



ClearOne's Wireless Microphone System is the most economical, versatile, and easily scalable wireless system in the market today with unprecedented ease-of-use and simple installation.

This microphone system complements other professional audio products from ClearOne including CONVERGE® Pro 1 & 2 Mixers, INTERACT Mixers, CONVERGE Matrix products. WS800 Receiver comes with and without Dante™ built-in audio networking.

### Flexibility

- + Reliable digital wireless system is the best for flexible spaces and upgrading existing areas without access to cable paths

### Economical

- + Cost-effective and flexible as one system can serve the wireless needs of up to six rooms

### Scalability

- + Provides up to 32 channels per RF band allowing channels to be added in the field to respond to future growth

### Audio Quality

- + From 20 Hz to 20 kHz very low-latency digital audio, enhanced through the Dante™ interface

### Mixed Audio Outputs

- + Balanced line or headphone output and the GUI can be used to send control signals to the main and mixed outputs

### Multiple RF Ranges

- + M915: 902 MHz to 928 MHz
- + M715: 712 MHz to 737 MHz
- + M610: 605 MHz to 632 MHz
- + M500: 486 MHz to 512 MHz
- + M550: 537 MHz to 563 MHz
- + M586: 573 MHz to 599 MHz
- + M800: 793 MHz to 819 MHz
- + M930: 917 MHz to 943 MHz



#### VENUES

Boardrooms

Conference Rooms

Courtrooms

Training Rooms

Auditoriums

Houses of Worship



## Components/Back Panel



Model	Part Numbers	RF Range	Available Options*
WS840 (4 output channels)	910-6000-401	M915 (902-928 MHz)	-D : Dante network capability -X : XLR Connector Outputs* -S : Receiver is a Stage Audio receiver -C : Audio Compression
	910-6000-402	M715 (712-737 MHz)	
	910-6000-403	M610 (605-631 MHz)	
	910-6000-404-C	M500 (486-512 MHz)	
	910-6000-408-C	M550 (537-563 MHz)	
	910-6000-405-C	M586 (573-599 MHz)	
	910-6000-406-C	M800 (793-819 MHz)	
	910-6000-407-C	M930 (917-943 MHz)	
WS880 (8 output channels)	910-6000-801	M915 (902-928 MHz)	
	910-6000-802	M715 (712-737 MHz)	
	910-6000-803	M610 (605-631 MHz)	
	910-6000-804-C	M500 (486-512 MHz)	
	910-6000-808-C	M550 (537-563 MHz)	
	910-6000-805-C	M586 (573-599 MHz)	
	910-6000-806-C	M800 (793-819 MHz)	
	910-6000-807-C	M930 (917-943 MHz)	

\* Any combination of options are available separate or combined, except for options -C and -S together.  
\* Euroblock connectors provided unless -X option is ordered

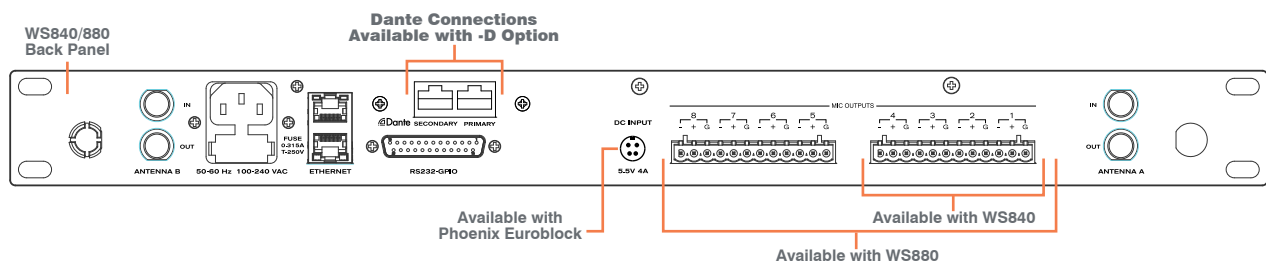
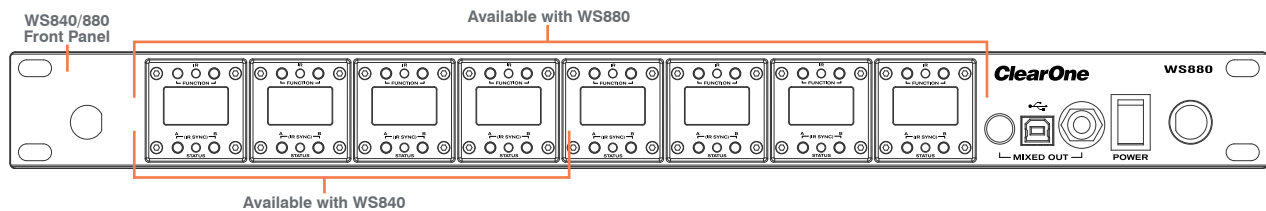
## PRODUCT SPECIFICATIONS

