

NESO 2.4 is a DIGITAL AUDIO TRANSMISSION SYSTEM for monitoring applications to be used in TV productions, TV sets, theatre, stage management, technicians, etc.

NESO 2.4 system is made of a radio frequency base station which works on the 2.4GHz ISM band, and a complete range of hearing terminals both in-the-canal and behind-the-ear, all of them focused to high quality audio transmission/reception for professional applications.

The system is factory configurable.

### **NESO 2.4 - BASE STATION**

NESO 2.4 base station is a 2.4 GHz ISM band, with Frequency Hopping technology and GFSK modulation.

### **NESO 2.4 - HEARING TERMINALS**

The NESO 2.4 hearing terminals range includes a variety of radio frequency in-the-ear and/or behind-the-ear terminals, which fit to each user.

They are configurable in some of their working parameters.

They are long life Zinc/Air batteries (mercury free) powered, or rechargeable battery powered.

All the hearing terminals can be formfitting customized.

# NESO 2.4

## DIGITAL AUDIO TRANSMISSION SYSTEM FOR MONITORING

### NESO 2.4 MAIN ELEMENTS – BASE STATION

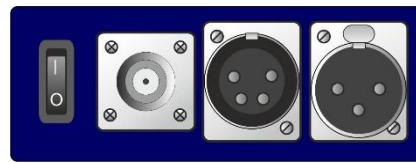
Front panel



1 2 3

1. Status LED: red active carrier; yellow audio presence (peak meter); green on.
2. Up/down output volume level.
3. Pairing button.

Rear panel



1 2 3 4

1. On/off switch
2. Type N antenna connector
3. XLR4 M: Power input – GND 1; + 4
4. XLR3 H: Audio IN – Line +4 dB

Transmission antenna





¼ antenna - 0 dBd

### NESO 2.4 MAIN FEATURES – BASE STATION

Frequency:	Comply with ISM 2.4 GHz (UN 85)
Output power :	+20dBm
Power density (FH):	+20dBm/100 KHz
Audio input level:	Line (+4 dB). Optionally balanced under demand
Audio bandwidth:	50 Hz – 10 kHz
Distorsion:	< 0,2%
Estimated range (LOS):	≈80 m (depending on enviroment)
Power:	220V with VAC converter or direct 12V VDC
Dimensions:	155 x 115 x 35 mm
Weight:	300 g
Technical regulation referenced:	EN 300.328

### NESO 2.4 MAIN FEATURES – HEARING TERMINALS

	IN-THE-CANAL	BEHIND-THE-EAR
		
Color:	To choose from	To choose from
Battery:	10A Zinc/Air	312 Zinc/Air
Power consumption:	1,15 mA	1,13 mA
RF frequency:	2.4 ISM	2.4 ISM
Audio bandwidth:	100 Hz – 9,5 kHz	100 Hz – 9,5 kHz
Distorsion:	0,5%	0,6%
Maximum SPL:	100 dB	100 dB

*\*Specifications subject to change without notice*