

Grandstream Networks, Inc.

Zero Config Guide



Zero Config Guide

INTRODUCTION

Zero Config is Grandstream's solution to provision IP phones. Provisioning is the process of creating, sending, and parsing the configuration by the IP phones. Provisioning mechanisms make configuring a large number of IP phones easier and quicker. Instead of accessing the web UI of each IP phone and adding the configuration manually, the user can create templates on the IPPBX, then push the configuration to all the devices.

In this guide, we will explain what are the steps of provisioning and the different templates which can be created to manage the configuration of the IP Phones.

Zero Config is supported on the following Grandstream IPPBXs:

- **UCM6300 Series**
- **UCM6300 Audio Series**
- **SoftwareUCM**
- **GCC6000 Series**

These are the categories which can be configured:

- **Localization:** Includes settings regarding language, date and time setting such as format, timezone, daylight saving time, NTP server, etc...
- **Phone Settings:** Includes settings regarding call settings like dial plan, NAT traversal, and call-related tones, etc...
- **Contact List:** Includes settings LDAP integration and XML Phonebook.
- **Maintenance:** Includes setting for upgrade and provision, web access, SSH access, and Syslog.
- **Network Settings:** Includes settings such as QoS, SIP port, RTP port, etc...
- **Customization:** Includes customization-related settings like wallpaper customization.
- **Communication Settings:** Includes settings like SMTP server configuration and FTP server configuration.

CONCEPTS

Discovery

SIP endpoints are automatically discovered after boot up. Users could also manually discover devices by specifying the IP address or scanning the entire LAN network. Three methods are supported to scan the devices.

- PING
- ARP
- SIP Message (NOTIFY)

To start the discovery process:

1. Click on "Auto Discover" under **Device Management->Zero Config->Zero Config**.
2. Choose the "Scan Method" and enter the "Scan IP". The IP address segment will be automatically filled in based on the network mask detected on the UCM630x. If users need to scan the entire network segment, enter 255 (for example, 192.168.40.255) instead of a specific IP address.
3. Click on "Save" to start discovering the devices within the same network. To successfully discover the devices, "Zero Config" needs to be enabled on the **Device Management->Zero Config->Auto**

Provisioning Settings.

Auto Discover

The PBX can automatically discover new devices via ARP, PING or SIP Message by scanning the entire network segment or a single IP address.

Network Segment

192.168.6.0 - 192.168.6.255

Broadcast IP

192.168.6.255

Scan Method

Ping

Subnet Allowlist

Local Subnet Only

Scan IP

1921686

Scan all MACs

MAC OUI

Grandstream OUI

000B82

Grandstream

C074AD

Grandstream

EC74D7

Grandstream

Cancel

OK

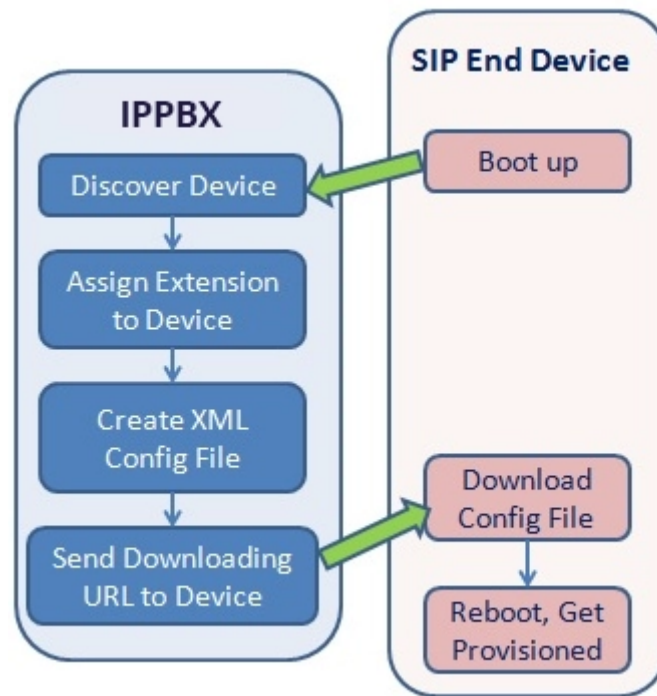
Auto discover

Provisioning

Zero Config provisioning mechanism uses TFTP/HTTP/HTTPS as protocols to send the configuration files to the IP phones.

The configuration files are written in XML, which makes the files easy for human-reading, and quick parsing by the devices. The user does not need to have any knowledge of XML to be able to create configuration files, since they can rely on the graphical web UI to do that.

By default, the Zero Config feature is enabled on the IPPBX for auto-provisioning. Three methods of auto-provisioning are used.



Zero Config

- SIP SUBSCRIBE

When the phone boots up, it sends out SUBSCRIBE to a multicast IP address in the LAN. The IPPBX discovers it and then sends a NOTIFY with the XML config file URL in the message body. The phone will then use the path to download the config file generated in the UCM630x/A and take the new configuration.

- DHCP OPTION 66

Route mode needs to be set to use this feature. When the phone restarts (by default DHCP Option 66 is turned on), it will send out a DHCP DISCOVER request. The UCM630x/A receives it and returns DHCP OFFER with the config server path URL in Option 66, for example, <https://192.168.2.1:8089/zccgi/>. The phone will then use the path to download the config file generated in the IPPBX.

CONFIGURATION

In this section, we will talk about the needed configuration to start provisioning the devices.

To find the Zero Config menu, please follow the path mentioned below, depending on the Grandstream IPPBX that you are using.

- For UCM6300/A Series and SoftwareUCM: Navigate to **Device Management > Zero Config**
- GCC6000 Series: Go to UC Endpoints module, then navigate to **Device Management > VoIP Devices**. For the provisioning configuration of the GCC6000 Series, please refer to the following guide:
<https://documentation.grandstream.com/knowledge-base/gcc6xxx-uc-endpoints-user-manual/>

Auto-Discovery

Auto-discovery mechanism lists all the IP phones in the network automatically. If no phones are listed or only some phones are displayed, it is recommended to run a scan using the SIP message method, see the screenshot below.

