



Grandstream Networks, Inc.

GSC35xx

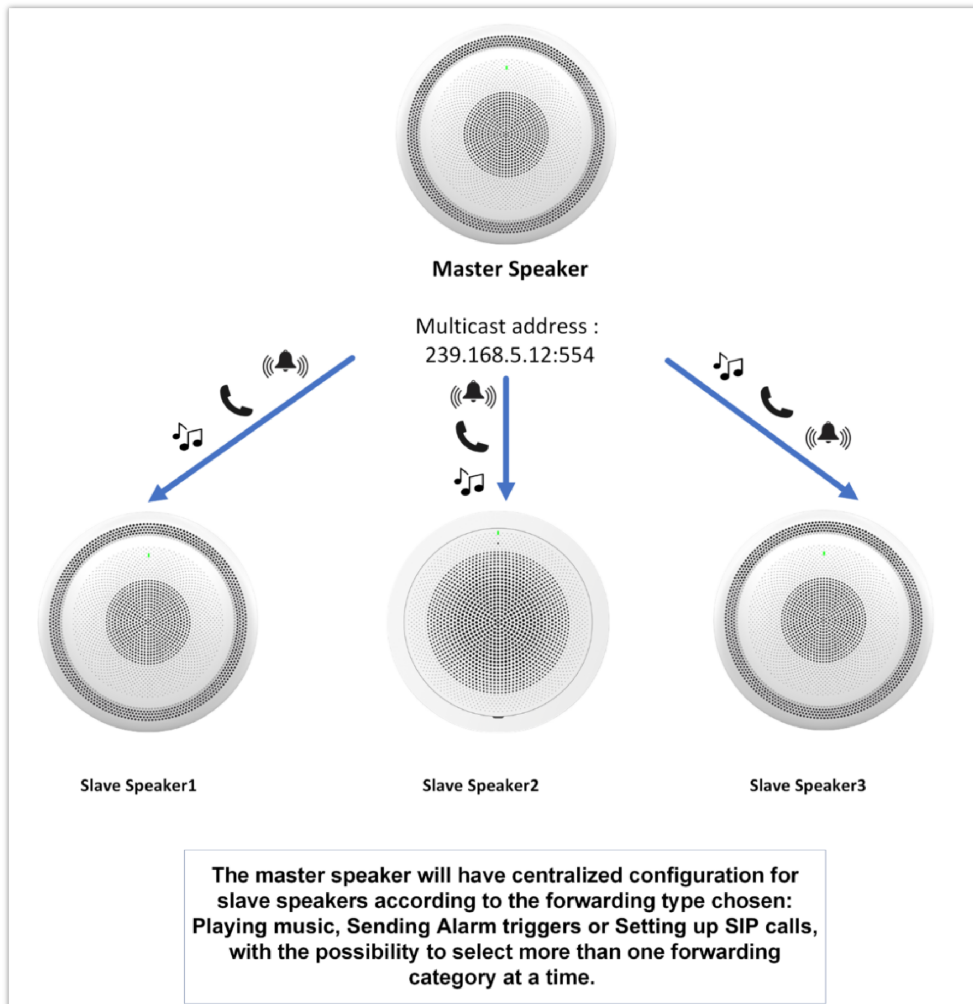
Playback Cascade Function Guide



GSC35xx - Playback Cascade Function Guide

Overview

The playback cascade option allows setting up many SIP speakers at once by creating a Multicast address for paging, it is suitable for the collective playing scenes of supermarkets, hospitals, etc., and the playback cascade can be set for Media Music, Calls, or Alarms, with the possibility to select more than one Forwarding Category. Simply put, Cascading is the ability to arrange a number of GSC35xx devices in a series or sequence.



