

Connecting AudioCodes IP Phones to Teams SIP Gateway

Quick Guide

1. Introduction

This guide shows how to connect AudioCodes' IP phones to Teams SIP Gateway. It applies to these phones:

- ✓ 405HD (in Skype for Business or Generic SIP mode)
- ✓ 445HD (in Skype for Business or Generic SIP mode)
- ✓ 450HD (in Skype for Business or Generic SIP mode)
- ✓ C448HD in Teams mode
- ✓ C450HD in Teams mode



- AudioCodes recommends using the latter two phones as SIP Gateway rather than as Native Teams phones.
- See also [here](#).

2. Connect Phone to SIP Gateway using Device Manager

This section shows how to connect the phone to the SIP Gateway using AudioCodes' Device Manager.

To connect the phone(s) to the SIP Gateway using Device Manager:

1. In Device Manager, define the URL in the page shown in the figure below (**Setup > Settings > More**):

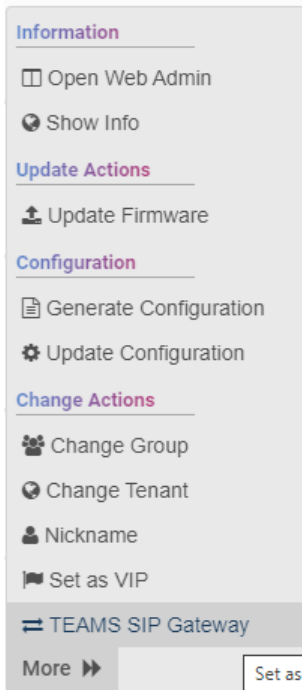
Define one of the following default SIP Gateway provisioning server URLs:

- EMEA: <http://emea.ipp.sdg.teams.microsoft.com>
- Americas: <http://noam.ipp.sdg.teams.microsoft.com>
- APAC: <http://apac.ipp.sdg.teams.microsoft.com>

The screenshot shows the Device Manager Setup Wizard interface. The left sidebar contains a navigation menu with categories like SETUP WIZARD, USERS & DEVICES, SETTINGS, CONFIGURATION, FIRMWARE, IMPORT / EXPORT, and SYSTEM. The 'SETTINGS' category is expanded, showing sub-sections: System Settings, Zero Touch Mapping, and DHCP Options Configuration. The main content area is titled 'MICROSOFT TEAMS SIP GATEWAY URL' and contains a 'URL' field with the value 'http://emea.ipp.sdg.teams.microsoft.com'. Above this field, there is a 'MICROSOFT TEAMS SIP GATEWAY URL' section with a 'URL' field and a 'Save' button. Below this, there is an 'ADVANCED SYSTEM SETTINGS' section with links for 'LDAP Configuration', 'SBC Proxy Configuration', and 'Default Placeholders Values'. A 'Save All Settings' button is located at the bottom right of the page.

2. Click **Save All Settings**.

3. In the Devices Status page (**Monitor > Devices Status**), click the **Actions** menu adjacent to the device.



4. Select the **TEAMS SIP Gateway** option.

Add to TEAMS SIP Gateway

This action will generate new configuration files

You can configure the SIP Gateway URL below:

MICROSOFT TEAMS SIP GATEWAY URL

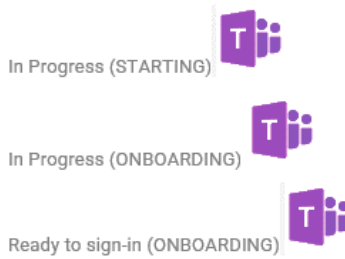
Region:

Language:

URL:

5. [Optionally] From the 'Region' drop-down, change the default (set in 'System Settings'); the URL changes accordingly.

