UCM Series IP PBX Firmware Release Notes

Table of Content

FIRMWARE VERSION 1.0.18.18 ........................................................................................................... 3
  PRODUCT NAME ......................................................................................................................... 3
  DATE ........................................................................................................................................ 3
  FIRMWARE FILE INFORMATION ............................................................................................. 3
  IMPORTANT UPGRADING NOTE ............................................................................................... 3
  PREVIOUS FIRMWARE VERSIONS ............................................................................................ 3
  CHANGES SINCE FIRMWARE VERSION 1.0.18.17 ................................................................... 4
    BUG FIXES ............................................................................................................................... 4

FIRMWARE VERSION 1.0.18.17 ...................................................................................................... 5
  PRODUCT NAME ......................................................................................................................... 5
  DATE ........................................................................................................................................ 5
  FIRMWARE FILE INFORMATION ............................................................................................. 5
  IMPORTANT UPGRADING NOTE ............................................................................................... 5
  PREVIOUS FIRMWARE VERSIONS ............................................................................................ 5
  CHANGES SINCE FIRMWARE VERSION 1.0.18.16 ................................................................... 6
    BUG FIXES ............................................................................................................................... 6

FIRMWARE VERSION 1.0.18.16 ...................................................................................................... 7
  PRODUCT NAME ......................................................................................................................... 7
  DATE ........................................................................................................................................ 7
  FIRMWARE FILE INFORMATION ............................................................................................. 7
  IMPORTANT UPGRADING NOTE ............................................................................................... 7
  PREVIOUS FIRMWARE VERSIONS ............................................................................................ 7
  CHANGES SINCE FIRMWARE VERSION 1.0.18.14 ................................................................... 8
    BUG FIXES ............................................................................................................................... 8
  CHANGES SINCE FIRMWARE VERSION 1.0.18.13 ................................................................... 8
    BUG FIXES ............................................................................................................................... 8
  CHANGES SINCE FIRMWARE VERSION 1.0.18.12 ................................................................... 8
    BUG FIXES ............................................................................................................................... 8
  CHANGES SINCE BETA FIRMWARE VERSION 1.0.18.9 .............................................................. 8
    ENHANCEMENTS ..................................................................................................................... 8
    BUG FIXES ............................................................................................................................... 9
  CHANGES SINCE FIRMWARE VERSION 1.0.17.16 ................................................................... 9
    ENHANCEMENTS .................................................................................................................... 9


BUG FIXES .......................................................................................................................... 10
NEW FEATURES OVERVIEW .......................................................................................... 13
NEW AMI COMMANDS .................................................................................................... 13
CDR EXPORT COLUMN CUSTOMIZATION ...................................................................... 13
EXTENSION DETAILS ....................................................................................................... 14
EMAIL-TO-FAX .................................................................................................................. 15
DISABLING MUSIC ON HOLD FILES ............................................................................... 16
NEW PARKING OPTIONS: TIMEOUT DESTINATION & RING-ALL CALLBACK ............... 16
INBOUND ROUTE IMPORTING & EXPORTING ................................................................. 17
FIRMWARE VERSION 1.0.18.18

PRODUCT NAME
UCM6102, UCM6104, UCM6108, and UCM6116

EOL NOTICE: 1.0.18.x will be the last supported firmware for the UCM6100 series. UCM6100 devices will no longer receive new features, but will continue to receive critical security updates and major bug fixes.

DATE
04/20/2020

FIRMWARE FILE INFORMATION
• UCM6102/6104/6108/6116 firmware file name: ucm6100fw.bin