Configuration

Configuring the slave

- When the cascade role is set to "Slave" or "None", then there is no configuration needed on the GSC35xx side since the Master cascade will be configured on another device, and the IP address of that device will be displayed as the Current Master address

Playback Cascade

Cascade role ⓘ

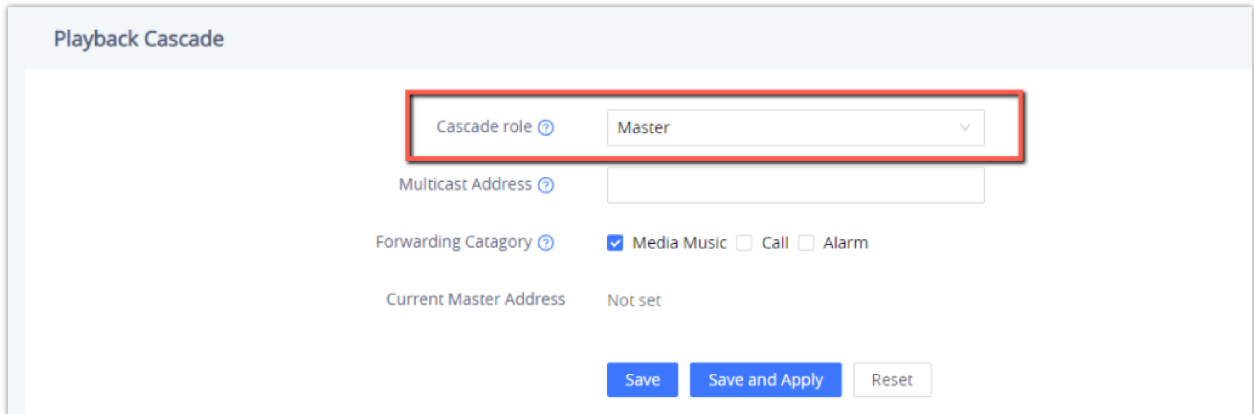
Current Master Address

Slave Cascade role

Configuring the Master

- In the case where the Cascade role is set to "Master", the user will need to configure specific parameters to enable the playback cascade feature based on the multicast address, to do that, the following steps need to be followed:

1. Set the Cascade Role to "Master"

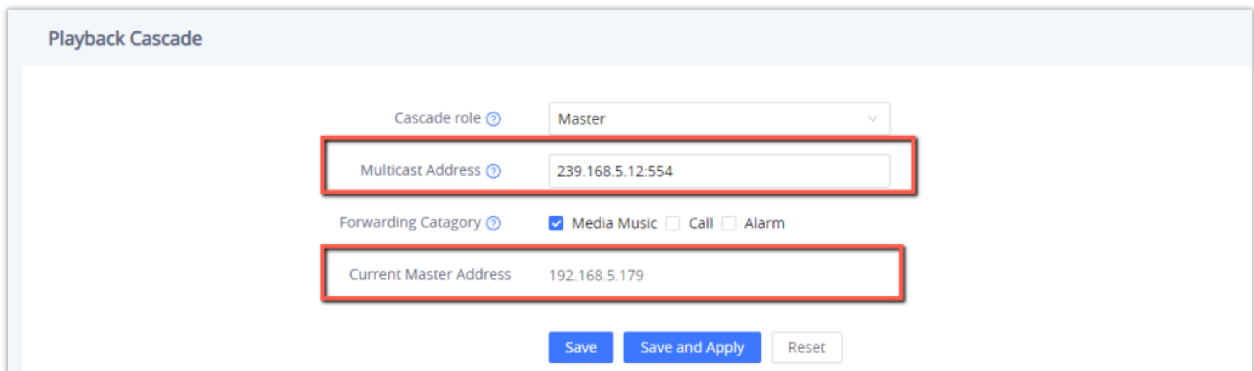


The screenshot shows the "Playback Cascade" configuration interface. The "Cascade role" dropdown menu is set to "Master" and is highlighted with a red box. Other fields include "Multicast Address" (empty), "Forwarding Category" (checked for "Media Music", unchecked for "Call" and "Alarm"), and "Current Master Address" (displaying "Not set"). At the bottom, there are "Save", "Save and Apply", and "Reset" buttons.

