

ClearOne's Dante 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 newly released microphone system complements other professional audio products from ClearOne including CONVERGE® Matrix and CONNECT Dante bridge for CONVERGE Pro.



Applications

- + Conference Rooms/Boardrooms
- + Video/Audio Conferencing Suites
- + Courtrooms/Council Chambers
- + Universities/Training Rooms
- + Distance Learning/Teaching Laboratories
- + Executive Briefing Centers
- + Auditoriums
- + Houses of Worship

Advantages

- + 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: 710 MHz to 740 MHz
 - > M610: 603 MHz to 630 MHz
 - > M500: 486 MHz to 512 MHz
 - > M586: 573 MHz to 599 MHz
 - > M800: 793 MHz to 819 MHz
 - > M930: 917 MHz to 943 MHz

WS800 Dante FAMILY GROUP - 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 M610: 603 MHz to 630 MHz M586: 573 MHz to 599 MHz M930: 917 MHz to 943 MHz | M715: 710 MHz to 740 MHz M500: 486 MHz to 512 MHz M800: 793 MHz to 819 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; 32 channels 32 Hz - 12 KHz | |
| S/N Ratio: | 108 dB (typical 'A' weighted) | |
| Total Harmonic Distortion: | <0.03% @ 1kHz | |
| Stability: | <5ppm | |
| Operation Temperature Range: | 0 - 50 degrees Celsius ambient temperature | |



RECEIVERS (BASE STATIONS)

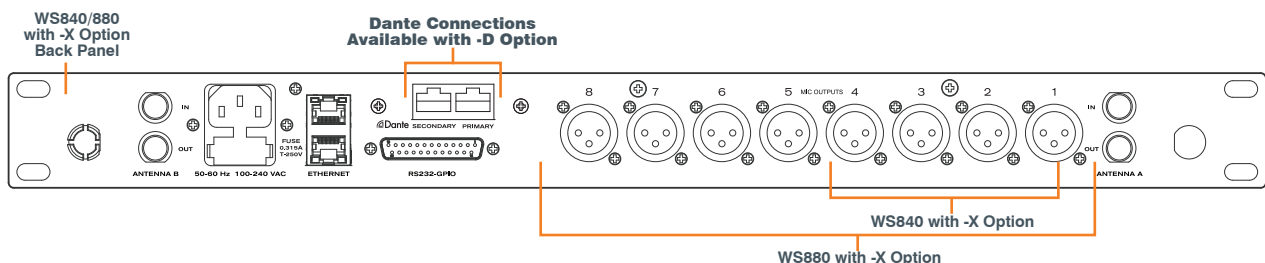
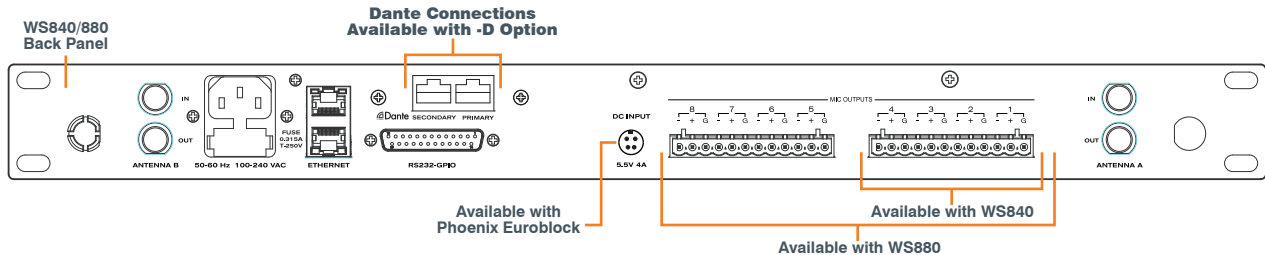
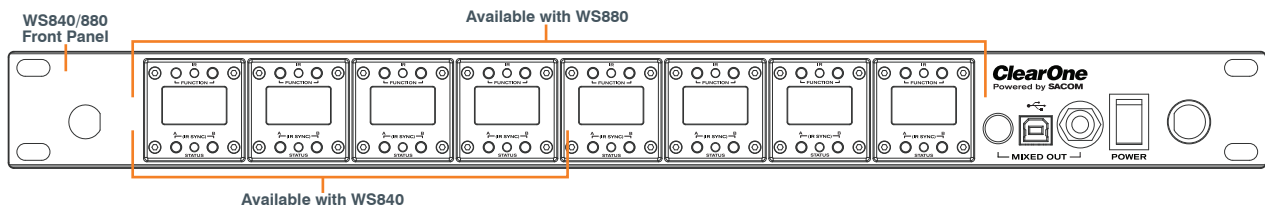
| | |
|------------------------|--|
| Channels per receiver: | 4 channels (WS840), 8 channels (WS880) |
| Power Requirements: | 100-240 VAC 50-60 Hz, 15 Watts |
| Display: | OLED |
| External Antennas: | Support up to six pairs per system |
| Antenna Distribution: | Attach up to 32 channels to one pair of antennas |
| Analog Audio Outputs: | Phoenix terminal blocks or XLRs |
| 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 |



