



# ITB 302 Evo

## Digital Telephone Hybrid Double Channels



AEV ITB-302 Evo is a studio telephone hybrid that satisfies all today's demands for studio and broadcast telephony allowing total management of telephone lines. It is designed with two telephone hybrid cards, to easier management for multiple connections to telephone lines. The main operating functions are controlled by a Remote Control keyboard, connected to the ITB-302 Evo with an ethernet network cable. Each channel moreover is provided with a double RJ11 port, so it is possible to connect two lines for each channel and choose which of them to use from menu to display, avoiding manual exchanges, for example a GSM Box can be connected in combination with a fixed line; a GPIO port on the rear supply the interface to other systems.

Several ITB-302 Evo units may be interconnected to allow expansion to "n" lines whilst maintaining simplicity of use. It is available the ITB Console unit to manage the control from 8 to 16 telephone lines with a single panel control. The telephone lines, appropriately filtered and isolated, allow Audioconferencing between them and the DJ. An internal microprocessor provides a range of functions that, until now, have been difficult to provide in the same unit. All potentiometers were eliminated in order to solve wear problems.



## ITB 302 Evo rear panel



## ITB 302 Evo Console



### Technical Data

#### AUDIO LEVELS

Input level (SEND 1/2)  $\pm 12$  dBm

Input impedance  $>10$  K $\Omega$  Electronically Balanced

Connector XLR female

Output level (RECEIVE 1/2)  $\pm 12$  dBm

Output impedance 100  $\Omega$  Electronically Balanced (max load 600  $\Omega$ )

#### HYBRID CIRCUIT

Input/output balanced and floating.

Impedance 600  $\Omega$

RX Level - 12  $\div$  +12 dBm

TX Level - 12  $\div$  +12 dBm

Hybrid null - 40 dB Full Band (on urban telephon line)

Frequency response 230  $\div$  3400 Hz

Distortion 0.8 %

#### 4 WIRE SECTION

Impedance 600  $\Omega$

RX Level - 12  $\div$  + 12 dBm

TX Level - 12  $\div$  + 12 dBm

Frequency response 50  $\div$  20000 Hz (-1 dB)

Distorsion 0.8 %

Noise < 74 dB (DIN Noise)

Crosstalk 75 dB (1KHz 0dBm)

#### MEETING SECTION

Input level  $\pm 12$  dBm

Input impedance  $>10$  K $\Omega$  Electronically Balanced

Connector XLR female

Output level  $\pm 12$  dBm

Connector XLR male

Output impedance 100  $\Omega$  Electronically Balanced (max load 600  $\Omega$ )

#### EXPANDER SECTION

Connector TRS ( TRS female 6,3 mm )

#### GENERAL DATA

Power supply 87 to 254 V 50/60 Hz 10 VA

Dimensioni 19" Rackmount 1 Unity

Weight 4.0 Kg



Remote control



ITB Console with  
8 telephone lines channels