### WS800 Wireless Microphone System:

- Wireless System: Up to 24-bit, 48 KHz, digital audio RF technology
- Channels: 4 or 8-channel receivers
- Daisy-chainable up to 32 channels per RF band
- RF Range: M915: 902 MHz to 928 MHz      M715: 712 MHz to 737 MHz  
M610: 605 MHz to 632 MHz      M500: 486 MHz to 512 MHz  
M550: 537 MHz to 563 MHz      M586: 573 MHz to 599 MHz  
M800: 793 MHz to 819 MHz  
M930: 917 MHz to 943 MHz
- Working Range: 300 feet (line-of-sight)
- Encryption: 256 bit key (AES) always-on, laboratory-verified NSA FIPS 197 standard
- Frequency Response:
  - 16 channels 20 Hz - 20 KHz (stage)
  - 32 channels 20 Hz - 20 KHz (compressed, conference)
  - 32 channels 20 Hz - 12 KHz (non-compressed, conference)
- S/N Ratio: 109 dB (typical 'A' weighted)
- Total Harmonic Distortion: <0.03% @ 1kHz
- Latency:
  - Stage..... 3ms
  - Conference, non-compressed..... 4ms
  - Conference, compressed..... 9-10ms
- Stability: <5ppm

### Receiver (Base Station)

- Operation Temperature Range: 0 - 50 degrees Celsius ambient temperature
- Channels per receiver: 4-channels (WS840), 8 channels (WS880)
- Power Requirements: 100-240 VAC 50-60 Hz, 15 Watts
- Display: OLED
- External Antennas: Support up to six pairs per system
- Antenna Distribution: Attach up to 32 channels to one pair of antennas
- Analog Audio Outputs: Phoenix terminal blocks or with XLR adapters
- Output Impedance: 100 Ohm
- Headphone out (mixed): Balanced 1/4 inch TRS mixed line out for recorders or powered speakers; or headphone out
- Interface: USB, RS232 & Ethernet (dual port 10/100 Mbps)
- Dante™ Audio channels: Eight (8) digital outputs @ 48 KHz.
- Dante Ports: Primary & secondary, RJ45 ports, 100/1000 Mbps, 328 ft.
- GPIO Interface: 22 programmable pins
- Gain Adjustment Range: -20dB to +31 dB
- Dimension: 1-U rack-mount, 19 x 1.75 x 6.5 inches
- Weight: 4.7 lbs (2.14 kg) for 8-channel receiver; 4.5 lbs (2.04 kg) for 4-channel receiver



Note: Receivers with -X option come with Euroblock-to-XLR adapters.

