

 **SOUND TOWN**

PROFESSIONAL VHF DUAL-CHANNEL  
WIRELESS MICROPHONE SYSTEM

SWM10-V2HH



**SWM10-V2HH**  
**PRODUCT MANUAL**

# FEATURES

- The professional dual-channel very high frequency (VHF) wireless microphone system adopts 220-260 MHz to minimize frequency interferences.
- Easy to set up with preset dual-channel frequencies and independent volume controls.
- 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. The cardioid microphone pickup pattern emphasizes main sound source and minimizes background noises.
- One 1/4" output for easy set-up with speakers, mixers, and amplifiers that come with 1/4" input connectors.
- Up to 120 feet line-of-sight operation range. Ideal for conferences, broadcasting, weddings, karaoke, social events and venues such as schools, churches and stages.

## RECEIVER

### Front Panel

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



### Rear Panel

- ① Antenna B
- ② Mix out
- ③ Power input
- ④ Antenna A



# TRANSMITTER

## Transmitter



Handheld Wireless MIC

- ① Windscreen and pop filter
- ② Display
- ③ Power switch
- ④ Battery cover
- ⑤ Transmission antenna

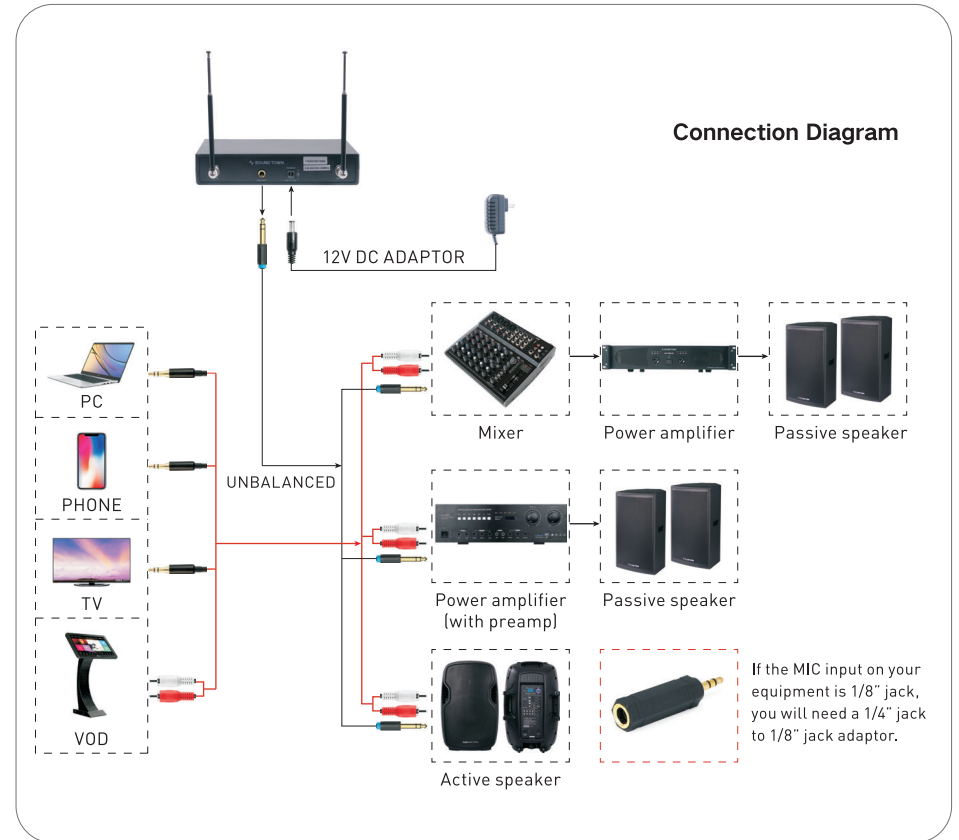
### Operation:

- 1) Connect the 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 ensure your speaker comes with 1/4" input connectors (To connect the receiver to a passive speaker, amplifier or mixer, 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.

### 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 they are capable of directly connecting to microphones.

For devices such as certain home receivers that do not come with 1/4" Mic input connectors, a preamp or mixer is recommended to optimize sound performance when connecting the microphone to a home receiver. Preamps and mixers usually come with 1/4" input connectors and 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	VHF 220-260 MHz, Fixed Frequency
Oscillation Mode	Quartz Controlled
Carrier Wave Stability	10PPM
Sensitivity	-85dB @ sinad=12 dB
S/N Ratio	>90dB
T.H.D.	<0.5% @ 1KHz
Image Rejection	85 dB typical
Spurious Rejection	75 dB typical
Frequency Responses	80Hz~10KHz
Working Distance	120 Feet
Squelch Control	Dual-Squelch Circuit
AF Output Impedance	2.2K $\Omega$
Max. Output Level	Balanced: 0-400mv, Unbalanced: 0-200mv
Display	LED
Power Supply	12~18V DC / 0.35A
Output Connector	1/4" mix out
Dimensions (inch)	5.8 X 8 X 1.8
Weights (lbs)	2.85

## 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-V2HH

- 1 SWM10-V2 receiver
- 2 Detachable antennas
- 1 1/4" audio cable
- 2 Handheld wireless microphones
- 1 Power adapter
- 1 User manual