

 **SOUND TOWN**

SWM22-U2 SERIES

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PROFESSIONAL UHF DUAL-CHANNEL
WIRELESS MICROPHONE SYSTEM

SWM22-U2 SERIES

- SWM22-U2HH
- SWM22-U2HL
- SWM22-U2LL



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.
- Up to 20 selectable frequencies per channel for interference free performance.
- Easy to operate with independent volume controls.
- Cardioid pick up pattern emphasizes main sound source and minimizes background noises.
- Two XLR outputs and one 1/4" mixed output for easy integration.
- Rugged metal handheld microphones for heavy use and optimal performance.
- Up to 250 feet line of sight operation range.

RECEIVER

Front Panel

- ① Power ON/OFF
- ② Channel A AF indicator
- ③ Channel A RF indicator
- ④ Volume control A
- ⑤ Volume control B
- ⑥ Channel B AF indicator
- ⑦ Channel B RF indicator



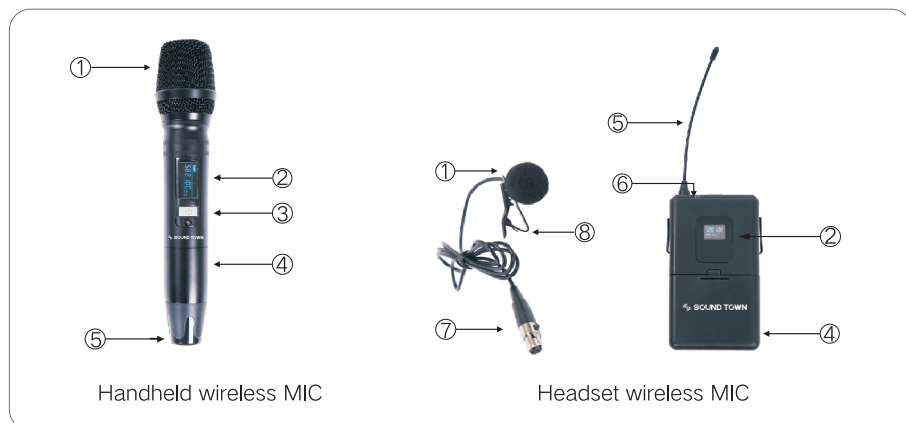
Rear Panel

- ① Antenna B
- ② Power input
- ③ Balanced B
- ④ 1/4" mixed output
- ⑤ Balanced A
- ⑥ Antenna A



TRANSMITTER

Transmitter



- ① Windscreen ② Display ③ Power indicator / Auto sync indicator*
- ④ Battery cover ⑤ Transmission antenna ⑥ Power indicator
- ⑦ Mini XLR input ⑧ Clip

Note:

*Power indicator/Auto Sync indicator: when the receiver is powered on, the LED light will be shining for a few seconds; when the receiver is automatically paired with the microphone, the light will turn solid green.

**Power switch/Frequency adjustment: long press the switch to power on or off the system; push the button to adjust frequency in case of interference. The microphone has been paired with the receiver by default, when both the receiver and microphone are powered on, they can be used without additional setting.

Please be noted the handheld microphone comes with charging ports located at the bottom of the battery compartment. If you would like to use RECHARGEABLE batteries, please open the battery cover before charging. Please DO NOT use this to charge regular alkaline batteries in case of fire hazard.

