

UCM6510 Series IP PBX Firmware Release Note

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FIRMWARE VERSION 1.0.11.27

PRODUCT NAME

UCM6510

DATE

08/02/2016

IMPORTANT UPGRADING NOTE

- For UCM6510 that's already on 1.0.10.44, please upgrade to 1.0.11.27 directly using the 1.0.11.27 "ucm6510fw.bin" file.
- For UCM6510 that's still on 1.0.2.7 (or lower), please follow upgrading instructions to upgrade to 1.0.11.27.
- Backup, Backup, Backup, yes, backup your data (including configuration) before doing any firmware upgrade! (An SD card or USB Flash Drive is needed for backup purpose.)
- For UCM6510, upgrading from firmware version 1.0.2.7 (or lower) to firmware version 1.0.11.27 directly is not supported. Please upgrade to 1.0.2.97 and then 1.0.10.44 (in the firmware package), before upgrading to 1.0.11.27. The firmware upgrading process should be 1.0.2.7 (or lower) -> 1.0.2.97-> 1.0.10.44 -> 1.0.11.27.
- The UCM6510 will be reset to factory default settings after upgrading to 1.0.10.44 from 1.0.9.26 (or lower). Users need restore backup file manually on 1.0.10.44 or re-configure after upgrade. Therefore, it is VERY IMPORTANT to manually BACKUP data on the UCM6510 before upgrade. Users will also be requested for backup when upgrading from 1.0.2.97 to 1.0.10.44.
- If you have a backup file from firmware version lower than 1.0.10.44 to be restored, it is required to restore the backup file when the UCM is on 1.0.10.44, then upgrade to 1.0.11.27 from 1.0.10.44. Otherwise, CDR might not work properly.
- Once upgraded to 1.0.11.27, downgrading to 1.0.2.7 (or lower) is not supported.

UPGRADING INSTRUCTIONS

The following are the upgrade steps from 1.0.2.7 to 1.0.11.27.

1. Upgrade UCM6510 from firmware 1.0.2.7 to 1.0.2.97 using the 1.0.2.97 “ucm6500fw.bin” file in “Release_UCM6510_1.0.2.97” package.
2. When the UCM6510 is on firmware 1.0.2.97, open a web browser on a PC connected to the same network as UCM6510 to log in UCM6510 web UI. Go to Maintenance->Upgrade page, manually upload “ucm6500dpt.bin” file under Local Upgrade section from your PC. The “ucm6500dpt.bin” file can be found in “Release_UCM6510_1.0.10.44” package.
3. Once the UCM6510 finishes loading the ucm6500dpt.bin file successfully, it will reboot and automatically boot into recovery mode.
4. In recovery mode, the UCM6510 LCD will display its IP address. Please type this IP address in the web browser of your PC that is connected to the same network as the UCM6510. Please make sure you have cleared your browser cache and type in IP address only (Do not specify protocol or port number). For example, if the IP address displayed in LCD is 192.168.1.2, please type in 192.168.1.2 in the browser address bar.
5. The following figure shows the UCM6510 web UI in recovery mode. Log in the UCM6510 as administrator.



6. Once logged in (as shown in figure below), click on “Upload” and select firmware 1.0.10.44 “ucm6500fw.bin” file in “Release_UCM6510_1.0.10.44” package from your PC to upload.

Recovery	
Status	
Hardware Revision :	V1.4A
Boot Version :	1.0.0.6
Core Version :	1.0.1.6
Base Version :	1.0.2.97
Program Version :	1.0.2.97
Upload File :	<input type="button" value="Upload"/>
Factory Reset :	<input type="button" value="Reset"/>
Reboot :	<input type="button" value="Reboot"/>

7. Please keep the web page open and wait until uploading is finished. Once done, an upgrading successful message will be prompted.

Recovery	
Status	
Upgrade Successfully	
Hardware Revision :	V1.4A
Boot Version :	1.0.0.6
Core Version :	1.0.1.6
Base Version :	1.0.2.97
Program Version :	1.0.2.97
Upload File :	<input type="button" value="Done"/>
Factory Reset :	<input type="button" value="Reset"/>
Reboot :	<input type="button" value="Reboot"/>

8. On the recovery mode web UI, select “Reboot” to reboot the UCM6510.
9. Your UCM6510 is successfully upgraded to 1.0.10.44. If you have a backup file from firmware version lower than 1.0.10.44 to be restored, it must be restored on firmware 1.0.10.44 now instead of 1.0.11.27.
10. Please navigate to UCM6510 web UI, go to Maintenance->Upgrade page, manually upload firmware 1.0.11.27 “ucm6500fw.bin” file in “Release_UCM6510_1.0.11.27” package to upgrade to 1.0.11.27.

