

# Doteck

## Doteck AC1 Series

### Analog Audio to AES/EBU Digital Audio Converter



#### Features

- (1) Designed specially for radio station with high quality audio format conversion requirements
- (2) Very wide analog audio dynamic range
- (3) Automatic switching between balanced and unbalanced audio input, ESD protection, more safe, more reliable
- (4) Compatible with many sorts of AES/EBU digital audio sampling frequencies
- (5) Perfect LED indicators design, very convenient to monitor device work well or not
- (6) PCB boards made with environment friendly Pb-free
- (7) PCB boards made with multilayer design, to ensure stable and reliable signal conversion
- (8) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance
- (9) Enclosure box material is made of aluminum, elegant and exquisite appearance, light weight
- (10) Switching power supply design, wide voltage range, reliable long-term running

(11) 19-inch width 1RU height standard box design, convenient to setup and operate

## Introduction

Dotack AC1 series analog audio to AES/EBU digital audio converter can convert 4 analog audio to 2 AES/EBU digital audio, each 2 analog audio is converted to one AES/EBU digital audio. Conversion quality is ensured, meet broadcast quality standard.

Dotack AC1 series analog audio to AES/EBU digital audio converter has high supreme signal precision, stability, reliability, which is a ideal audio converter for radio station, CMMB, IPTV, mobile TV, mobile phone TV, telecommunication operators, government video conference system and other new media field.

## Technical Specifications

<b>Analog audio input</b>	
Channel	4
Frequency response	20Hz-20KHz@-0.5dB
Operating mode	Balanced or unbalanced
Max output level	17.4Vp-p(+18dBm)
Isolation	>90dB@1KHz, >90dB@20KHz
Impedance	600Ω
Connector	XLR
<b>AES/EBU digital audio output</b>	
Channel	2
Level	5Vp-p
Sampling frequency	48KHz
Jitter	<0.005UIp-p
Rise/Fall Time	<25ns
Impedance	110Ω
Connector	XLR
<b>Physical</b>	
Dimension(H×W×D, mm)	44×433×346(mm)

Dual power supply	130-260VAC, 50/60Hz
Operation temperature	0-50°C
Relative humidity	0-95%, non-condensing
LED status indicator	Power, audio activity

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