

A complete conference room solution with flexibility in mind. The INTERACT AT includes all the necessary audio equipment and peripherals for any conference room while delivering exceptional audio quality at an affordable price.

Customize your solution with multiple microphones and speaker options, direct connection to enterprise telephones, USB audio, plus the ability to connect to the rich-media systems.



## Applications



- Unified Communications
- Use with Rich-Media Systems
  - > Web Conferencing
  - > Personal Computer
  - > IP Telephony
  - > Video Conferencing
- Board Rooms
- Conference Rooms
- Executive Offices

## Features



- + Enables Unified Communication in the conference room
- + USB port connects to PC for Skype, WebEx and other A/V conferencing applications
- + Headset port connects to Cisco, Avaya, and Nortel handsets
- + Sound quality exceeds traditional conference phone with ClearOne's HDConference technology
  - > Simplified installation combines all microphone signals onto a single data cable minimizing conduit and raceway requirements.
  - > Noise cancellation reduces background noises from fans or HVAC systems
  - > Automatic level controls keep participants' audio balanced and consistent
- + Scalable and flexible
  - > Multiple speaker mount options: wall, ceiling or custom
  - > Select appropriate number of MIC EX and MIC PODS (max three) to fit the applications
- + Integral network management system enables remote configuration, control and monitoring
- + Interoperates with NetStreams® A/V over IP systems
- + Easy to install, program and use

## COMPONENTS



### INTERACT AT MIXER

Provides advanced audio processing for superior sound quality.



### INTERACT MIC

Each pod features three voice-activated mic elements for 360° audio pickup.



**INTERACT COM** Provides an interface to telephone sets via the headset port or to PC audio via a USB port.



### CLEARONE LOUDSPEAKERS

Ceiling or wall-mount options provide premium sound. Also available without speakers for custom speaker options.



### INTERACT MIC EX

Each box contains three industry standard XLR microphone connectors. Boxes are daisy-chained from mixer using standard RJ-45 cables. Boxes can be rack-mounted with mixer or strategically positioned throughout a room to minimize microphone cable runs.



## Functional Specifications

### AUDIO PERFORMANCE

Conditions: Unless otherwise specified, all measurements are performed from 20 Hz to 15 kHz BW limit (No Weighting)  
Dynamic Range:  
> 80 dB (Non-A Weighted) THD+N: < 0.02%

### AUDIO MIXER

AEC Tail Time: 128 ms  
Adaptive Noise Cancellation: 6-15 dB  
Gating: Adaptive Ambient, 1st Mic Priority, Look-ahead Gating  
Up to a total of 3 INTERACT MIC or INTERACT MIC EX devices can be connected to the INTERACT AT Mixer  
48 kHz Sample Rate, 24-bit Resolution

### AUDIO MIXER LINE INPUT

Connection: Unbalanced RCA  
Impedance: 10 kΩ  
Nominal Level: -10 dBu  
Maximum Level: +9 dBu

### AUDIO MIXER PLAYBACK

Connection: Unbalanced Left and Right RCA (Summed Internally)  
Impedance: 10 kΩ  
Nominal Level: -10 dBu  
Maximum Level: +15 dBu

### AUDIO MIXER LINE OUTPUT

Connection: Unbalanced RCA  
Impedance: 10 kΩ  
Nominal Level: -10 dBu  
Maximum Level: +9 dBu

### AUDIO MIXER RECORD OUTPUT

Connection: Unbalanced Left and Right RCA (Mono Source Split Internally)  
Impedance: 10 kΩ  
Nominal Level: -10 dBu  
Maximum Level: +9 dBu

### AUDIO MIXER AMPLIFIER OUTPUT

Connection: Left and Right Push Terminals  
Power: 5 Watts  
Frequency Response: 20 Hz – 15 kHz (+/- 1 dB)  
Dynamic Range:  
> 80 dB THD+N: < 0.50%  
(+5 dBu Line Input @ 1 kHz)

### TELEPHONE INTERFACE

#### Telephone Audio Performance

Conditions: Unless otherwise specified, all measurements are performed with Transmit Limiter and Receive ALC disabled