- [Optionally] From the 'Language' drop-down, change the default language (set in 'System Settings'); the URL changes accordingly.
- Click **Yes**; the phone reboots and switches to SIP Gateway. In the Devices Status page, adjacent to the phone, optionally follow the process indications:



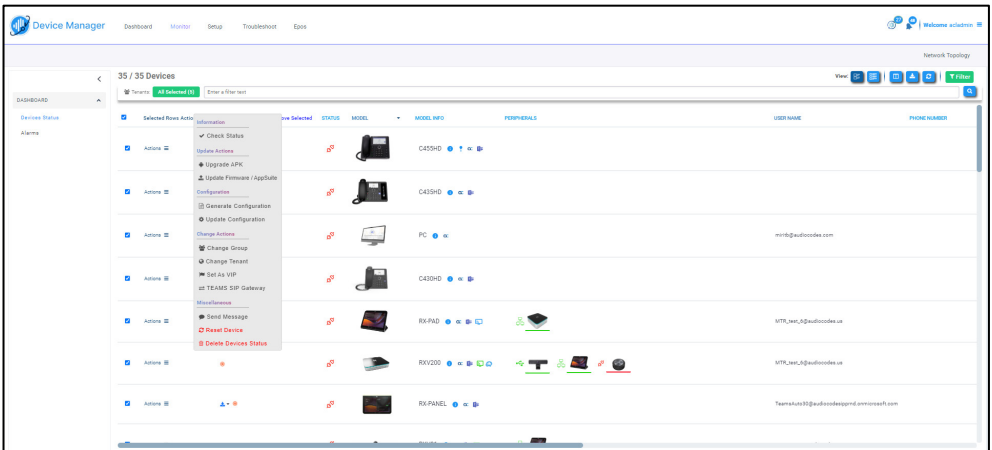
You've successfully connected the phone to Microsoft's SIP Gateway.

3. Connect Multiple Phones Simultaneously to SIP Gateway using Device Manager

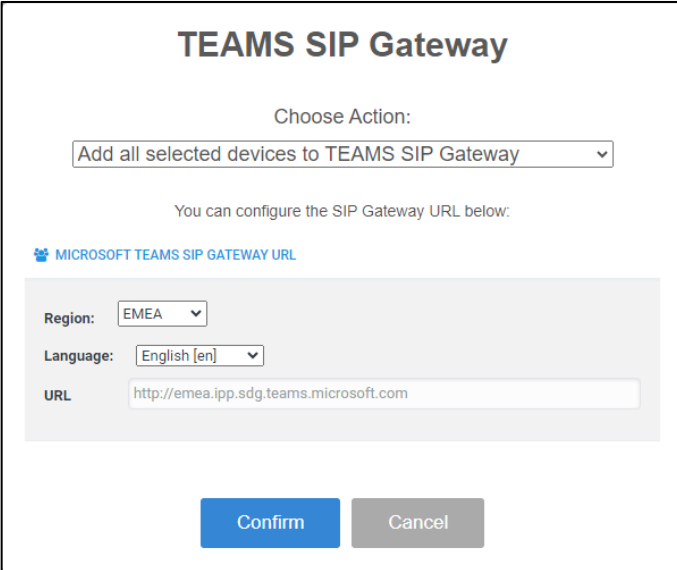
Admin can *simultaneously connect multiple* phones to the SIP Gateway using Device Manager.

To connect multiple phones to SIP Gateway using Device Manager:

- In the Devices Status page, select multiple devices and then click **Selected Rows Action**.



- From the popup menu, select the **TEAMS SIP Gateway** option.



TEAMS SIP Gateway

Choose Action:

Add all selected devices to TEAMS SIP Gateway

You can configure the SIP Gateway URL below:

