Crestron® IP Intercom

1 Introduction

The Crestron® Intercom facilitates voice communication between TPMC touchpanels as well as between TPMC and TPS touchpanels. A Crestron control system is required to use the Intercom. When used with TPS touchpanels, a Barix Audio Interface is also required.

In the included SIMPL™ Windows® demo program, TPS line level audio routing is accomplished using an Intercom Audio Distribution System (C2N-IADS). The Barix Annuncicom 100-CS Audio Interface is used to manage the distribution of line level audio via Ethernet.

Use the demo program to see how to program your system. You do not have to have the whole system shown in the demo. You can use the Intercom with two panels or with many panels.

2 Hardware Hookup

NOTE: Each Barix Audio Interface will allow only one connection from a TPMC to a TPS/C2N-IIF. Your system design and requirements will determine how many Barix boxes you need. Each Barix supports only one concurrent session at a time.

Make connections per the diagram to the right. This diagram is for the demo program but for simplicity, not all panels in the program are shown.

NOTE: Cresnet® and Ethernet connections from TPS and IIF devices are intentionally not shown in this diagram.

NOTE: If you are using a Barix, Creston recommends using DHCP the first time the Barix is configured. You can also contact Barix regarding their IPzator™ feature.
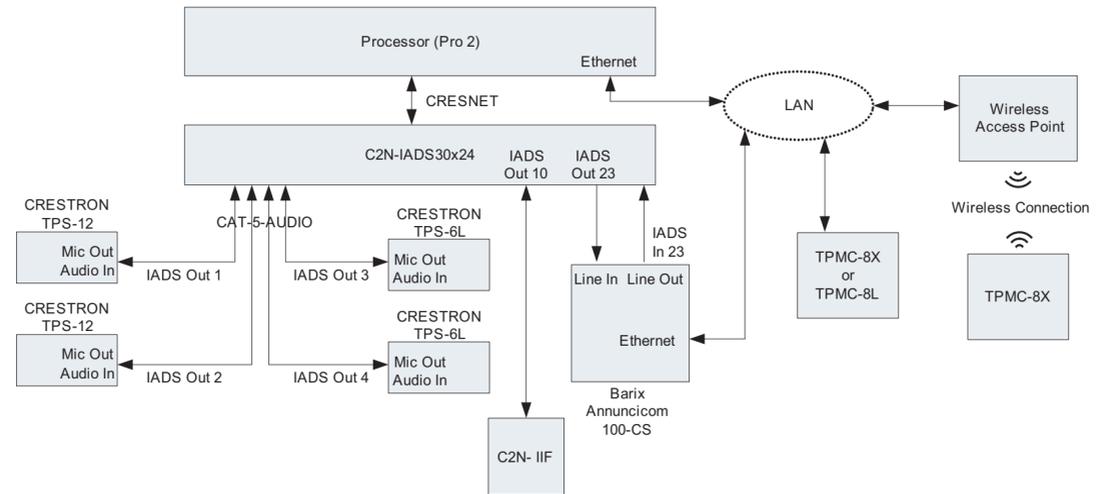
3 Programming

A. Enter Barix IP Address in Browser

At boot up, the Barix will "speak" its IP address via its line audio output. Enter this address into your web browser to go to the Barix web page for your unit.
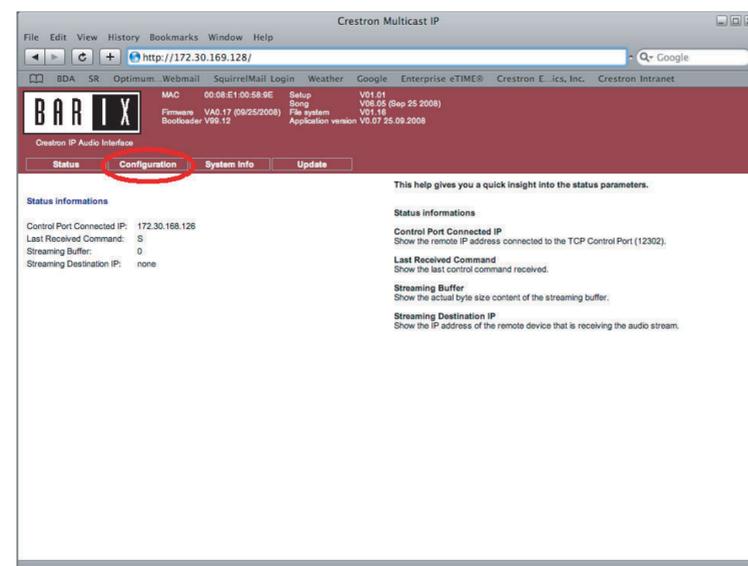
B. Configure the Barix

