DIALOG® UVHF Wireless Microphone

The ClearOne DIALOG UVHF is a highly flexible wireless microphone system that delivers incredibly robust reception and more available spectrum on-demand than any other product in its class.

> Offers an extremely wideband 160 MHz on-demand RF tuning range, with up to 350 available microphone channels.

> Full-time standards-based FIPS 197 AES-256 encryption ensures a secure link for wireless audio.

> PoE power, audio, and control signals are delivered over a single CAT 6 cable for simplified deployment and dual Ethernet ports allow for easy access point or network device expansion.

> Lightweight, plenum-rated access point provides versatile mounting options for ceiling, wall, or table-top. VESA hole pattern allows for pole mounting.

> Four types of microphones with flexible pick-up patterns, capsule options, and value-added features.

> ClearOne's experienced wireless microphone technical sales team provides no-charge system design and remote commissioning support.

> Microphones include off-the-shelf rechargeable Li-ion batteries with 12-hour runtimes which can be charged in the dock or via USB C.

APPLICATIONS

• Audio Conferencing
• Video Conferencing
• Sound Reinforcement

WORKSPACES

• Conference rooms
• Board Rooms
• Training Rooms
• Court Rooms
• Lecture Halls
• City Council Venues
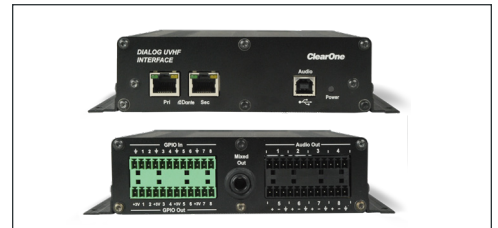
Great Ideas Need to Be Heard!™

Professional Quality
DIALOG UVHF has the only wireless access point to offer antenna redundancy and antenna diversity. Dual integral antennas with spatial and polarization diversity help to maintain high audio quality in harsh environments.

Access Point
Management software can communicate via web browser to the access point through wired Ethernet.

Dante Interface
An optional DIALOG UVHF Dante interface provides 8 Euroblock balanced analog outputs, including mixed output, USB audio output, and 8 GPIOs.

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RADIO FREQUENCY ....
- • UHF: 470-608 MHz
  - 306 RF Channels
  - 60 m (Line of Sight)
- • VHF: 196-216 MHz
  - 44 RF Channels
  - 20 m (Line of Sight)
- • RF Output Power: 1 mW, 10 mW
- • Digital Modulation: 200 kHz
- • RF Sensitivity: 89 dBm

AUDIO ....
- • Frequency Response: 20 Hz to 20 kHz
- • Audio Sampling: 24bit, 48 kHz
- • Signal to Noise Ratio: 109 dB(A)
- • Dynamic Range: 120 dB(A)
- • Audio Latency: 9 mS
- • Encryption: AES 256bit FIPS 197

ACCESS POINT ....
- • Dante: 8/4 channels
- • Ethernet: Dual RJ-45 PoE switch
- • Switch: PoE Input Power
- • Mount: Ceiling, Wall or Table (Junction box and VESA hole patterns)
- • Status: RGB LEDs
- • Power: PoE 7 W

CHARGER DOCK ....
- • Charger: 8/4 microphone and 8/4 spare cell bays
- • Status: RGB LED
- • Pairing: recessed button
- • Ethernet: Dual RJ-45 Switch
- • Power: PoE 60 W

DANTE INTERFACE ....
- • Mount: 1 U - 1/3 rack
- • Status: RGB LED
- • USB: Type B Digital Audio
- • Mixed Audio: 1/4 in TRS
- • Balanced audio: 8 ch Euroblock
- • GPIO: 8 ch Euroblock
- • Ethernet: Dual RJ-45 PoE switch
- • Power: PoE 5 W

TRANSMITTERS ....
- • Status: RGB LED
- • Display: Color LCD
- • USB: Type C
- • Battery: Li Ion 16650 3.7 V 2100 mAH
- • Run time: 12 hrs @ 1mW RF Power
- • Programmable button: PTT, PTM and Toggle
- • Audio Preamp: -20, -10, 0 to +31 dB (1 dB steps)
- • Low Cut Filter: 75 Hz

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MICROPHONES   ....

