

# DCW-8900M Wireless Central Controller Unit



**DCW-8900M** With high flexibility and reliability, our UHF wireless conference system is an ideal choice for mobile conference systems. It offers simple operation, compact structures. The wireless conference system can be perfectly integrated into any meeting rooms, without additional wiring. It's the best wireless conference solutions for small scale conferences.

## Certifications : CE and RoHS

The DCW-8900M conforms to standard

- IEC 62321
- ETSI EN301 489, ETSI EN300 220
- EN 1122B, EN 60950
- EPA 3050B, EPA 3052, EPA 3060A, EPA 3540C, EPA 7196A, EPA 8270D

## Feature

- LCD display for status information and configuration.
- Up to 5 open microphones (4 for delegates and 1 for the chairman).
- Four operational microphone modes:
  1. Limited mode: allows selection microphones, which can be simultaneously active. (1/2/3/4)
  2. FIFO mode: delegates can override each other simply by activating their microphones. (1/2/3/4)
  3. Chairman only mode: only chairman can speak.
  4. Free mode: 5 microphones unit can be activated simultaneously. (chairman 1 + delegate 4 )
- Number of open microphones between 1 to 4 (Limit and FIFO mode) 5 microphones activated simultaneously (Free mode).
- Control for up to 999 wireless discussion units.
- Easy to move and easy to Installation without problem wiring connection.
- Adopt multi-channel high band and intermediate band frequency selective filtering, fully eliminate interference signal.
- Built-in feedback eliminating technology which can decrease the feedback and noise effectively.
- Built-in multiple noise detecting circuit and TONE-LOCK system to make sure the system has strong anti-jamming function.
- Typical range 60 m (200 ft) and maximum range 100 m (330 ft).
- Support video camera auto-track function with video processor.
- 19" (2U) housing for table top or rack mounting.
- Handgrips for easy transport.



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- Up to 5 open microphones (4 for delegates and 1 for the chairman).
- Four operational microphone modes:
  1. Limited mode:1/2/3/4
  2. FIFO mode:1/2/3/4
  3. Chairman Mode: Only Chairman can be ON.
  4. Free mode: 5 microphones unit can be activated simultaneously. (chairman 1 + delegate 4 )
- Control for up to 999 wireless discussion units.
- Typical range 60 m (200 ft) and maximum range 100 m (330 ft).
- Built-in feedback eliminating technology which can decrease the feedback and noise effectively.
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- Support video camera auto-track function with video processor.

## Controls and Indicators

### Front

- Power on/off switch.
- LCD display for status information and configuration.
- 1 soft button (SET) for select menu conference mode.
- 1 soft button (Arrow up) for setting in conference mode.
- 1 soft button (Arrow down) for setting in conference mode.
- 1 Rotary volume control for adjusting microphone chairman volume and six LEDs which indicate audio signal input presence, RF, -20, -15, -10, -05 and PEAK.
- 4 Rotary volume control for adjusting microphone delegate volume and six LEDs which indicate audio signal input presence, RF, -20, -15, -10, -05 and PEAK for each channel.

### Interconnections

#### Back

- 1 x Wireless antenna socket (ANT DATA) for System data control.
- 2 x Wireless antenna socket (ANT B) for Delegate mic RF.
- 1 x Wireless antenna socket (ANT A) for Chairman mic RF.
- 1 x RJ45 ports (DATA) for External video processor connection interface.
- 1 x 6.35 mm (1/4 in) jack sockets (MIX OUT) for mixed audio output.
- 1 x Three-pole XLR balanced (MIX BAL) for mixed audio output.
- 1 x DC input.

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## Specifications

Audio channel	
Transmission method	UHF Wireless (one way)
Audio channel	5 (1 chairman,4 delegate)
Carrier frequency band	500~950MHz (depend on local regulation)
Modulation method	FM
Receiving sensitivity	-100dBm
Audio gain	≤20
Frequency response	50Hz-15KHz
S/N Ratio	>85dB
T.H.D.	<0.8%
Data control channel	
Transmission method	Wireless (two-way)
Data channel	16
Frequency Range	422.4MHz ~ 438.4MHz
Modulation method	FSK

Receiving sensitivity	-100dBm
Transmission consumption	≤6dBm
Communication rate	100KBPS
Frequency deviation	<0.002

System	
Power supply	DC12~15V ≤1A
Signal covering range	Radius 60 meters
Consumption Rating	7W
Operating temperature range	-10-40 degree
Dimensions	485×355×85 mm
N.W	7kg



## Diagram

