

## A20S1 A20S3 True Diversity UHF Wireless Microphone System



A20S1

True Diversity UHF Wireless Microphone System  
(2 hand-held mic)



A20S3

True Diversity UHF Wireless Microphone System  
(2 head-set mic)

### Description

- It adopts a pure automatic signal selection (true diversity) receiving mode, with four independent antennas for reception, and can receive microphones from a long distance.
- It adopts high-end imported microphone cores, providing a wide and beautiful sound quality.
- The handheld microphone is of classic style and comes with a built-in adjustable receiving distance switch and a mute function switch.
- The receiver is equipped with an automatic search for clean frequencies and a self-set panel function lock for safe use.
- The receiver features an LCD liquid crystal display, which can show multiple functions such as automatic signal selection, channels, frequencies, battery power of the transmitter, and receiving sensitivity. The standby status is shown in orange and the usage status is shown in white.
- It adopts a unique CPU control for power on and off. No matter what state the transmission or reception is in, there will be no impact sound during power on and off.
- It adopts professional secondary frequency conversion and multi-level RF filtering technology. Multiple sets can be used without interfering with each other. The triple noise reduction of sound code, RF intensity and noise detection eliminates interference.
- It has power regulation for both long and short distances.

### Features

#### Receiver parameters

- Receiver mode: Automatic signal selection and reception;
- Oscillation mode: Frequency synthesis of Phase-locked loop (PLL)
- Antenna input: BNC socket /(50 volt-ampere);
- Working Range/Effective Range: 100m
- Sensitivity:  $\leq -95\text{dBm}$
- Spurious suppression:  $> 75\text{dB}$ ;
- Maximum output level:  $+10\text{dBV}$ ;

- Power supply: 14.5 AC
- Working current: < 500mA Frequency modulation mode: Broadband Frequency modulation (FM)
- Frequency range: 748MHz-758MHz
- Channel interval: 250KHz;
- Frequency stability:  $\pm 0.005\%$
- Dynamic range: 100dB
- Maximum deviation:  $\pm 48\text{KHz}$
- Audio frequency response: 20Hz- 20KHz( $\pm 3\text{dB}$ )
- Audio Output: XLR (Balanced)
- Comprehensive signal-to-noise ratio: 105dB;
- Comprehensive distortion: < 0.3%;

## **Handheld Wireless Microphone**

### **Microphone parameters:**

- Cardioid Dynamic Vocal Microphone
- Extended 20 Hz to 20KHz frequency range (microphone dependent)
- True Diversity Reception: Ensures stable signal transmission and minimizes frequency loss.
- UHF Ultra-High Frequency: Provides extended reception distance.
- Display Screen: Shows frequency, channel, and audio levels.
- Balanced & Unbalanced Outputs: Supports various connection needs with XLR sockets.
- Network Audio Module: Enables wireless audio signal transmission.
- Effective Range: 100-300 meters in open environments.

### **Transmitter parameters:**

- Antenna: The handheld microphone is equipped with a built-in spiral antenna, while the waist-mounted transmitter uses a 1/4 wave long whip antenna.
- Rf output power: High power 30 MW, low power 3mW;
- Pickup head: Dynamic coil type;
- Spurious suppression: -60dB
- Power supply: Two AA alkaline batteries No. 5;
- Power for 10 hours;
- Operating environment temperature: -10°C to 40°C