



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





| 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

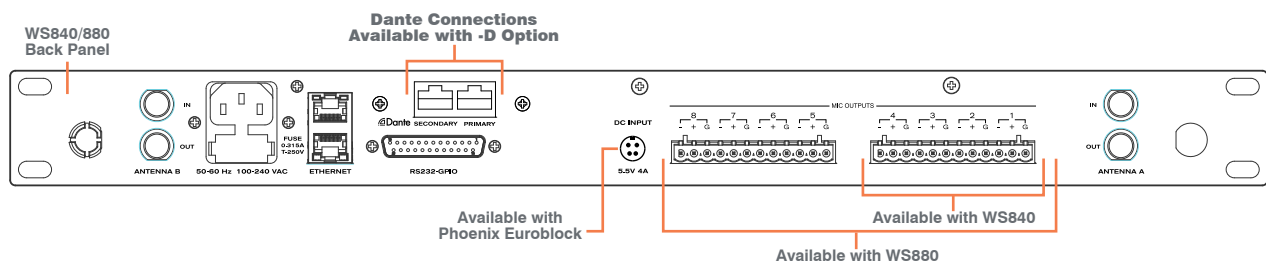
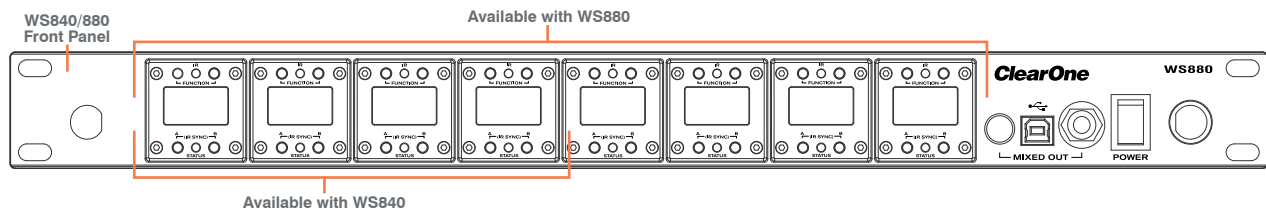
PRODUCT SPECIFICATIONS

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 |

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