• H13 DYNAMIC CARDIOID MIC
- Frequency Response: 70 Hz to 16 kHz
- Element: Dynamic
- Polar Pattern: Uni-directional
- Open Circuit Sensitivity: -52 dB @ 1 kHz
- Max SPL: 140 dB

• H18 ELECTRET CARDIOID MIC
- Frequency Response: 60 Hz to 20 kHz
- Element: Condenser
- Polar Pattern: Uni-directional
- Open Circuit Sensitivity: -37 dB @ 1 kHz
- Signal to Noise Ratio: 74 dB @ 1 kHz (1 Pa)
- Equivalent Noise Level: 20 dB(A)
- Max SPL: 120 dB
- Voltage: 5 Vdc

• BOUNDARY CARDIOID MIC
- Frequency Response: 60 Hz to 20 kHz
- Element: Condenser
- Polar Pattern: Uni-directional
- Open Circuit Sensitivity: -37 dB @ 1 kHz
- Signal to Noise Ratio: 74 dB @ 1 kHz (1 Pa)
- Equivalent Noise Level: 20 dB(A)
- Max SPL: 120 dB
- Voltage: 5 Vdc

• BOUNDARY OMNI MIC
- Frequency Response: 60 Hz to 20 kHz
- Element: Condenser
- Polar Pattern: Omni-directional
- Open Circuit Sensitivity: -28 dB @ 1 kHz
- Signal to Noise Ratio: 80 dB @ 1 kHz (1 Pa)
- Equivalent Noise Level: 14 dB(A)
- Max SPL: 122 dB
- Voltage: 5 Vdc

• PODIUM GOOSENECK CARDIOID MIC
- Frequency Response: 60 Hz to 20 kHz
- Element: Condenser
- Polar Pattern: Uni-directional
- Open Circuit Sensitivity: -37 dB @ 1 kHz
- Signal to Noise Ratio: 74 dB @ 1 kHz (1 Pa)
- Equivalent Noise Level: 20 dB(A)
- Max SPL: 120 dB
- Voltage: 5 Vdc

• LAV OMNI / LANYARD OMNI / HEADSET OMNI MIC
- Frequency Response: 20 Hz to 20 kHz
- Element: Condenser
- Polar Pattern: Omni-directional
- Open Circuit Sensitivity: -42 dB @ 1 kHz
- Signal to Noise Ratio: 56 dB @ 1 kHz (1 Pa)
- Equivalent Noise Level: 38 dB(A)
- Max SPL: 120 dB
- Voltage: 5 Vdc

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GENERAL

DIMENSIONS AND WEIGHT ....
- Access Point: 12.1 x 12.1 x 2.0 in 3.0 lbs
- 8 Ch Charger Dock: 16.9 x 11.5 x 3.8 in 4.2 lbs
- 4 Ch Charger Dock: 11 x 9 x 2.4 in 2.25 lbs
- Dante Interface: 6.8 x 6.8 x 1.6 in 1.4 lbs
- Bodypack: 3.5 x 3.5 x 1.0 in 0.4 lbs
- Handheld: 8.2 x 1.5 x 1.5 in 0.3 lbs
- Podium: 5.0 x 3.5x 1.0 in 0.6 lbs
- Boundary: 5.0 x 3.5 x 1.0 in 0.6 lbs
- Operating Temperature: 0° C - 40° C (32° F - 104° F)

DIALOG UVHF

ACCESS POINT DANTE ....
- 910-6300-001-D: Access Point 8 CH Dante
- 910-6301-001-D: Access Point 4 CH Dante

DIALOG UVHF CHARGER DOCK ....
- 910-6303-001: Charger Dock 8-Bay
- 910-6303-002: Charger Dock 4-Bay

DIALOG UVHF DANTE INTERFACE ....
- 910-6304-001: Dante Interface

DIALOG UVHF BODY PACK ....
- 910-6305-001: Bodypack Transmitter (no mic)
- 910-6004-010: Lavalier Microphone Omni
- 910-6004-050: Lanyard Microphone Omni
- 910-6004-020: Headset Microphone Omni (black)
- 910-6004-020-T: Headset Microphone Omni (tan)

DIALOG UVHF HANDHELD ....
- 910-6306-001: Handheld Transmitter (no mic)
- 910-6304-005: Dynamic Cardioid Mic H13
- 910-6304-006: Electret Cardioid Mic H18

DIALOG UVHF PODIUM ....
- 910-6308-001: Podium Transmitter (no mic)
- 910-6308-002: Gooseneck Microphone 6 in
- 910-6308-003: Gooseneck Microphone 12 in
- 910-6308-004: Gooseneck Microphone 18 in

DIALOG UVHF BOUNDARY ....
- 910-6307-001: Boundary Transmitter (with cardioid/omni)

SALES AND INQUIRIES

Headquarters	**US & Canada**	**International**	**Sales**	**Tech Support**
5225 Wiley Post Way Suite 500 Salt Lake City, UT 84116	Tel: +1.801.975.7200	Tel: +1.801.975.7200	Tel: +1.801.975.7200 sales@clearone.com	Tel: +1.801.974.3760 audiotechsupport@clearone.com