| 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 (not available on M915 RF Ranges) |
| | 910-6000-402 | M715 (710-740 MHz) | |
| | 910-6000-403 | M610 (603-630 MHz) | |
| | 910-6000-404 | M500 (486-512 MHz) | |
| | 910-6000-405 | M586 (573-599 MHz) | |
| | 910-6000-406 | M800 (793-819 MHz) | |
| | 910-6000-407 | M930 (917-943 MHz) | |
| WS880 (8 output channels) | 910-6000-801 | M915 (902-928 MHz) | |
| | 910-6000-802 | M715 (710-740 MHz) | |
| | 910-6000-803 | M610 (603-630 MHz) | |
| | 910-6000-804 | M500 (486-512 MHz) | |
| | 910-6000-805 | M586 (573-599 MHz) | |
| | 910-6000-806 | M800 (793-819 MHz) | |
| | 910-6000-807 | M930 (917-943 MHz) | |

* Any combination of options available except -C with M915 RF ranges

* Euroblock connectors provided unless -X option is ordered



CHARGING STATION (DOCKING STATION)

| | |
|------------|---|
| Housing: | ABS |
| Capacity: | Charges 8 microphones simultaneously (mix and match any type of the supplied microphones) |
| Power: | 5V 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: | 6(h) x 4(w) x 2.5(d) inches |
| Weight: | .45 lbs (.20 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 (710-740 MHz) |
| | 910-6005-003 | M610 (603-630 MHz) |
| | 910-6005-004 | M500 (486-512 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 (710-740 MHz) |
| | 910-6005-013 | M610 (603-630 MHz) |
| | 910-6005-014 | M500 (486-512 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) | |

TRANSMITTER (Microphones)

TABLETOP MICROPHONE

| | |
|------------------------|--|
| 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); 73dB 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 |
|------------------|--------------|--------------------|
| Cardioid version | 910-6001-001 | M915 (902-928 MHz) |
| | 910-6001-002 | M715 (710-740 MHz) |
| | 910-6001-003 | M610 (603-630 MHz) |
| | 910-6001-004 | M500 (486-512 MHz) |
| | 910-6001-005 | M586 (573-599 MHz) |
| | 910-6001-006 | M800 (793-819 MHz) |
| | 910-6001-007 | M930 (917-943 MHz) |
| Omni version | 910-6001-011 | M915 (902-928 MHz) |
| | 910-6001-012 | M715 (710-740 MHz) |
| | 910-6001-013 | M610 (603-630 MHz) |
| | 910-6001-014 | M500 (486-512 MHz) |
| | 910-6001-015 | M586 (573-599 MHz) |
| | 910-6001-016 | M800 (793-819 MHz) |
| | 910-6001-017 | M930 (917-943 MHz) |

