
Using the Barix Annunicom 200-RAVA with Crestron Interfaces

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Summary

This document details how to configure a Barix Annunicom 200-RAVA to work with Crestron touch panels.

Configuration

Minimum Versions

The following minimum versions are required to use the Barix Annunicom 200-RAVA with Crestron touch panels.

Component	Version
Barix Annunicom 200-RAVA	2.12D
TSW Series Touch Screens	1.006.0032.003
Crestron Device Database	49.05.005

Barix Annunicom 200-RAVA Configuration

Step 1: Get the IP address of the Barix Annunicom 200-Rava

When you apply power to the Barix Annunicom 200-Rava, the device will announce its IP address. Note this address and enter it into your web browser. Once connected, you will see the devices web page.

Step 2: Navigate to “Basic Settings”

Configuring a Barix Annunicom 200-RAVA to work with a Rava group is done in “Configuration→Basic Settings.” This is found on the top bar of the web pages.

Step 3: Configure SIP Protocol Settings

Make the following changes on the “Basic Settings” page.

Peer to Peer

Make sure that the Annunicom 200 has “Yes” selected for the “Peer to Peer” setting.

SIP ID (username)

The field “SIP ID (username)” is used to set the Rava extension for the Annunicom 200. Set this field to the extension you would like for the Barix Annunicom. This field is equivalent to a standard extension for a touch panel or phone. Please only enter numbers in this field.

Note: All extensions must be unique to the system.

Step 4: Configure Outbound Call Settings

Input 0 Call ID

This instructs the device where to call when the contact is closed. When using with a Holovision 100 series panel, the button can be connected directly to “IN0” and “ground” on the Annunicom 200.

To call a single panel, set the Rava extension of the panel to which you like to call when the button is pressed. For details on setting the Rava extension, please the touch screen’s documentation.

SIP-RAVA™ CLIENT V2.12D(08 Apr 2013)

SIP Door Station

BASIC SETTINGS

Basic Settings
Advanced Settings

Apply Cancel

SIP PROTOCOL SETTINGS

Peer to Peer No Yes

SIP ID (username)

OUTBOUND CALL SETTINGS

Call on Device Inputs

Input 0 Call ID

Figure 1 – Basic Settings.

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Note: Automatic resolution may not work if the IP address range fall in 192.168.0.0. Please use another address range when using this solution. Address range 192.168.1.0 is recommended.

To call a Rava group and enter CALL : and the group name to which to call. For example, to call a group of panels called “FIRST” on the first floor of a residence enter CALL :FIRST in the field. Multiple groups can be specified by separating them with a comma. To call the groups first and second enter CALL :FIRST, SECOND in to this field.

NOTE: The Annunicom 200 is limited to calling a maximum of eight (8) panels in total per call. If more than eight panels are in a group or groups the first eight panels to respond to the request for call are serviced, any panels after the initial eight are ignored.

This limitation does not affect the Crestron panels in the installation. Groups of more than eight can be specified for those panels.

NOTE: The first call to or from the door station after applying power may not be completed successfully. Subsequent calls will function without issue.

Alternate Connection Method

The control system can be program when there is a need for the door station to call more than eight panels.

1. Connect the button from the door plate directly to the control system.
2. When the button is pressed, “ring” the panels required by triggering a sound to play using a reserved join.
3. Present the user with an “answer” button.
4. When the user presses the answer button, initiate a call from the panel to the Annunicom 200 using the extension you specified in “SIP ID (username)”.

NOTE: In some cases when using a TSW series panel, the Annunicom 200 auto-discovery may not work and it must be added using the SIPADDEXT command.

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Push-to-Talk Mode

Because door stations may be installed in noisy locations, Crestron recommends using push-to-talk mode. In this mode, the Annunicom 200 is set to full-duplex mode and always transmits audio. When the user presses the “talk” button, the audio from the Annunicom 200 is muted and the user’s audio is transmitted. This ensures that the panel side of the transmission is always heard.

Barix Annunicom 200-RAVA Audio Settings

Audio settings are made in the menu “Advanced Settings→Audio”.

Duplex Mode

To set the Barix Annunicom 200-RAVA to full duplex mode, set “Talk Mode” to FDX.

Audio Levels

The microphone gain can be adjusted on this screen if it is too soft or too loud at the touch panel.

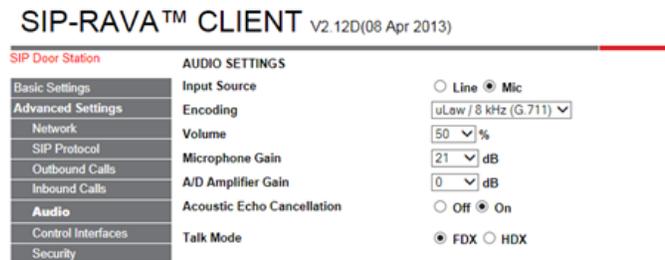


Figure 2 – Audio Settings.

Output volume can also be adjusted at this screen if the volume at the door station is too low.

Barix Annunicom 200-RAVA Outbound Call Settings

Change to the way the device handles outbound call are made in the menu “Advanced Settings→Outbound Calls”.

Auto Hangup Time

This value adjusts the amount of time before the Barix Annunicom 200-RAVA will try before cancelling a call.

NOTE: Do not set this value to zero (0), as the device will not issue a call cancel and subsequent calls may not be completed successfully.

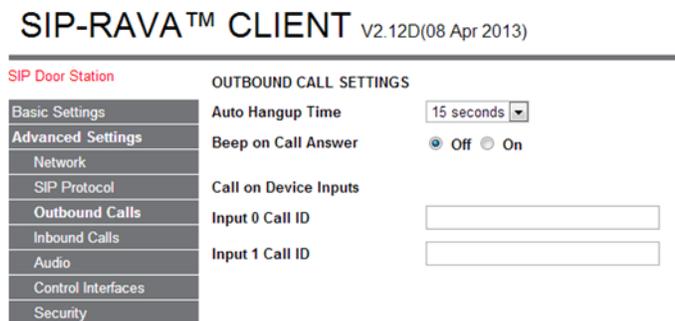


Figure 3 – Outbound call settings.

Crestron Touch Panel Configuration

Crestron panels also offer a “PTT Mode” reserve join for programmatically controlling the push-to-mode of the panel. When calling to or from an Annunicom 200, ensure that the “PTT Mode” join is high. When making panel-to-panel calls, the join may be low to allow full duplex communications.