WAVENET
RF ENGINEERING

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.

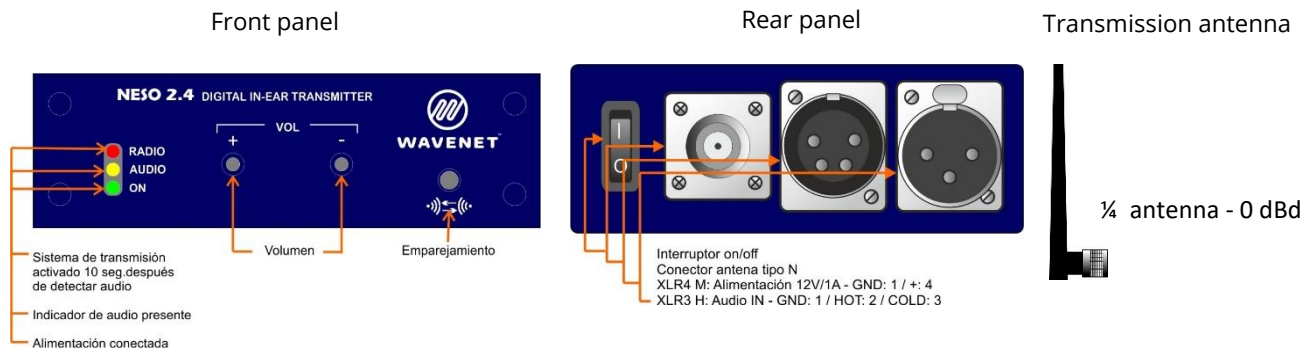They are configurable in some of their working parameters.

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 MAIN ELEMENTS – BASE STATION

Front panel

Rear panel

Transmission antenna

¼ antenna - 0 dBd

Sistema de transmisión
activado 10 seg.después
de detectar audio

Indicador de audio presente

Alimentación conectada

Interruptor on/off
Conector antena tipo N
XLR4 M: Alimentación 12V/1A - GND: 1 / +: 4
XLR3 H: Audio IN - GND: 1 / HOT: 2 / COLD: 3

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 (0,775v)**
Audio bandwidth:	**50 Hz – 10 kHz**
Distorsion:	**< 0,2%**
Estimated range (LOS):	**≈80 m (depending on eviroment)**
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**

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INNOVATIVE SME
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