

RELEASE NOTES

INTERACT® PRO
INTERACT® 8i
INTERACT® AT
INTERACT® Software

CLEARONE DOCUMENT 800-154-000-02-RN
(REVISION 1.0) January, 2010.

INTERACT RELEASE NOTES

ClearOne announces a new product introduction of the Interact Pro conferencing mixers and Interact AT complete room solution. The release includes new products, firmware, and software. The section below describes key elements of the release.

Product Introduction:

- **INTERACT PRO:** The INTERACT PRO is a professional conferencing mixer with 8 AEC channels, 2 Line Inputs, and 8 Line Outputs. The mixer also includes an integrated telephone hybrid and three internal processing channels.
 - » **INTERACT 8i-** The INTERACT 8i is an expansion unit allowing an additional 8-AEC microphone channels to be added to the Interact Pro through an expansion line.
- **INTERACT AT:** The INTERACT AT is a complete room conference solution that includes all necessary audio components for conferencing. Multiple bundles are available to match various room applications. Main components of the solution include:
 - » **INTERACT AT mixer-** Audio conferencing mixer with integrated 9-AEC channels, 2 Line Input/Output, Telephone interface and integrated amplifier.
 - » **INTERACT MIC -** INTERACT MIC is a microphone pod with 3-elements providing a complete 360 degree coverage. Audio from Interact Mic is sent to mixer via single Cat 5 cable using a digital transport method. A total of 3-Interact Mic devices can be used with a single mixer.
 - » **INTERACT MIC EX -** INTERACT MIC EX is a microphone breakout device allowing up to three external microphone connection per unit. The INTERACT MIC EX has 3-XLR connectors and built in microphone pre-amp and phantom power for direct interface to any professional microphone. A total of 3-INTERACT MIC EX devices can be used with a single mixer.

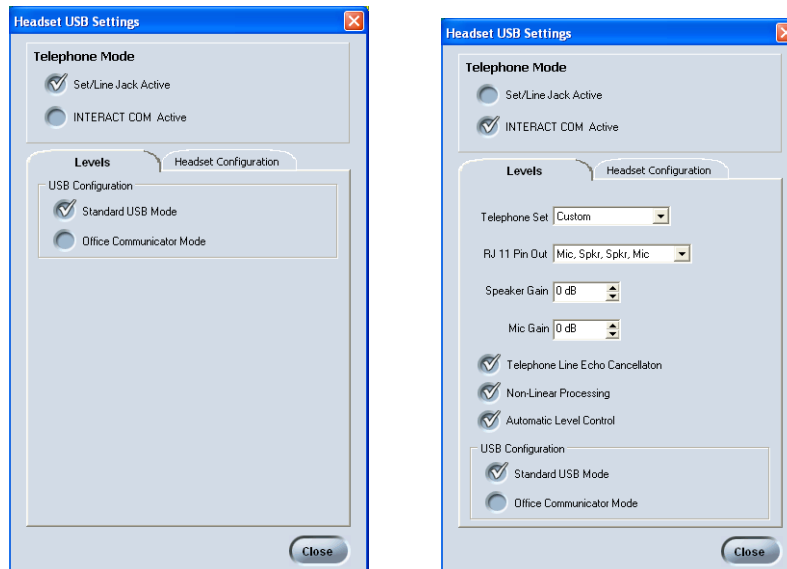
Note: The total number of microphone devices supported by the INTERACT AT mixer is three. It can be any combination of INTERACT MIC or INTERACT MIC EX devices

- **INTERACT COM:** The INTERACT COM is an audio interface device that can be used with either the INTERACT AT or INTERACT PRO systems. The device provides interfaces for USB audio and Headset Audio associated with Enterprise Telephone sets. Additional features include a GPIO port and optional Wireless base station for use with Dialer.
- **INTERACT DIALER:** The INTERACT DIALER is a tabletop controller for complete control of the room audio. Includes both wired and wireless options.
- **INTERACT Software Application:** The INTERACT Software is a Windows based application for programming, configuration, and control of the INTERACT PRO and INTERACT AT systems.