MD5: a9b6b206b417e9d01e0907218b510a57

IMPORTANT UPGRADING NOTE
• Please upgrade to 1.0.18.18 immediately for the latest security patches.
• After upgrading to 1.0.18.18, please change the web access passwords for all users created in the Maintenance>User Management page. This includes super admin, admins, and consumer users. It is also highly recommended to change the usernames to be different from previous usernames.
• ALWAYS create a backup of your configuration and data before a firmware upgrade.
• After upgrading to 1.0.18.18, if you downgrade to 1.0.17.x and issues are encountered after downgrading, factory reset the UCM and restore the backup.
• For UCM6xxx on 1.0.17.x, please upgrade to 1.0.18.x directly.
• For UCM6xxx on firmware earlier than 1.0.17.16, please upgrade to 1.0.17.16 first, then upgrade to 1.0.18.x. To upgrade to 1.0.17.16, please check 1.0.17.x release note “Important Upgrading Note” section and follow the instructions.
• It is recommended to upgrade UCM to latest firmware for product lifespan and security improvements.
• Firmware download links below:
  o UCM61xx: http://firmware.grandstream.com/Release_UCM61xx_1.0.18.18.zip

PREVIOUS FIRMWARE VERSIONS
Previous firmware versions are for devices that need transition firmware to upgrade to the latest firmware. Please always use the latest official firmware on your UCM devices for security improvement.
<table>
<thead>
<tr>
<th>FW Version</th>
<th>UCM6100 Series</th>
<th>UCM6200 Series</th>
<th>UCM6510</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0.17.16</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.16.20</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.15.16</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.14.24</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.13.14</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.12.19</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.11.27</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.10.44</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.9.97</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
<tr>
<td>1.0.2.97</td>
<td>![Icon]</td>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
</tbody>
</table>

**CHANGES SINCE FIRMWARE VERSION 1.0.18.17**

**BUG FIXES**

- [Security] Fixed several security vulnerabilities.
FIRMWARE VERSION 1.0.18.17

PRODUCT NAME
UCM6102, UCM6104, UCM6108, and UCM6116

EOL NOTICE: 1.0.18.x will be the last supported firmware for the UCM6100 series. UCM6100 devices will no longer receive new features, but will continue to receive critical security updates and major bug fixes.

DATE
12/13/2019

FIRMWARE FILE INFORMATION
• UCM6102/6104/6108/6116 firmware file name: ucm6100fw.bin

    MD5: a6b494308257ce94d4022ff2efd5f289

IMPORTANT UPGRADING NOTE
• Please upgrade to 1.0.18.17 immediately for latest security improvement.
• ALWAYS create a backup of your configuration and data before a firmware upgrade.
• After upgrading to 1.0.18.17, if you downgrade to 1.0.17.x and issues are encountered after downgrading, factory reset the UCM and restore the backup.
• For UCM6xxx on 1.0.17.x, please upgrade to 1.0.18.x directly.
• For UCM6xxx on firmware earlier than 1.0.17.16, please upgrade to 1.0.17.16 first, then upgrade to 1.0.18.x. To upgrade to 1.0.17.16, please check 1.0.17.x release note “Important Upgrading Note” section and follow the instructions.
• It is recommended to upgrade UCM to latest firmware for product lifespan and security improvements.
• Firmware download links below:
  o UCM61xx: http://firmware.grandstream.com/Release_UCM61xx_1.0.18.17.zip

PREVIOUS FIRMWARE VERSIONS
Previous firmware versions are for devices that need transition firmware to upgrade to the latest firmware. Please always use the latest official firmware on your UCM devices for security improvement.

<table>
<thead>
<tr>
<th>FW Version</th>
<th>UCM6100 Series</th>
<th>UCM6200 Series</th>
<th>UCM6510</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0.17.16</td>
<td>📊 📊</td>
<td>📊 📊</td>
<td>📊 📊</td>
</tr>
<tr>
<td>Firmware Version</td>
<td>Feature 1</td>
<td>Feature 2</td>
<td>Feature 3</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
</tr>
<tr>
<td>1.0.16.20</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
<tr>
<td>1.0.15.16</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
<tr>
<td>1.0.14.24</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
<tr>
<td>1.0.13.14</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
<tr>
<td>1.0.12.19</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
<tr>
<td>1.0.11.27</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
<tr>
<td>1.0.10.44</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
<tr>
<td>1.0.9.97</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
<tr>
<td>1.0.2.97</td>
<td>🔻</td>
<td>🔻</td>
<td>🔻</td>
</tr>
</tbody>
</table>

**CHANGES SINCE FIRMWARE VERSION 1.0.18.16**

**BUG FIXES**

- **[Security]** Fixed a security vulnerability that allowed unauthorized outbound calls to be made.
FIRMWARE VERSION 1.0.18.16

PRODUCT NAME
UCM6102, UCM6104, UCM6108, and UCM6116

EOL NOTICE: 1.0.18.x will be the last supported firmware for the UCM6100 series. UCM6100 devices will no longer receive new features, but will continue to receive critical security updates and major bug fixes.

