

Telephone hybrid AEV 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
- 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
GENERAL DATA	Connector:	RJ 11
	Power Supply:	87 , 265 VAC 50 , 60 Hz
	Power Requirement:	12 VA
	Dimensions:	19" rackmount 1 unit
	Weight:	4,2 Kg