

The Interbox 2F interfaces a GO and RETURN path from a consumer S/PDIF device to a professional AES-3 device, with optional Sample rate conversion.

The ITB-2F represents an ideal & cost-effective method of fully interfacing consumer digital audio equipment to the professional AES-3 environment.

Front panel of Interbox-2F



Description-ITB1F

The 'S/PDIF to AES' side of the unit auto-senses between TOSLINK and Phono socket inputs, with the optical feed taking priority. The Channel Status information is automatically converted to Professional format and passed to the AES-3 output.

If 'SRC' is selected, the AES-3 output is clocked from the AES-3 input, and the necessary sample rate conversion from Consumer input to AES-3 output is performed, completely isolating Consumer side from the Professional side.

Rear panel of Interbox-2F



The 'AES to S/PDIF' side of the unit accepts an AES-3 signal and automatically converts the Channel Status information to 'Consumer, Copy enable' suitable for consumer CD-R/MD & computer interfaces. The signal is passed out of the S/PDIF Phono and TOSLINK feeds simultaneously.

If the SRC is selected, the S/PDIF output is clocked from the S/PDIF input, completely isolating the Consumer side from the Professional side.

Applications

- Interface of DAT machines to Digital mixers.
- Interface of Minidisk machines.
- Interface of Consumer PC digital audio cards.
- S/PDIF to AES conversion
- AES to S/PDIF conversion with channel status correction.
- 44.1KHz to 48KHz conversion and visa versa.

INTERBOXES

ITB-2F

Specification – Inputs

AES input on XLR3F.
Transformer balanced, earth-free input.
Termination impedance 110R
Minimum signal level 200mV p-p

SPDIF input on phono socket.
Unbalanced input to IEC958
Input impedance 75R
Minimum signal level 200mV p-p

OPTICAL input on TOSLINK with dust cap.

Specification – Outputs

AES output(s) on XLR3M.
Transformer balanced, earth-free output.
Output impedance 110R.
Output level 4V p-p nominal

S/PDIF output on phono socket.
Unbalanced output to IEC958
Output impedance 75R
Output level 1V p-p nominal

OPTICAL output on TOSLINK with dust cap.

Specification – General

DC power 10-30V DC on 2.5mm barrel plug,
centre +ve.

Tri-colour LOCK LEDs indicate
Red = no signal,
Orange = Errors & Validity flag
Green = Signal OK.
SRC conversion to 24bit.

Overall dimensions and finish

Heavy duty aluminum extrusion, plastic bezels
Height 52mm, width 94mm, depth 108mm
Weight 250g

