

Audio2000'S AWM6032UL UHF Wireless Microphone System Handheld & Lapel -MR

Rental Fee - \$30



AWM6032U - UHF Dual-Channel Wireless Microphone Systems

The **Audio2000'S®** AWM6032U wireless system is a UHF dual-channel wireless microphone system. Similar to the other **Audio2000'S®** wireless systems, various transmitter options are provided to the AWM6032U system users as follows:

Handheld & Lavalier Wireless Microphone System - **AWM6032UL** (AWR6032U + AWX6030 + AWX6030M)

With the exceptional RF transmission and reception, the AWM6032U system, with a transmission range of more than 100 feet, fully delivers all the reception and audio quality features that allow you to really enjoy the freedom of wireless without any of the problems.

Engineered For Dependable UHF Systems

As all the other **Audio2000'S®** wireless products, the AWM6032U system has been engineered to be dependable UHF system with a wide audio frequency range, high S/N ratio, and outstanding performance equal to that of any professional wireless systems costing much more. This is achieved through strict component selection and high quality circuit design. A delicately designed silence circuit eliminates static noise when the transmitters are either turned off or out of transmission range. An auto mute circuit is incorporated in these systems to effectively eliminate the popping noise when the switch is turned on or off.

System Designed For Accessibility

The AWM6032U system has been designed and manufactured to be dependable, problem free, versatile and easy to use. The AWM6032U system is intended to be readily accessible to everyone with exceptional performance at a preferred and affordable price.

APPLICATIONS

Musician; disc jockey (DJ); karaoke jockey (KJ); church; school; conference room; karaoke; home entertainment

AWR6032U RECEIVER

FEATURES

- * UHF Band Frequency
- * Two Independent XLR Balanced Outputs
- * One 1/4" Unbalanced Audio Output
- * RF Input with Built-in RF Preamplifier to Improve S/N Ratio, Sensitivity and Dynamic Range
- * Low Noise Mixer Circuitry for Reducing interference
- * Two Squelch Control Knobs (One for Each Channel) at the Rear Panel
- * 12V-18V DC Power Supply

SPECIFICATIONS

Carrier Frequency Range	UHF Band
Frequency Stability	± 0.005%
Receiving Sensitivity	-105 dBm
S/N Ratio	80dB
T.H.D.	< 1%
Audio Output	¼" and XLR (0 – 300mV @ 600 Ohms)
Dimensions (W X H X D)	8.5" X 1.6" X 5.4" (215 X 40 X 138 mm)

AWX6030, AWX6030M, AWX6030H & AWX6030G TRANSMITTERS

FEATURES

- * UHF Band Frequency
- * High Sensitivity Cardioid Microphone Capsule
- * Audio Level Adjustment Knob for the AWX6030M, AWX6030H, and AWX6030G
- * Noise Reduction Mechanism for Eliminating Handling Noise and Switch Shock Noise
- * Low Battery LED Indicator

SPECIFICATIONS

TRANSMITTER

Carrier Frequency Range	UHF Band
Frequency Stability	± 0.005%
Modulation	Frequency Modulation (FM)
Modulation Depth	40KHz
Output Power	30mW, Max
Spurious Emission	> 55 dB
Battery	9V Battery
Current Consumption	< 40 mA
Dimensions (W X H X D)	Handheld: 9.3" X 2.0" X 2.0" (235 X 50 X 50 mm) Belt-Pack: 2.6" X 4.1" X 1.0" (65 X 105 X 25 mm)

SYSTEM

Carrier Frequency Range	UHF Band
Frequency Stability	± 0.005%
Audio Frequency Response	80 – 15,000 Hz
Image and Spurious Rejection	50 dB Minimum
S/N Ratio	> 80 dB
Max. SPL	110 dB
T.H.D.	< 1%
Service Area	100 ft (30 M)
Operation Temperature	14 °F – 122 °F (-10 °C – +50 °C)

SYSTEM OPERATION

(I) HANDHELD MICROPHONE SYSTEM

1. Set the antennas at an angle 45° from the floor and 90° away from each other to achieve the best RF reception.
2. Connect the AWR6032U receiver DC input to an AC power source via the supplied AC/DC adapter.
3. Connect the AWR6032U receiver audio output to the microphone input of a mixer via the supplied audio cable or any other appropriate cable. (Note: There are two outputs: one unbalanced output and one balanced output.)
4. Place one 9V battery into the battery housing of the AWX6030 microphone with the battery polarity oriented as indicated.
5. Turn on the power of the AWR6032U receiver. The Power On LED light will be turned on.
6. On the AWX6030, the On/Off switch has three positions: "ON", "MUTE" and "OFF". When the On/Off switch is turned to the "MUTE" or directly to the "ON" position, the low battery LED indicator will blink once and then stay off. If the low battery LED indicator stays on, the 9V battery needs to be replaced. When the On/Off switch is set to the "MUTE" or "ON" position, the corresponding channel 1 RF LED light or channel 2 RF LED light on the AWR6032U receiver will be turned on. The corresponding channel 1 AF LED light or channel 2 AF LED light will be on whenever the AWX6030 receives any sound while the On/Off switch is set at the "ON" position.
7. Adjust the volume control knob on the AWR6032U receiver to have an optimal sound quality.

