

WIRELESS MICROPHONES

Wireless microphone system in UHF band, with diversity, selection of frequencies and remotely configurable from the receiver.



- Frequency band :823 ~ 832 MHz and 863 ~ 865 MHz.
- 8 groups of up to 15 channels.
- There are in total 80 channels to choose from.
- 2 MHz bandwidth.
- REMOSET U ultrasonic pairing for synchronized setting of all parameters.
- Channel scan.
- Adjustable receiving sensitivity.
- Digital volume control.
- Automatic microphone power off.
- Display on transmitters and receivers.
- No interference with mobile telephony.
- Up to 15 simultaneous microphones.
- Receptors of 1 and 2 channels with diversity.
- Hand-held, lavalier, stage, aerobic and desk microphones



The REMOSET ULTRASONIC function (REMOSET U) allows to synchronize the transmitter and the receiver unit in a most convenient manner. All setting are made on the receiver and then transferred to the transmitter (the wireless microphone) via an ultrasonic signal.

HANDHELD MICROPHONE

MI-MMU16

Wireless handheld microphone with cardioid polar diagram, with possibility of setting from the equipment itself: frequency, group, channel, sensitivity, transmission power and countdown for automatic shutdown



Frequency Oscillation Mode	Phase-locked loop (PLL)
Carrier Wave Frequency Range	823 ~ 832 MHz & 863 ~ 865 MHz
RF Power Output	10 mW / 50 mW
RF Stability	< ±10 kHz @ Fc
Modulation Frequency Shift	± 48 kHz
Harmonic Radiation	< -50 dB
Functions	Mute, auto off, sensitivity adjustment, low power indication
Display By	LCD + LED
Controls	Power, mute, group, channel, frequency, sensitivity adjustment, auto off, button lock
Battery	AA alkaline or rechargeable battery x 2
Charging	Yes
Dimensions (mm)	51 (W) x 269 (H) x 26 (L)

MICROPHONE DESK

MI-PMU16

Microphone desk with flexible gooseneck & transmitter in the base for cable-free use as a wireless microphone.



Frequency Oscillation Mode	Phase-locked loop (PLL)
Carrier Wave Frequency Range	823 ~ 832 MHz & 863 ~ 865 MHz
RF Power Output	10 mW / 50 mW
RF Stability	< ±10 kHz @ Fc
Modulation Frequency Shift	± 48 kHz
Harmonic Radiation	< -50 dB
Functions	sensitivity, RF power, Low Cut filter, auto OFF & battery level
Display By	with LCD + LED
Connector	mini XLR 4 pin
Controls	power switch, mute, group, channel, frequency, sensitivity, input attenuation & auto OFF.
Battery	2 AA alkaline or rechargeable batteries
Charging	yes
Dimensions (mm)	116 (width) x 450 (height) x 138 (depth)
Weight	725 g (without batteries)

ACCESSORIES

MI-CH2

Charger for 2 wireless microphone: two hand-held microphones, two bodypack microphones, or one of each.



UB-900

Wall antenna booster of 3 dB gain. Power 12 ~ 18 V DC. Angle 360°.



UA-900

Antenna signal distributor with two antenna inputs BNC 75 ohm with phantom power, each one with four amplified outputs (1.8 dB).



WIRELESS MICROPHONES

LAVALIER MICROPHONE

MI-MSU16

Lavalier microphone with cardioid polar diagram, lightweight and small size for minimum visibility. Includes a clip to hold the microphone in tie or lapel.



Connector	4-pin mini XLR
Frequency Response	30 Hz ~ 18 kHz
Polar Pattern	Cardioid
Sensitivity at 1 kHz	-68 ±3 dB
Impedance	680 Ω
MAX SPL for 1% THD	130 dB

HEADSET MICROPHONES

MI-MDU16

Unidirectional condenser stage headset wireless microphone, lightweight for freedom of movement and great comfort thanks to its ergonomic design.



Connector	4-pin mini XLR
Frequency Response	30 Hz ~ 18 kHz
Polar Pattern	Cardioid
Sensitivity at 1 kHz	-68 ±3 dB
Impedance	680 Ω
MAX SPL for 1% THD	130 dB

MI-MAU16

Double ear-hook wireless microphone designed especially for aerobics or similar activities.



Connector	4-pin mini XLR
Frequency Response	60 Hz ~ 15 kHz
Polar Pattern	Omnidirectional
Sensitivity at 1 kHz	-64 ±3 dB
Impedance	1.8 kΩ
MAX SPL for 1% THD	130 dB

Bodypack transmitter included with lavalier and headband microphones.



Frequency Oscillation Mode
Carrier Wave Frequency Range
RF Power Output
RF Stability
Modulation Frequency Shift
Harmonic Radiation
Functions

Phase-lock loop (PLL)
823 ~ 832 MHz & 863 ~ 865 MHz
10 mW / 50 mW
< ±10 kHz @ Fc
± 48 kHz
< -50 dB
Mute, auto off, input level
attenuation, sensitivity
adjustment, low power indication

Display By
Connector
Controls

LCD + LED
4 pin Mini XLR
Power, mute, group, channel,
frequency, sensitivity adjustment,
input level attenuation, auto off
AA alkaline or rechargeable
battery x 2
Yes
62 (W) x 97 (H) x 20 (L)

RECEIVERS

Frequency Oscillation	phase-lock loop (PLL)
Remote set	ultrasonic
Diversity	antenna diversity
Bandwidth	2 MHz
Signal / Noise Ratio	> 105 dB
THD	< 0.6 % @ 1 kHz
Receiving Sensitivity	-95 dBm, S/N > 80 dB
Frequency Response	50 Hz ~ 16 kHz ± 2 dB
Antenna	1/2" BNC detachable
Audio Frequency Output Level	DC 12 ~ 15 V / 100 mA 6.35 mm Jack: -10 dBV XLR: -4 dBV (Line) / -24 dBV (MIC)
Impedance	600 Ω
Output Port (per channel)	XLR balanced & 6.35 mm jack unbalanced
Power Supply	12 ~ 15 Vdc (power supply included)
Dimensions (mm)	212.3 x 38.3 x 144

MI-RD2CU16 - 2 channels

MI-RD1CU16 - 1 channel



MI-RD2CU16

MI-RD1CU16

WIRELESS MICROPHONES

EQUIPMENT SUMMARY

MICROPHONES

MI-MMU16	Hand held cardioid wireless microphone. UHF
MI-MSU16	Lavalier wireless microphone with transmitter. UHF
MI-MDU16	Condenser stage headset wireless microphone with transmitter. UHF
MI-MAU16	Double ear-hook wireless microphone with wireless transmitter, for aerobic. UHF
MI-PMU16	Wireless microphone desk. UHF

RECEIVERS

MI-RD2CU16	Diversity receiver, 2 channels, UHF
MI-RD1CU16	Diversity receiver, 2 channel, UHF

ACCESSORIES

MI-CH2	Charger of two wireless microphones of the MI series
UB-900	Wall antenna booster
UA-900	Antenna splitter



SECURITY

INFORMATION

MUSIC

COMMUNICATION

PAGING

 **OPTIMUS**
SOUND & COMMUNICATION

C/ Barcelona 101 | 17003 Girona (Spain) | (+34) 972 203 300

www.optimusaudio.com