

OMNITRONIC IEM-500 In-ear monitoring set

Multifrequency in-ear monitoring set

Art. No.: 14013200

GTIN: 4026397391176



Description:

The IEM-500 is a wireless in-ear monitoring system with excellent sound and full user comfort. 16 frequencies in the low-interference UHF band can be adjusted. Due to a limiter in the transmitter input, the ear is completely protected even in case of extreme clipping. The system can be operated in mono and stereo mode and is thus qualified for many applications such as live music, theater use and voice transmission. The multifunctional LCD screen indicates all operation modes. The transmitter features a headphones output with adjustable output level in order to monitor the signal sent to the musician at the FOH. The set comes fully equipped with transmitter, receiver, headphones and 483 mm mounting kit (19").

Logistic

EAN / GTIN: 4026397391176

Weight: 2,65 kg

Length: 0.42 m

Width: 0.10 m

Height: 0.31 m

Features:

- Set includes a stationary stereo UHF transmitter, a stereo UHF pocket receiver and mini earphones in a practical transport case
- Operation in the low-interference UHF band (863-865 MHz) with 16 frequencies selectable
- Parallel operation of 3 systems is possible without any interference
- Multifrequency transmitter with UHF pilot tone technology (PLL)
- Transmits signals to any number of receivers with the same carrier frequency
- Parallel operation of 3 sets is possible without any interference
- Further pocket receivers STR-500 can be ordered separately
- Operation range with line of sight approx. 50 meters
- License-free and approved in the EU
- STT-500 stationary transmitter:
 - Rubber antenna with BNC connection
 - LCD for mono/stereo mode, stereo signal input and transmission frequency
 - 2 adjustable inputs via balanced combo mounting jacks XLR/6.3 mm
 - Adjustable headphones output

- Stereo or mono mode
- Rugged black metal housing with red aluminum front panel
- Operation via supplied power unit
- Rack installation (1 U) via mounting set
- Rack mounting set with antenna cable, BNC plug and BNC socket for one transmitter included in the delivery
- STR-500 pocket receiver:
- Adjustable earphones output
- Balance (left, right) adjustable
- LCD for battery capacity, receiving frequency, and RF signal
- High frequency boost selectable
- Lock function for prevents undesired changes to settings
- Belt clip
- Power supply via included 2 x 1.5 V mignon batteries (type AA)

Technical specifications:

Power consumption:	5.00 W
Battery:	2 x 1.5 V AA Mignon LR06 alkaline manganese included
Frequency band:	UHF
Dimensions:	Width: 21.2 cm Depth: 16 cm Height: 4.4 cm
Weight:	2.60 kg
General Data:	
Carrier frequency:	UHF 863.000-865.000 MHz (16 channels)
Modulation:	FM
Frequency range:	60-16000 Hz (± 3 dB)
Frequency stability:	± 0.005 %
Tone signal:	32,768 kHz
S/N ratio:	>90 dB at 48 kHz deviation
Dynamic range:	>96 dB
T.H.D.:	<1 % at 1 kHz
Coverage:	50 m (with line-of-sight)
	STT-500 Transmitter
Antenna:	BNC, detachable
RF power output:	10 mW max.
Maximum deviation:	± 48000 Hz
Signal inputs:	2 x balanced combo XLR/6.3 mm jack
Input impedance:	100 kohms
Input sensitivity:	+6 dBV
Gain adjustment range:	40 dB
Power supply:	230 V AC, 50 Hz via supplied power unit
Dimensions (W x D x H):	212 x 160 x 44 mm
STR-500	Pocket Receiver
Antenna:	Built-in
System:	Non-diversity, one channel
Selectivity:	>55 dB

Dynamic range:	>94 dB
Earphones output:	3.5 mm stereo jack
Audio output level:	100 mW
Current consumption:	Approx. 130 mA, ±5 mA
Dimensions (W x D x H):	98 x 23 x 64 mm
Earphones:	
Transducer type:	Dynamic
Frequency range:	20-20000 Hz
Impedance:	32 ohms, ±15 %
Sensitivity:	94 dB, ±3 dB
Cable length:	1.2 m
Connection:	3.5 mm stereo plug

Scope of delivery:
