



ADVANCED
NETWORK DEVICES

Registering a SIP Intercom in InformaCast

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Static Electric Warning



TROUBLESHOOTING AND ADDITIONAL RESOURCES

User Support: <https://www.anet.com/user-support/>
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OVERVIEW

AND devices registered to a SingleWire InformaCast server can easily be registered to the built-in SIP service. This allows for easy paging and intercom functionality between devices on your network, and use of InformaCast's DialCast service to trigger messages or scenarios.

REGISTERING TO SIP

1. Access the InformaCast web application.
2. Navigate to Recipients → IP Speakers.
3. Locate your device in the list.
 - If you cannot find your device in the list, please verify that it has been registered to InformaCast.
 - To set up DNS SRV records for InformaCast, follow [this SingleWire support page](#).
 - Alternatively, verify SLP functionality: Navigate to Admin → Settings → SLP, and verify that SLP is enabled and the SLP scope is set to "Berbee Applications"
 - Otherwise, define your InformaCast server manually on the device by accessing the web interface of the device and navigating to Device Settings → Servers and set the "Server Type" to InformaCast, then enter the following URL, replacing [IP] with the IP of your InformaCast Server:
➤ `http://[IP]:8081/InformaCast/admin?cmd=spkr`
4. Click on the name of your device to edit it.
5. Check the box to "Enable SIP Intercom" for this device:

← IP Speakers

IP Speaker Details

View/edit a registered and added IP speaker.

Basic Information

Name this IP speaker and set its basic configuration parameters.

Name
AND Device

Description
Description

MAC Address
2046f9102030 12 / 12

Volume
8

Scroll Speed Adjustment
As-Is

☒ Enable SIP Intercom

6. Enter your desired SIP settings for speaker dial number (SIP extension assigned to this device), dial number to dial (SIP extension this device will call when its input is actuated), and volume.
 - These settings can be set to whatever numeric values you wish. Note that the speaker dial number cannot be shared with another device on the network.
7. Save your changes to the device.
8. Reboot the device to allow it to pull updated configuration from InformaCast.
9. Verify SIP registration.
 - Navigate to the device's web interface, then go to the SIP Status tab. The bottom of this page reports current SIP registration status.

PLACING A SIP CALL

Once registered to InformaCast's SIP service, placing a call is as simple as activating the general purpose input (GPI) of the device. On AND devices with an RJ-11 connector on the board, this can be facilitated by our range of AND button kits available on anted.com. If your device supports two GPIs, only the first (GPIO0) is configured by InformaCast. If you would like to use the second general purpose input (GPIO1) to place a SIP call, this will need to be configured manually in a configuration file.

USING THE SECOND GENERAL PURPOSE INPUT

To connect a button kit or other input hardware to the second GPI instead of the first, configure the parameter "dn_loc" in a configuration file. This input configuration will utilize the DN to Dial extension configured within InformaCast when the second GPI is activated.

The required configuration lines are as follows:

```
<SIPConfig
  dn_loc="ptt2"
/>
```

To configure the use of the second GPI in addition to the first, it is recommended to use an Aggregate or Add configuration file to specify the extension to dial with the second input.

The required configuration lines are as follows:

```
<SIPConfig
  push_to_talk_ip2="1234"
/>
```

In this example, the 2nd GPI is designated to dial the number 1234.

To apply this configuration to your device, first access your InformaCast server with a FTP client like WinSCP or FileZilla. Navigate to `/data/d_[version]/usr/local/singlewire/InformaCast/web/resources/` and place the configuration file in this location, then reboot the device to allow it to grab the updated configuration.

USING INORMACAST DIALCAST

InformaCast's DialCast service enables the activation of notifications or initiation of scenarios by placing a SIP call. This functionality is very useful for triggering actions within InformaCast with the press of a button on an AND device.

1. Access the InformaCast web application.
2. Navigate to Notifications → DialCast → Dialing Configurations.
3. Click "Create Dialing Configuration" and choose either "Send a Notification" or "Initiate a Scenario"
4. Enter a name, dialing pattern (dial number), and associate an on-premises InformaCast server.
 - If you chose to send a notification, select the message template or template pattern to use. Recipients of the original message template or pattern are overridden by a dialing configuration, so indicate the recipients on this page as well.
 - If you chose to initiate a scenario, select the scenario to initiate and fill in any responses related to the scenario if applicable.
5. Save the dialing configuration.
6. Navigate to Recipients → IP Speakers.
7. Click on the name of the device you wish to activate this dialing configuration to edit it.
8. Assign the "DN to Dial" to the dialing pattern set in the dialing configuration.
 - Several devices can share the same DN to Dial.
9. Save the changes to the device.
10. Reboot the device to allow it to pull new configuration from InformaCast.
11. Activate the input of the device to trigger the dialing configuration.