



AEV TELEREPORTER PLUS

Portable Digital Hybrid with GSM



Introduction

General features

TELEREPORT Plus is the new portable phone device (with echo canceller) devised by AEV ultra-decennial experience in the broadcasting phone systems sector.

Its reduced size and weight are the ideal solution for reporting services by audio transfer both via dial-up and mobile phone lines.

It is specially suited for conditions where the available operative range for the reporter is limited.

This device is housed inside a shock-resistant case. On the upper panel, with the keyboard, there is a LCD display (65x14), which displays the instrument status and all the standard displays usually found on GSM mobiles. The scrolling between menus is carried out with the keys "ARROW KEY", also located on the front panel with the numeric keyboard, which is used for dialing and to store/recall the corresponding numbers.

Main Functions

- μ P total operation, which, via a DSP circuit, allows the blanketing of line echo, in the event of a call on a dial-up line.
- Parametric filter able to equalize the incoming audio signal, thus optimizing the frequency response and gain of the signal received based on the quality of the line available.
- Option of a GSM internal module, with external aerial: it can be connected to the TELEREPORT PLUS via the connector located on the front panel. A connector "CELL" is also present, this allows to use an external GSM
- NiMh high efficiency inside batteries. Their recharging is controlled by a specific circuit, assuring maximum efficiency and life.
- Ringing and busy tones detection.
- DTMF tones detection and replay.
- Generation of the test tone to adjust the audio via the phone line.

Main Features

- Two inputs, which MICRO/LINE selection is carried out with the switch located on the rear panel.
- Two headset outlets with the volume adjustable directly with the specific keys on the keyboard located on the upper panel, with level range on display.
- REC outlet, with the volume adjustable from the specific menu and level range on display.
- With the upper panel keyboard and with the display it is possible to access different functions such as:

Front panel



- 1- On switch.
- 2- Hook-on line Switch.
- 3- Aerial connector
- 4- SIM CARD slot

Upper panel



- 1 - Alphanumeric display.
- 2 - Keypad for numbers keying in and storing/recalling.
- 3 - Arrow Keys for shifting and for parameters settings within the menus and sub-menus.
- 4- Specific keys for regulating the head-sets level.

Rear panel



- 1- 5Vdc Battery charger connector
- 2- Charged battery signal led
- 3- Recharging battery signal led
- 4- Input for micro/line 2
- 5- Input selector for micro/line 2
- 6- Input selector for micro/line 1
- 7- Input for micro/line 1
- 8- Phone line connector
- 9- Rec output
- 10- Output for headset 2
- 11- Output for headset 1
- 12- Connector for external GSM connection

Technical Specification**MICROPHONE INPUT**

Configuration	Transformer Balanced Input (EMI Filtered)
Input impedance	200 Ω balanced
Input Level Range	-60 dBu ÷ - 50 dBu adjustable
Frequency Response	100 Hz ÷ 6 KHz
Noise	-63 dBu (din Audio)
Connector	6 mm Jack stereo female
ALC Control Range	between -60 ÷ -40 dBu
ALC Attack Time	10 mSec
ALC Release Time	2 Sec

LINE INPUT

Configuration	Electronic Balanced Input (EMI Filtered)
Input Impedance:	20 K Ω electronically balanced
Input Level Range	0 dBu \pm 12 dB adjustable
Frequency Response	100 Hz ÷ 6 KHz
Noise	-66 dBu (din Audio)
Connector	6 mm Jack stereo female

HEADPHONE OUTPUT (EMI FILTERED)

Power	2x160 mW @ 50 Hz level adjustable
Frequency Response	100 Hz ÷ 6 KHz
Connector	6 mm Jack stereo female

REC OUTPUT (EMI FILTERED)

Output Impedance	100 Ω unbalanced
Output Level	0 dBu fix
Frequency Response	100 Hz ÷ 6 KHz
Connector	6 mm Jack stereo female

HYBRID CIRCUIT

Standard Specification	ETS 300001 (NET4)
Impedance	600 Ω (EMI Filtered)
RX Level	-10 dBu (adjustable gain -6 ÷ +18 dB)
TX Level	0 dBu
Hybrid null	-40 dBu full band
Frequency Response	230 Hz ÷ 3400 Hz
Distortion	0.8 %
Connector	RJ11 4 pins

INTERNAL GSM

Standard Freq.	900/1800 (1900 on request)
Frequency Response	200 Hz ÷ 3700 Hz
Antenna Connector	SMA Female

MOBILE CONNECTOR (FOR EXTERNAL GSM)

TX Level	-10 dBu
RX Level	-6 dBu
Connector	RJ11 6 pins

GENERAL DATA

Power Supply	3 battery (NI-MH) 1.2 V 2300 mAh
Power Consumption	300 mA - With GSM: Rx 500 mA - Tx 800 mA
Autonomy	7.5h standard operations Max 2.5 with GSM
External Supply	5 Vdc 500 mA
Dimension (WxHxD)	14 x 44 x 19 cm
Weight	0,8 Kg (With internal GSM option)
Operating Temp.	0 ÷ 50° C