

UHF-16 SPECIFICATIONS

UHF 16 System

Operating Frequency Range:

16 channels switchable in pre-programmed bands up to 26 MHz wide in the 726-865 MHz range (country dependent)

Freq. Synthesized:

PLL system with frequency stability <0.005%

Frequency Response:

30 HZ-15 KHZ ± 3 dB

Dynamic Range:

120 dB

Harmonic Distortions:

<0.5%

Modulation:

FM ± 25 KHz nominal

Operating Range:

250 feet typical (depending on site conditions) up to 500+ feet optimum line-of-sight

UHF-16 Receiver

Receiving System:

Dual conversion superheterodyne with DigiTRU Diversity™

Sensitivity:

-107 dBm, nominal

Selectivity:

60 dB nominal ± 75 KHz offset

Image Rejection:

-70 dB, minimum

Spurious Rejection:

65 dB, nominal

Mute Threshold:

-90 dBm, adjustable

Audio Output Level:

Unbalanced output: 360 mV, adjustable

Mic Level Balanced Output:

24 mV

Audio Output Impedance:

Balanced and unbalanced: both 600 ohms

Controls:

Power On/Off switch, Level control, Up/Down Channel select buttons, Mute (RF squelch) adjust

LED Indicators:

Power on, Mute on

LCD Display:

Single backlit LCD panel indicating channel/frequency selected, received AF and RF level, A/B diversity status, and transmitter low battery alert

Power Requirements:

AC-DC adapter, 12 VDC @ 500 mA, 115/230 VAC

Antenna:

Right angle BNC or external remote (BNC)

Dimensions:

1.7" x 7.5 x 8.9" (43x190x226mm)

Weight:

1 lb, 14 oz (.9 kg)

UB-16 & UH-16 Transmitters

Models Available:

UH-16 handheld mic, UB-16 bodypack

RF Output Power:

1 mW-50 mW max (country and band dependent)

Harmonic and Spurious Emissions:

- 50 dB

Audio Input Level with ± 25 KHz nom. deviation:

UH-16: 24 mV RMS (nom.)

UB-16: 225 mV (Instr.), 150 mV (HM),

75 mV (Lav)

Input Impedance:

UH-16: 10K Ohms

UB-16: 200K Ohm (Instr.), 10K Ohms (Lav),

20K Ohms (HM)

Controls:

UH-16: Off/Standby/On switch, Channel Select Up/Down buttons

UB-16: Off/Standby/On switch, Channel Select Up/Down buttons, Input Level Control,

3-way input select switch for: lavalier, head mic, or music instrument

LED Indicator:

Unit "ON" (single flash), Low Battery Alert (steady), Selected Channel Display, and Transmitter Active.

Connectors:

UH-16: None

UB-16: Locking 3.5 mm mini jack

Antenna Type:

UH-16: Integral

UB-16: External permanent, 3 inch

Battery Type:

2 X AA alkaline

Battery Life:

8-12 hours nominal

Dimensions:

UH-16: 8.75" x 1.4" (222 x 36 mm)

UB-16: 4.0" x 2.39" x 0.9" (102 x 61 x 23 mm)

Weight:

UH-16: 6.9 oz (193g) (w/o batteries)

UB-16: 3.2 oz (89g)