CHANGES SINCE FIRMWARE VERSION 1.0.10.44

ENHANCEMENT

- Added ability to sort extension status on web UI [EXTENSION STATUS IMPROVEMENT]
- Added one click enable / disable feature code [FEATURE CODE SELECTION IMPROVEMENT]
- Added Uruguay time zone support [URUGUAY TIME ZONE SUPPORT]
- Added distinctive ring tone support [DISTINGCTIVE RING TONE SUPPORT]
- Added special character support for SFTP client account [SFTP CLIENT ACCOUNT SPECIAL CHARACTRE SUPPORT]
- Added destination directory support for data sync [DESTINATION DIRECTORY]
- Added ring group music on hold [RING GROUP MUSIC ON HOLD]

- Added CDR multi-email / time condition support [CDR MULTI EMAIL AND SPECIFIC TIME DOWNLOAD SUPPORT]
- Added blacklist anonymous call block [BLACKLIST ANONYMOUS CALL BLOCK]
- Added ability to sort selected extension in eventlist [EVENTLIST: SORTING SELECTED EXTENSION]
- Added banned user list for web UI login attempts [WEB UI LOGIN IMPROVMENT]
- Added Email template support [EMAIL TEMPLATE]
- Added outbound route country restriction [OUTBOUND ROUTE: COUNTRY RESTRICTION]
- Added external disk usage alert option [EXTERNAL DISK USAGE ALERT]
- Added range IP input support for dynamic defense white list [DYNAMIC DEFENSE: WHITE LIST RANGE IP SUPPORT]
- Added blacklist support for Fail2ban [FAIL2BAN: BLACKLIST]
- Added ability to reboot device from zero config page [ZERO CONFIG: REBOOT DEVICE]
- Added GXP1628B template for zero config [ZERO CONFIG: GXP1628B SUPPORT]
- Added PIN group support [PIN GROUP SUPPORT]
- Added H-Mobile PMS support [H-MOBILE PMS SUPPORT]
- Added call queue custom prompt support [CALL QUEUE: CUSTOM PROMPT]
- Added call queue retry time support [CALL QUEUE RETRY TIME]
- Added enhancement for anonymous call on SIP trunk [ADDED ENHANCEMENT FOR ANONYMOUS CALLS ON SIP TRUNK]
- Added "call-info" SIP header for GXP phone paging mode [ADDED KEEP THE "CALL-INFO" SIP HEADER FROM GXP PHONE USING PAGING MODE]
- Added authentication for inbound SIP INVITE from SIP trunk (for Broadworks)

BUG FIX

- Fixed PJSIP pool caused crashing issue
- Fixed Service check function doesn't work issue
- Fixed CDR auto download by month CSV file empty issue
- Fixed CDR API Sub_CDR_1 field is duplicate on JSON file
- Fixed Trunk caller ID name only allow to input letter, digits and space
- Fixed Trunk call back auto recording file abnormal issue
- Fixed Trunk call back auto recording doesn't play prompt issue
- Fixed Trunk call back only has Chinese and English voice prompt
- Fixed Trunk DOD tooltips unclear issue
- Fixed Trunk incoming call drops in 30 seconds
- Fixed Trunk call back using failover trunk on outbound call will fail
- Fixed Trunk caller ID with special characters will cause UCM crash
- Fixed Trunk inbound route blacklist doesn't block call correctly issue
- Fixed Trunk inbound route mode 1 strip value is null
- Fixed Trunk inbound route privilege level is hidden when dial trunk is enabled
- Fixed Trunk inbound call transfer fails with NEXTIVA trunk when PAI is enabled