## PRODUCT SPECIFICATIONS

### Charging Station (Docking Station)

- **Housing:** ABS
- **Capacity:** Charges 8 microphones simultaneously (mix and match any type of the supplied microphones)
- **Power:** 5.6V DC / 4 A
- **Dimension:** 13.25 x 5.75 inches
- **Weight:** 1.30 lbs (.58 kg)



Part Number | 910-6000-800 (comes free with Receiver)

### Extension Antennas

- **Mount:** Wall mount, ceiling or mic-stand mount
- **Connectors:** Straight connectors
- **Reception Pattern:** 130-degree reception pattern
- **Gain:** Provides 15dB of RF gain (915MHz)
- **Power:** Phantom-powered from the receiver
- **Dimensions:** 5.8"(dia) x 1.125"(d) (14.8cm x 2.9cm)
- **Weight:** .55 lbs (.24 kg)



Category	Part Numbers	RF Range
Extension Antenna Kit (with 25 ft plenum cable)	910-6005-001	M915 (902-928 MHz)
	910-6005-002	M715 (712-737 MHz)
	910-6005-003	M610 (605-631 MHz)
	910-6005-004	M500 (486-512 MHz)
	910-6005-008	M550 (537-563 MHz)
	910-6005-005	M586 (573-599 MHz)
	910-6005-006	M800 (793-819 MHz)
910-6005-007	M930 (917-943 MHz)	
Extension Antenna Kit (with 50 ft plenum cable)	910-6005-011	M915 (902-928 MHz)
	910-6005-012	M715 (712-737 MHz)
	910-6005-013	M610 (605-631 MHz)
	910-6005-014	M500 (486-512 MHz)
	910-6005-018	M550 (537-563 MHz)
	910-6005-015	M586 (573-599 MHz)
	910-6005-016	M800 (793-819 MHz)
910-6005-017	M930 (917-943 MHz)	
Extension Antenna Combiner	910-6005-200 (2way)	
	910-6005-300 (3way)	
	910-6005-400 (4way)	

### Transmitters (Microphones)

- **Mic Polar Pattern :** Cardioid, omni
- **RF Output:** 1, 10, 25 or 50mW, user selectable
- **Power:** USB or AA rechargeable (included) or AA disposal
- **Antenna:** Internal
- **LED Indicators:** Battery status, mute status
- **Button:** Press to talk, press to mute (or logic mute), toggle on/off
- **Programmable Switch:** Talk, mute, logic mute, on / off
- **Frequency Response:** 60 - 20kHz (Omni version); 60 - 15kHz (Cardioid version)
- **Signal-to-Noise Ratio:** 80dB Typ. at 1kHz (1Pa) 'A' weighted (Omni version); 74dB Typ. at 1kHz (1Pa) 'A' weighted (Cardioid version)
- **Battery:** Two rechargeable NiMH included, standard AA size
- **Battery Charge Time:** 4 hrs
- **Battery Talk Time:** Up to 8 hrs continuous usage per charge, typical @ 1mW
- **Dimension:** 3.9 L x 2.8 W x .69 H inches
- **Weight:** 0.25lbs (.12 Kg) including batteries



Model	Part Numbers	RF Range	Available Options*
Cardioid version	910-6001-001	M915 (902-928 MHz)	-C : Audio Compression
	910-6001-002	M715 (712-737 MHz)	
	910-6001-003	M610 (605-631 MHz)	
	910-6001-004-C	M500 (486-512 MHz)	
	910-6001-008-C	M550 (537-563 MHz)	
	910-6001-005-C	M586 (573-599 MHz)	
	910-6001-006-C	M800 (793-819 MHz)	
910-6001-007-C	M930 (917-943 MHz)		
Omni version	910-6001-011	M915 (902-928 MHz)	-C : Audio Compression
	910-6001-012	M715 (712-737 MHz)	
	910-6001-013	M610 (605-631 MHz)	
	910-6001-014-C	M500 (486-512 MHz)	
	910-6001-018-C	M550 (537-563 MHz)	
	910-6001-015-C	M586 (573-599 MHz)	
	910-6001-016-C	M800 (793-819 MHz)	
910-6001-017-C	M930 (917-943 MHz)		

\* For systems with audio compression, -C must be added to the transmitter part number