(II) LAPEL (LAVALIERE) MICROPHONE SYSTEM

1. Set the antennas at an angle 45° from the floor and 90° away from each other to achieve the best RF reception.
2. Connect the AWR6032U receiver DC input to an AC power source via the supplied AC/DC adaptor.
3. Connect the AWR6032U receiver audio output to the microphone input of a mixer via the supplied audio cable or any other appropriate cable. (Note: There are two outputs: one unbalanced output and one balanced output.)
4. Place one 9V battery into the battery housing of the AWX6030M transmitter with the battery polarity oriented as indicated. Connect the supplied lapel (lavalier) microphone to the AWX6030M transmitter.
5. Turn on the power of the AWR6032U receiver. The Power On LED light will be turned on.
6. On the AWX6030M, the On/Off switch has three positions: "ON", "STDBY" and "OFF". When the On/Off switch is turned to the "STDBY" or directly to the "ON" position, the low battery LED indicator will blink once and then stay off. If the low battery LED indicator stays on, the 9V battery needs to be replaced. When the On/Off switch is set to the "STDBY" or "ON" position, the corresponding channel 1 RF LED light or channel 2 RF LED light on the AWR6032U receiver will be turned on. The corresponding channel 1 AF LED light or channel 2 AF LED light will be on whenever the AWX6030M transmitter receives any sound while the On/Off switch is set at the "ON" position. The audio level adjustment knob is preset at midpoint. If you need to increase the audio level, use a screwdriver to turn the audio level adjustment knob clockwise. Turn the audio level adjustment knob counter-clockwise to reduce the audio level.
7. Adjust the volume control knob on the AWR6032U receiver to have an optimal sound quality.

(III) HEADSET MICROPHONE SYSTEM

1. Set the antennas at an angle 45° from the floor and 90° away from each other to achieve the best RF reception.
2. Connect the AWR6032U receiver DC input to an AC power source via the supplied AC/DC adapter.
3. Connect the AWR6032U receiver audio output to the microphone input of a mixer via the supplied audio cable or any other appropriate cable. (Note: There are two outputs: one unbalanced output and one balanced output.)
4. Place one 9V battery into the battery housing of the AWX6030H transmitter with the battery polarity oriented as indicated. Connect the supplied headset microphone to the AWX6030H transmitter.
5. Turn on the power of the AWR6032U receiver. The Power On LED light will be turned on.
6. On the AWX6030H, the On/Off switch has three positions: "ON", "STDBY" and "OFF". When the On/Off switch is turned to the "STDBY" or directly to the "ON" position, the low battery LED indicator will blink once and then stay off. If the low battery LED indicator stays on, the 9V battery needs to be replaced. When the On/Off switch is set to the "STDBY" or "ON" position, the corresponding channel 1 RF LED light or channel 2 RF LED light on the AWR6032U receiver will be turned on. The corresponding channel 1 AF LED light or channel 2 AF LED light will be on whenever the AWX6030H transmitter receives any sound while the On/Off switch is set at the "ON" position. The audio level adjustment knob is preset at midpoint. If you need to

increase the audio level, use a screwdriver to turn the audio level adjustment knob clockwise. Turn the audio level adjustment knob counter-clockwise to reduce the audio level.

7. Adjust the volume control knob on the AWR6032U receiver to have an optimal sound quality.

(IV) GUITAR OR INSTRUMENT SYSTEM

1. Set the antennas at an angle 45° from the floor and 90° away from each other to achieve the best RF reception.
2. Connect the AWR6032U receiver DC input to an AC power source via the supplied AC/DC adaptor.
3. Connect the AWR6032U receiver audio output to the guitar amplifier input via the supplied audio cable or any other appropriate cable. (Note: There are two outputs: one unbalanced output and one balanced output.)
4. Place one 9V battery into the battery housing of the AWX6030G transmitter with the battery polarity oriented as indicated. Connect the supplied guitar to the AWX6030G transmitter.
5. Turn on the power of the AWR6032U receiver. The Power On LED light will be turned on.
6. On the AWX6030G, the On/Off switch has three positions: “ON”, “STDBY” and “OFF”. When the On/Off switch is turned to the “STDBY” or directly to the “ON” position, the low battery LED indicator will blink once and then stay off. If the low battery LED indicator stays on, the 9V battery needs to be replaced. When the On/Off switch is set to the “STDBY” or “ON” position, the corresponding channel 1 RF LED light or channel 2 RF LED light on the AWR6032U receiver will be turned on. The corresponding channel 1 AF LED light or channel 2 AF LED light will be on whenever the AWX6030G transmitter receives any audio signal while the On/Off switch is set at the “ON” position. The audio level adjustment knob is preset at midpoint. If you need to increase the sound level, use a screwdriver to turn the audio level adjustment knob clockwise. Turn the audio level adjustment knob counter-clockwise to reduce the sound level.
7. Adjust the volume control knob on the AWR6032U receiver to have an optimal sound quality.

OPERATION NOTES

1. The AWX6030, AWX6030M, AWX6030H, or AWX6030G needs to be turned off before changing the 9V battery.
2. Signal dropout or unexpected noise may be caused by a low battery or by an excessive distance between the transmitter and the receiver. If you encounter signal dropout or unexpected noise, please check the battery first. If battery is still fresh, try to readjust the antennas on the AWR6032U receiver.
3. Avoid placing the receiver in a corner to prevent any RF reception deterioration.
4. Avoid placing the receiver antennas close to an obstruction or close to any metal surface.
5. Try to place the receiver as far away from any digital equipment, including computers and some CD players, as possible.
6. If more than one AWM6032U wireless microphone systems are stacked together or placed in a rack, do not let the antennas touch each other or cross each other.
7. Before the AWM6032U is to be used in a new location, place the AWR6032U receiver at the intended location and walk-through the area with the transmitter to locate any radio frequency blind spot, where a momentary loss of sound or short period of noise may occur whenever the transmitter is moved to this spot.
8. Do not drop the transmitter on the floor or strike the transmitter with any object.
9. Always turn off the transmitter and remove the battery if the transmitter is not to be used for a period of time to prevent the transmitter from being damaged by a leaking battery.