- Fixed Trunk: inbound route black list feature code prompt doesn't match status issue
- Fixed Trunk: disable qualify will cause outbound call fail
- Fixed Trunk: outbound route custom dynamic route tooltips
- Fixed Trunk: outbound route custom dynamic route cannot display full details when it is too long
- Fixed Register Trunk SIP message abnormal behavior issue when "TEL URI" option is enabled
- Fixed Register Trunk NAT tooltips misleading issue
- Fixed Register Trunk extension NAT option does not take effect when transport set to TCP
- Fixed Register Trunk will switch to alternative IP when UCM receives any 5xx and 6xx response
- Fixed Register Trunk: UCM doesn't send registration update at desired timer
- Fixed Register Trunk: UCM doesn't send correct caller ID and name
- Fixed Callback outbound password doesn't take effective when using DISA in callback
- Fixed Active Call page will display incorrect call forward status when "Auto Record" is enabled
- Fixed Active Call page will display incorrect call log when two extensions dial to parking lot
- Fixed Active Call page will generate two call records when answering ring group calls using feature code
- Fixed Active Call page will display incorrect extension when call forward is enabled
- Fixed Active Call page abnormal display when calling into paging / intercom extension
- Fixed Active Call callee carries caller's caller ID name for CC feature
- Fixed Active Call page fax extension display issue
- Fixed Active Call page IAX extension callee ID and name display issue
- Fixed Active Call page doesn't display corresponding spy mode
- Fixed Active Call will display callee as unknown when using one key dial to reach voicemail
- Fixed Active Call page will display two records when follow me members enable auto recording
- Fixed Active Call page display issue after clicking Apply Changes
- Fixed Active Call page cannot hangup when monitored extension becomes abnormal
- Fixed Active Call page display issue when callee enables ring both
- Fixed Active Call page display issue when a call is transferred to call queue operator extension
- Fixed Active Call page display issue when call queue or ring group has IAX extension member answers the call
- Fixed Active Call FXO port shows in use when removing PSTN line from UCM
- Fixed Active Call doesn't have error prompt when monitoring non registered extension
- Improved Active Call page display for transfer call
- Improved Active Call page display for direct dial extension when calling through register trunk
- Fixed CDR display issue when CCSS call is rejected
- Fixed CDR caller number tooltips error
- Fixed CDR MCB invite doesn't have independent record
- Fixed CDR and voice recording not show callee issue if analog line has no CID
- Fixed CDR inbound route mode 1 will have incorrect record
- Fixed CDR recording stops after a call is parked
- Fixed CDR incorrect record when dialing FXS extension through paging / intercom group
- Fixed CDR incorrect record when using follow me for remote extension

- Fixed CDR cannot display ring group record when all members in the ring group rejects the call
- Fixed CDR cannot display trunk name when inbound call coming through analog / digital trunk
- Fixed CDR: GXP2160 doesn't generate record when using line button to dial
- Fixed CDR: invite IAX / FXS extension into conference room will have extra CDR record
- Fixed CDR incorrect record for call queue members
- Fixed CDR display error when filter using SIP call
- Fixed CDR incorrect record when calling into IVR has no extension number
- Fixed CDR peer / IAX trunk will generate two records
- Fixed CDR generates two records when follow me member has FXS / IAX extension
- Fixed CDR callee displays as 's' when it is a FAX extension coming through IVR
- Fixed CDR search result doesn't match search settings
- Fixed CDR doesn't generate record when using FXS extension
- Fixed CDR will display no call detail if call prefix contains character '#'
- Fixed CDR display issue when user calls conference room
- Fixed CDR display issue when creating customized prompt
- Fixed CDR display issue when ring simultaneously for external number is enabled
- Fixed CDR display issue when using dial by name on inbound call
- Fixed CDR doesn't have call details when using AMI command originate calls
- Fixed CDR FXS extension ring simultaneously will have incorrect record when ring simultaneously is enabled
- Fixed CDR will have incorrect record when inbound call to external number
- Fixed CDR: Chinese caller ID name will cause CDR record missing
- Fixed CDR: incoming call from analog trunk without CID will cause no CDR and voice record
- Fixed CDR API: setting TLS bind address to IP or domain will cause error prompt issue
- Fixed CDR API: cannot delete permitted IP address
- Fixed CDR API: Sub_CDR_1 field is duplicated in download JSON file
- Fixed Extension Can Reinvite tooltips issue
- Fixed Extension Caller ID Name option incorrect tooltips issue
- Fixed Extension enable WebRTC option language error
- Fixed Extension: cannot reboot phone when AuthID is different than Extension number
- Fixed Extension: incorrect WebRTC option in IAX and FXS extension page
- Fixed IAX Extension: batch add IAX extension shows "wrong account or password"
- Fixed IAX and FXS extension does not send account name when using Email to User
- Fixed FXS extension voicemail doesn't require password issue
- Fixed FXS extension web page error prompt when modifying analog station
- Fixed FXS Hotline option doesn't have default value
- Fixed FXS echo canceler doesn't work on flash dial
- Fixed Basic Call wrong CID for internal calls when Ring Simultaneously is enabled
- Fixed Basic Call drops because SIP INFO is rejected by UCM
- Fixed Basic Call ring simultaneously with external number will cause CID display issue
- Fixed Basic Call cannot record 3-way conference

