

# 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:

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

### Receiver Module

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

### Transmitter

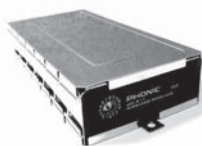
Model No.	HT-100	BT-200
<b>Type</b>	Handheld	Body-pack
<b>Grille Shape</b>	Round/Square	N/A
<b>Spurious Rejection</b>	< -60 dBc	< -60 dBc
<b>Stability</b>	+/- 0.005%	+/- 0.005%
<b>Frequency Deviation</b>	± 40KHz	± 40KHz
<b>S/N Ratio</b>	> 100 dB (1 kHz-A)	> 100 dB (1 kHz-A)
<b>Frequency Response</b>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

### Lavaliere/Headset Condenser Microphone

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



UM-R10



UM-R11



HT-100



BT-200



MH-20

ML-10