GOOSENECK MICROPHONE

| | |
|------------------------|---|
| Mic Polar Pattern: | Cardioid, hyper cardioid, or omni |
| 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: | 73dB 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 14 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 |
|--------------|--------------|--------------------|
| 6 inch neck | 910-6002-061 | M915 (902-928 MHz) |
| | 910-6002-062 | M715 (710-740 MHz) |
| | 910-6002-063 | M610 (603-630 MHz) |
| | 910-6002-064 | M500 (486-512 MHz) |
| | 910-6002-065 | M586 (573-599 MHz) |
| | 910-6002-066 | M800 (793-819 MHz) |
| | 910-6002-067 | M930 (917-943 MHz) |
| 12 inch neck | 910-6002-121 | M915 (902-928 MHz) |
| | 910-6002-122 | M715 (710-740 MHz) |
| | 910-6002-123 | M610 (603-630 MHz) |
| | 910-6002-124 | M500 (486-512 MHz) |
| | 910-6002-125 | M586 (573-599 MHz) |
| | 910-6002-126 | M800 (793-819 MHz) |
| | 910-6002-127 | M930 (917-943 MHz) |
| 18 inch neck | 910-6002-181 | M915 (902-928 MHz) |
| | 910-6002-182 | M715 (710-740 MHz) |
| | 910-6002-183 | M610 (603-630 MHz) |
| | 910-6002-184 | M500 (486-512 MHz) |
| | 910-6002-185 | M586 (573-599 MHz) |
| | 910-6002-186 | M800 (793-819 MHz) |
| | 910-6002-187 | M930 (917-943 MHz) |

HANDHELD MICROPHONE

| | |
|------------------------|--|
| Mic Polar Pattern : | Cardioid or hyper cardioid |
| RF Output: | 1, 10, 25 or 50mW, user selectable |
| Frequency Response: | 60 - 15kHz |
| Signal-to-Noise Ratio: | Above 57dB at 1 kHz (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 |
|--------------|--------------|--------------------|
| Handheld mic | 910-6003-001 | M915 (902-928 MHz) |
| | 910-6003-002 | M715 (710-740 MHz) |
| | 910-6003-003 | M610 (603-630 MHz) |
| | 910-6003-004 | M500 (486-512 MHz) |
| | 910-6003-005 | M586 (573-599 MHz) |
| | 910-6003-006 | M800 (793-819 MHz) |
| | 910-6003-007 | M930 (917-943 MHz) |

| Model | Part Numbers | RF Range |
|-------|--------------|--------------------|
| OM5 | 910-6003-021 | M915 (902-928 MHz) |
| | 910-6003-022 | M715 (710-740 MHz) |
| | 910-6003-023 | M610 (603-630 MHz) |
| | 910-6003-024 | M500 (486-512 MHz) |
| | 910-6003-025 | M586 (573-599 MHz) |
| | 910-6003-026 | M800 (793-819 MHz) |
| | 910-6003-027 | M930 (917-943 MHz) |

| Model | Part Numbers | RF Range |
|-------|--------------|--------------------|
| OM3 | 910-6003-011 | M915 (902-928 MHz) |
| | 910-6003-012 | M715 (710-740 MHz) |
| | 910-6003-013 | M610 (603-630 MHz) |
| | 910-6003-014 | M500 (486-512 MHz) |
| | 910-6003-015 | M586 (573-599 MHz) |
| | 910-6003-016 | M800 (793-819 MHz) |
| | 910-6003-017 | M930 (917-943 MHz) |

BELTPACK TRANSMITTER

| | |
|----------------------|---|
| RF Output: | 1, 10, 25 or 50mW, user selectable |
| Antenna: | External, field-replaceable |
| Display: | OLED |
| Power: | USB or battery |
| 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 58dB at 1kHz (1Pa) 'A' weighted |
| Headset: | Single-ear headset |



Beltpack Transmitter



Headset Mic



Lavalier Mic

| Model | Part Numbers | RF Range |
|----------------------|--------------|--------------------|
| Beltpack Transmitter | 910-6004-001 | M915 (902-928 MHz) |
| | 910-6004-002 | M715 (710-740 MHz) |
| | 910-6004-003 | M610 (603-630 MHz) |
| | 910-6004-004 | M500 (486-512 MHz) |
| | 910-6004-005 | M586 (573-599 MHz) |
| | 910-6004-006 | M800 (793-819 MHz) |
| | 910-6004-007 | M930 (917-943 MHz) |

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