- Fixed Basic Call cannot use feature code *0 to cancel attend transfer
- Fixed Basic Call error prompt when using feature code *40 to add blacklist
- Fixed Basic Call attend transfer Chinese language prompt error
- Fixed Basic Call: parking call in occupied parking lot will connection two calls together
- Fixed Basic Call: UCM cannot differentiate a call received on specific inbound route
- Fixed Basic Call: extension will have abnormal status when previously delete and re-create the same extension
- Fixed Basic Call: UCM cannot display extension status correctly when extension re-register on UCM
- Fixed Basic Call: UCM cannot display extension status correctly after UCM reboots
- Fixed Basic Call: video call with different codec will cause preview display abnormal
- Fixed Basic Call: codec negotiation will fail if UCM has 183 response
- Fixed Basic Call: cancel call from caller side when callee enables unconditional forward will cause UCM crash
- Fixed Basic Call: blind transfer will cause UCM to display incorrect caller ID
- Fixed Basic Call: CCSS fail to call back when TEL URL via trunk is enabled
- Fixed Basic Call: CCSS publish message exception caused system crash
- Fixed Basic Call: UCM doesn't use same codec from negotiation when receiving 183 response
- Fixed Basic Call: caller ID number will cause CCSS fail
- Fixed Basic Call: time condition doesn't take effect
- Fixed Basic Call: hold call feature issue
- Fixed BLF&Eventlist: when one member picked up call from Ring Group, UCM didn't send NOTIFY message to other members
- Fixed BLF&Eventlist: cannot monitor remote parking lot when outbound pattern is prefixed with '0_'
- Fixed BLF&Eventlist: UCM will reply incorrect expire when subscribe updates in dialog
- Fixed BLF&Eventlist: UCM will send notify to private IP address when NAT option is enabled
- Fixed BLF&Eventlist: UCM will send second refresh subscribe to private IP address when NAT option is enabled
- Fixed ZeroConfig: GXV3275 auto answer call-info preview error
- Fixed ZeroConfig: GXV3240 template doesn't show extension board settings
- Fixed ZeroConfig: GXV3140 has error web access mode p value from UCM
- Fixed ZeroConfig: GXP2140 device missing account 2 option in custom config page
- Fixed ZeroConfig: GXP2135 template doesn't include in model template list
- Fixed ZeroConfig: GXP1610 XML template caused CGI crash
- Fixed ZeroConfig: GXP1625 cannot auto pick extension from UCM
- Fixed ZeroConfig: GXP1600 series cannot obtain LDAP phonebook XML file from UCM
- Fixed ZeroConfig: GXP1628 upgrade method issue
- Fixed ZeroConfig: GXP2200 fail to auto assign extension after deleting the original extension
- Fixed ZeroConfig: GXP2200 preview and web access mode doesn't match
- Fixed ZeroConfig: GAC2500 cannot auto assign and pick up extension
- Fixed ZeroConfig: DP715 NAT traversal doesn't have UPNP option
- Fixed ZeroConfig: GSWave cannot obtain correct p value for auto answer from UCM

- Fixed ZeroConfig doesn't display null when extension number is not set
- Fixed ZeroConfig cannot auto discover in VLAN
- Fixed ZeroConfig deleting device from zero config page will cause error prompt
- Fixed ZeroConfig disabled template still shows as active in the template list
- Fixed ZeroConfig global policy tooltips multi-language issue
- Fixed ZeroConfig global policy doesn't display XML phone book size
- Fixed ZeroConfig global policy XML phone error prompt language display issue
- Fixed ZeroConfig global policy set to manual cannot display related configuration options
- Fixed ZeroConfig global policy allow to upload all file format as firmware
- Fixed ZeroConfig global policy allow to upload all file format as XML phone book file
- Fixed ZeroConfig global policy error prompt when deleting template
- Fixed ZeroConfig global policy has incomplete tooltips
- Fixed ZeroConfig cannot modify MPK and MPK EXT board settings
- Fixed ZeroConfig cannot redirect user to zero config page when zero config is disabled
- Fixed ZeroConfig doesn't support concurrent registration
- Fixed ZeroConfig reboot the device on extension page caused crash
- Fixed ZeroConfig doesn't support concurrent registration
- Fixed ZeroConfig will auto assign deleted extension to device
- Fixed ZeroConfig cannot provision devices when UCM has class B IP address
- Fixed ZeroConfig abnormal display when template name has special characters
- Fixed ZeroConfig account preview doesn't match config file
- Fixed ZeroConfig: some IP will cause error prompt "unable to update your request"
- Fixed ZeroConfig cannot set device IP in range of 172.16.0.255 and 172.16.1.0
- Fixed ZeroConfig auto discover will fail if DHCP server has changed
- Fixed ZeroConfig auto discover cannot display class B range IP address
- Fixed ZeroConfig abnormal display when reset model template LDAP phone book to default
- Fixed ZeroConfig vulnerability about HTTP header injection
- Fixed ZeroConfig extension cannot display in device list
- Fixed ZeroConfig auto discover issue
- Fixed ZeroConfig pick up extension requires device to reboot when updating from model update page
- Fixed Voicemail: Skip Voicemail Password Authentication is still active when voicemail is disabled
- Fixed Voicemail: UCM sends email to member whose voicemail box is full
- Fixed Voicemail: reply voice message to sender through peer trunk will fail
- Fixed Voicemail: UCM will save voicemail for deleted extension
- Fixed Voicemail: status doesn't display extension voicemail after UCM reboots
- Fixed Voicemail: email attachments invalidity issue
- Fixed LDAP QR code doesn't contain public IP address
- Fixed LDAP cannot auto fill in extension last name when importing VCF format phonebook
- Fixed LDAP mobile, home and fax number cannot contain character "-"
- Fixed LDAP doesn't stop sending request after timeout when LDAP sync fails
- Fixed Backup doesn't have complete CDR information

