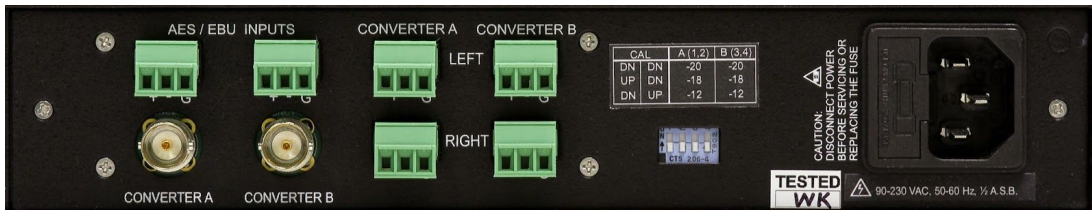
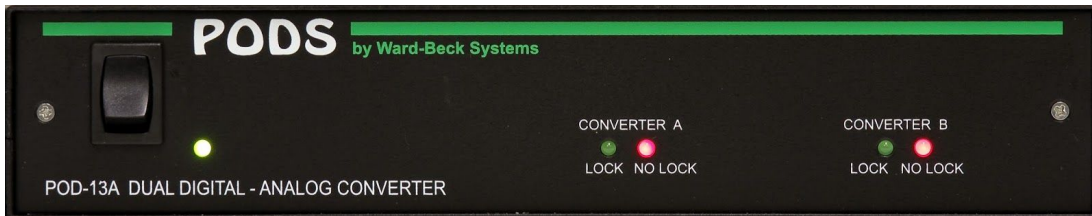
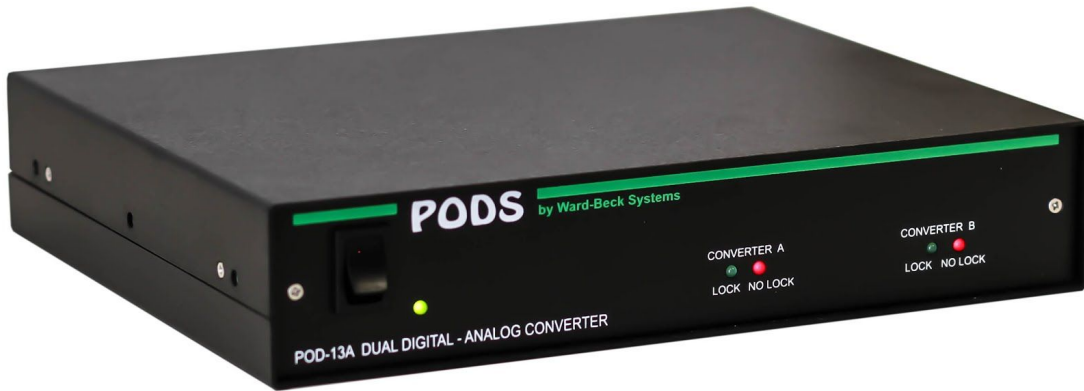


# POD13A

## DUAL DIGITAL-ANALOG CONVERTER



by Ward-Beck Systems

# POD13A DUAL AES/EBU DIGITAL TO ANALOG CONVERTER

This is one of many in our line of top quality, low-cost broadcast problem solvers. PODS are compact, rugged and affordable. They are suited for tabletop use or rack-mountable singly or in pairs, in any combination.

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POD13A is a dual AES/EBU digital to analog audio converter. This unit is equipped with both 75Ω and 110Ω inputs. The re-clocking circuitry in the POD13A ensures that the incoming digital audio signal is recovered reliably, even when relatively long cable runs are involved.

Front panel controls and tallies include a power switch with LED tally and for each converter a LOCK and NO LOCK LED tally. Connections to the unit are on the rear panel with AES/EBU inputs: Phoenix type terminal connector for the 110Ω version, and BNC type for the 75Ω version. The digital input reference level, for both converters, is adjustable through the rear DIP switch.

DIP switch settings are as follows:

Cal	Converter A (SW1, SW2)	Converter B (SW3, SW4)
Dn, Dn	-20 dBF	-20 dBF
Up, Dn	-18 dBFS	-18 dBFS
Dn, Up	-12 dBFS	-12 dBFS
Up, Up	RESERVED	RESERVED

## Status

Each converter in POD13A is equipped with two front panel LED status tallies. The function of these tallies are:

GREEN LED	LOCK - Indicates that the receiver is locked to the incoming AES/EBU signal.
RED LED	NO LOCK - Indicates that the receiver cannot lock to the incoming signal. This may mean that there is no signal or the signal is beyond the recoverable range of the receiver.

## SPECIFICATIONS

### AES/EBU INPUT

Resolution	24-bit
Input Level	0.2-7V p-p
Input Impedance	75 $\Omega$ and 110 $\Omega$ (transformer balanced)
Sampling Frequency Range	
32kHz-192kHz	

### ANALOG AUDIO OUTPUT dBu)

(fs=48kHz, -20 dBFS=+4

Maximum Output Level	+24 dBu
Output Impedance	60 $\Omega$ balanced
Frequency Response	+/- 0.15 dBu, 20Hz to 20 kHz
Total Harmonic Distortion	0.01%
Noise (un-weighted) 20 kHz	-83dBu, 20 Hz to
Channel Separation	
-70 dBu	

Power Requirements	100-240 VAC, 50-60Hz
Dimensions	8.69" wide x 1.73" high x 7.0" deep (221mm x 44mm x 178 mm)
Weight	1.37 kg (3.01 lbs)

*Ward-Beck Systems Inc. reserves the right to change performance specifications without prior notice.*

## **WARRANTY**

All Ward-Beck Systems Inc. products are warranted against defective materials and workmanship for a period of one year from the date of shipment.

Ward-Beck Systems Inc. will repair or replace, at its option and without charge, all said products or parts thereof which upon factory inspection prove to be defective during the warranty period, provided that:

1. The original serial numbers are intact and have not been tampered with.
2. The purchaser shall return any equipment or parts thereof to Ward-Beck Systems Inc. only after obtaining prior authorization and shipping instructions from the factory. (Ward-Beck Systems Inc. reserves the right to inspect or repair equipment on the purchaser's premises).
3. The purchaser assumes the obligation for all expenses in connection with the shipping and return of such goods, once authorization has been obtained.

This warranty does not cover items normally considered expendable, such as fuses and lamps.

This warranty does not cover damages caused by misuse, accident, neglect, unauthorized alteration, repair by unauthorized personnel, or damage caused by an act of God, war, or civil insurrection.

In no event shall Ward-Beck Systems Inc. be liable for consequential damages. Ward-Beck Systems Inc. shall have the rights to final determination as to the application of this warranty.

Ward-Beck Systems Inc. reserves the right, at any time and without notice, to make changes in its equipment, components, specifications or designs, as may be warranted by progress in state-of-the-art technology.

Ward-Beck Systems Inc. reserves the right to make design changes, additions to, and improvements in its products, without obligation to install such revisions in products previously manufactured.

The warranty set forth herein is in lieu of all other warranties expressed or implied, including the warranties of merchantability and fitness.

**WARD-BECK SYSTEMS INC.**

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