MICROSOFT TEAMS SIP GATEWAY URL

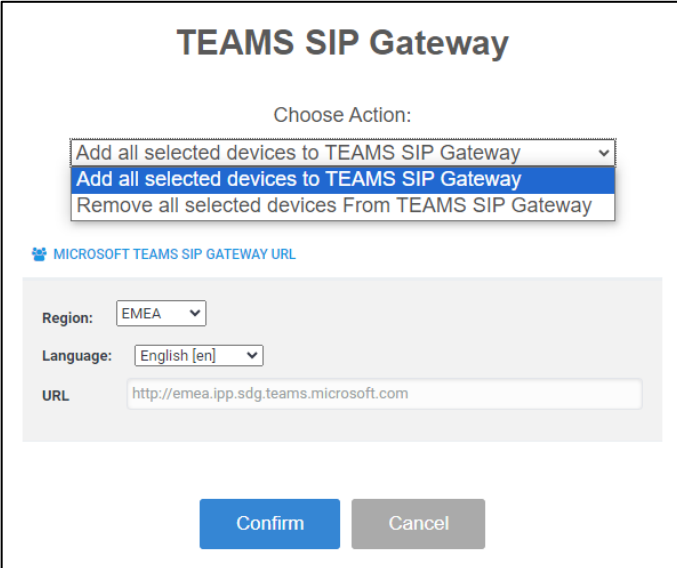
Region: EMEA

Language: English [en]

URL: http://emea.ipp.sdg.teams.microsoft.com

Confirm Cancel

- From the drop-down, select the option **Add all selected devices to TEAMS SIP Gateway**.



TEAMS SIP Gateway

Choose Action:

Add all selected devices to TEAMS SIP Gateway

Add all selected devices to TEAMS SIP Gateway

Remove all selected devices From TEAMS SIP Gateway

MICROSOFT TEAMS SIP GATEWAY URL

Region: EMEA

Language: English [en]

URL: http://emea.ipp.sdg.teams.microsoft.com

Confirm Cancel

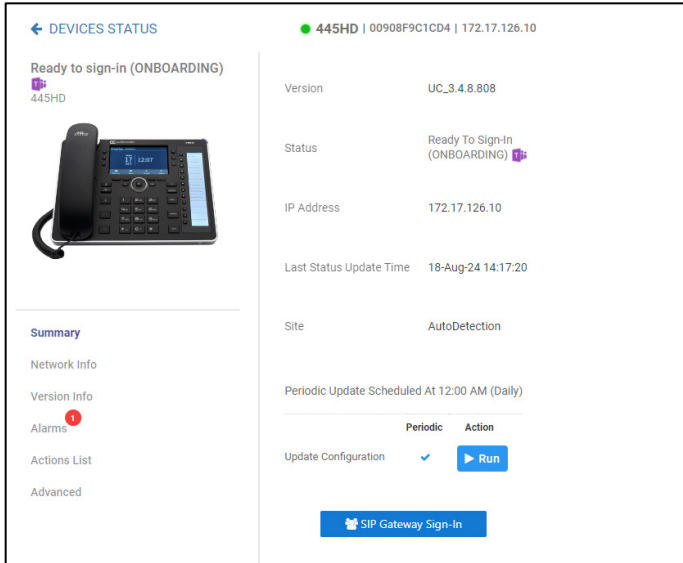
- Click **Confirm**.

4. Sign in to the Phone

After connecting a phone to SIP Gateway, sign in to it. The instructions here show how to sign in remotely using Device Manager. Note that you can optionally sign in on the device itself as shown [above](#).

To sign in to the phone:

1. In the Devices Status page, click **Actions** adjacent to the phone and then select **Show Info** from the popup menu. (Alternatively, in the Devices Status page click the phone's image).



The screenshot shows the 'DEVICES STATUS' page for a phone. The phone is identified as '445HD' with IP address '172.17.126.10'. The status is 'Ready to sign-in (ONBOARDING)'. The page includes a summary section with links for Network Info, Version Info, Alarms (1), Actions List, and Advanced. A table shows the 'Update Configuration' action is checked under the 'Periodic' column, with a 'Run' button. A 'SIP Gateway Sign-In' button is located at the bottom.

Property	Value
Version	UC_3.4.8.808
Status	Ready To Sign-In (ONBOARDING)
IP Address	172.17.126.10
Last Status Update Time	18-Aug-24 14:17:20
Site	AutoDetection

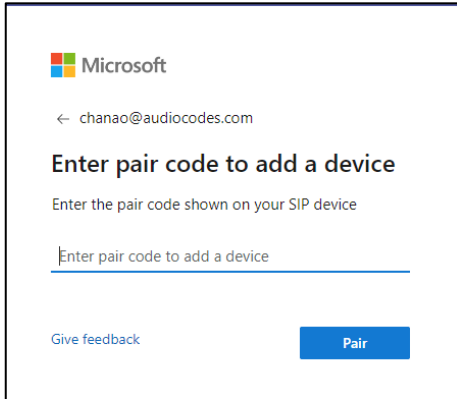
2. Click the **SIP GW Sign-In** button.