### Gooseneck Microphone

- **Mic Polar Pattern:** Cardioid, Super-Cardioid
- **Gooseneck Lengths:** 6, 12 or 18 inch, with double bend
- **RF Output:** 1, 10, 25 or 50mW, user-selectable
- **Frequency Response:** 60 - 15kHz
- **Signal-to-Noise Ratio:** 74dB Typ. at 1kHz (1Pa) 'A' weighted
- **Antenna:** Internal
- **Power:** USB or AA rechargeable (included) or AA disposal
- **Button:** Press-to-talk, press-to-mute (or logic mute), toggle on/off
- **LED Indicators:** Battery status, mute status
- **Programmable Switch:** Talk, mute, logic mute, on / off
- **Battery:** Four rechargeable NiMH included, standard AA size
- **Battery Charge Time:** 4 hrs
- **Battery Talk Time:** Up to 16 hrs continuous usage per charge, typical @ 1mW
- **Dimension:** 6.1 L x 4.6 W x 1.4 H inches
- **Weight:** 1.60lbs (.72 Kg) including batteries



Model	Part Numbers	RF Range	Available Options*
6-inch neck	910-6002-061	M915 (902-928 MHz)	-C : Audio Compression
	910-6002-062	M715 (712-737 MHz)	
	910-6002-063	M610 (605-631 MHz)	
	910-6002-064-C	M500 (486-512 MHz)	
	910-6002-068-C	M550 (537-563 MHz)	
	910-6002-065-C	M586 (573-599 MHz)	
	910-6002-066-C	M800 (793-819 MHz)	
910-6002-067-C	M930 (917-943 MHz)		
12-inch neck	910-6002-121	M915 (902-928 MHz)	-C : Audio Compression
	910-6002-122	M715 (712-737 MHz)	
	910-6002-123	M610 (605-631 MHz)	
	910-6002-124-C	M500 (486-512 MHz)	
	910-6002-128-C	M550 (537-563 MHz)	
	910-6002-125-C	M586 (573-599 MHz)	
	910-6002-126-C	M800 (793-819 MHz)	
910-6002-127-C	M930 (917-943 MHz)		
18-inch neck	910-6002-181	M915 (902-928 MHz)	-C : Audio Compression
	910-6002-182	M715 (712-737 MHz)	
	910-6002-183	M610 (605-631 MHz)	
	910-6002-184-C	M500 (486-512 MHz)	
	910-6002-188-C	M550 (537-563 MHz)	
	910-6002-185-C	M586 (573-599 MHz)	
	910-6002-186-C	M800 (793-819 MHz)	
910-6002-187-C	M930 (917-943 MHz)		

\* For systems with audio compression, -C must be added to the transmitter part number

## PRODUCT SPECIFICATIONS

### Handheld Microphone

- Mic Polar Pattern: Cardioid, Super-Cardioid, or Hyper-Cardioid
- RF Output: 1, 10, 25 or 50mW, user-selectable
- Frequency Response: 60 - 15kHz
- Signal-to-Noise Ratio: : 74dB Typ. at 1kHz (1Pa) 'A' weighted
- Antenna: Internal
- Display: OLED
- Power: USB or AA rechargeable (included) or AA disposal
- Indicators: Battery status, mute status
- Programmable Switch: Talk, mute, logic mute, on / off
- Battery: Two rechargeable NiMH included, standard AA size
- Battery Charge Time: 4 hrs
- Battery Talk Time: Up to 8 hrs continuous usage per charge, typical @ 1mW
- Dimension: 10.2 L x 1.4 W x 1.4 H inches
- Weight: 0.75lbs (.34 Kg) including batteries



Model	Part Numbers	RF Range	Available Options*
Handheld mic	910-6003-001	M915 (902-928 MHz)	-C : Audio Compression
	910-6003-002	M715 (712-737 MHz)	
	910-6003-003	M610 (605-631 MHz)	
	910-6003-004-C	M500 (486-512 MHz)	
	910-6003-008-C	M550 (537-563 MHz)	
	910-6003-005-C	M586 (573-599 MHz)	
	910-6003-006-C	M800 (793-819 MHz)	
910-6003-007-C	M930 (917-943 MHz)		