Auto Discover

The PBX can automatically discover new devices via ARP, PING or SIP Message by scanning the entire network segment or a single IP address.

Network Segment

192.168.6.0 - 192.168.6.255

Broadcast IP

192.168.6.255

Scan Method

SIP-Message

Subnet Allowlist

Local Subnet Only

Scan IP

192.168.6.255

Scan all MACs

Cancel

OK

Auto discover

In the screenshot above, we have picked SIP-message as the scan method, then set 192.168.6.255 as the scan IP address. This IP address is used for broadcast, therefore, the SIP message will be broadcasted to all the IP addresses in this range, to which the IP phones will reply and be discovered by the IPPBX.

Keeping "Scan all MACs" disabled will result in only the preconfigured OUI to be considered. Enable this option if you wish to scan devices which are not made by Grandstream, otherwise add the OUI of the manufacturer you want to appear in the list of discovered devices.

Scan IP ⓘ

192

168

6

255

Scan all MACs



MAC OUI ⓘ

Grandstream OUI

000B82

Grandstream



C074AD

Grandstream



EC74D7

Grandstream



144CFF

Grandstream



Add +

Cancel

OK

MAC OUI List

Templates

In this step, we will create the different templates and explain their differences, their priority, and the use case for each type of template and when to use it.

There are three types of templates which can be created and applied, Global Policy, Global Template, and Model Template.

When the same parameter is configured in different templates, the parameter of the template with the higher priority will apply instead. The priority of the templates is as follows: **Global Policy < Global Template < Model Template**. Also, note that the configuration made on the web UI of the devices will not be overwritten by configuration set on any template.

Global Policy

Global policy is a one and unique template of configuration that defines the general configurations for the IP phones which are provisioned by this IPPBX. This configuration template applies to all the IP phones regardless of their model and it defines the general configuration parameters rather than the specific parameters. E.g., it defines the timezone, the date and the hour, the language etc... Since these parameters are ubiquitous in all types of IP phones, then it makes sense to define them at this level.

While this template applies globally, it still has a lower priority in comparison with the other template levels. Therefore, any explicit configuration of a parameter that had been already configured at this level will be overwritten. E.g., if the administrator configures English as the language of the display of the IP phones on the global policy, then configures french as the display language of the IP phones at the level of a model template, that specific model will be configured with french as the display language instead of English, since the model template has a higher priority over the the global policy or the global template.

To edit the global policy, click navigate to **Global Policy** tab, then you can modify any of the parameters displayed.

Zero Config

Zero Config

Global Policy

Global Templates

Model Templates

Model Update

Firmware

Zero Config Settings

The Global Policy configuration will be applied to all devices. Specific model configurations, if any, will be applied on top of the Global Policy

Import

Export

> Localization

> Phone Settings

> Contact List

> Maintenance

> Network Settings

> Customization

> Communication Settings

Cancel

Save

Global Policy

Click save once the configuration is done to save the parameters changed.

Global Template

Global Template is similar to Global Policy, it offers the same parameters but the difference is that the user can create multiple templates and choose a default one to apply across all the devices.

To create a global template, go to **Global Templates** tab, then click "Add".

Zero Config > Create New Template

* Template Name

Global Template 1

Description

Active

☒

Cancel

Save

Create New Template

Enter the name of the template and the description the click save.

When "Save" is clicked, a new drop-down menu will appear where you can choose a category.

* Template Name

Description

Active ☒

Options ⓘ

- Localization
- Phone Settings
- Contact List
- Maintenance
- Network Settings
- Customization
- Communication Settings

Configure Template Options

Click on a certain category to open it, the options will be displayed as shown below.

Template Name

Global Template 1

Description

Active

☒

Options

Date and Time

Localization

Language Settings

Language

English

Date and Time

Date Format

yyyy-mm-dd

Time Format

12-hour Clock

Enable NTP

Disabled

NTP Server

NTP Update Interval

1440

Time Zone

GMT+08:00 (Beijing, Taipei, K...

Enable Daylight Saving Time

Disabled

Cancel

Save

Template Localization Settings

Model Template

This type of template is specific to each model, it contains parameters which are found on the WebGUI of the phone. This template has the highest priority compared to the other templates, therefore, any configuration made in this template will overwrite the configuration on the previous templates.

Follow the steps below to learn how to create and configure a model template.

1. Navigate to **Device Management > Zero Config > Model Templates**, then click "Add" button.

Zero Config

Zero Config

Global Policy

Global Templates

Model Templates

Model Update

Firmware

Zero Config Settings

Add

Delete

Import

Export

Toggle Selected Template Status

Copy Template

Model	Template Name	Description	Active	Is Default	Last Modified	Options
No data						

2. Select the model of the device.

Zero Config > Create New Template



* Model

GRANDSTREAM DP750

GRANDSTREAM DP752

GRANDSTREAM DP755

GRANDSTREAM GAC2500

GRANDSTREAM GAC2570

GRANDSTREAM GDS3702

GRANDSTREAM GDS3705

GRANDSTREAM GDS3710

* Template Name

Description

Default Model
Template

Active



Cancel

Save

Choose Template

3. If you can not find your device model, you need to download the template. To download the template, navigate to **Device Management > Zero Config > Model Update**
Once you find the template of your model, click on the download button to download it to the IPPBX.