#### Frequency Response:

250 Hz to 3.3 kHz ±1 dB THD+N: < 0.30% re-max level  
250 Hz to 3.3 kHz  
SNR: > 62 dB re-max level

#### Telco Line Echo Cancellation

Tail Time: 32 ms  
Null: 55 dB Nominal

#### Telephone Noise Cancellation

Noise Cancellation 6-15 dB Attenuation

#### RS-232 CONTROL PORT

DB9 Female  
Baud Rates: 9,600 / 19,200 / 38,400 / 57,600 (Default) / 115,200  
Protocol: 8 Bit / 1 Stop / No Parity  
Hardware Flow Control ON (Default)/OFF

#### USB CONFIGURATION PORT

USB 2.0 Compatible  
Type: B Connector

#### VISCA CAMERA PORT

Din, 9600 Baud, No Flow Control

#### LAN

10/100 Ethernet  
RJ-45 with Activity LED  
Supports: Telnet, HTTP

#### LINK BUS

Connection: RJ-45 with CAT5 Daisy-chained  
Maximum Distance:  
60 feet from Mixer to last device in chain

Maximum Number of INTERACT MIC Devices:  
3 - Any Mix of INTERACT MIC or MIC EX

Maximum Number of INTERACT COM Devices:  
1 per INTERACT Mixer

#### CONFIGURATION SOFTWARE

INTERACT Supports:  
Microsoft XP Vista and Windows 7

### INTERACT COM

#### USB AUDIO CHANNEL:

USB 2.0 Compatible  
Connector: Mini Type B  
TX and RX Channel, 16-bit at 16 kHz

#### HEADSET AUDIO CHANNEL:

Connector: RJ-9

#### Supported Telephone Sets:

Most Cisco, Avaya, and Nortel Phones

#### Audio Performance

Frequency Response: 40 to 3300 Hz  
THD and Noise: < 0.04% re-max level with 0 dB Gain @ 1 kHz  
Dynamic Range: > 84 dB (Non A-Weighted)

#### Audio Processing:

Receive Automatic Level Control  
Line Echo Cancellation for Side-Tone Elimination

#### GPIO:

Pin 1: Global Mute (C)  
Pin 2: Global Mute (S)  
Pin 3: ON/OFF Hook (C)  
Pin 4: ON/OFF Hook (S)  
Pin 5: 5V DC up to 40 mA

### INTERACT MIC – TABLETOP MICROPHONE

Coverage: 360°

Frequency Response:  
60 Hz - 14 kHz THD+N: < 0.08%  
(-45 dBu Input @ 1 kHz)

Sensitivity: -45 dBu

### INTERACT MIC EX - MICROPHONE

**DISTRIBUTION BOX**  
Connection: Female XLR Balanced  
Maximum Level: +18 dBu  
Frequency Response:  
20 Hz – 15 kHz THD + N: < 0.01%  
Phantom Power: 24 V @ 10 mA  
Impedance: 5 kΩ per Leg or 10 kΩ Balanced

### POWER SUPPLY

Primary Voltage: 100 to 240 VAC  
Auto-Sensing, 50-60 Hz  
Power Consumption: 32 W Maximum

### DIMENSIONS (W X D X H)

INTERACT AT Mixer: 17" x 7.5" x 2"  
(43.2 cm x 19.1 cm x 5.1 cm)

INTERACT MIC EX: 4.7" x 5.6" x 1.7"  
(11.9 cm x 14.3 cm x 4.4 cm)

INTERACT COM: 4.7" x 5.6" x 1.7"  
(11.9 cm x 14.3 cm x 4.4 cm)

INTERACT MIC: Diameter: 7" (17.8 cm)  
Height: 1.5" (3.8 cm)

### WEIGHT

INTERACT AT Mixer: 4.5 lbs. (2.25 kg)  
INTERACT MIC: 1.5 lbs. (0.75 kg)  
INTERACT MIC EX: 1.5 lbs. (0.75 kg)  
INTERACT COM: 1.5 lbs. (0.75 kg)

### COMPLIANCE

ROHS Compliant  
WEEE Compliant  
UL Safety Listed  
AES48-2005 AES Standard on Grounding and EMC Practice

### PART NUMBERS

Complete Room Solutions:  
Call ClearOne for complete listing of room options.

INTERACT AT: 910-154-010  
INTERACT COM: 910-154-030  
INTERACT MIC: 910-154-015  
INTERACT MIC EX: 910-154-020  
ClearOne Wall Speaker: 910-151-002-01  
ClearOne Ceiling Speaker: 910-151-001-01

## SALES AND INQUIRIES

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