

UHF Wireless Microphone Systems



UDMS16BP, UDMS16HH

These UHF Wireless Microphone Systems offer users the freedom to move around while speaking. System choices consist of a 16-channel PLL-synthesized UHF Receiver with either a handheld microphone or lavalier microphone and body-pack transmitter. Headset microphone also available.

UBP16 Body-Pack w/Lavaliere Microphone

- Audio mute switch allows convenient audio muting while leaving the transmitter "ON"
- LED indicator: Unit "ON", and "Low Battery Alert"
- Locking 3.5mm mini-jack provides secure connection for removable microphone
- Convenient, economical operation with AAA alkaline or NiMH batteries (2x)
- 2-1/4" W x 3-3/8" H x 1-1/8" D; 3 oz.

UHT16 Handheld Microphone

- Sleek metal housing with internal antenna for optimum aesthetics and durable long life
- Uni-directional neodymium dynamic cartridge for optimum sound, maximum feedback rejection, and minimal handling noise
- Audio mute switch allows convenient audio muting while leaving the transmitter "ON"
- LED indicator: Unit "ON", and "Low Battery Alert"
- Convenient, economical operation with AA alkaline or NiMH batteries (2x)
- 2" dia. x 9-1/8" long; 10 oz.

UDR16 16-Channel PLL-Synthesized UHF Receiver

- Offers 16 user-selectable frequencies in UHF 470-510 MHz band; 120 dB dynamic range; operation up to 500 feet line-of-sight
- DigiTRU Diversity™ for maximum range and dropout protection, full LED indicators, 1/4" unbalanced and XLR balanced outputs, Tone Squelch™ for locking out potential interference, noiseless transmitter ON/OFF switching, & level control for unbalanced output
- Half-rack receiver design with front panel dual antennas, powered by wall power adapter
- 8-1/8" W x 1-7/8" H x 5-1/2" D; 1 lb.



UDMS16BP
includes:

- UBP16 Body-Pack & Lavalier Mic
- UDR16 UHF Receiver



UDMS16HH
includes:

- UHT16 Handheld Mic
- UDR16 UHF Receiver

ACCESSORIES

BCHM Headset Microphone
(UBP16 Body-Pack required)

MC28 Microphone Clip
(for UHT16)

RPK89 Rack Mount
(Single Unit)

RPK90 Rack Mount
(Double Unit)

Technical Specifications:

System Performance

RF Carrier Frequency:	UHF, 16-frequency group in separate bands within 470-510 MHz
Frequency Stability:	± 0.005%, PLL Synthesized
Modulation:	FM (F3E), ± 50 kHz Normal
Frequency Response:	30 Hz – 21 kHz, -3dB
Dynamic Range:	120 dB
Total Harmonic Distortion:	< 0.5%
Operating Range:	Up to 250 ft. typical (dependent on site conditions); Up to 500 ft. optimum line-of-sight

UDR16 Receiver

Reception Mode:	DigiTRU Diversity™ (Dual Antenna)
Unwanted Signal Rejection:	> 90 dB Image and spurious
Squelch:	External control, tone key (45 kHz)
Controls:	Power ON/OFF, Volume Control, Squelch Adjust, 16-Channel select
Connectors:	DC In, 1/4" (6.3mm) unbalanced phone jack output (360mV/no load), XLR balanced output (24mV/600 Ohm)
LED Indicators:	Power ON, Diversity A/B, Audio Signal LED bars plus peak (5 segments)
Power Requirements:	20-22V DC @ 500mA, AC/DC adapter included
Dimensions:	8.1" W × 1.75" H × 5.5" D (20.7 × 4.4 × 14 cm)
Weight:	1.05 lb. (0.48 kg)
Antennas:	Dual-folding

Transmitters

RF Power Out:	+14 dBm (25mW) Nominal
Harmonic & Spurious Emissions:	< -45 dBc
Audio Inputs:	<i>UBP16:</i> 3.5mm Locking mini-jack input for Lavalier and Headset Mics <i>UHT16:</i> Integral neodymium dynamic cartridge
Controls:	<i>UBP16:</i> Power and Audio Mute ON/OFF, 16-Ch select, Input Level adjust <i>UHT16:</i> Power and Audio Mute ON/OFF, 16-Ch select, Level Adjust
Adjust LED Indicators:	<i>UBP16:</i> Bi-color, Unit ON (green) and Low Battery (red) <i>UHT16:</i> Two LEDs, Unit ON (green) and Low Battery (red)
Battery:	<i>UBP16:</i> Two AAA Alkaline/NiMH <i>UHT16:</i> Two AA Alkaline/NiMH
Battery Life:	<i>UBP16:</i> 5 Hours <i>UHT16:</i> 10 Hours
Dimensions:	<i>UBP16:</i> 3.62" × 2.44" × 1.22" (9.2 × 6.2 × 3.1 cm) <i>UHT16:</i> 2" × 9.5" (5.1 × 24 cm)
Weight:	<i>UBP16:</i> 3.1 oz. (88 g) <i>UHT16:</i> 10.2 oz. (290 g)