Zero Config

Zero Config Global Policy Global Templates Model Templates **Model Update** Firmware Zero Config Settings

Vendor	Model	Source	Options
No data			

Upload Model Template Package

Choose Model Package
to Upload ⓘ

Choose File to Upload

Model Template Package List

All Vendor

All Model

Q GRP26

Vendor	Model	Version (Remote/Local)	Size	Options
Grandstream	GRP2601	1.5/1.3	113K	 
Grandstream	GRP2601P	1.8/-	113K	 
Grandstream	GRP2601W	1.4/1.2	113K	 
Grandstream	GRP2602	1.5/1.4	33K	 
Grandstream	GRP2602G	1.4/1.3	33K	 
Grandstream	GRP2602P	1.7/1.6	33K	 
Grandstream	GRP2602W	1.7/1.6	33K	 
Grandstream	GRP2603	1.5/1.4	37K	 
Grandstream	GRP2603P	1.7/1.6	37K	 
Grandstream	GRP2604	1.9/1.8	39K	 

Total: 28

<

1

2

3

>

10 / page

Goto

Download Model Template

- Once the template has been downloaded, it can be assigned to your devices in Model Templates.

Zero Config > Create New Template



* Model

GRANDSTREAM GRP2601P



If the model is not found, please go to
[\[Model Update > Model Template
Package List\]](#)
to download it first.

* Template Name

Description

Default Model
Template

☐

Active

☒

Cancel

Save

Create New Model Template

- Custom Settings

For the settings that can be configured through P-values, the administrator can add these configuration to the template by creating new custom parameters as shown in the screenshot below.



* Model

GRANDSTREAM GRP2601

If the model is not found, please go to

[【Model Update > Model Template Package List】](#)

to download it first.

* Template Name

GRP2601

Description

Default Model Template

☐

Active

☒

Options

Custom Parameters

Custom Parameters

Please enter P-values into the Name fields. Example: To configure Language to English, enter "P1362" into the Name field and "en_US" into the Value field.

Name

Description

+ Add New Field

Cancel

Save

Configure Custom Parameters

Template Export/Import

The user can import and export Global Templates and Model Templates which have been created on the UCM. We'll use Global Templates as an example to demonstrate the import/export feature.

Only csv and xlsx are supported for the files imported/exported.

Template File Import

1. Click on "Import" button on the page, then choose the file of the template.

Zero Config

Zero Config

Global Policy

Global Templates

Model Templates

Model Update

Firmware

Zero Config Settings

Add

Delete

Import

Export

Toggle Selected Template Status

Copy Template

☐	Template Name	Description	Active	Last Modified	Options
☐	Global Template 1	--	Yes	2026-03-30 17:17:22	

Total: 1

<

1

>

10 / page

Goto

- Once the file has been chosen, click on "Upload".

X

Import

ⓘ If imported, duplicate data will be updated. It is recommended that to start by using [Export](#) to create a base template or backup with the current settings.

Upload File ⓘ

export_zc_global_template (1).xlsx

📁

Cancel

Upload

Upload File

Template File Export

Click on "Export", then select the format of the file to export.

Zero Config

Zero Config
Global Policy
Global Templates
Model Templates
Model Update
Firmware
Zero Config Settings

Add
Delete
Import
Export ^
Toggle Selected Template Status
Copy Template

☐	Template Name	Version	Active	Last Modified	Options
☐	Global Template 1		Yes	2026-03-30 17:17:22	📄 🗑️

Total: 1

1

 >

10 / page

 Goto

Global Template Export

When the template is downloaded in XLSX, it can be opened in Microsoft Excel to view the parameters configured. Only the parameters which were enabled will appear in the file.

	A	B	C	D	E	F	G
1	"===== Template Info ====="						
2	id	name	model_id	description	enabled	is_default	last_modified
3	5	Global Template 1			1	0	2026-03-25 12:23:24
4							
5	##### Template Settings #####						
6	field_name	value	entity_name				
7	Dateformat	0	Choice				
8	EnableDaylightSavingTime	0	Choice				
9	EnableNTP	0	Choice				
10	Language	English	Choice				
11	NTPServer		DEFAULT				
12	NTPUpdateInterval	1440	DEFAULT				
13	TimeZone	TZY-8	Choice				
14	Timeformat	0	Choice				
15							
16	"===== Template Info ====="						
17	id	name	model_id	description	enabled	is_default	last_modified
18	7	Global Template 2			0	0	2026-04-20 12:29:21
19							
20	##### Template Settings #####						
21							
22							
23							
24							

Template Exported File XLSX Format

When the template is downloaded as a CSV file, the file can be opened using a text editor.

```

1  ""===== Template Info =====""
2  id,name,model_id,description,enabled,is_default,last_modified
3  5,Global Template 1,,1,0,2026-03-25 12:23:24
4  ""
5  ##### Template Settings #####
6  field_name,value,entity_name
7  Dateformat,0,Choice
8  EnableDaylightSavingTime,0,Choice
9  EnableNTP,0,Choice
10 Language,English,Choice
11 NTPServer,,DEFAULT
12 NTPUpdateInterval,1440,DEFAULT
13 TimeZone,TZY-8,Choice
14 Timeformat,0,Choice
15 ""
16 ""===== Template Info =====""
17 id,name,model_id,description,enabled,is_default,last_modified
18 7,Global Template 2,,0,0,2026-04-20 12:29:21
19 ""
20 ##### Template Settings #####
21 ""
22

```

Template Exported File CSV Format

Each template starts at the following string""===== Template Info ====="" in this section, the user can

enter the name of the template, select if it is active, and if it is the default template etc...

The settings are included under the following string ##### Template Settings ##### , in between quotation marks, the related template settings are included.

Device Configuration

The administrator can also provision individual devices from the IPPBX by entering the configuration page of the device on Zero Config and pushing the configuration to the device. Please follow the steps below.

