



Telephone hybrid AEV ITB 302



ITB 302

Digital perfection

DSP, Advanced Technology and Superb Quality

Digital perfection: advanced technology and superb quality

AEV, having affirmed its position as a world leader in the field of Studio and Reportage telephone area, has excelled once more with its new digital telephone hybrid **ITB 302**.

ITB 302 offers leading-edge solutions in all telephone broadcast applications, teleconferencing and communications, guaranteeing the highest levels of telephone quality and user-friendly operativity.

ITB 302 is a dual line hybrid that features the indispensable mix-minus system. The quality derived from this hybrid is of particular benefit during multi-line conferences and ensures elimination of the Larsen effect, even with poor quality telephone lines.

ITB 302 uses advanced **DSP technology** for echo-cancellation in order to produce a perfectly natural audio during telephone conversations; the sophisticated echo-canceller ensures a crystal-clear audio output bringing to the listener the very highest quality sound

ITB 302 automatically adapts to all types of telephone lines and eliminates, on each new call, any speaker's voice modification or distortion thanks to the advanced digital techniques used

Characteristics and features

- Capable of connecting more than one ITB 302, to interface upto "n" telephone lines independently, or in conference mod (integrated mix-minus system)
- Exceptional versatility thanks to connection to 2, 4 wire lines and GSM
- Independent adjustment of transmission and reception levels
- Led meter for instant display of transmission and reception levels
- Independent balanced audio inputs and outputs for all telephone lines
- Logic I/O for remote control
- Keyboard for remote control (Optional)
- Balanced audio inputs and outputs for conferences
- Precision band-pass filter to clean up noise and hum from the telephone lines
- Optional remote controller
- Sophisticated digital DSP echo/canceller


**AUDIO INPUT
(SEND 1 AND 2)**

Input Impedance: Greater than 10 KW electronically balanced
 Input Level Range: Adjustable by ± 12 dBu
 Connectors: XLR type-female, Pin 1 GND, Pin 2 Inphase, Pin 3 Return, Pin 2 and 3 electronically balanced

**AUDIO OUTPUT
(RECEIVE 1 AND 2)**

Output Impedance: 100 W electronically balanced
 Nominal Output Level: 0 dBm adjustable between -6 and +12 dBu
 Maximum Output Level: + 16 dBm
 Connectors: XLR type-male, Pin 1 GND, Pin 2 Inphase, Pin 3 Return, Pin 2 and 3 electronically balanced

**IN/OUT CONFERENCING
AUDIO**

Input Impedance: Greater than 10 KW electronically balanced
 Input Level Range: Adjustable by ± 12 dBu
 Output Impedance: 100 W electronically balanced
 Nominal Output Level: 0 dBu adjustable between -6 and +12 dBu
 Connectors: 9 Pin Subminiature Cannon female

HYBRID CIRCUIT

Standard specification ETS 300001 (NET 4)
 Impedance: 600 W typ.
 RX Level: -20 , 0 dBu (with automatic adjustment)
 TX Level: -8 dBu (with automatic adjustment)
 Hybrid Null: -40 dB full band
 Frequency Response: 230 Hz , 3400 Hz
 Distortion: 0,8 %
 Connector: RJ 11

4 WIRE SECTION

Impedance: 600 W transformer balanced
 RX Level: -12 , +12 dBu
 TX Level: 0 dBu
 Frequency Response: 50 Hz , 20 KHz (-0,5 dB)
 Distortion: 0,8 %
 Noise: Greater than 76 dB
 Crosstalk: Greater than 75 dB
 Connector: RJ 11

GENERAL DATA

Power Supply: 87 , 265 VAC 50 , 60 Hz
 Power Requirement: 12 VA
 Dimensions: 19" rackmount 1 unit
 Weight: 4,2 Kg