Model	Part Numbers	RF Range
OM5	910-6003-021	M915 (902-928 MHz)
	910-6003-022	M715 (712-737 MHz)
	910-6003-023	M610 (605-631 MHz)
	910-6003-024-C	M500 (486-512 MHz)
	910-6003-028-C	M550 (537-563 MHz)
	910-6003-025-C	M586 (573-599 MHz)
	910-6003-026-C	M800 (793-819 MHz)
	910-6003-027-C	M930 (917-943 MHz)

Model	Part Numbers	RF Range
OM3	910-6003-011	M915 (902-928 MHz)
	910-6003-012	M715 (712-737 MHz)
	910-6003-013	M610 (605-631 MHz)
	910-6003-014-C	M500 (486-512 MHz)
	910-6003-018-C	M550 (537-563 MHz)
	910-6003-015-C	M586 (573-599 MHz)
	910-6003-016-C	M800 (793-819 MHz)
	910-6003-017-C	M930 (917-943 MHz)

\* For systems with audio compression, -C must be added to the transmitter part number



Beltpack Transmitter



Headset Mic



Lavalier Mic

### Beltpack Transmitter

- RF Output: 1, 10, 25 or 50mW, user-selectable
- Antenna: External, field-replaceable
- Display: OLED
- Power: USB, AA rechargeable (included), or AA disposable
- Indicators: Battery status, mute status
- Programmable Switch: Talk, mute, logic mute, on / off
- Mic Input Impedance: 47 K Ohms
- Mic Bias: 3V
- Mic Connector: TA4
- Battery: Two rechargeable NiMH included, standard AA size
- Battery Charge Time: 4 hrs
- Battery Talk Time: Up to 8 hrs continuous usage per charge, typical @ 1 mW
- Dimension: 2.8 L x 2.4 W x .66 H inches
- Weight: 0.35 lbs (.16 Kg) including batteries

### Lavalier Mic for Beltpack Transmitter

- Mic Polar Pattern: Omni
- Frequency Response: 20 - 20kHz
- Signal-to-Noise Ratio: Above 56dB at 1kHz (1Pa) 'A' weighted

### Headset Mic for Beltpack Transmitter

- Mic Polar Pattern: Omni
- Frequency Response: 50 - 18kHz
- Signal-to-Noise Ratio: Above 56dB at 1kHz (1Pa) 'A' weighted
- Headset: Single-ear headset

Model	Part Numbers	RF Range	Available Options*
Beltpack Transmitter	910-6004-001	M915 (902-928 MHz)	-C : Audio Compression
	910-6004-002	M715 (712-737 MHz)	
	910-6004-003	M610 (605-631 MHz)	
	910-6004-004-C	M500 (486-512 MHz)	
	910-6004-008-C	M550 (537-563 MHz)	
	910-6004-005-C	M586 (573-599 MHz)	
	910-6004-006-C	M800 (793-819 MHz)	
910-6004-007-C	M930 (917-943 MHz)		

\* M500, M586, M800, M930 (MHz) systems are only available with audio compression

\* For systems with audio compression, -C must be added to the transmitter part number

Lavalier Mic	910-6004-010	Lavalier Mic for Beltpack transmitter
Headset Mic	910-6004-020	Headset Mic for Beltpack transmitter

## SALES AND INQUIRIES

### Headquarters

5225 Wiley Post Way,  
Suite 500  
Salt Lake City, UT 84116

### US & Canada

Tel: 801.975.7200  
TollFree: 800.945.7730  
Fax: 801.303.5711

### International

Tel: +1.801.975.7200  
global@clearone.com

### Sales

Tel: 801.975.7200  
sales@clearone.com

### TechSupport

Tel: 801.974.3760  
tech.support@clearone.com