1. Click on "edit" button of the device you wish to edit.

Zero Config

[Zero Config](#) [Global Policy](#) [Global Templates](#) [Model Templates](#) [Model Update](#) [Firmware](#) [Zero Config Settings](#)

Total: 112 Registered: 0 Unregistered: 112

All

All Model

All Vendor

Auto Discover

Add

Delete

Edit

Upgrade

Update Config

Reboot

More

☐	No.	Model	Extension	Vendor	MAC Add...	IP Address	Version	Create Config	Options
☐	1	GXP2140	--	Grandstream	000B825C5...	192.168.6.136	1.0.11.103	--	
☐	2	GXP2140	--	Grandstream	000B825C5...	192.168.6.95	14.0.11.103	--	
☐	3	GXP2130	--	Grandstream	000B82625...	192.168.6.191	1.0.11.79 ↑	--	
☐	4	GXP2130	--	Grandstream	000B8273C...	192.168.6.45	1.0.11.103	--	
☐	5	GXP2130	--	Grandstream	000B8273C...	192.168.6.190	1.0.11.93 ↑	--	
☐	6	GXP2130	--	Grandstream	000B8273C...	192.168.6.197	1.0.11.79 ↑	--	
☐	7	GXP2130	--	Grandstream	000B8273C...	192.168.6.187	1.0.11.103	--	
☐	8	GVC3200	--	Grandstream	000B827EA...	192.168.6.93	1.0.3.64	--	
☐	9	GXP1628	--	Grandstream	000B827EB...	192.168.6.100	10.0.7.80	--	

Total: 112

< 1 2 3 4 >

 30 / page

Goto

Zero Config

2. Click on "Advanced Settings" then click on "Modify Custom Settings".



* Model

GRANDSTREAM GXP2140

ⓘ If the model is not found, please go to
[Model Update > Model Template
Package List]
to download it first.

* MAC Address ⓘ

000B825C59CD

IP Address ⓘ

192.168.6.136

Version ⓘ

1.0.11.103

Basic Settings

Advanced Settings

5 Custom Device Settings

Preview

Modify Custom Settings

Language: Language

English

4 Model Templates

☐ 0 Idle	☐ 0 Selected
Search	Search
None	None

Cancel

Update

Save

Edit Device

3. Enable the options to provision to the device.

Custom Parameters

① Please enter P-values into the Name fields. Example: To configure Language to English, enter "P1362" into the Name field and "en_US" into the Value field.

+ Add New Field

Phone Settings

☒	Dial Plan ①		{ x+ *x+ *xx*x+ }
☒	Enable Call Features ①		Yes ▾
☐	Use # as Dial Key ①		Yes ▾
☐	Auto Answer by Call-Info ①		No ▾
☐	NAT Traversal ①		Disabled ▾
☐	Use Random Port ①		No ▾
☐	Call Progress Tones		
	Ringtone ①		f1=440,f2=480,c=200/400;
	Dial Tone ①		f1=350,f2=440;
	Second Dial Tone ①		f1=350,f2=440;
	Message Waiting ①		f1=350,f2=440,c=10/10;
	Ring Back Tone ①		f1=440,f2=480,c=200/400;
	Call-waiting Tone ①		f1=440,f2=440,c=25/525;

Cancel

Save

Template Parameters

- Once the configuration has been made, click on "Save" to save the configuration.
- Click "Update" to push the configuration to the device.



* Model

GRANDSTREAM GXP2140



If the model is not found, please go to
[\[Model Update > Model Template
Package List\]](#)
to download it first.

* MAC Address ⓘ

000B825C59CD

IP Address ⓘ

192.168.6.136

Version ⓘ

1.0.11.103

Basic Settings

Advanced Settings

Accounts☐

Hot Desking

No

☐

Account 1

1000

☐

Account 2

1000

☐

Account 3

1000

☐

Account 4

1000

Cancel

Update

Save

*Device Configuration***- Modify Custom Settings**

To include custom parameters using P-value, click on "Advanced Settings" tab then click on "Modify Custom Settings".



* Model

GRANDSTREAM GXP2140

If the model is not found, please go to
[\[Model Update > Model Template
Package List\]](#)
to download it first.

* MAC Address ⓘ

000B825C59CD

IP Address ⓘ

192.168.6.136

Version ⓘ

1.0.11.103

Basic Settings

Advanced Settings

5 Custom Device Settings

Preview

Modify Custom Settings

Language: Language English

4 Model Templates

0

Idle

Search

Q

None

<

>

0

Selected

Search

Q

None

⌵

⬆

⬇

⬇

⬇

Cancel

Update

Save

Modify Custom Settings

Click on "Add New Field", then add the P-value in the name field, and in the field next to it enter the value to attribute to the P-value.



Model ⓘ	Grandstream GXP2140
MAC Address ⓘ	000B825C59CD
IP Address ⓘ	192.168.6.136
Version ⓘ	1.0.11.103

Custom Parameters

Custom Parameters

ⓘ Please enter P-values into the Name fields. Example: To configure Language to English, enter "P1362" into the Name field and "en_US" into the Value field.

Name

Description

+ Add New Field

> Phone Settings

> Phone

> Localization

> Contact List

> Maintenance

> Network Settings

> Customization

Cancel

Save

Add New Custom Parameter

Extension Assignment

Extension assignment can be done manually or dynamically. Follow the instructions in this section to learn how to assign the extensions either manually or dynamically.

Manual Configuration

To assign an extension manually, click on the edit button of the device, as shown in the screenshot below.

Zero Config

[Zero Config](#) [Global Policy](#) [Global Templates](#) [Model Templates](#) [Model Update](#) [Firmware](#) [Zero Config Settings](#)

Total: 93 ● Registered: 0 ● Unregistered: 93

Auto Discov...

All Model

All Vendor

Q Model / Extension Number / MAC Address / IP Ad...