- Fixed Backup cannot restore default extension music on hold after factory reset
- Fixed Backup cannot display file list on USB
- Fixed Backup cannot fully restore backup files
- Fixed Backup: no error prompt when trying to download backup file when external media is unplugged
- Fixed Backup: cannot restore MOH when restoring voice prompt files
- Fixed Backup: deleted IVR still existed in the backup file causing callback issue
- Fixed Backup: refreshing web UI during backup will cause UCM fails to reboot
- Fixed IVR dial '0' for operator voice prompt incorrect issue
- Fixed IVR cannot record new prompt from extension issue
- Fixed IVR time out and invalid destination CDR display incorrect issue
- Fixed Conference: joining conference doesn't hear voice prompt issue
- Fixed Conference: muted member cannot be displayed on web UI
- Fixed Conference background noise not handled correctly issue
- Fixed Conference no join tone after user is invited to conference room
- Fixed Conference busy tone is too long when user rejects the invitation
- Fixed Conference meeting time is not accurate issue
- Fixed Conference invited member bridging local MCB will fail
- Fixed Conference playing MOH music when invited member holds the conference
- Fixed Conference MOH can be initiated from any joined users
- Fixed Conference DTMF inband password doesn't work for remote conference room
- Fixed Conference admin privilege user can clean up conference schedule
- Fixed Conference mute all option can mute other administrators in the same conference room
- Fixed Conference doesn't play hold music issue when single member in the conference room
- Fixed Conference admin press '*' doesn't play correct prompt
- Fixed Conference members who are invited from web UI into the conference room cannot use conference menu
- Fixed Conference: incorrect first name in the email when receiving invitation at remote side for scheduled conference
- Fixed Conference SIP subscription is not cleared when an invited user rejects the call
- Fixed Conference choppy voice when both PCMU and G722 codec are used in conference room
- Fixed Conference: recording is always activated even auto recording options is disabled
- Fixed Conference: admin cannot hear voice prompt when entering conference room as first person
- Fixed Conference: web UI doesn't update status when members are mute / unmute by admin using *83
- Fixed Conference: web UI doesn't update status when admin lock / unlock conference room
- Fixed Conference schedule can still add MCB when scheduled conference has reached maximum capacity
- Fixed Conference scheduled cannot count invited members properly when they are not available
- Fixed Conference schedule doesn't sort the local extension
- Fixed Conference schedule error prompt when scheduling conference time

- Fixed Conference schedule email invitation has password when password is not required
- Fixed Conference CCM: invited user cannot use CCM menu when “Enable User Invite” is enabled
- Fixed Conference CCM: lock / unlock conference using CCM / web UI doesn’t play voice prompt
- Fixed Conference CEI: GXP user fails to display conference info when more than 24 members are in the conference room
- Fixed Conference CEI memory leak issue when members join the conference and subscribe CEI
- Fixed Conference CEI notify doesn’t carry invite status when “Enable User Invite” is enabled
- Fixed Conference CEI count error after MCB is created or kicked
- Fixed Conference CEI MCB cannot display remote user
- Fixed Conference CEI cannot show remote conference after MCB via SIP register trunk
- Fixed Conference CEI doesn’t take effect when UCM restarts
- Fixed Conference CEI doesn’t update mute / unmute status
- Fixed Conference CEI user subscription doesn’t clear up after being kicked out of the conference room
- Fixed Conference CEI: customized caller ID will cause conference CEI display abnormal
- Fixed Conference CEI: UCM will crash when user kicks MCB which has unsuccessful CEI re-subscription
- Fixed Conference CEI: UCM doesn’t send notify to member who is kicked by using feature code */8/2
- Fixed Conference CEI: abnormal encode header in NOTIFY message when more than 19 members join local conference and subscribe CEI
- Fixed Conference CEI: when more than 32 members join and leave conference with CEI enabled will cause UCM system crash
- Fixed SLA will have miss call record when inbound call to SLA station
- Fixed PBX Status display issue when ring group members are no longer available
- Fixed PBX Status call queue member display issue
- Fixed PBX Status CGI disconnect and abnormal display
- Fixed PBX LDAP server web UI Spanish display issue
- Fixed PBX office/holiday web page language prompt error
- Fixed PBX FXS status display error
- Fixed SPY Whisper mode abnormal behavior when trying to monitor idle extension
- Fixed SPY plays error extension number when monitoring FXS extension
- Fixed SPY: call barging display issue when monitoring external number
- Fixed SPY: monitoring invalid extension doesn’t have error prompt
- Fixed SPY: voice prompt is incorrect when using feature code to monitor FXS extension
- Fixed SPY: monitored extension set to unconditional forward will cause web UI display two identical calls in active call page
- Fixed Follow me: using feature code *80 / *81 to call follow me members will cause web UI display two identical calls in active call page
- Fixed Follow me: voice prompt error when default destination is IVR
- Fixed Troubleshooting capture filter can have special characters
- Fixed voice prompt doesn’t match web UI language selection

