A-weighted)
	Dynamic Range	> 115 dB
	Maximum Input Level	+26 dBu (balanced); +20 dBu (unbalanced)
	Maximum Output Level	+26 dBu (per output)
	Crosstalk	< -90 dB (between channels)
Isolation and Noise Suppression	Isolation Type	1:1 Professional-grade transformer
	Isolation Voltage	> 1 kV (input/output)
	Ground Loop Noise Rejection	> 50 dB (50/60 Hz)
	EMI/RFI Shielding	Built-in filter circuit (>40 dB attenuation)
	Maximum Transmission Distance	≥ 100 m (balanced output, no attenuation)
Interfaces and Connections	Input Connector Standard:	1 x XLR female;
	Output Connector Standard:	3 x XLR male (balanced); Optional: 3 x 1/4" TS (unbalanced)
	Digital Interface	None (pure analog design)
	Impedance (Input/Output)	Input: 600 Ω (balanced) / 600 Ω (unbalanced); Output: 600 Ω (balanced)
Physical and	Dimensions (L x W x H)	70 mm x 36 mm x 100 mm

Environmental	Weight	0.47 kg
	Enclosure Material	Metal housing, blue painted
	Operating Temperature	0°C~50°C
	Storage Temperature	-20°C~70°C
	Humidity	5%~95% (non-condensing)
Power and Safety	Power Input	No adapter required, passive power supply
	Power Consumption	< 5 W (typical, all outputs active)