[Auto Discover](#) [Add](#) [Delete](#) [Edit](#) [Upgrade](#) [Update Config](#) [Reboot](#) [More](#)

☐	No.	Model	Extension	Vendor	MAC Address	IP Address	Version	Create Config	Options
☐	1	 GSC3570	--	Grandstream	C074AD0CF654	192.168.6.16	1.0.7.10	--	    
☐	2	 GRP2602	--	Grandstream	C074AD30064B	192.168.6.214	1.0.7.32 ↑	--	    
☐	3	 GRP2603P	--	Grandstream	C074AD35E5E0	192.168.6.189	1.0.7.48	--	    
☐	4	 GRP2612P	--	Grandstream	C074AD65F2B2	192.168.6.26	10.0.13.115	--	    
☐	5	 GXW4216...	--	Grandstream	C074ADA1F1DC	192.168.6.46	1.0.33.3	--	    
☐	6	 GDS3725	--	Grandstream	EC74D7619D65	192.168.6.210	1.0.1.30	--	    
☐	7	 GSC3565	--	Grandstream	EC74D7F2D48A	192.168.6.69	1.0.0.11	--	    

Total: 7 1 > 250 / page Goto

Zero Config

From the list corresponding to the account that you wish to configure, select a specific extension.

Zero Config > Edit Device: C074AD30064B



Model

GRANDSTREAM GRP2602

If the model is not found, please go to [\[Model Update > Model Template Package List\]](#) to download it first.

MAC Address

C074AD30064B

IP Address

192.168.6.214

Version

1.0.7.32

[Basic Settings](#)
[Advanced Settings](#)

Accounts

☒	Account 1	1000 "Jane Don"
☐	Account 2	1000 "Jane Don"
☐	Account 3	1000 "Jane Don"
☐	Account 4	1000 "Jane Don"

Virtual Multi-Purpose Key Settings

☐	VMPK 1	None	Description	Value
--------------------------	--------	------	-------------	-------

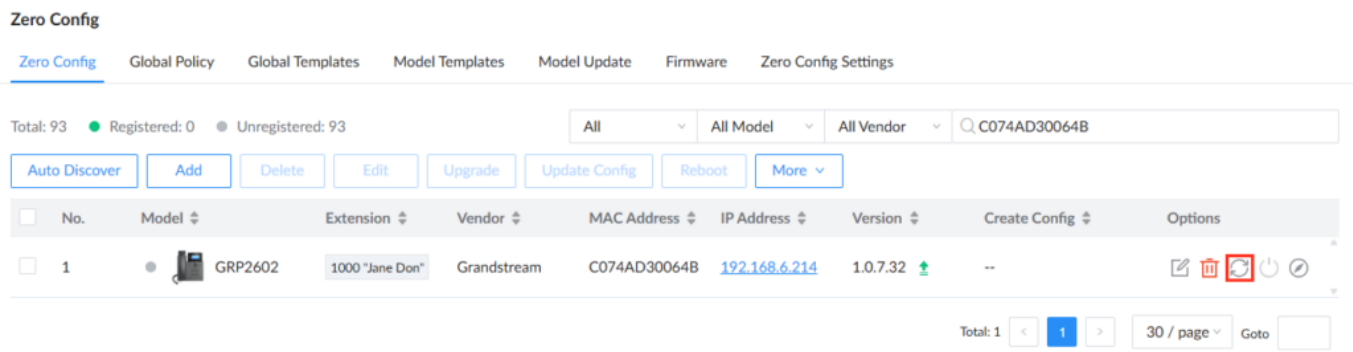
Cancel Update Save

Account Provisioning

Click "Save" then you will be redirected back to the page of the list of the devices. Click on the configuration synchronization button of the phone we have just configured, as shown in the screenshot below.

Zero Config supports multi-account configuration for Poly Edge B Series IP phones, allowing multiple SIP

accounts to be configured and managed through Zero Config on supported devices.



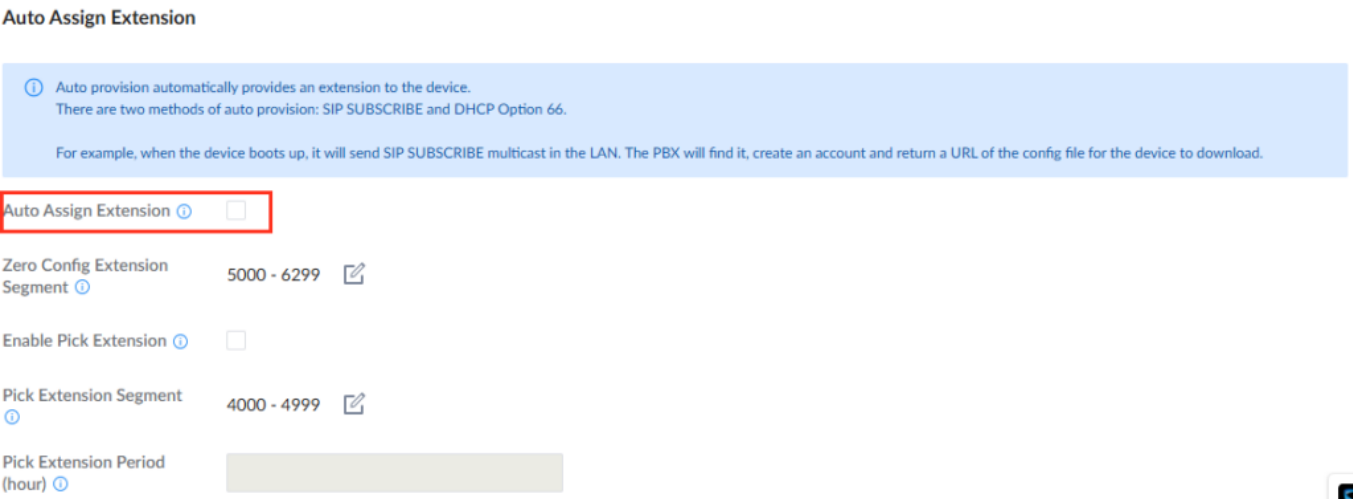
Zero Config Synchronize

The phone will be provisioned with the new extension configuration.