Playback Cascade

2. Once that is Selected, define the Multicast Address and port. As the Master, multicast will be initiated by this address. As the Slave, it will automatically obtain the address undertaken by the Master, The Valid IP Address range for setting up a Multicast address is 239.0.0.0-239.255.255.255 and the port range is 1-65535, in Our Example, we set the multicast address to 239.168.5.12 with port 554

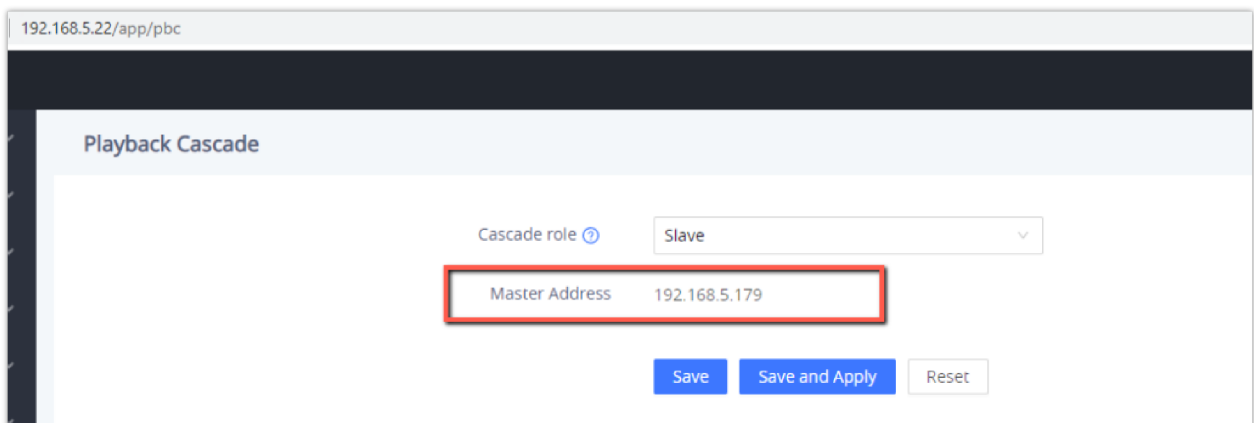
Once you save and apply the changes, the current Master Address will automatically display the GSC3516 IP address on which the configuration has been done.



The screenshot shows the "Playback Cascade" configuration interface after the Multicast Address and Current Master Address have been updated. The "Multicast Address" field is now populated with "239.168.5.12:554" and is highlighted with a red box. The "Current Master Address" field is now populated with "192.168.5.179" and is also highlighted with a red box. The "Cascade role" remains "Master". The "Forwarding Category" is still "Media Music". The "Save and Apply" button is highlighted.

Defining Multicast address

On another SIP speaker that is set as "Slave", we can see that the Master address is "192.168.5.179"



The screenshot shows the "Playback Cascade" configuration interface on a Slave device. The "Cascade role" dropdown menu is set to "Slave". The "Master Address" field is populated with "192.168.5.179" and is highlighted with a red box. The "Save and Apply" button is highlighted.

Master Address

3. You can set the forwarding category as well to be: Media Music, Call, or Alarm, with the possibility to select two or all the options.

Playback Cascade

Cascade role ⓘ Master

Multicast Address ⓘ 239.168.5.12:554

Forwarding Category ⓘ Media Music Call Alarm

Current Master Address 192.168.5.179

Save Save and Apply Reset

Choosing Forwarding category

Trigger Time

The Playback Cascade feature will only work during the scheduled times added in the Trigger time section.,

1. Click on **Add** icon to add a new playing schedule.
2. Set the Playback time, you can configure up to three different time intervals in the day

