

# Intercom Calling

## Intercom

You can use sipXconfig to configure phones to answer calls automatically (without user intervention). This functionality is referred to in sipXconfig as Intercom feature. Intercom is supported only for devices that can be configured to automatically answer incoming calls. The intercom call can be initiated from any phone.

## Configuration

To configure intercom create a group that contains all the phones for which you want intercom enabled. You can use the usual methods of adding phones to the group (Devices->Phones drop-down, Edit Phone screen).

Once you have all the phones added to a group, go to the Intercom configuration screen (Features->Intercom).

The screenshot shows the 'Intercom' configuration page. It has a dark blue header with the word 'Intercom'. The main content area is white and contains several configuration options: 'Enabled' with a checked checkbox, 'Groups' with a text input field containing 'polycom', 'Intercom prefix' with a text input field containing '\*76', and 'Ring time' with a text input field containing '5'. Below the 'Groups' field is a small text box explaining that it is a list of phone groups separated by spaces. Below the 'Intercom prefix' field is a small text box explaining that it is the prefix dialed before the extension. Below the 'Ring time' field is a small text box explaining that it is the ring time in seconds. There is an 'Apply' button at the bottom left. On the right side, there is a 'Quick Links' section with links for 'Phones' and 'Dial Plans', and an 'Existing Groups' section with a 'New Groups' sub-section explaining that new groups can be created by adding a new group name to the Groups form value. At the bottom right, there is a note stating that intercom is supported only for devices that can be configured to automatically answer incoming calls.

## Groups

You need to explicitly enable the intercom feature. The only parameter that you have to configure is the name of the group(s) that you want intercom functionality enabled for. If you have more than one such group use spaces to separate multiple group names. Group edit box has autocomplete functionality enabled - you only need to type the first character of the group name and select the name from the drop-down list.

## Intercom prefix

You can leave the default prefix (\*76) or configure a different prefix for intercom. Prefix is the way of distinguishing between a standard call and an intercom call. If you want to reach extension 200 and dial just 200 - the phone will ring normally. If you dial \*76200 instead your call will be automatically picked up by the phone.

## Ring time

You can decide how long the phone should ring before the call is picked up automatically by modifying the Ring setting. By default, phones will ring for 5 seconds before an intercom call is picked up automatically. Even if you configure 0 seconds Ring time, the phone will usually have an audible and visible signal that the call has been picked up automatically. In case of Polycom phones you can configure that using sipXconfig in the Advanced section of Sound Effects screen in phone configuration.

## Applying configuration

Once the Intercom configuration is applied you need to restart affected services and generate profiles for all the affected phones. Quick Links on the Intercom screen allow you to navigate to the required pages. The easiest way to reprovision the intercom phones is selecting intercom group name from the filter on the Devices->Phones screen and using "select all" checkbox before pressing the Generate Profiles button.

## Advanced

- Intercom is a phone feature and not a user feature. If a user has accounts (lines) on more than one phone, dialing the intercom prefix and the user's extension will fork the call to all those phones. However only the phones in intercom-enabled group will attempt automatic pick-up and of course only one of those phones will ultimately establish connection. Because of this, Intercom is not suitable for "shared" users.
- You can manually configure other phone types as Intercom phones if they support Alert-info header. Press Advanced Settings to display and optionally change the value of Alert-info parameter. sipXconfig will use that value when generating dial rule corresponding to configured Intercom prefix.
- If you have multiple sipXcom clusters and you wish to allow Intercom to work between them, ensure that the 'Alert Info' value is the same on both systems.