Zero Config supports Do Not Disturb (DND) and Conference features for Cisco IP phones, allowing these features to be configured and managed through Zero Config on supported devices.

Dynamic Configuration

To configure the IP phones with the extensions dynamically, we need to activate "Auto Assign Extension". To find this option, please navigate to **Zero Config > Zero Config Settings**



Auto assign Extension

Enabling this option only will result in assigning the extensions without giving the user to choose the extension number.

To allow the user to choose the extension number, activate "Enable Pick Extension", the user will then be prompted to pick an extension on the IP phone.

Device List Import/Export

- Export

To export the device list, click on the button "More", hover the mouse cursor on "Export", then choose to export the file in either xlsx or csv file format.

Zero Config

[Zero Config](#)

[Global Policy](#)

[Global Templates](#)

[Model Templates](#)

[Model Update](#)

[Firmware](#)

[Zero Config Settings](#)

Total: 116 ● Registered: 0 ● Unregistered: 116

All ▾

All Model ▾

All Vendor ▾

Q Model / Extension Num

☐	No.	Model	Extension	Vendor	MAC Address	IP Address	Version	Create Config
☐	1	 GXP2140	--	Grandstream	000B825C59C...	192.168.6.136	1.0.11.103	--
☐	2	 GXP2140	--	Grandstream	000B825C5B09	192.168.6.83	1.0.11.103	--
☐	3	 GXP2130	--	Grandstream	000B8262583D	192.168.6.191	1.0.11.79	--
☐	4	 GXP2130	--	Grandstream	000B8273C40A	192.168.6.45	1.0.11.103	--

More ^

Import

Export >

Res Export

Copy

XLSX File

CSV File

Device List ImportExport

If the list is exported in XLSX format, the user can view the list using Microsoft Excel.

	A	B	C	D	E	F	G
1	"===== Device Start ====="						
2	mac	model	ip	version	vendor	port	ad_method
3	000B825C59CD	GXP2140	192.168.6.136	1.0.11.103	Grandstream	56665	
4							
5	"===== Device Start ====="						
6	mac	model	ip	version	vendor	port	ad_method
7	000B825C5B09	GXP2140	192.168.6.83	1.0.11.103	Grandstream	15090	
8							
9	"===== Device Start ====="						
10	mac	model	ip	version	vendor	port	ad_method
11	000B8262583D	GXP2130	192.168.6.177	1.0.11.79	Grandstream	29444	
12							
13	"===== Device Start ====="						
14	mac	model	ip	version	vendor	port	ad_method
15	000B8273C40A	GXP2130	192.168.6.45	1.0.11.103	Grandstream	17361	
16							
17	"===== Device Start ====="						
18	mac	model	ip	version	vendor	port	ad_method
19	000B8273C553	GXP2130	192.168.6.190	1.0.11.93	Grandstream	12507	
20							
21	"===== Device Start ====="						
22	mac	model	ip	version	vendor	port	ad_method
23	000B8273C55A	GXP2130	192.168.6.183	1.0.11.106	Grandstream	32596	
24							
25	"===== Device Start ====="						
26	mac	model	ip	version	vendor	port	ad_method
27	000B8273C55E	GXP2130	192.168.6.187	1.0.11.103	Grandstream	18917	
28							
29	"===== Device Start ====="						
30	mac	model	ip	version	vendor	port	ad_method
31	000B827EA15A	GVC3200	192.168.6.93	1.0.3.64	Grandstream	5060	

If the list was exported using CSV format, the user can view the list using a text editor or Microsoft Excel.

```

1  """"===== Device Start =====""""
2  mac,model,ip,version,vendor,port,ad_method
3  000B825C59CD,GXP2140,192.168.6.136,1.0.11.103,Grandstream,56665,
4  ""
5  """"===== Device Start =====""""
6  mac,model,ip,version,vendor,port,ad_method
7  000B825C5B09,GXP2140,192.168.6.83,1.0.11.103,Grandstream,15090,
8  ""
9  """"===== Device Start =====""""
10 mac,model,ip,version,vendor,port,ad_method
11 000B8262583D,GXP2130,192.168.6.177,1.0.11.79,Grandstream,29444,
12 ""
13 """"===== Device Start =====""""
14 mac,model,ip,version,vendor,port,ad_method
15 000B8273C40A,GXP2130,192.168.6.45,1.0.11.103,Grandstream,17361,
16 ""
17 """"===== Device Start =====""""
18 mac,model,ip,version,vendor,port,ad_method
19 000B8273C553,GXP2130,192.168.6.190,1.0.11.93,Grandstream,12507,
20 ""
21 """"===== Device Start =====""""
22 mac,model,ip,version,vendor,port,ad_method
23 000B8273C55A,GXP2130,192.168.6.183,1.0.11.106,Grandstream,32596,
24 ""
25 """"===== Device Start =====""""
26 mac,model,ip,version,vendor,port,ad_method
27 000B8273C55E,GXP2130,192.168.6.187,1.0.11.103,Grandstream,18917,
28 ""
29 """"===== Device Start =====""""
30 mac,model,ip,version,vendor,port,ad_method
31 000B827EA15A,GVC3200,192.168.6.93,1.0.3.64,Grandstream,5060,
32 ""

```

Every device entry start with the line """"===== Device Start ====="""". The parameters which can be configured are Mac address, model, IP address, firmware version, vendor, and port.

The basic settings and advanced settings are included under ##### Basic Settings ##### and ***** Advanced Settings ***** .

- Import

To import a list of devices, click on "More", then select on Import.

Import

×

ⓘ

If imported, duplicate data will be updated. It is recommended that to start by using [Export](#) to create a base template or backup with the current settings.