- Fixed WebRTC smart route enable destination option to gray
- Fixed WebRTC: special characters in the TURN server password will cause prompt fail to update data
- Fixed WebRTC: tooltips issue for “Max bandwidth” option in Chinese
- Fixed Google service will stop working when restore backup file
- Fixed Fax file name multi-language display issue
- Fixed Paging Intercom tool tips typo
- Fixed Paging Intercom feature code *81 doesn’t work issue
- Fixed Paging Intercom cannot display caller ID name issue
- Fixed Paging Intercom abnormal behavior after reset user data when Paging Intercom has customized prompt
- Fixed Ring Group cannot modify extension number when ring group voice mail is enabled
- Fixed Ring Group ring in order issue when there are remote members in the ring group
- Fixed Ring Group call will drop in 20 seconds when the call is transferred to extension’s voicemail
- Fixed Upgrade: upgrade has a low chance will fail when upgrade to latest firmware
- Fixed Fax / T.38 has incorrect tooltips
- Fixed Fax / T.38 doesn’t work correctly on SIP trunk
- Fixed System Event: alert contacts can apply same email address when change different web UI language
- Fixed System Event: incorrect alert for “SIP Outgoing Call Through” prompt
- Fixed System Event will generate SIP Lost Registration alert to unregistered extension
- Fixed System Event doesn’t generate SIP fail warning when registration failed
- Fixed System Event warning email notification can be enabled when email address is not set
- Fixed System Event Disk Usage alert only detects data partition
- Fixed System Crash caused by no SDP content in SIP INVITE header
- Fixed System is vulnerable to XSS attack
- Fixed System: DNS query caused system crash
- Fixed DISA: call completion mode will cause user fail to use DISA
- Fixed DISA call will enter voicemail when DISA call is being transferred and hung up
- Fixed AMI: originating a call from AMI interface cannot leave a voicemail when callee rejects the call
- Fixed Operation log: IVR key event language display abnormal
- Fixed Operation log: super admin login to UCM doesn’t generate operation log
- Fixed Operation log: some operations don’t have page detail in operation log
- Fixed Operation log tooltips unclear issue
- Fixed Operation log: IP address doesn’t have valid format restriction
- Fixed Setup Wizard register trunk with cannot be saved with some specific settings
- Fixed NAT: UCM IP NAT update issue
- Fixed SIP option request is rejected with 403 response
- Updated bundle of CA root certificates
- Fixed E1/T1/J1: missing last digit when prepending prefix for trunk
- Fixed E1/T1/J1: cannot apply different signaling method
- Fixed E1/T1/J1: inbound call failed when DID pattern sets to “x./!”

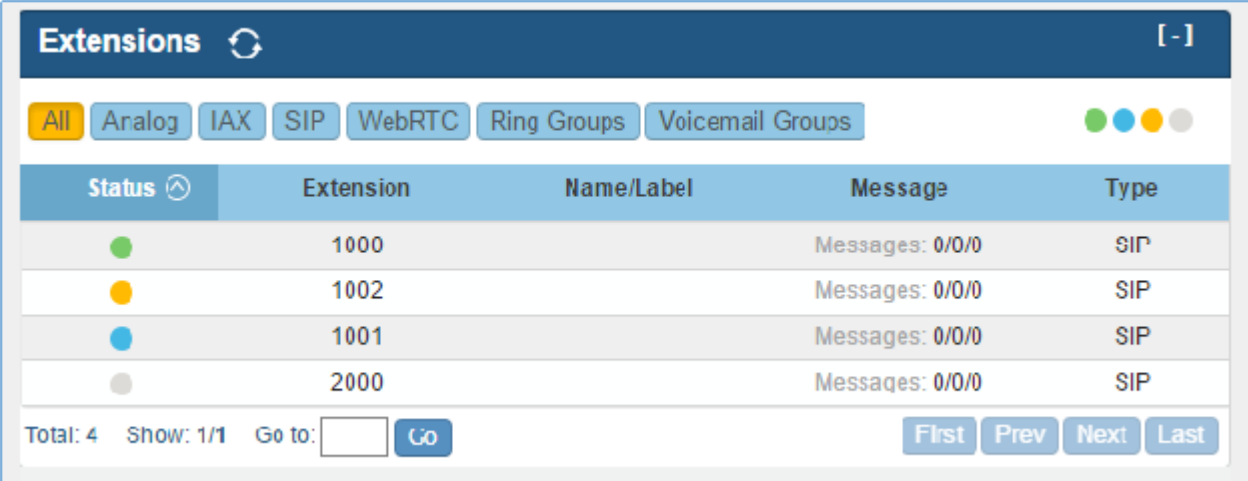
- Fixed E1/T1/J1: UCM will send out wrong caller ID when local and remote side has same extension
- Fixed E1/T1/J1: UCM crash when calling into conference using E1 PRI signaling
- Fixed E1/T1/J1: active call page will display incorrect caller ID when switching between PRI and EM