DATE
03/01/2019

FIRMWARE FILE INFORMATION
- UCM6102/6104/6108/6116 firmware file name: ucm6100fw.bin
  MD5: c65f27a7ff8af6cedc856eefad489e2c

IMPORTANT UPGRADING NOTE
- ALWAYS create a backup of your configuration and data before a firmware upgrade.
- After upgrading to 1.0.18.16, if you downgrade to 1.0.17.x and issues are encountered after downgrading, factory reset the UCM and restore the backup.
- For UCM6xxx on 1.0.17.x, please upgrade to 1.0.18.x directly.
- For UCM6xxx on firmware earlier than 1.0.17.16, please upgrade to 1.0.17.16 first, then upgrade to 1.0.18.x. To upgrade to 1.0.17.16, please check 1.0.17.x release note “Important Upgrading Note” section and follow the instructions.
- It is recommended to upgrade UCM to latest firmware for product lifespan and security improvements.
- Firmware download links below:
  - UCM61xx: http://firmware.grandstream.com/BETA/Release_UCM61xx_1.0.18.16.zip

PREVIOUS FIRMWARE VERSIONS

<table>
<thead>
<tr>
<th>FW Version</th>
<th>UCM6100 Series</th>
<th>UCM6200 Series</th>
<th>UCM6510</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0.17.16</td>
<td>📉 📉</td>
<td>📉 📉</td>
<td>📉 📉</td>
</tr>
<tr>
<td>1.0.16.20</td>
<td>📉 📉</td>
<td>📉 📉</td>
<td>📉 📉</td>
</tr>
<tr>
<td>1.0.15.16</td>
<td>📉 📉</td>
<td>📉 📉</td>
<td>📉 📉</td>
</tr>
<tr>
<td></td>
<td>1.0.14.24</td>
<td>1.0.13.14</td>
<td>1.0.12.19</td>
</tr>
<tr>
<td>---------</td>
<td>-----------</td>
<td>-----------</td>
<td>-----------</td>
</tr>
<tr>
<td><strong>CHANGES SINCE FIRMWARE VERSION 1.0.18.14</strong></td>
<td><img src="image1" alt="1.0.14.24" /></td>
<td><img src="image2" alt="1.0.13.14" /></td>
<td><img src="image3" alt="1.0.12.19" /></td>
</tr>
</tbody>
</table>

**BUG FIXES**
- [Network Settings] Fixed an issue with being unable to change UDP/TCP/TLS ports back to their default values.
- [User Management] Fixed an issue with being unable to see created users with names containing certain characters when in the super admin portal.
- [Web] Fixed an issue with being unable to use French as the web display language.

**CHANGES SINCE FIRMWARE VERSION 1.0.18.13**

**BUG FIXES**
- [Email Settings] Fixed an issue with saving after uploading a file to a template and after restoring the default template.
- [Troubleshooting] Fixed an issue where starting a packet capture with filters while Data Sync is enabled will result in an abnormal system error.

**CHANGES SINCE FIRMWARE VERSION 1.0.18.12**

**BUG FIXES**
- [CDR] Fixed an issue where the CDR page would not show any entries by default during the month of December.

**CHANGES SINCE BETA FIRMWARE VERSION 1.0.18.9**

**ENHANCEMENTS**
- [CDR API] CDR API configuration page moved from CDR to Value-Added Features.
- [CDR API] Added ability to upload voice prompt files to via API.