For Devices With Duplicate MAC ⓘ

Skip

▼

Upload File ⓘ

Choose File to Upload



Cancel

Upload

Import Devices

In "For Devices With Duplicate MAC", choose the behaviour of the importing for the existing MAC addresses

- **Skip:** The existing devices will be skipped.
- **Replace:** The existing devices will be replaced.
- **Update:** The existing devices will be updated.

OEM Models

For OEM models made by Grandstream, the administrator can create the custom model templates based on Grandstream endpoint model. To do so, please follow the steps mentioned below.

1. Navigate to **Device Management > Zero Config > Model Update**
2. On the page, click on "Add OEM Models".

Zero Config

Zero Config Global Policy Global Templates Model Templates Model Update Firmware Zero Config Settings

Zero Config Version Information

Base Version ⓘ 9.0

OEM Models

Add OEM Models

Vendor	Model	Source	Options
No data			

Upload Model Template Package

Choose Model Package to Upload ⓘ

Choose File to Upload

Model Template Package List

All Vendor All Model Q Vendor / Model

Vendor	Model	Version (Remote/Local)	Size	Options
Grandstream	DP750	1.4/1.4	30K	⬆️ 🗑️
Grandstream	DP752	1.5/1.5	58K	⬆️ 🗑️
Grandstream	DP755	1.3/1.3	57K	⬆️ 🗑️
Grandstream	GAC2500	1.3/1.3	25K	⬆️ 🗑️
Grandstream	GAC2570	1.1/1.1	38K	⬆️ 🗑️
Grandstream	GDS3702	1.1/1.1	19K	⬆️ 🗑️
Grandstream	GDS3705	1.4/1.4	55K	⬆️ 🗑️
Grandstream	GDS3710	1.5/1.5	98K	⬆️ 🗑️

Model Update Add OEM Models

3. Define the parameters explained below.

OEM Models



ⓘ Use to reuse the exist model as an other name.

* Source Model ⓘ

* Destination Model ⓘ

* Destination Vendor ⓘ

Cancel

Save

Add OEM Model

- **Source Model:** Select the Grandstream model that the OEM is based on.
- **Destination Model:** Enter the name of the OEM model.
- **Destination Vendor:** Enter the vendor of the OEM model.

Once the OEM template has been created, the administrator can create model templates based on this OEM template.

ADDITIONAL FEATURES

Firmware

Zero Config provides a management feature for the different firmware versions of the IP phones, where the user can upload firmware files to maintain the software of all the devices up-to-date with the most recent features, bug fixes, and security patches.

Before looking at that feature, first let's look at the new firmware version detection that the IPPBX performs and prompts the user to install it on the corresponding devices.

When a new firmware version is released, a small green arrow will appear next to the firmware version of the device, indicating that upgrading a newer version is possible. The user can hover over that arrow to see the new version and the source of the firmware file.

In the example below, the source of the firmware file is GDMS Unified Communications platform.

Zero Config

Zero Config Global Policy Global Templates Model Templates Model Update Firmware Zero Config Settings

Total: 93 ● Registered: 0 ● Unregistered: 93

All All Model All Vendor

Auto Discover Add Delete Edit Upgrade Update Config Reboot More

No.	Model	Extension	Vendor	MAC Address	IP Address	Firmware Version	Options
1	GRP2602	1000 "Jane D..."	Grandstream	C074AD3006...	192.168.6.214	1.0.7.32 	    

Total: 1 1 30 / page Goto

Zero Config New Firmware Version Information

If a newer version of the firmware has been uploaded to the local storage of the IPPBX, it will appear as the source of the file. Uploading the firmware file to the local storage of the IPPBX will significantly reduce the use of bandwidth during the firmware update process, when many IP phones are deployed in the network.

Zero Config

Zero Config Global Policy Global Templates Model Templates Model Update Firmware Zero Config Settings

Total: 93 ● Registered: 0 ● Unregistered: 93

All All Model All Vendor

Auto Discover Add Delete Edit Upgrade Update Config Reboot More

No.	Model	Extension	Vendor	MAC Address	IP Address	Firmware Version	Options
1	GRP2602	1000 "Jane D..."	Grandstream	C074AD3006...	192.168.6.214	1.0.7.32 	    

Total: 1 1 30 / page Goto

Zero Config New Firmware Version

Batch Firmware Upgrade

Zero Config supports batch firmware upgrades for multiple devices using firmware files stored on the local IPPBX storage. This allows administrators to select multiple compatible devices and upgrade their firmware simultaneously, instead of upgrading each device individually.

When **Local** is selected from the **Upgrade** menu, Zero Config uses the firmware files available in the IPPBX's local storage and pushes the selected firmware to the selected devices.

The batch upgrade feature is particularly useful in deployments with a large number of IP phones, as it simplifies firmware maintenance and reduces the time required to upgrade devices individually.

Zero Config Supports managing and deploying devices such as IP phones, gateways, access control devices, meeting devices, webcams, etc.

Zero Config Global Policy Global Templates Model Templates Model Update Firmware Zero Config Settings

Manage 3rd-Party Enterprise Phones is not currently enabled. To configure, go to Zero Config Settings .

Total: 129 Registered: 0 Unregistered: 0 3rd-party enterprise devices do not support firmware upgrades.

