

UM 30/31/40/41/50/51 Wireless Microphones

UM 30/40/50

For the Sound Ambassador Mobile Sound Systems

UM 31/41/51

For the RoadGear, Performer, and Powerpod 865 and 885 Plus Systems

UM 30 Wireless Handheld System

- 1 x HT-100 Handheld Transmitter
- 1 x UM-R10 Receiver Module

UM 31 Wireless Handheld System

- 1 x HT-100 Handheld Transmitter
- 1 x UM-R11 Receiver Module

UM 40 Wireless System with Lavalier Mic

- 1 x BT-200 Bodypack Transmitter
- 1 x ML-10 Lavalier Mic
- 1 x UM-R10 Wireless Receiver Module

UM 41 Wireless System with Lavalier Mic

- 1 x BT-200 Bodypack Transmitter
- 1 x ML-10 Lavalier Mic
- 1 x UM-R11 Wireless Receiver Module

UM 50 Wireless System with Headset Mic

- 1 x BT-200 Bodypack Transmitter
- 1 x MH-20 Headset Mic
- 1 x UM-R10 Wireless Receiver Module

UM 51 Wireless System with Headset Mic

- 1 x BT-200 Bodypack Transmitter
- 1 x MH-20 Headset Mic
- 1 x UM-R11 Wireless Receiver Module



FEATURES

- ▶ Space-saving integrated compact receiving module can be installed in Sound Ambassador mobile sound system, Performer speaker and Powerpod 865/885 plus powered mixers.
- ▶ Frequency Range: 600MHz ~ 870MHz
- ▶ 16 selectable UHF channels preset
- ▶ Oscillation mode: Microprocessor controlled PLL synthesized
- ▶ Receiving Mode: True Diversity
- ▶ Internal squelch and mute circuit mode that can resist unusual noise
- ▶ SAW filters for rejection of non-RF content

Now Phonic provides users with a complete wireless microphone range compatible with their most popular ranges of pro audio gear. The UM30, UM40 and UM50 Wireless Microphone sets are all compatible with the incredibly popular Sound Ambassador Mobile Sound Systems. The UM31, UM41 and UM51, on the other hand, are compatible with the popular RoadGear sets, Active Wireless Performer Speakers and Powerpod Plus 865 and 885 Molded Powered Mixers, making them incredible versatile as well as simple to use.

PHONIC

UM 30/31/40/41/50/51

Specifications

System:

RF Frequency	600~870 MHz
Oscillation Type	PLL Synthesized Control Oscillation
Channels	16 Channels
Audio Frequency Response	50 Hz~18 kHz +/-3dB
Bandwidth	24MHz
Operation Range	100 M

Receiver Module

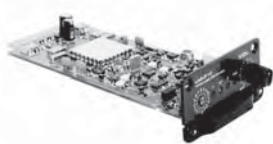
Model No.	UM-R10 & UM-R11
Type	True Diversity
Frequency Stability	±0.005%
S/N Ratio	>100 dB
RF Sensitivity	-100 dBm
Image Rejection	75dB
T.H.D.	<0.5% @ 1KHz
LED Indicators	UM-R10: red LEDs for antenna A & B, and power, green LED for AF; UM-R11: red LED for power
Control	UM-R10: Output Volume, Channel Selector UM-R11: Channel Selector
AF Output Impedance	600 Ω Unbalanced
Squelch	Pilot Tone & Noise Mute
Operation Voltage	12-16 VDC, 500 mA
Output connector	Integrated Socket
Dimensions (WxHxD)	61x25x123 mm

Transmitter

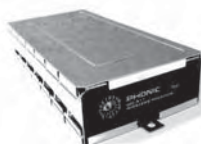
Model No.	HT-100	BT-200
Type	Handheld	Body-pack
Grille Shape	Round/Square	N/A
Spurious Rejection	< -60 dBc	< -60 dBc
Stability	+/- 0.005%	+/- 0.005%
Frequency Deviation	± 40KHz	± 40KHz
S/N Ratio	> 100 dB (1 kHz-A)	> 100 dB (1 kHz-A)
Frequency Response	50 – 18 kHz ±3dB (depend on mic cartridge)	50 – 18 kHz ±3dB (depend on mic cartridge)
Current Consumption	100mA	100mA
LED Indicators	Power On/Off, Low Battery	Power On/Off, Low Battery
Battery	2 x AA	2 x AA
Output power	<50mW	<50mW

Lavaliere/Headset Condenser Microphone

Model No.	ML-10	MH-20
Type	Lavaliere	Headset
Frequency Response	100 Hz~ 13kHz	50Hz ~ 18 kHz
Polar Pattern	Cardioid	Cardioid
Sensitivity (at 1 kHz)	-70 dB +/-3dB	-70 dB +/-3dB
Impedance	2.2k ohms +/-30%	680 ohms +/-30%
Max SPL for 1% THD	130dB	130dB
Connector Type	Mini XLR	Mini XLR
Standard Accessories	Windscreen	Windscreen



UM-R10



UM-R11



HT-100



BT-200



MH-20



ML-10