Technical Considerations

• INTERACT AT

- » **AEC Reference:** The INTERACT AT automatically generate the AEC reference based upon user identification of the amplifier channel used within the room. If a user drag and drops an amplifier device on the Line Output or Record channel that software will automatically use this as a reference. This also disables the internal amplifier on the mixer.
- » **Telephone Mode:** The INTERACT AT has a telephone mode that is available when used with the INTERACT COM device. This mode allow the user to select either activate the Telephone Set/Line Jack or the INTERACT COM. The INTERACT AT mixer processing only allows for either the Telephone Hybrid or the INTERACT COM headset audio to be active. The user cannot use the internal telephone hybrid and INTERACT COM headset audio at the same time.



• INTERACT PRO

- » **Stereo Echo Cancellation:** The INTERACT PRO and INTERACT 8i has a stereo echo cancellation mode. In this mode the user must configure two separate AEC reference channels that will be applied to all 16 microphone AEC blocks. The AEC reference should be representative of two independent speaker zones within the room. If the stereo AEC mode is used in a mono AEC application (single AEC Reference) overall duplex performance will be degraded.
- » **INTERACT 8i:** The INTERACT 8i RS-232 port on the back panel is for firmware loading only and not for connecting to AMX/Crestron control systems.

• INTERACT COM

- » **Headset Compatibility:** The INTERACT COM headset port has been tested with Cisco, Nortel, and Avaya enterprise telephone sets. A user can directly select the desired Telephone Set from the INTERACT Software or create their own configuration via the custom setting. The custom settings allow the user to set the RJ-9 Pinout configuration, coarse gain, and associated signal processing.
- » **USB PC Audio:** The USB audio gain controls within the INTERACT Software actually replicate from the PC Audio Control Mixer with Microsoft Windows. The user must select the INTERACT COM as the Sound/Voice Playback and Sound/Voice Record device in order to be used with the PC unified communication applications.
- » **GPIO Port:** The GPIO port on the INTERACT COM has the following signal layout:
 - Pin 1: Master Microphone Mute Control
 - Pin 2: Master Microphone Mute Status
 - Pin 3: On/Off Hook Control
 - Pin 4: On/Off Hook Status
 - Pin 5: 5 Vdc (up to 40 milliamps)
 - Pin 6: Ground
- » **Microsoft OCS Operation/Compatibility:** Microsoft OCS requires a specialized USB driver to interface with the Office Communicator client application. A configuration option is available with the Interact COM software setup. The

intended operation of the function is the user either selecting the OCS or Standard USB mode at time of installation. The function was not intended to be dynamic. If OCS mode is enable, the mode keys on the Interact Dialer are activated. This allow the user to either establish a normal telephone call or an OCS call from the dial pad.

Known Issues at release

- **USB Audio Drivers for INTERACT PRO and INTERACT AT mixers**
 - » **Windows XP Versions of Japanese and German:** A compatibility problem exists with the INTERACT USB driver for the mixers that renders the use as inoperable when used with the Japanese and German versions of Windows XP (all service packs). Recommendation is to connect to mixer via Ethernet or RS-232 with the INTERACT Software for configuration.
 - » **Window Vista and Windows 7 64-Bit Machines:** Currently, the 64-Bit USB Drivers for the INTERACT mixers are not fully functional and have been excluded from the Interact software installation package. These drivers will be released in a future update. Recommendation is to connect to mixers via Ethernet or RS-232 with INTERACT Software if used with a 64-bit PC.

- **Processing Channel and System Checks:** On the INTERACT PRO the user has the ability to set the volume controls on the tabletop controller to either a processing channel or line output channel. If the volume controls are set to a processing channel, the system checks on the microphones will return as a failure. This will be corrected on future release.