



PROFESSIONAL UHF DUAL-CHANNEL WIRELESS MICROPHONE SYSTEM

SWM10-U2 SERIES

- SWM10-U2HH
- SWM10-U2HB
- SWM10-U2BB



PRODUCT MANUAL

FEATURES

- Ultra-High Frequency (UHF) minimizes radio frequency interference and noises generated by other electronic equipment and digital devices, compared with a Very High Frequency (VHF) system.
- Easy to set up and operate with preset dual-channel UHF frequencies and independent volume controls.
- High Signal/Noise Ratio: broad frequency response range and low distortion.
- Two XLR outputs for more professional use and one 1/4" mixed output.
- Up to 200 feet line of sight operation range.
- Cardioid pick up pattern emphasizes main sound source and minimizes background noise.
- Built in windscreen and pop filter minimize environmental noise and sibilant sounds in speech.
- Quartz crystal oscillation stabilizes frequency transmitting and receiving with two detachable Antennas, making sure the sound quality is reliable and consistent. Audio compressing-expanding technology can minimize noise and boost dynamic range.
- Receiver can work with multiple microphone types to allow for choosing the best equipment for the situation.

RECEIVER

Front Panel

- ① Power switch
- ② Power indicator
- ③ Volume control A
- ④ Volume control B
- ⑤ Display
- ⑥ RF signal indicator A
- ⑦ RF signal indicator B



Rear Panel

- ① Antenna A
- ② Balanced B
- ③ mix out
- ④ Balanced A
- ⑤ Power Input
- ⑥ Antenna B



TRANSMITTER

Transmitter



- ① Windscreen
- ② Operating indicator
- ③ Power switch
- ④ Battery cover
- ⑤ Transmission antenna
- ⑥ Headset

Note:

If the operation indicator lights red, it indicates the battery is low and should be changed; if it comes on green, it indicates battery life is good; if it doesn't come on at all, it indicates the battery is dead, so please change it.

Operation:

- 1) Connect the SWM10 receiver to a power outlet through the power adapter provided.
- 2) Connect the receiver to a powered (active) speaker with the 1/4" audio cable provided. Please make sure your speaker or amplifier comes with 1/4" Mic or XLR input connectors (XLR cables are not included in the package, one 1/4" audio cable is included. To connect the receiver to a mixer, amplifier or speaker, please refer to the connection diagram).
- 3) Put two alkaline AA batteries into the battery compartment of the microphone. Make sure the positive and negative ends are facing the correct direction.

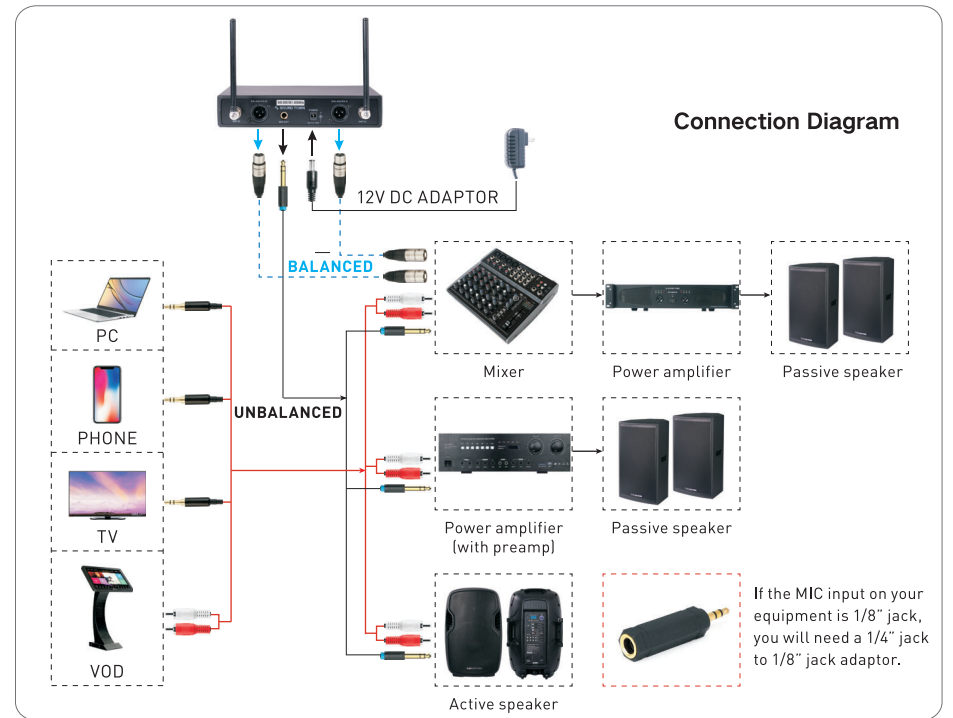
4) Power on the hand held microphone, and use the volume knob on the receiver to adjust the volume.