**BUG FIXES**
- [CDR] Fixed an issue where an error would occur when attempting to download a filtered CDR.
- [Fax] Fixed an issue where if both a fax extension is set as an inbound fax destination and fax detection is enabled on the inbound trunk, the fax would fail.
- [Paging/Intercom] Fixed an issue where there would be no audio in multicast pages when the page is initiated by the wakeup service and forwarded to the paging group.
- [ZeroConfig] Fixed an issue where the VMPK section for GXP2130/40/60 templates would not show the correct number of supported VMPKs. **Note:** If the templates have existing VMPK configurations prior to upgrading, users will need to refresh the VMPK section by clicking on Options->Phone to see all available configurable VPMK fields. If the VMPK section is still not visible, clear browser cache or open the web portal page in incognito mode.
- [ZeroConfig] Fixed an issue where batch editing selected devices would wipe existing account information on those devices.

**CHANGES SINCE FIRMWARE VERSION 1.0.17.16**

**ENHANCEMENTS**
- **Major Enhancements**
  - [AMI] Added new commands: GSAgents, PJSIPShowEndpoints, and PJSIPShowEndpoint [NEW AMI COMMANDS]
  - [CDR] Added ability to customize the data columns included in exported CDR reports. [CDR EXPORT COLUMN CUSTOMIZATION]
  - [Extensions] Added ability to view a specified extension’s membership in Call Queues/Ring Groups and other details. [EXTENSION DETAILS]
  - [Fax] Added Email-to-Fax functionality. [EMAIL-TO-FAX]
  - [Music on Hold] Added ability to disable audio files. [DISABLING MUSIC ON HOLD FILES]
  - [Parking] Added Timeout Destination and Ring-All Callback on Timeout options to Parking Lot page. [NEW PARKING OPTIONS: TIMEOUT DESTINATION & RING-ALL CALLBACK]
  - [Routing] Added inbound rule importing/exporting functionality. [INBOUND ROUTE IMPORTING & EXPORTING]
  - [ZeroConfig] Added GXV3370 model template. Please note GXV3370 firmware 1.0.1.21 does not support UCM ZeroConfig. Please use firmware 1.0.1.12 or 1.0.1.18. To provision GXV3370 using UCM ZeroConfig, please download GXV3370 model template from UCM webUI->Value-added Features->Zero Config->Model Update first.
- **Other Enhancements**
  - [Active Calls] CID number and name will replace DOD number and name if applicable.
  - [Extensions] CID numbers now have a minimum character limit of 2.
  - [Extensions] Custom statuses can no longer contain periods (.)
o [Paging/Intercom] Added Maximum Call Duration option to paging/intercom group configuration page.

o [Paging/Intercom] Forwarded paging calls will contain call-info, alert-info, and diversion headers.

o [Paging/Intercom] Paging/Intercom can now be scheduled weekly.

o [Recordings] The Recording Files page will how the recordings of the current month by default if no filters are applied.

o [Ring Groups] Ring Group extensions can no longer have letters.

o [SIP Settings] UCM will now forward FROM headers and add privacy headers to anonymous calls if applicable.

o [SIP Settings] Added Passthrough PAI Header option to allow or block PAI headers as they go through the UCM.

o [System] If Clean Files in External Storage is enabled, files stored in NAS will also be cleaned.

o [System] All voice prompts will be reset to default prompts after a factory reset.

o [Voicemail] Added ability to change voicemail audio format to WAV.

o [Voicemail] Resetting an extension will change its Voicemail setting to “Enable Local Voicemail”.

o [VoIP Trunks] Added DOD Name column to DOD list page.

o [VoIP Trunks] Added Supervoice to SIP Trunk provider list.

o [WebUI] Password character limit changed to 30.

o [WebUI] Added “All” options for selecting days and months.

BUG FIXES

- [Active Calls]
  o Fixed several issues causing duplicate Active Call entries.
  o Fixed several issues with incorrect entries when SCA extensions and private numbers are part of ring groups and paging/intercom groups.
  o Fixed an issue with incorrect active call display when dialing emergency numbers via trunk group.
  o Fixed an issue with incorrect active call display when monitoring an external extension connected via VoIP trunk.
  o Fixed an issue with incorrect active call entry if a ring group is dialed, and the ring group member has an LDAP number configured.
  o Fixed an issue with calls transferred through the ring group would not be included in the page.

