FIREWALL PORT CONFIGURTATION

The PBXact telephone system uses certain ports to perform various functions and requests. Please review the following ports and their respective purposes. While it is recommended that all of the listed ports are open and accessible, the only **required** port is 22/SSH for remote management.

Port Number/Range	Protocol	Purpose
22	TCP	SSH access
5060	UDP	Phone registration
10000-20000	UDP	Audio paths for conversations
2001	TCP	PBXact applications
69	UDP	Phone firmware upgrades
50001	TCP	XactView standard port
50003	TCP & UDP	XactView auto update
5222	TCP	Chat client
4569	UDP	Remote link

Purpose Reference

SSH access
Secure shell utilized for making changes, updates, and troubleshooting issues with a PBXact system. **Required.**

Phone registration
How PBXact telephones communicate with the PBXact system for initial setup and while initiating a phone call.

Audio paths for conversations
Each PBXact system will initiate an audio path for phone conversations. A random port within this range is selected for that purpose.

PBXact applications
The port that each PBXact phone uses for phone features and administration.

Phone firmware upgrades
The port the phone needs open in order to retrieve firmware updates.

XactView standard port
The primary port the XactView Desktop client uses to communicate with the PBXact system.

XactView auto update
The port XactView uses to automatically update itself.

Chat client
Primarily used by the XactView chat client. Required for using chat feature.

Remote link
Used for connecting two or more PBXact systems.

IMPORTANT
The PBXact system will from time to time initiate external connections for speech recognition or application updates. Sometimes these update requests are inspected by firewalls and may not return any information on the same connection.

It is very important that your router/firewall allows all outbound traffic from the PBXact system. Please disable any forms of packet inspection as this will affect the phone system's ability to properly receive updates, access speech ports, and perform license registrations.

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