NEW FEATURES OVERVIEW

This section lists major new features and describes how to use it from the user's point of view.

EXTENSION STATUS IMPROVEMENT

The UCM6510 has new layout for extension status under web UI. Extensions will be automatically sorted based on their status: idle, ringing, talking or unavailable, and display them accordingly on the web UI status section.



Status	Extension	Name/Label	Message	Type
●	1000		Messages: 0/0/0	SIP
●	1002		Messages: 0/0/0	SIP
●	1001		Messages: 0/0/0	SIP
●	2000		Messages: 0/0/0	SIP

Total: 4 Show: 1/1 Go to: Go First Prev Next Last

FEATURE CODE SELECTION IMPROVEMENT

The UCM6510 now allows user to one click enable / disable specific feature code. To configure this feature, please navigate to web UI-> PBX->Internal Options->Feature Codes->Feature Codes.

Feature Codes		
<input type="button" value="Reset All"/> <input type="button" value="Default All"/>		
Voicemail Access Code:	*98	<input checked="" type="checkbox"/>
Agent Pause:	*83	<input checked="" type="checkbox"/>
Paging Prefix:	*81	<input checked="" type="checkbox"/>
Blacklist Add:	*40	<input checked="" type="checkbox"/>
Call Pickup on Ringing:	**	<input checked="" type="checkbox"/>
Direct Dial Voicemail Prefix:	*	<input checked="" type="checkbox"/>
My Voicemail:	*97	<input checked="" type="checkbox"/>
Agent Unpause:	*84	<input checked="" type="checkbox"/>
Intercom Prefix:	*80	<input checked="" type="checkbox"/>
Blacklist Remove:	*41	<input checked="" type="checkbox"/>
Pickup Extension:	*8	<input checked="" type="checkbox"/>
Call Completion Request:	*11	<input checked="" type="checkbox"/>

By default, all the feature codes are enabled. Unchecking the box will disable the feature code.

URUGUAY TIME ZONE SUPPORT

Uruguay time zone with day light saving is now supported on the UCM6510. This feature can be found under web UI-> Settings->Time Settings->Auto Time Updating->Time Zone from the time zone list.

Settings >> Time Settings >> Auto Time Updating

Auto Time Updating

Remote NTP Server:

Enable DHCP Option 2: ☒

Enable DHCP Option 42: ☒

Time Zone: GMT-08:00 (US Pacific Time, Los Angeles)

Self-Defined Time Zone:

- GMT-04:00 (Atlantic Time)
- GMT-04:00 (Atlantic Time (New Brunswick))
- GMT-03:30 (Newfoundland Time)
- GMT-03:00 (Greenland)
- GMT-03:00 (Brazil, Sao Paulo)
- GMT-02:00 (Argentina)
- GMT-03:00 (Uruguay time)**
- GMT-02:00 (Uruguay daylight saving time)**
- GMT-02:00 (Mid-Atlantic)
- GMT-01:00 (Azores, Cape Verde Is.)
- GMT (Edinburgh, Casablanca, Monrovia)
- GMT (London, Great Britain)
- GMT (Lisbon, Portugal)
- GMT (Dublin, Ireland)
- GMT+01:00 (Roma, Paris, Madrid, Prague, Berlin, ...)
- GMT+01:00 (Brussels, Vienna, Warsaw)
- GMT+02:00 (Israel, Cairo, Athens, Istanbul, Bucharest)
- GMT+02:00 (Helsinki, Athens, Tallinn)
- GMT+02:00 (Kyiv, Ukraine)
- GMT+03:00 (Kuwait, Baghdad, Tehran, Nairobi)

DISTINGCTIVE RING TONE SUPPORT

The UCM6510 now supports to have distinctive ring tone when an inbound call is coming from call queue / IVR / inbound route / extension. Users can configure the “alert-info” filed to select different ring tone for a specific incoming call.

1. Call Queue configuration, please navigate to web UI->PBX->Call Features->Call Queue->Create New Queue/Edit Queue->Queue Options->Alert-Info.