For headset microphone, please connect the headset to the bodypack transmitter through the XLR cable first.

Note:

It is advised to check the input connectors of your device before connecting the wireless microphone to it. Most PA speakers come with 1/4" Mic input connectors and amplifiers come with XLR input connectors, they are capable of directly connecting to microphones.

For devices such as certain home receivers that do not come with 1/4" Mic or XLR input connectors, a preamp or mixer is recommended to optimize sound performance when connecting the microphone to a home receiver. Preamps and mixers act as an intermediary between the receiver and the microphone. They can increase the volume level on the microphone and mitigate the volume loss that occurs by connecting your microphone to your home receiver.



PARAMETER

Specifications

Frequency Range	UHF 540-587 MHz, Fixed Frequency
Oscillation Mode	Quartz Controlled
Carrier Wave Stability	10PPM
Sensitivity	-95dB @ sinad=12 dB
S/N Ratio	>95dB
T.H.D.	<0.5% @ 1KHz
Image Rejection	85 dB typical
Spurious Rejection	75 dB typical
Frequency Responses	50Hz-15KHz
Working Distance	200 Feet
Squelch Control	Dual-Squelch Circuit
AF Output Impedance	2.2KΩ
Max. Output Level	Balanced : 0-400mv, Unbalanced : 0-200mv
Display	LED
Power Supply	12-18V DC / 0.35A
Output Connector	Balanced XLR Outputs, 1/4" mix out
Dimensions (inch)	15.38 X 11.5 X 2.8
Weights (lbs)	2.78

Transmitter

Transmitter Power	15mW
Spurious Emission	<40dB(with carrier)
Display	LED
Battery Voltage	1.5V X 2 (2 X AA)
Battery Life	10 hours

TROUBLESHOOTING

Troubleshooting

Faint Sound or No Sound

- Verify connections to PA system
- Adjust channel volume
- Turn on handheld microphone or bodypack
- Check that batteries are installed correctly.
- Change or charge batteries
- Verify power adapter is plugged securely into the outlet
- Check that receiver unit is powered on
- Verify that antennas are connected securely

Audio Interference, Artifacts, or Dropouts

- Identify and remove sources of interference: mobile phones, Wi-Fi access points, signal processors, electronics, etc.
- Charge or change batteries
- Move system away from metallic surfaces
- Provide line-of-sight from handheld microphone or bodypack to receiver unit antennas

Distortion

- Lower channel volume
- Change or charge batteries
- Verify fidelity of signal cable to PA

If you are still experiencing issues after following this troubleshooting guide, please call us directly at (323) 618-0688 or email to support@soundtown.com for expert assistance.

In the Package

SWM10-U2HH

- 1 SWM10-U2 receiver
- 2 handheld wireless microphones

SWM10-U2BB

- 1 SWM10-U2 receiver
- 2 headset microphones
- 2 bodypack transmitters

SWM10-U2HB

- 1 SWM10-U2 receiver
- 1 handheld wireless microphone
- 1 headset microphone
- 1 bodypack transmitter