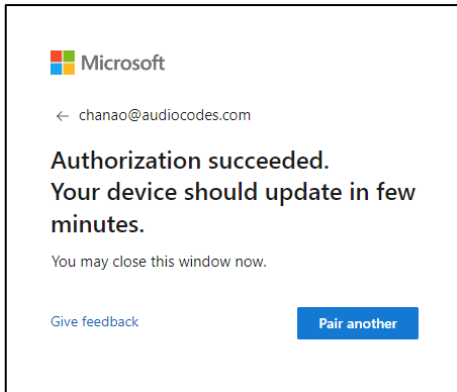
The dialog box displays the 'SIP Gateway Sign-In' screen. It includes an information icon, the title 'SIP Gateway Sign-In', the sign-in URL 'https://aka.ms/siplogin', the pair code 'CA8E9EM2A', and an 'OK' button.

Sign In: <https://aka.ms/siplogin>
Pair Code: CA8E9EM2A

3. Click the link and enter the Username.



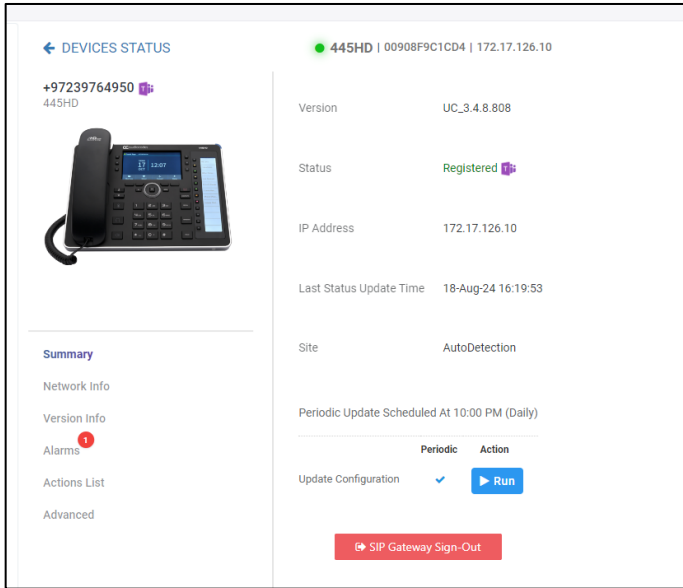
4. Enter the Pair Code and click **Pair**.



5. In the Devices Status page, view this adjacent to the phone:



- [Optionally] Sign out of the SIP Gateway: in the Devices Status page, click the phone's image.



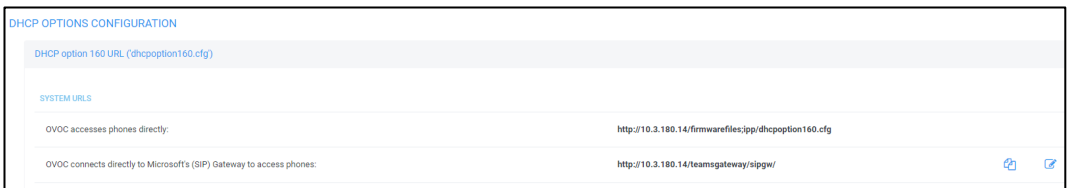
- Click the **SIP Gateway Sign-Out** button.


5. Add a New Phone Directly to Device Manager as a SIP Gateway Phone

The sections preceding described how to switch an existing phone to a SIP Gateway phone. This section describes how to add a new phone directly to Device Manager as a SIP Gateway phone.

To add a new phone directly to Device Manager as a SIP Gateway phone:

- In Device Manager, open the DHCP Options Configuration page (**Setup > Settings > DHCP Options Configuration**).





- Copy paste the URL next to **OVOC connects directly to Microsoft's (SIP) Gateway to access phones** into the phone, the Redirect Server or DHCP Option 160.
- [Optionally] Click the icon  adjacent to the URL.