Playback Time ⓘ

09:00 ⓘ -- 13:00 ⓘ

15:00 ⓘ -- 18:00 ⓘ

20:00 ⓘ -- 23:00 ⓘ

Frequency ⓘ

Monday Tuesday Wednesday

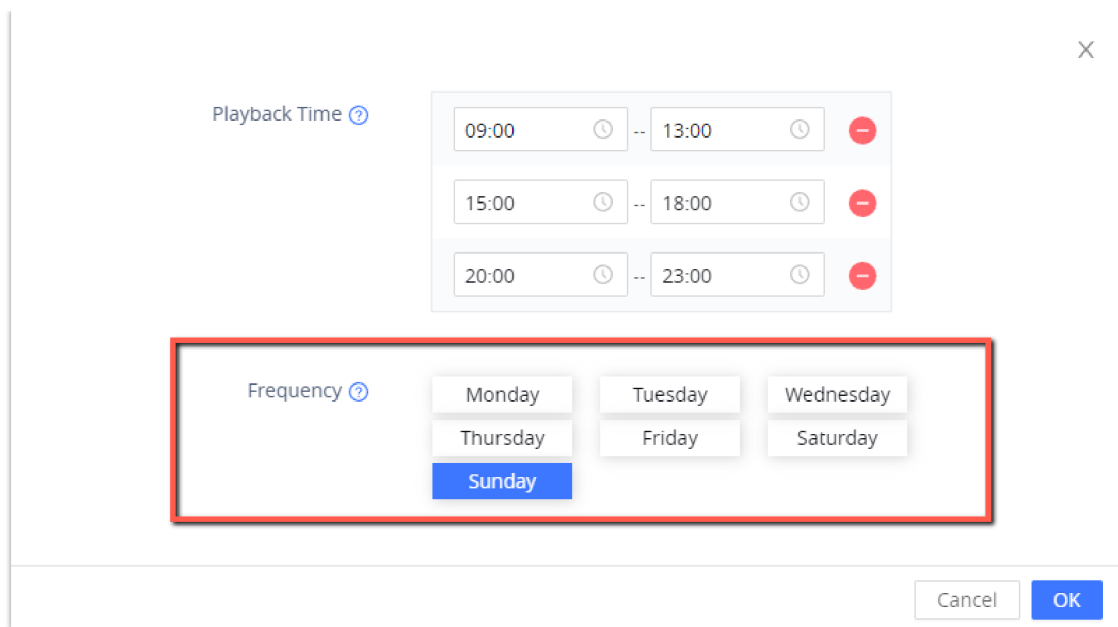
Thursday Friday Saturday

Sunday

Cancel OK

Playback Time

3. Set the Frequency based on choosing the days of the week on which the Playback schedule will be played



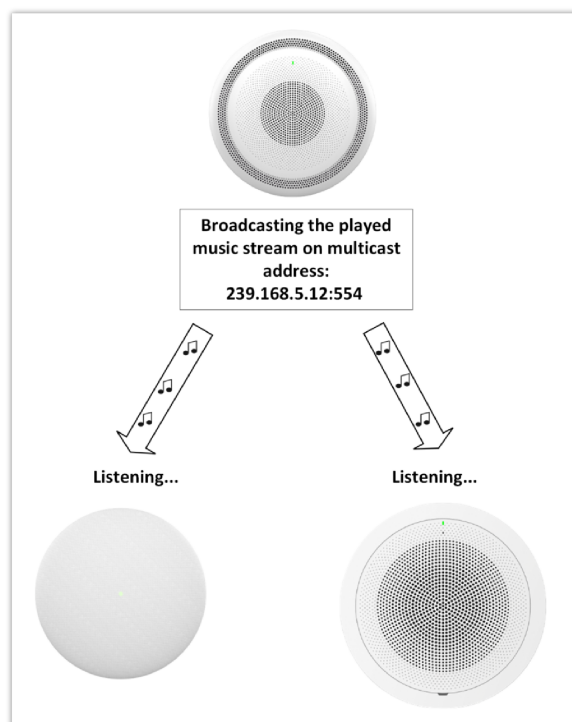
Frequency

With the Playback cascade configured, you can stream music, make calls or trigger alarms on multiple SIP speakers by configuring only the master speaker, which will centralize the music control.

Music Function Implementation Scenario

In the below example, we will set one master speaker and two slave speakers for music functions such as the ones used in clothing stores, to do that, we will follow the below steps:

1. Configure the Master speaker. (GSC3516)
2. Configure the Slave speakers. (GSC3506 and GSC3510)
3. Play Music on the Master Speaker and have it played on the Slave Speakers as well.