Auto Discover Add Delete Edit Upgrade Push Config Reboot More

No.	Model	Ext	GDMS	Vendor	MAC Address	IP Address	Version	Create C
8	GXP2130	--	Local	Grandstream	000B8273C55E	192.168.6.187	1.0.11.103	--
9	GVC3200	--		Grandstream	000B827EA15A	192.168.6.93	1.0.3.64	--
10	GXP1628	--		Grandstream	000B827EBE21	192.168.6.97	1.0.7.81	2026-07-
11	GAC2500	--		Grandstream	000B8281A32D	192.168.6.66	1.0.3.49	--
12	GXP1630	--		Grandstream	000B8282C6B7	192.168.6.38	1.0.7.81	--
13	GXP2140	--		Grandstream	000B8283598A	192.168.6.31	1.0.11.106	2026-08-
14	GXP2140	--		Grandstream	000B828359A7	192.168.6.22	1.0.11.106	--
15	GXP2140	--		Grandstream	000B828359A8	192.168.6.19	1.0.11.106	--

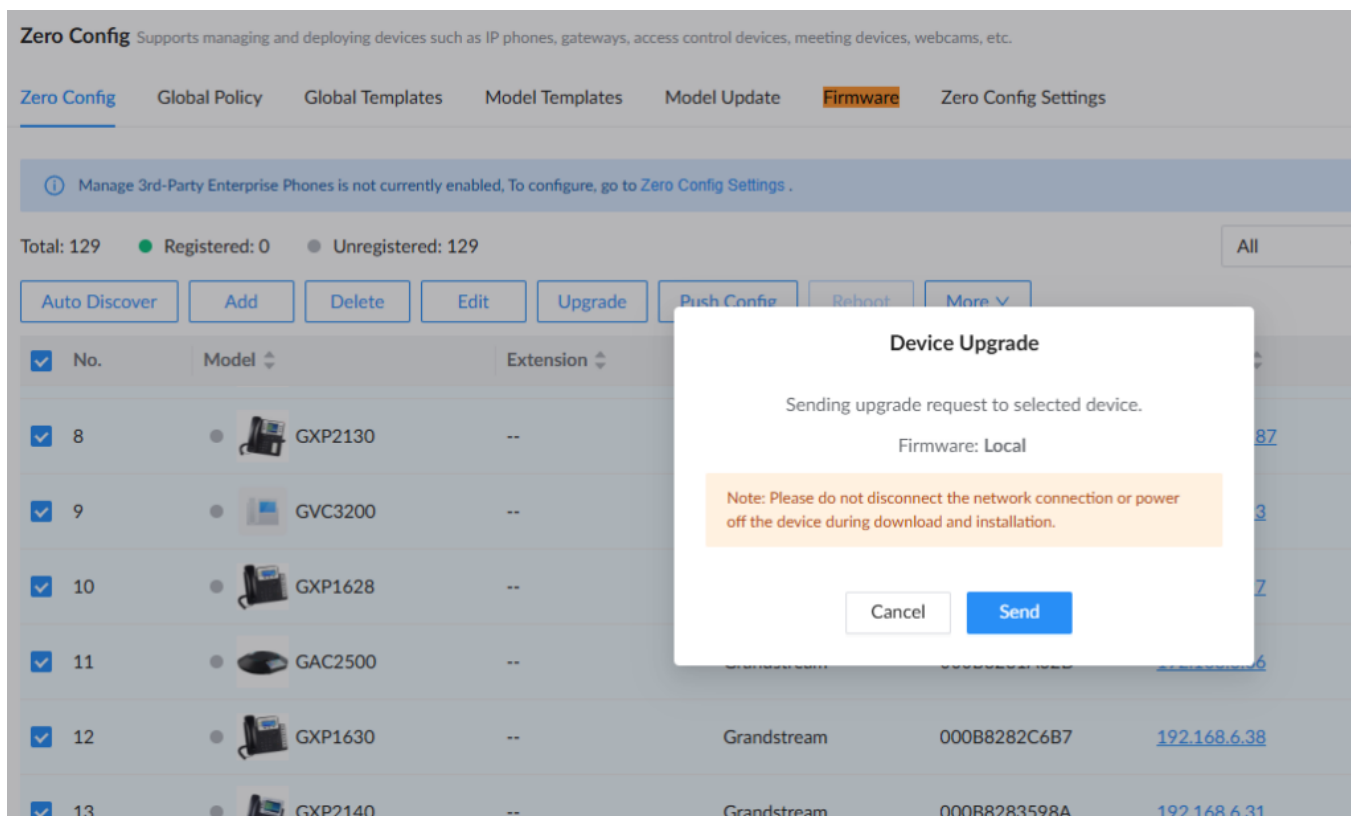
Total: 129 1 2

Batch Firmware Upgrade

Batch firmware upgrades are supported only for devices compatible with the selected firmware. 3rd-party enterprise phones do not support firmware upgrades through Zero Config. Devices may reboot automatically during the upgrade process.

When a local firmware upgrade is initiated, Zero Config sends the upgrade request to all selected devices. The confirmation window indicates that the **Local** firmware source will be used for the upgrade.

Once the upgrade request is sent, the devices download and install the firmware from the IPPBX. The devices should remain connected to the network and powered on throughout the process.



SUPPORTED ENDPOINTS

The table below lists the supported endpoint manufactured by Grandstream and other manufacturers.

Availability of specific models depends on whether the corresponding model template package is installed.

To manage 3rd-party IP Phones indicated in the table below, make sure to enable the option "Manage 3rd-Party Enterprise Phones". This option can be found under **Device Management > Zero Config > Zero Config Settings**

Vendor	Supported Device Series
Grandstream	GXP Series
	GRP Series
	GXV Series
	GHP Series
	GVC Series
	GAC Series
	GSC Series
	GDS Series
	GXW Series
	HT Series
	DP Series
	WP Series

Cisco	CP-78xx
	CP-88xx
	DP-98xx
	Cisco CP-6921
	Cisco CP-3905
Poly	Edge-E
	Edge-B
	VVX (non-OBi)
Avaya	J100 Series
Yealink	AX Series
	T4 Series
	T5 Series
	T7 Series
	T8 Series

*: Currently supported only on the UCM6300 Series, UCM6300 Audio Series, and SoftwareUCM.

***: Currently supported only on the UCM6300 Series, UCM6300 Audio Series, SoftwareUCM, and GCC6000 Series.