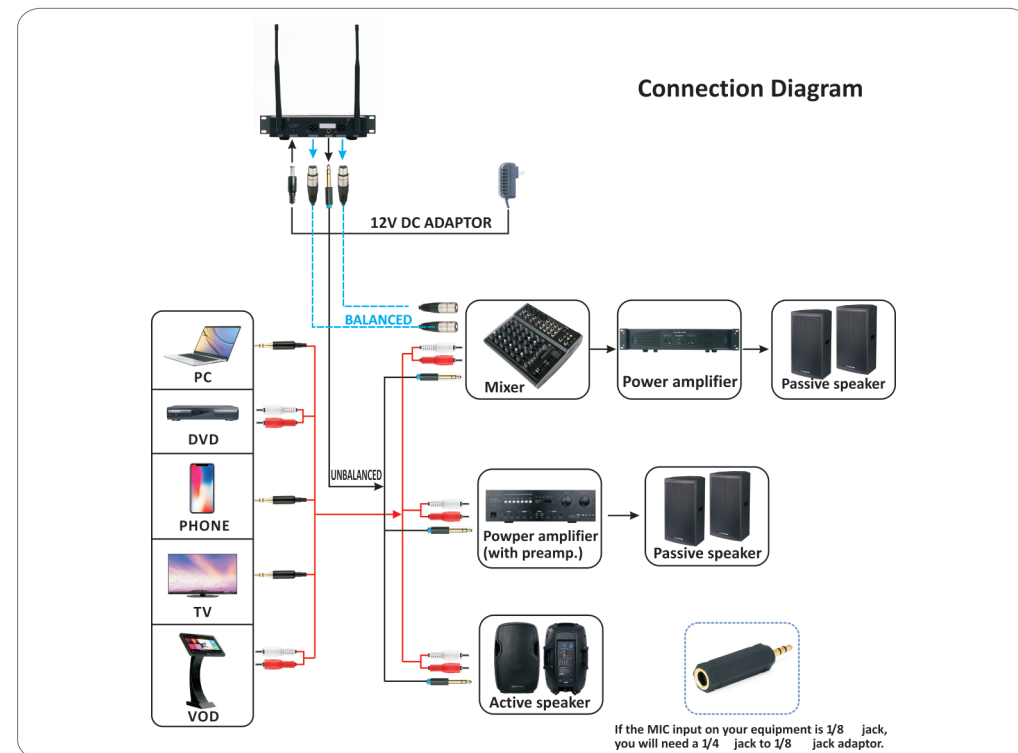
OPERATION

Operation

- 1) Connect the SWM22-U2 receiver to an AC outlet through the power adapter provided.
- 2) Connect the SWM22-U2 receiver to a powered speaker or an amplifier with the 1/4" audio cable provided. Turn on the SWM22-U2 receiver (if you are connecting the receiver to a passive speaker, mixer, home receiver, television, please refer to the connection diagram section).
- 3) Put two alkaline AA batteries into the battery compartment of the handheld microphone. Please make sure the positive and negative ends are facing the correct direction. For lavalier microphone system, please put the batteries into the battery compartment of the bodypack transmitter and connect the lavalier microphone to the bodypack through mini XLR input connector.
- 4) Long press the power switch on the microphone to power it on, the microphone will be automatically paired with the receiver and ready to use. Frequency and battery life will also show up on the display of the microphone once it is turned on. In case of interference, push the power switch (frequency auto sync switch) to change to a different frequency. There are 20 frequencies to choose per microphone.

Note:

Please remove your alkaline batteries from the battery compartment if it won't be used for a long period of time, in case of any damage to the microphone.



PARAMETER

Receiver

Carrier wave frequency range	UHF 550.00-599.99 MHz, 40 selectable frequencies
Carrier wave stability	+/-10ppm
Sensitivity	<-105dBm @12dB SINAD
S/n ratio	>85dB
T.h.d	<0.3%
Frequency responses	30Hz-18KHz
Working distance	250 feet
Af output impedance	2.2K ohm
Max output level	600mV
Display	LED
Power supply	12V DC
Output connector	Balanced XLR outputs, 1/4" mix out
Dimensions (inch)	10.6" X 6.6" X 1.8"
Weight (lbs)	1.925 lbs

Transmitter

Transmitter power	<10mW
Spurious Emission	>60dB
Display	LCD
Battery voltage	1.5V X 2 (2 X AA)
Battery life	10 hours

TROUBLESHOOTING

Troubleshooting

Faint Sound or No Sound

- Verify connection to PA speaker system
- Turn on handheld microphone
- Check if the batteries of the microphone are installed correctly
- Change or charge batteries
- Charge the receiver
- Check if the receiver is powered on

Audio Interference, Artifacts, or Dropouts

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

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

In the Package

SWM22-U2HH

- 1 SWM22-U2 receiver
- 2 handheld wireless microphones

SWM22-U2LL

- 1 SWM22-U2 receiver
- 2 lavalier microphones
- 2 bodypack transmitters

SWM22-U2HL

- 1 SWM22-U2 receiver
- 1 handheld wireless microphone
- 1 lavalier microphone
- 1 bodypack transmitter