- [AMI]
  o Fixed an issue with inserting IP addresses ending in “.255” in AMI->Permitted IP.

- [Basic Calls]
  o Fixed an issue where calls routed to external numbers would get the highest permission level during any time condition even if the original caller had lower permissions.
  o Fixed an issue where if Can Direct Media is enabled, holding/unholding a call and transferring will cause a loss of audio on both ends.

- [Backup/Restore]
  o Fixed an issue with Data Sync not backing up recordings placed in root directories.
Fixed an issue with scheduled backups would not back up all CDR when the scheduled time is the same as Data Sync’s backup time.

- **[CDR]**
  - Fixed several issues where CDR would not show the correct call details in certain scenarios.
  - Fixed an issue where CDR entries would be deleted if both CDR->Automatic Download and Call Queue->Automatic Download are enabled and the email address configured for both are the same.
  - Fixed an issue where CDR Call Times and Talk Times had the same value.
  - Fixed an issue where the CDR would not show the current month’s CDR immediately after changing system time.
  - Fixed an issue with missing call originator and caller information when emergency call notifies all included members simultaneously.
  - Fixed an issue with blank CDR statistics pages after sorting by time from newest to oldest.

- **[Conference]**
  - Fixed an issue with call failure messages being played twice when attempting to invite participants.
  - Fixed an issue with sending the wrong notification to endpoints after getting locked and unlocked.

- **[Email Settings]**
  - Fixed an issue with email send log where filtering a second time will show all logs rather than the filtered results.

- **[Extension Groups]**
  - Fixed an issue where an extension group could not be edited if a member was previously assigned a DOD number.

- **[Follow Me]**
  - Fixed an issue with calls not reaching voicemail if Confirm when Answering was disabled.

- **[HTTP Server]**
  - Fixed an issue where certificate requests keep getting server unavailable errors.

- **[LDAP]**
  - Fixed an issue where blank values are overwritten with “None” when importing XML phonebooks.

- **[Maintenance]**
  - Fixed an issue where queue logs generated after a scheduled cleaning time would still be cleaned.

- **[Network Settings]**
  - Fixed an issue with the DHCP client list showing no entries.

- **[Operation Log]**
  - Fixed an issue where analog record signal tracing events would be shown as SS7 signal tracing.
  - Fixed an issue with Operation Log time format being inconsistent with system time format.

- **[Paging/Intercom]**
  - Fixed an issue where transfers to paging/intercom groups would fail despite the caller being in the paging/intercom whitelist.

- **[Routing]**
  - Fixed an issue with users being able to import duplicate outbound blacklist rules and rules with more than 32 characters.
- Fixed an issue with capital letters in imported outbound blacklist rules being converted to lowercase after the importing.
- Fixed an issue with adding back deleted outbound blacklist rules.
- Fixed an issue where users were able to import empty blacklist rules.
- Fixed an issue that caused some outbound calls to fail despite matching time conditions.

• [SCA]
  - Fixed an issue where if an Announcement Center member is an SCA extension and rejects a call, it would be forwarded to voicemail.
  - Fixed an issue where an SCA extension and its private numbers could all accept the same conference invite.
  - Fixed an issue with incorrect SCA status after disabling and enabling it during a call.
  - Fixed an issue with trunk auto record not working when routing to an SCA extension.
  - Fixed an issue where SCA extensions keep hearing Music on Hold even after being transferred.

• [SIP Settings]
  - Fixed an issue with Remote Party ID information not being forwarded properly on call transfers.

• [System]
  - Fixed an issue where the UCM would keep crashing if mp3 files were present in the Music on Hold playlists and Voice Prompts page.

• [System Events]
  - Fixed an issue where 2 alarm logs would be generated when Sip Internal Call Failure alerts are enabled.

• [Troubleshooting]
  - Fixed an issue with external numbers being cleared after refreshing the page during tracing.

• [Trunk Groups]
  - Fixed an issue where duplicate users could be created.

