

IPI 200 Series Setup Guide

IPI 200 Series Overview

The Extron® IPI 200 series are one-button (IPI 201) or four-button (IPI 204) IP intercom modules that are used to create an easy-to-use, two-way IP Intercom® system. Both the IPI 201 and the IPI 204 are available as 2-gang and Architectural Adapter Plate (AAP) models. They facilitate room-to-help-desk or room-to-room communication within a building, campus, or over a wider area, as long as the intercoms are connected to the same network. The IPI 201 can communicate with one other location; the IPI 204 can communicate with four other locations.

The rear panel provides captive screw connectors for contact relay and local audio output. The contact relay can be used to control a cabinet lock, lighting, or window coverings. The line level, balanced or unbalanced, audio output allows the intercom to be connected to a local sound system.

Each room in the Intercom system requires either an IPI 100 series with an MLC 226 IP MediaLink® Controller, or an IPI 200 series module. The IPI 200 series modules are stand-alone, IP-addressable units that do not require a MediaLink Controller for operation. Each unit has its own RJ-45 Ethernet connector and is powered independently. Consult with your IT department to ensure that IP addresses have been correctly allocated.

Also on the network, **there must be at least one PC that is running the IP Intercom HelpDesk™ software** to coordinate the Intercom system. The IP Intercom HelpDesk software, which is provided with the IPI 200 series intercoms, allows any PC on the network equipped with a microphone and speaker, or a headset, to become a help desk station. The software is also available for download from the Extron Web site (www.extron.com).

The IP Intercom HelpDesk software offers the following features:

- Works with IPI 200 Series IP Intercom stations to enable two-way communication with a classroom and aids rapid problem resolution.
- Sets up, accesses, and manages audio for IP Intercom modules.
- Pages one room or a group of rooms.
- Forwards calls automatically from a help desk that is busy to one that is available.

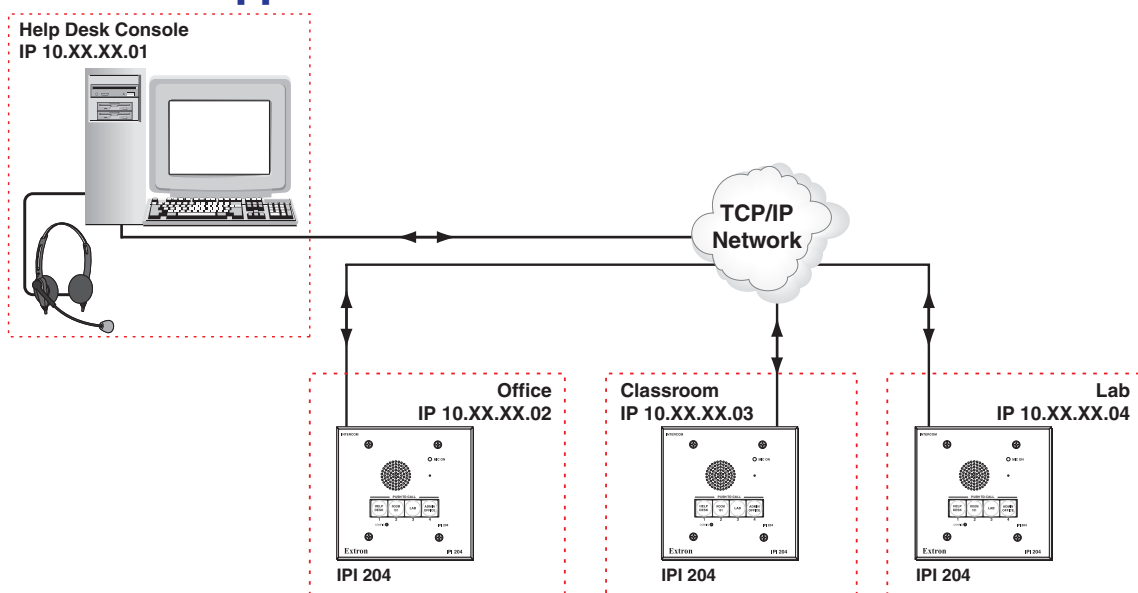
Network and IT administrators should use information from the following white papers, which can be found on the Extron Web site (www.extron.com), to ensure optimal network configuration and compatibility for the IP Intercom system:

- *IP Intercom Network Impact Statement*
- *IP Intercom Best Installation Practices*

Extron recommends that the IP Intercoms and the HelpDesk be on the same LAN with a static IP address and not be separated by a firewall. If the IP addresses are on different subnets, it is best to set up a dedicated VLAN. If a firewall is required, the following ports need to be open: UDP port 3121 (audio traffic), TCP telnet port 23 (control and status), UDP port 3122 (inter-helpdesk communication), and UDP ports 1230 and 1231 (auto discovery).



Typical IP Intercom Application



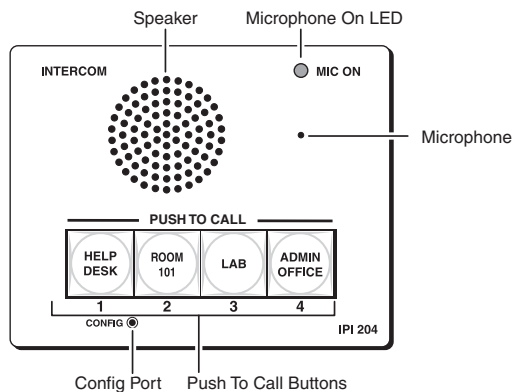
IPI 200 Series Setup Guide (Continued)

Installation

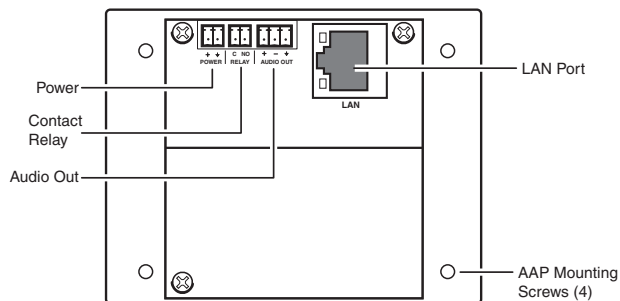
Before installing your IPI 200, read the following publications, which can be found on the Extron Web site (www.extron.com):

- *IPI 100 Series and IPI 200 Series User's Manual*
- *IP Intercom System Frequently Asked Questions*

CAUTION: Installation and service must be performed by authorized personnel only. These products must be used with UL approved grounded electrical boxes.



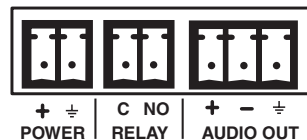
Extron IPI 204 AAP Intercom (front panel)



IPI 204 AAP, IPI 201 AAP (rear panel)

The front panel of the IPI 204 is shown above, at left. The front panel for the IPI 201 is similar but has only one button. The rear panels for both units are identical and are shown above, at right.

1. Determine which rooms will have IP Intercoms and HelpDesk PCs, and where in each room they will be located. Ensure there is a network connection for each intercom and each HelpDesk PC.
2. Connect the LAN port to the local network, using a standard network cable, with an RJ-45 connector.
3. Connect power, and, if required, contact relay and local audio output, using the rear panel captive screw connectors (see figure at right).
4. Test the equipment is working correctly before installing in the wall.
5. Mount each IPI 200 into furniture, an AAP wallplate, mounting bracket for 2-gang wallplates, or device faceplate. The AAP versions must be secured by attaching a clamp bracket to the back of the intercom after it has been inserted through the front of the AAP plate.
6. Ensure the HelpDesk PC(s) is connected to the network and power it on.
7. Install the Extron IP Intercom HelpDesk software from the disk supplied. It is also available for download from the Extron Web site (www.extron.com)
8. Use the IP Intercom HelpDesk software to configure parameters such as speaker level for all intercom units in the system. Full instructions can be found in the *IPI 100 Series and IPI 200 Series User's Manual* and also in the help file for the software.



When the front panel button(s) light a low amber color, the unit is correctly installed and configured. If the button(s) light red the unit is not correctly configured and you should check the *IPI 100 Series and IPI 200 Series User's Manual* or the help file for the software.

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