

UHF Dual-Channel, Long Range  
True Diversity Professional Wireless Microphone System

**DWS-612**

# DWS-612

## Dual-Channel, True Diversity Professional Wireless Microphone System



DWS-612 is a UHF Professional wireless microphone system with sophisticated and most advanced functions. The built-in channel-scanning works with the industry-leading channel synchronizing technology to rapidly complete setting of non-interference channels. High contrast LCD display on the front panel, with optional detachable UHF coaxial antenna make this system flexible in the most challenging spaces to improve signal performance, ensures stable and reliable signal reception and can be paired with passive splitters and powered distribution system, including battery status, RF signal status, and input volume of the connected transmitter to ensure the best sound quality. Easily complies various audio applications.

## FEATURES

- ❑ Adjustable SQ Increases receiver range with higher sensitivity and reduces interference with lower sensitivity.
- ❑ Pilotone, noise-detector and squelch circuits prevent noise, interference and improve operation distance.
- ❑ Auto Scanning feature rapidly discover for an interference-free working frequency and channel.
- ❑ Suitable volume gain control(s) and switch selection in-between MIC-LINE output level.
- ❑ Mixed audio output jack: balanced XLR or unbalanced 6.3mm
- ❑ RF Level, Channel, frequency, AF level antenna selection.
- ❑ Audio output jacks: balanced XLR or unbalanced 6.3mm.
- ❑ Connected transmitter battery status.





## True diversity reception

With the most advanced true diversity reception, it provides quality performance with high-stability reception and no dropouts even over long distances. with lower sensitivity.

## No more noise

Industry standard pilotone, noise-detector and squelch circuits prevent noise interference. Adjustable SQ to increase receiver range with higher sensitivity and reduce interference with lower sensitivity.



## Real-time display

High contrast LCD on the front panel displays antenna selection status and setting details, as well as monitoring the battery status and input volume of the connected transmitter for the audio engineer to handle and ensure the best sound quality.



## Antenna Distribution

UHF detachable antennas are designed to enhance wireless audio transmission range, covering the 500-960 MHz frequency band. It ensures stable and reliable signal reception and can be paired with adapters and the UHF antenna booster and antenna dividers for improved signal performance in various audio applications.



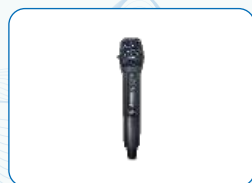
# DWS-612

UHF True Diversity Professional Microphone

| Technical Specification |   |
|-------------------------|---|
| Model                   | DWS-612   |
| Chassis                 | EIA standard 19" metal 1/2U                                 |
| Receiving mode          | True Diversity  |
| Frequency range         | UHF 500 ~ 960 MHz   |
| Bandwidth               | 25 MHz  |
| Channel                 | Dual  |
| Preset frequencies      | 100   |
| Channel sync            | RX <-> TX   |
| Frequency response      | 50 Hz ~ 18 KHz  |
| Peak deviation          | ± 40 KHz  |
| Sensitivity             | S/N > 80 dBm at 10 dBμV                                     |
| S/N ratio               | > 110 dB(A)   |
| T.H.D.                  | < 0.5% @ 1 KHz  |
| Receiving antenna       | Detachable at rear-end, TNC female.                         |
| Oscillation             | PLL synthesized, frequency stability ± 0.005% (-10 ~ +60°C) |
| Squelch                 | Pilotone & Noise-cancelling dual-squelch circuit            |
| Audio connector         | Balanced XLR and unbalanced Ø6.3mm                          |
| Audio Output Adjustment | Gain control circuit for adjustment of output volume        |
| Output level switch     | MIC-LINE  |
| Power supply            | 12V DC /1.0A  |
| Dimensions (mm)         | 200 x 150 x 44  |
| Weight (kg)             | 0.73  |



## Compatible



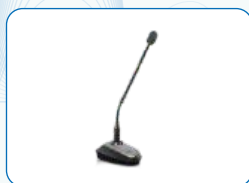
**DWS-81**

Rechargeable Handheld  
Microphone



**DWS-82**

Rechargeable Bodypack  
Microphone



**DWS-83**

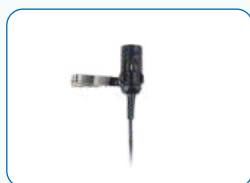
Wireless Gooseneck  
Microphone

## Accessories



**DWS-HC92**

Dual-Slot  
Charging Station



**DWS-MC16+**

Uni-Directional  
Lavalier Microphone



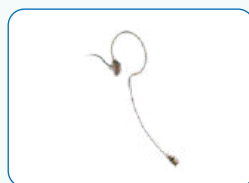
**DWS-MC201**

Dual-Sided Uni-Directional  
Waterproof Headworn  
Microphone



**DWS-MC77**

Uni-Directional  
Headset Microphone



**DWS-MC61B**

Single-Sided Uni-  
Directional Earworn  
Microphone



**DWS-DA80**

Wideband  
Directional Antenna



**DWS-AD85**

Wideband 4-Channel  
Antenna Divider



**DWS-AB80**

UHF Antenna  
Booster



**DWS-AD50F**

Passive Antenna  
Divider Pack



**DWS-FM801**

Rear-to-Front  
Cables



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