Playback Cascade for Music Function

Note

For the Playback cascade music function to operate, please make sure that:

- GSC3510/GSC3505 is upgraded to firmware version 1.0.3.3 or above.

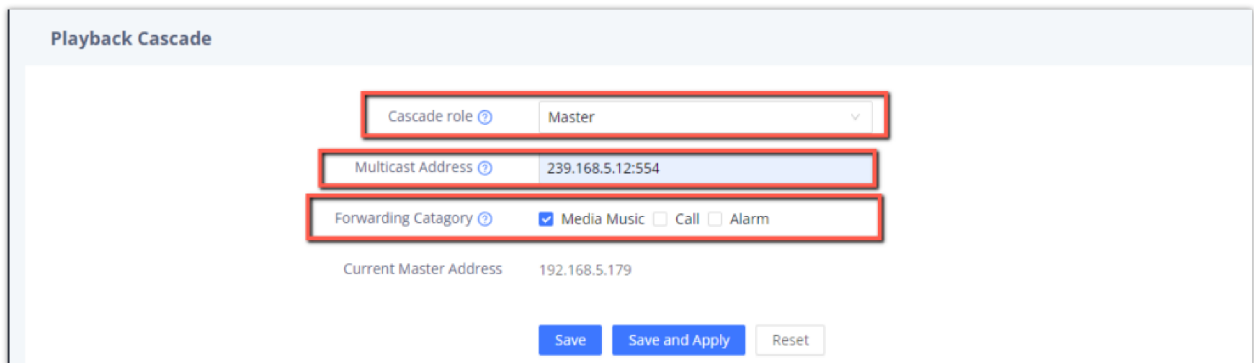
- GSC3516/GSC3506 is upgraded to firmware version [template] or above.

Master Speaker Configuration

In this example, we will be streaming local music uploaded to the GSC3516 Master speaker local cloud storage, to be played on all the Slave speakers listening in the multicast address defined, in our case the slave speakers will be the GSC3506 and the GSC3510.

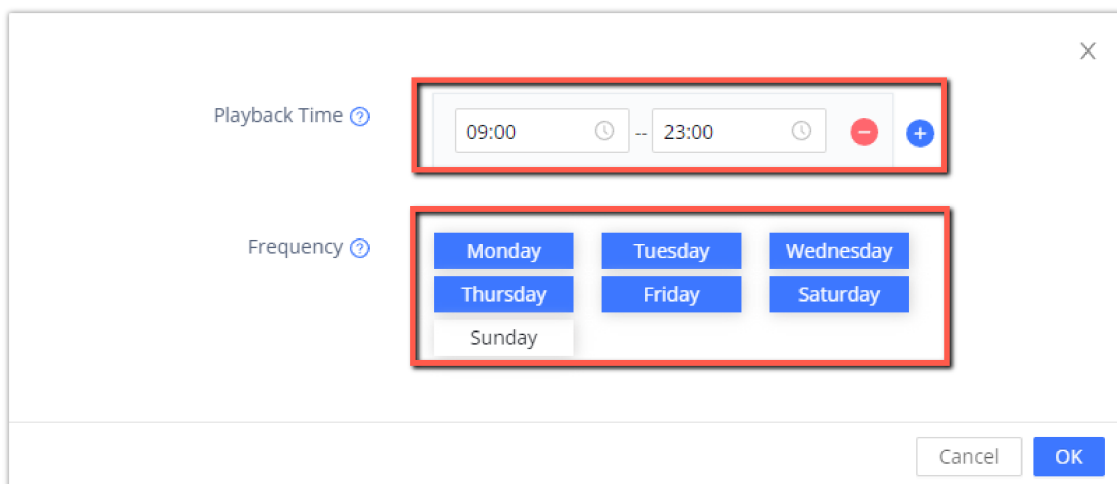
In order to set up the playback cascade feature in the GSC3516:

1. Set up the GSC3516 as the Master speaker.
2. Enter the Multicast address with the port number, and note that the valid range is 239.0.0.0—239.255.255.255 with the port range 1-65535.
3. Select the Forwarding Category to Media Music.