Click on the *Configuration* tab and enter your information in the boxes provided. When all your information has been entered, click **Apply**. The Barix will reboot.
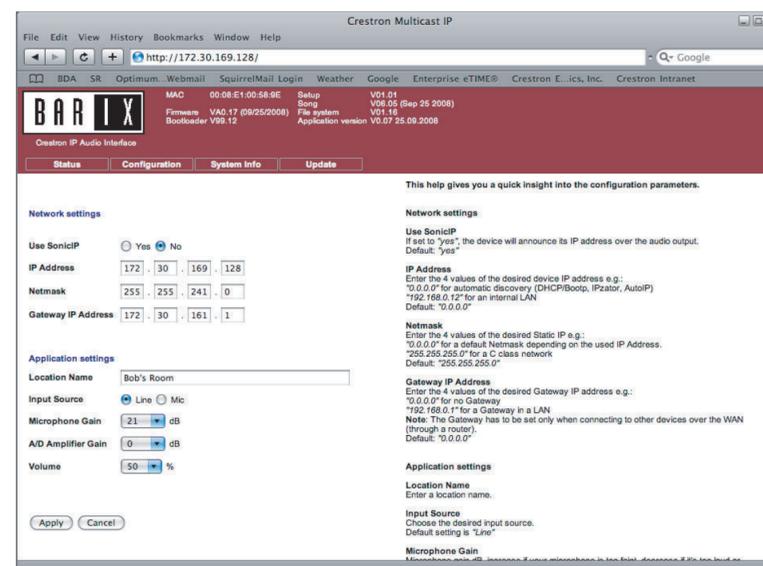
C. Enter Barix IP Address

The demo program contains a default IP table. When loading the system, be sure to load the Default IP Table when prompted by Crestron Toolbox™.

From the Configuration Manager of the SIMPL Windows program, enter the IP address for the TCP/IP client in the "Device Settings" window.
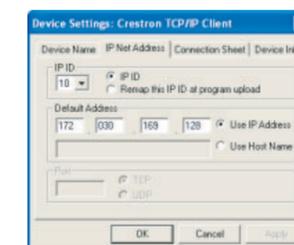
D. Enter Touchpanel IP ID and IP Address

Also, be sure to configure the IP tables on each of the touchpanels to point to the control system. The correct IP IDs are shown in the Release Notes that accompany the demo program. Refer to the Release Notes for details about touchpanel setup in SIMPL Windows.

E. Recompile and Load Program

When all IP IDs and addresses have been set, recompile the demo program and load it into your control system.

QUICKSTART DOC. 6742A (2022606) 10.08

www.crestron.com 888.273.7876 | 201.767.3400
©2008 Specifications subject to change without notice.

Crestron® IP Intercom

4 Operation

The demo program opens at the main screen where you can see the other locations and their availability for intercom communication. Any location in *Available* or *Privacy* mode can be called.

To the left of each location is a button to enable monitoring audio from that location. Locations in *Do Not Disturb* mode can not be called or monitored.

To place a call, from the main screen, touch the name of the location you wish to call. The call screen will appear and the "Connecting to" window shown in the next column will appear.

From the call screen, you can adjust *Touchpanel Speaker Level*. Touch **PUSH TO TALK** when speaking. Touch **END CALL** to end the call.

When you make a call, you will see a small "Connecting to" window superimposed on the call screen. Touch **CANCEL CALL** to cancel the call. This window will disappear when the called location responds.
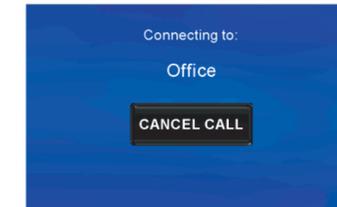
For incoming calls, the "Incoming Call From" window will appear on the screen. Press **ANSWER t**o speak with the caller or **CANCEL CALL** to ignore the call.
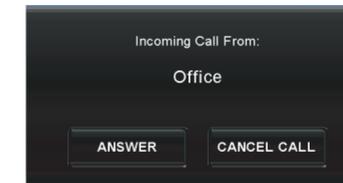
5 Configuration Options

Touch the **Options** icon in the upper right corner of the main screen to go to the options screen. Three modes of operation are available: *Available*, *Privacy* and *DND* (Do Not Disturb). Calls will not work to locations set to *DND*.

⚠ **NOTE:** Groups and PAGE ALL ROOMS are available only between TPS touchpanels.

Touch **Groups** on the options screen to go to the groups screen. After selecting a group number from the column at the left, you can select the locations you wish to be a part of thiis group. Use the **Page Group** button to address all the locations in the selected group.

Touch the radio icon in the upper left corner of the main screen to go to the setup screen.

This screen provides *Touchpanel Mic Level* and *Touchpanel Speaker Level* controls. Refer to the Release Notes for touchpanel specific audio and microphone settings.

Crestron® IP Intercom

www.crestron.com   888.273.7876 | 201.767.3400

CRESTRON