• [User Portal]
  - Fixed an issue with call transfer information not being displayed when extension DND is enabled.
  - Fixed an issue with queue chairman user portal's login time displaying abnormally.
  - Fixed an issue with SCA users not being able to see recordings.
  - Fixed an issue where both SCA and Follow Me features could be enabled at the same time.

• [Voicemail]
  - Fixed an issue with long voicemail passwords not being reflected properly in the web portal when created through the voice portal.
  - Fixed an issue with calls entering into the wrong voicemail after extensive call rerouting.

• [Voice Prompt]
  - Fixed an issue with automated recording prompts being in the wrong language when a configured extension has call forwarding set up.

• [WebUI]
  - Fixed an issue with RTP Settings page modifications not being reflected on the web page.
  - Fixed an issue where the Voicemail Group list page would change sort order after refreshing the page.
Fixed an issue where changing FXS extension presence status via feature code would not reflect on the web UI.

- [Zero Config]
  - Fixed an issue where model template configurations disappear after upgrading from 1.0.16.20 to 1.0.17.16.
  - Fixed an issue where GXV devices could not retrieve CUST files uploaded to the UCM.

**NEW FEATURES OVERVIEW**

This section describes the major new features/changes introduced in the update and provides instructions for usage.

**NEW AMI COMMANDS**

Three additional AMI commands have been added:

- **GSAgents** – Lists queue agents and their status. Functionally similar to Asterisk’s *Agents* command.
- **PJSIPShowEndpoint** – Shows the information of an individual SIP endpoint. Functionally similar to Asterisk’s *SIPshowpeer* command.
- **PJSIPShowEndpoint** – Shows the information of all SIP endpoints. Functionally similar to Asteriks’s *SIPshowpeer* command.

**CDR EXPORT COLUMN CUSTOMIZATION**

Users can now select the data they want to see in exported CDR reports by first clicking on the *Filter* button on the CDR page and selecting the desired information in the *Export File Data* field.
EXTENSION DETAILS

Users can now click on an extension number in the Extensions list page and quickly view information about it.
EMAIL-TO-FAX

Email-to-Fax allows users to send an email with a TIFF/PDF attachment to a specified UCM fax extension, which would then be forwarded to the fax extension’s configured email address. The detected TIFF/PDF attachments will then be added to the Fax/T.38 page’s fax file list. Note: It will take approximately 2-3 minutes for the attachments to be processed and sent out to the designated fax extension.

To set up this feature:

1. Navigate to System Settings->Email Settings and configure the following options:
   a. Set Type as “Client”.
   b. Configure SMTP server settings and email credentials
   c. Tick the Enable Email-to-Fax option
   d. Configure POP settings
   e. Configure Sender with the same email address set in the SMTP fields.

2. Navigate to Call Features->Fax/T.38 and create a fax extension.

To use this feature, send an email to the configured email address with the subject “SendFaxMail to XXXX” where XXXX is the fax extension and attach the TIFF/PDF file. After 2-3 minutes, the attachment should appear in the fax file list in the Call Features->Fax/T.38 page in both TIFF and PDF format.

Restrictions:

1. Only one attachment per email is supported.

2. TIFF/PDF files cannot have pages in landscape orientation.
DISABLING MUSIC ON HOLD FILES
Music on Hold audio files can now be disabled to prevent playback, removing the need to delete audio files just to not have them play.

NEW PARKING OPTIONS: TIMEOUT DESTINATION & RING-ALL CALLBACK
Additional options have been added call park timeouts: Timeout Destination and Ring-All Callbacks. By default, timed out parked calls will be rerouted to the party that parked the call.

- **Timeout Destination** allows users to control where these timed-out calls will be routed to.
- **Ring-All Callback** only applies to extensions that have concurrent registrations on other endpoint devices. If a parked call times out, the resulting callback will ring all the endpoints that the extension has registrations on.
INBOUND ROUTE IMPORTING & EXPORTING

Users can now import and export inbound routes to quickly set up inbound routing on a UCM or to back up an existing configuration. An exported inbound route configuration can be directly imported without needing any manual modifications.