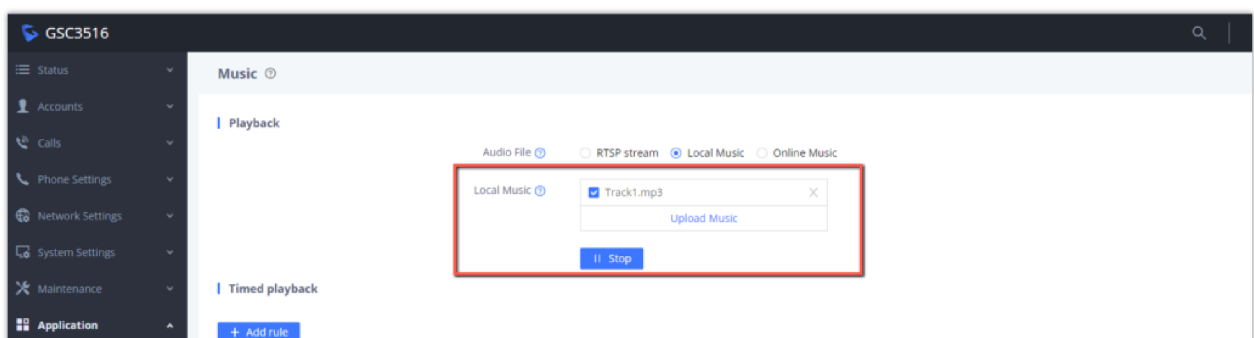
The screenshot shows the 'Playback Cascade' configuration window. It features three input fields highlighted with red boxes: 'Cascade role' set to 'Master', 'Multicast Address' set to '239.168.5.12:554', and 'Forwarding Category' with 'Media Music' selected. Below these fields, the 'Current Master Address' is displayed as '192.168.5.179'. At the bottom, there are three buttons: 'Save', 'Save and Apply', and 'Reset'.

4. Select the Trigger time to schedule when the media music will be cascaded to the slave speakers. you can choose up to three schedules, in our case we will set the playing time under the interval 09:00-23:00 from Monday to Saturday, with Sunday off.



The screenshot shows the 'Playback Time' and 'Frequency' configuration window. The 'Playback Time' field is set to '09:00 -- 23:00' and is highlighted with a red box. The 'Frequency' field is set to 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', and 'Saturday', with 'Sunday' unselected, and is also highlighted with a red box. At the bottom right, there are 'Cancel' and 'OK' buttons.

5. Once the Playback settings are saved, we will play the local music track on the Master speaker, at the same time it will be played on the slave speakers after configuring them correctly.



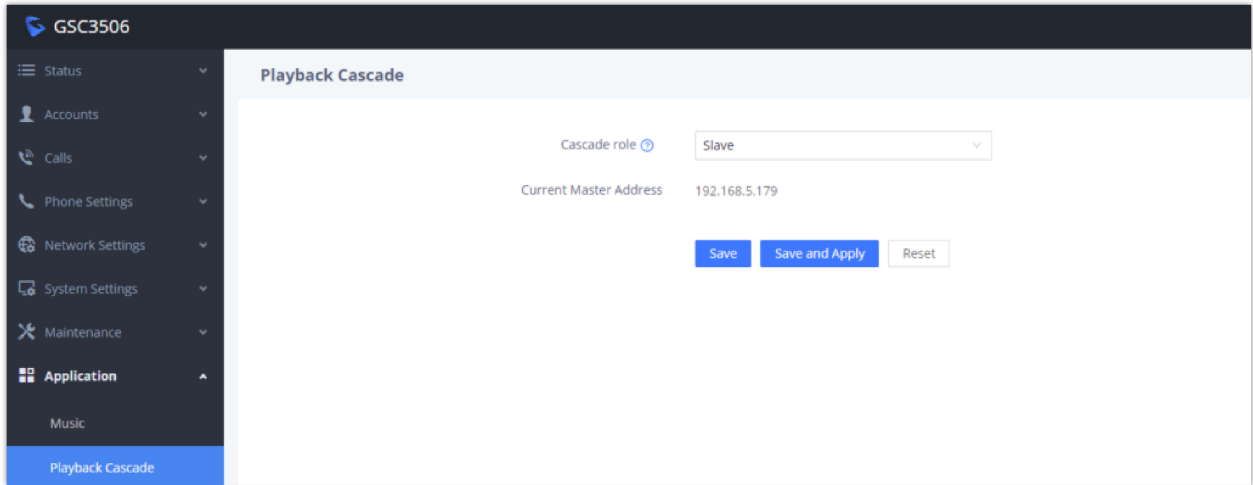
The screenshot shows the 'GSC3516 Music' playback interface. It features a sidebar with navigation options: Status, Accounts, Calls, Phone Settings, Network Settings, System Settings, Maintenance, and Application. The main content area is titled 'Music' and has a 'Playback' section. In this section, there are radio buttons for 'Audio File', 'RTSP stream', 'Local Music', and 'Online Music'. The 'Local Music' option is selected, and a red box highlights the 'Local Music' field which contains 'Track1.mp3' and an 'Upload Music' button. Below this, there is a 'Timed playback' section with a 'Stop' button.

