

INTERACT™ | AT-OC

Lync Server 2010 Group Conferencing Solution

Add your conferencing room to the Lync Server Ecosystem with the INTERACT AT-OC. The INTERACT AT-OC is a complete room audio solution that connects to the Microsoft Lync 2010's PC with USB audio. It includes a tabletop dialer, an audio mixer, loudspeakers and microphones. Simply unpack the solution, plug in the microphones, connect the loudspeakers, add the PC and the room is ready for a Lync Server conference.



A CS-ENABLED
AUDIO
CONFERENCING
SOLUTION FOR
CONFERENCE ROOMS
UP TO 15 PEOPLE

APPLICATIONS

- + Use Collaboration capabilities in the group room
 - > Video conferencing
 - > Web conferencing
 - > Audio Conferencing
- + Enable Lync Server in group rooms
 - > Boardroom
 - > Training Center
 - > Executive Office

ADVANTAGES

- + Bring Lync Server Voice into the Conference Room
 - > Just add a PC to run the Lync Server
 - > The PC connects to INTERACT AT-OC via USB
- + Create Group Video Conferencing using Lync Server at a fraction of the cost
 - > Just add the PC, LCD and USB Camera to INTERACT AT-OC.
 - > HD capabilities with Lync Server
- + As easy to install as a Conferencing Phone
 - > Plug & Play
 - Connect Microphones to Mixer
 - Connect Speakers to Mixer
 - Connect Dialer to Mixer
 - Connect PC to USB Port
 - > No programming required
 - > Uses Desktop Lync 2010

> COMPONENTS

INTERACT AT MIXER

Provides advanced audio processing for superior sound quality.



INTERACT DIALER

Wired or wireless controller provides intuitive interface that emulates a telephone keypad.



INTERACT MIC

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



INTERACT COM Wired

Provides an interface to telephone sets via the headset port or to PC audio via a USB port. The Wireless Com provides the interface to a wireless controller.

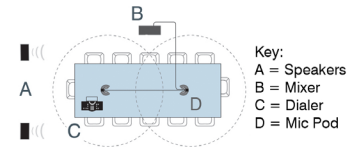


CLEARONE® LOUDSPEAKERS

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



Conferencing Setup



> 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 device 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: 50 Hz – 15 kHz (+/-3.5 dB)
Dynamic Range: > 80 dB
THD+N: < 0.50% @ 1 W

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: <0.3% 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, 56,700(default) 115,200
Protocol: 8 Bit, 1 Stop, No Parity
Hardware flow control on (default)/off

USB Configuration Port

USB 1.1 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
Maximum Number of INTERACT COM Device: 1 per INTERACT Mixer

Configuration Software

INTERACT Supports: Microsoft XP, Vista, and Windows 7

INTERACT COM

Versions:
Wired

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 DIALER

Functions: Dialing, Volume Control, Mute Control
Communications:
Wired Version: RS-232 connected to mixer

INTERACT MIC – Tabletop Microphone

Coverage: 360 Degrees
Frequency Response: 60 Hz- 14 kHz
THD+N: <0.08% (-45 dBu input @ 1 kHz)
Sensitivity: -45 dBu

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 DIALER:
10.5" x 4.5" x 2.75"
(26.7 cm x 11.4 cm x 6.9 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 lb. (2.2 kg)
INTERACT DIALER: 2.0 lb. (0.9 kg)
INTERACT MIC: 1.5 lb. (0.7 kg)
INTERACT COM: 1.5 lb. (0.7 kg)

Compliance

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

Part Number

930-154-002

> CLEARONE LOCATIONS

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