DHCP OPTIONS CONFIGURATION

DHCP option 160 URL (dhcpoption160.cfg)

SYSTEM URLS

OVOC accesses phones directly: http://10.3.180.14/firmwarefiles/jpp/dhcpoption160.cfg

OVOC connects directly to Microsoft's (SIP) Gateway to access phones: http://10.3.180.14/teamsgateway/sipgw/emea/lang_de/  

MICROSOFT TEAMS SIP GATEWAY URL

Region: EMEA ▼

Language: German [de] ▼

- [Optionally] Change the Region | Language; the URL changes accordingly.

6. Remove a Phone from Teams SIP Gateway


To remove a phone from Teams SIP Gateway:

- In the Devices Status page, click **Actions** next to the phone and from the popup menu, select **Remove**.

Remove from TEAMS SIP Gateway

This action will generate new configuration files

You can configure the SIP Gateway URL below:

 MICROSOFT TEAMS SIP GATEWAY URL

Region: EMEA ▼

Language: English [en] ▼

URL:

Yes
Cancel

- Click **Yes**.

7. Connect Phone to SIP Gateway using Web Interface

This section shows how to connect the phone to the SIP Gateway using the Web interface.



- AudioCodes recommends using Device Manager rather than the Web interface to connect the phone to the SIP Gateway.
- If you nonetheless opt to use the Web interface, you must first make sure it is enabled on the phone. [AudioCodes recommends disabling it by default so this step is essential in order to proceed].

To connect the phone using the Web Interface:

1. Access the phone's web interface and open the 'Automatic Provisioning' page (**Management > Automatic Update > Automatic Provisioning**).

The screenshot shows the 'Automatic Provisioning' configuration page. On the left is a navigation menu with options: Automatic Update, Automatic Provisioning, Manual Update, Administration, and Remote Management. The main area contains the following fields:

- Firmware Version: UC_3_4.8.808.3_77220_4
- Provisioning Method: Static URL
- Configuration URL: http://noam.ipp.sdg.teams.microsoft.com
- Check Method: Daily
- Every day at: 22:00
- Random Provisioning Time: 480 minutes

Two 'Check Now' buttons are located on the right side of the form.

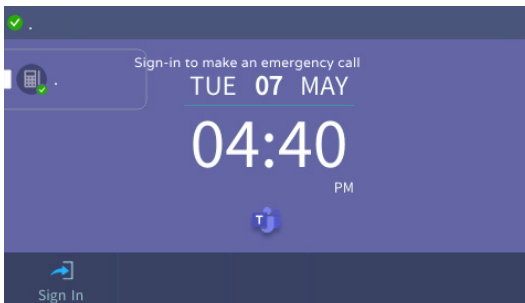
2. Select **Static URL** as the provisioning method.
3. Define the 'Configuration URL' field:
Define one of the following SIP Gateway provisioning server URLs:
 - EMEA: http://emea.ipp.sdg.teams.microsoft.com
 - Americas: http://noam.ipp.sdg.teams.microsoft.com
 - APAC: http://apac.ipp.sdg.teams.microsoft.com
4. Click the adjacent **Check now** button.

192.168.33.22 says
Configuration file is available. Do you want to update?

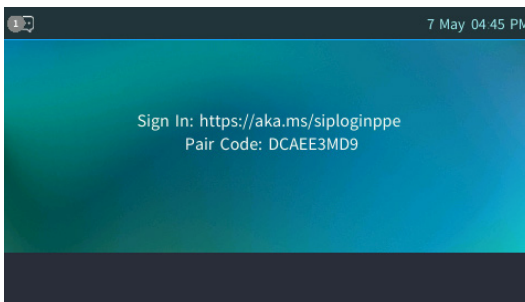
OK Cancel

5. Click **OK**; the phone reboots.

6. View a sign-in indication in the phone screen as shown in the figure below.



7. Select the **Sign-in** button.



8. Open your browser and sign-in following the instructions.
Congratulations! You've successfully boarded the device to Microsoft's SIP Gateway.

8. Obtain General Information on Configuring Microsoft's SIP Gateway

For general information about how to configure Microsoft's SIP Gateway, go [here](#).

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