Slave Speakers Configuration

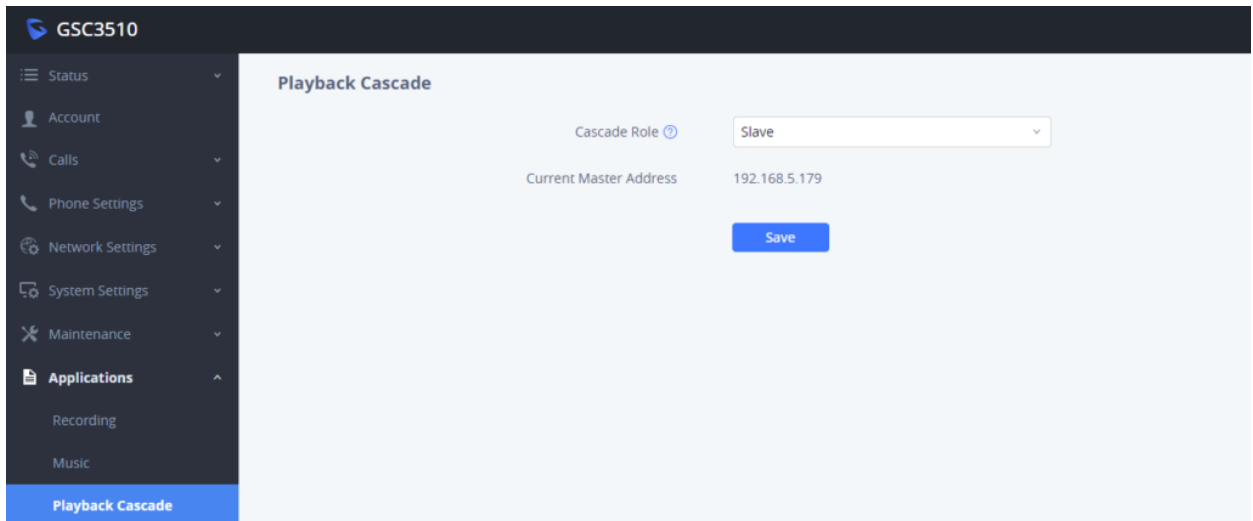
on the other hand, we will configure the slave speakers to be able to listen to the multicast address of the Master speaker.

1. Set the GSC3506 and GSC3510 to slave speakers, they will automatically detect the IP address of the Master.

GSC3506



GSC3510



2. When the music is streamed on the Master speaker (GSC3516), it will automatically be streamed at the same time on the slave speakers (GSC3510, GSC3506)

Supported devices

Model	Supported	Firmware
GSC3505	Yes	1.0.3.3 and above.
GSC3510	Yes	1.0.3.3 and above.
GSC3506	Yes	1.0.3.4 and above.
GSC3516	Yes	1.0.3.4 and above.

List of supported devices

Need Support?

Can't find the answer you're looking for? Don't worry we're here to help!

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