

APPLICATION NOTES

PRODUCTS SUPPORTED:

ClearOne INTERACT® COM or COM-W, MITEL® 5330 IP PHONE

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USING THE CLEARONE INTERACT COM OR COM-W WITH THE MITEL 5330 IP PHONE

Overview

The document will describe the INTERACT COM or COM-W settings and the custom cable required to use the INTERACT COM or COM-W with the Mitel 5330 IP Phone.

The INTERACT COM and COM-W units each have a headset port which allows connectivity to the headset port of enterprise phones. When setting up the INTERACT COM or COM-W a ClearOne predefined enterprise phone can be selected, or if the desired phone is not in the predefined list, then a custom option can be selected. The Mitel 5330 IP Phone is not in the predefined list and must set up with the INTERACT Software.

This document contains software setup procedures for both the INTERACT Pro, INTERACT AT and connecting the COM or COM-W using a required custom cable.

Software Setup Procedure for the INTERACT Pro:

- 1. Link the INTERACT COM or COM-W to the INTERACT Pro. (Refer to the INTERACT manual for assistance linking the devices.)
- 2. With INTERACT Software, connect to the INTERACT Pro.
- 3. On the main screen click on the **COM Setting** icon.



- 4. In the COM Settings Screen, select the Configuration tab (see Figure 1, below).
 - Set the Telephone Set to Custom.
 - Set the RJ 11 Pin Out to Mic, Spkr, Spkr, Mic.
 - Set the Course Speaker Gain to 0 dB.
 - Set the Course Mic Gain to 0 dB.

COM Settings
Level Configuration
USB Configuration
Standard USB Mode
Office Communicator /Lync Mode
Headset Configuration
Telephone Set Custom
RJ 11 Pin Out Mic, Spkr, Spkr, Mic
Coarse Speaker Gain 0 dB 🚖
Coarse Mic Gain 0 dB
Matrix Meter PC
USB RX Gain Mute
Headset TX NOM Mute Gain LEG REF Coarse Audio Transformer
Matrix Miter Meter Gain Allo Allo LEC Coarse WWW Headate Jack
Headset RX - Audio Transformer



- 5. In the COM Settings screen, select the Level tab.
 - For the **Headset Rx**, turn on the **LEC** and **NLP**. Other settings can be turned on or off depending on the user preference. (See Figure 2.)



Figure 2.

6. Configuration of the INTERACT COM or COM-W is now complete. Close the **COM Settings** screen.

Software Setup Procedure for the INTERACT AT:

- 1. Link the INTERACT COM or COM-W to the INTERACT AT. (Refer to the INTERACT manual for assistance linking the devices.)
- 2. With INTERACT Software, connect to the INTERACT AT.
- 3. On the main screen click on the COM Setting icon location D.



- 4. Set the Telephone Mode to INTERACT COM Active
- 5. Select the Headset Configuration tab
- 6. Set the Telephone Set to Custom
- 7. Set the RJ 11 Pin Out to Mic, Spkr, Spkr, Mic
- 8. Set the Course Speaker Gain to 0 dB
- 9. Set the Course Mic Gain to 0 dB
- 10. Turn on the Telephone Line Echo Cancellation
- 11. Turn on **Non-Linear Processing**. Other settings can be turned on or off depending on the user preference. (See Figure 3.)

Hea	idset USB Settings	
	Telephone Mode	
	Set/Line Jack Active	
	INTERACT COM Active	
	Levels Headset Configuration	
	Telephone Set Custom	
	RJ 11 Pin Out Mic, Spkr, Spkr, Mic 💌	
	Speaker Gain 0 dB 💂	
	Mic Gain 0 dB 💂	
	🚿 Telephone Line Echo Cancellaton	
	🚿 Non-Linear Processing	
	X Automatic Level Control	
	USB Configuration	
	Standard USB Mode	
	Office Communicator/Lync Mode	
	Close	

Figure 3.

12. Configuration of the INTERACT COM or COM-W is now complete. Close the **COM Settings** screen.

Connecting the INTERACT COM or COM-W to the Mitel 5330 IP Phone:

The Mitel 5330 IP Phone must detect a headset to use headset mode. To do this, it must detect an impedance between pins 1 and 4 on the headset jack, which the INTERACT COM or COM-W does not have. The cable connecting the INTERACT COM or COM-W to the Mitel 5330 IP Phone must be modified to apply this impedance. This requires placing a $1.2k\Omega$, $\frac{1}{2}$ Watt resistor between pins 1 and 4. (See Figure 4.)



Figure 4.

Connect the modified cable to the INTERACT COM or COM-W's **headset** port and the **headset** port on the Mitel 5330 IP Phone.

Note: Do NOT connect to the handset port on the Mitel 5330 IP Phone.

Now you can use all the dialing features of the Mitel 5330 IP Phone in the group conferencing environment.

CLEARONE LOCATIONS

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