

# UR-222S

## UR SINGLE-CHANNEL ANTENNA DIVERSITY WIRELESS MICROPHONE SYSTEM



UR-222S Series of condensed the technology essence that Relacart accumulated over a long period. With advanced technology, sophisticated design, stable performance, with beautiful appearance, convenient operation and attractive price, with superior professional quality to win the market competition. This series is suitable for the nightclub of high requirements, multi-functional hall, hotel, conference room and small to medium performance.

### Key Features

#### AFS(Automatic Frequency Selection)

• Press the "AFS"(Auto Frequency Selection) button 3 sec and the receiver will auto-scan and lock on to an open, interference-free frequency.

#### IR Infrared

• Press [IR] button to upload automatically the receiver frequency to the transmitter.

#### Flexibility

• The handheld microphone: novel design, OLED display screen, showing battery level, working channel and frequency. The tube is made by durable alloy, effectively protecting the circuit element and battery rack, and with ergonomic grip.  
• The new optimized circuit design, good sound quality, transmission distance is longer and more stable  
• The capsule of handheld microphone can be removed and replaced, and the condenser or dynamic capsule can be used. It's compatible with SHURE SM-58 capsule. Using 6.3 mm unbalanced output and XLR balanced output synchronization output design, convenient to connect all kinds of audio processing equipment

#### Super Wide Frequency Range

• UHF 521.25-936.85MHz operating frequency range, with AFS (Auto Frequency selection) function, single-channel diversity reception, frequency-selective greater.

#### Univesal Property

• 134MHz transmitter, specially designed for capable of full frequency range transmission.

#### Energy Conservation

• Accurate low consumption circuit design, battery life is twice as common one.

#### Anti-Interference

• PLL(Phase Lock Loop frequency control) design ensures transmission reliability, "NoiseLock" squelch effectively blocks stray RF.

### Product Specification



#### UR-222S

Single Channel Wireless Receiver

- 1U Half-Rack metal rack receiver chassis, offering new style and simple LCD display;
- Bright LCD display can simultaneously display the working channel or frequency, RF & AF signal status, transmitter battery consumption as well as mute level.
- Antenna output with 8V DC

Main Frame Size:	1U Half-Rack
Channels:	Single Channel
Frequency Stability:	±0.005%(-10~50°C)
Carrier Frequency Range:	521.25MHz~936.85MHz
Modulation Mode:	FM
Oscillation:	PLL synthesized
Sensitivity:	6dBμV, S/N>60dB at 25 deviation
Bandwidth:	32MHz
Max Deviation Range:	±45KHz
S/N:D:	>105dB
T.H.D:	<0.7%@1KHz
Frequency Response:	80Hz-18KHz ±3dB
Operating Range:	80M typical(in open space)
Power Supply:	DC 12V/12W
Dimension(mm)	410(W)×206(D)×43(H)
Weight:	Approximately 1.0kg
Output Connector:	XLR balanced & 6.3φ phone jack unbalanced



#### UH-222

Wireless Handheld Microphone

- Handheld wireless microphone, simple design style, durable metal material, high contrast OLED display, built-in gain adjustment function, mute switch (optional mechanical switch). Microphone modular design, and various features of the capsule module optional, suitable for various occasions such as speech, singing, etc.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Microphone Element:	Dynamic/Condenser(removable)
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Microphone Lengths(mm):	52(Φ)×255(L)
Weight:	Approximately 235g (w/o battery)



#### UT-222

Wireless Bodypack Transmitter

- bodypack-style wireless microphone, simple design, lightweight and practical engineering materials, durable, multi-function OLED display, built-in input selector switch, can be used to facilitate the instrument. The standard mini XLR microphone interface is suitable for a variety of well-known headset and clip microphones on the market. It is suitable for applications such as speech and singing.

Carrier Frequency Range:	521.25MHz~936.85MHz
Oscillation:	PLL Synthesized
Harmonic Radiation:	<45dBm
Bandwidth:	134MHz(It depends on the region)
Max. Deviation Range:	±45KHz
Input Connector:	4-pin mini-XLR connector
RF Output Power:	10MW/40MW
Battery:	AAx2
Current Consumption:	110mA(Typical)
Battery Current/ Life:	Approximately 11 hours
Dimension(mm):	84(H)×66(W)×23(D)
Weight:	155g (w/o battery)