Queue Options	
Ring Timeout* :	15
Retry Time* :	5
Max Queue Length* :	0
Wait Time:	<input type="checkbox"/>
Enable Destination:	Disable
Fail Over Destination* :	Extension 1000
Alert-Info:	None
Wrapup Time* :	15
Report Hold Time:	<input type="checkbox"/>
Auto Record:	<input type="checkbox"/>
Queue Timeout* :	60
Enable Feature Codes:	<input type="checkbox"/>

2. IVR configuration, please navigate to UI->PBX->Call Features->IVR->Create New IVR/Edit IVR->Alert-Info.

Create New IVR

Basic Settings
Key Pressing Events

① Name*:

① Extension:

① Dial Trunk:
☐

① Dial Other Extensions:

☒ Extension

☐ Conference

☐ Call Queue

☐ Ring Group

☐ Paging/Intercom Groups

☐ Voicemail Groups

☐ Fax Extension

☐ Dial By Name

☐ All

① Alert-Info:

None
▼

① Welcome Prompt:

welcome
▼

Prompt

① Digit Timeout*:

① Response Timeout*:

① Response Timeout Prompt:

ivr-create-timeout
▼

Prompt

① Invalid Prompt:

invalid
▼

Prompt

① Response Timeout Repeat Loops:

3
▼

Cancel
Save

3. Inbound route configuration, please navigate to web UI->PBX->Basic / Call Routes->Inbound Routes->Create New Inbound Routes/Edit Inbound Routes->Alert-Info.

Create New Inbound Rule X

Trunks*: SIPTrunks -- test1

DID Pattern*:

/

Prepend Trunk Name: ☐

Prepend User Defined Name: ☐

Alert-Info: None

Inbound Multiple Mode: ☐

4. Extension configuration, please navigate to web UI->PBX->Basic / Call Routes->Extension->Create / Edit Extension->Media to configure Alert-info.

Edit Extension: 1000

Basic Settings | **Media** | Features | Specific Time

SIP Settings

NAT: ☒ Can Direct Media: No

DTMF Mode: RFC2833 TEL URI: Disabled

Enable Keep-alive: ☐ Keep-alive Frequency*: 60

Alert-Info: None Fax Mode: None

Enable T.38 UDPTL: ☐ SRTP: Disabled

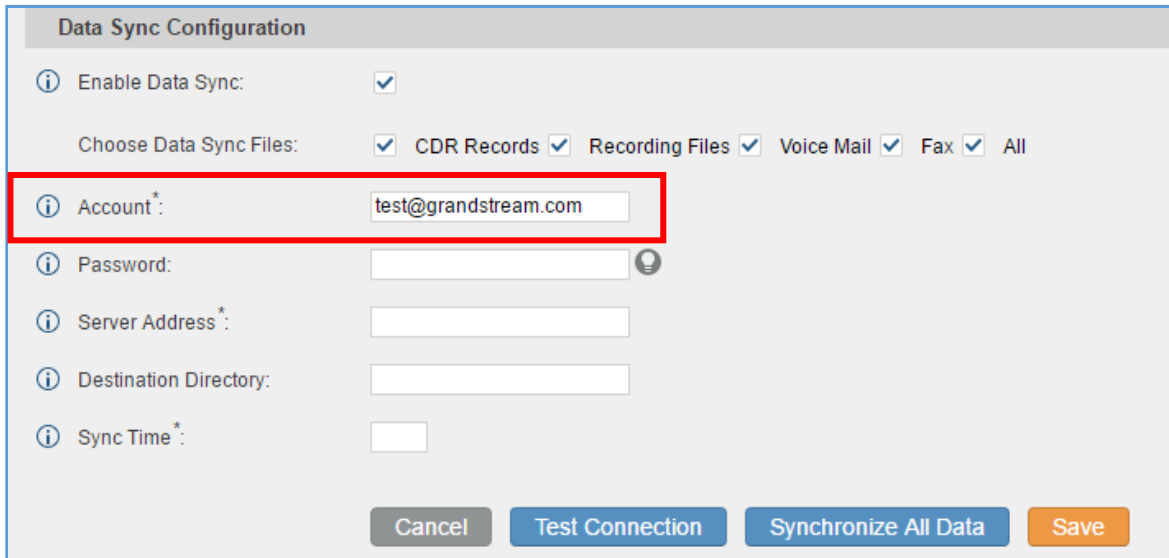
Strategy: Allow All

Codec Preference:

Available Codecs		Selected Codecs
AAL2-G.726-32	⊗	PCMU
ADPCM	⊗	PCMA
G.723	⊗	GSM
H.263	⊗	G.726
H.263p	⊗	G.722

SFTP CLIENT ACCOUNT SPECIAL CHARACTRE SUPPORT

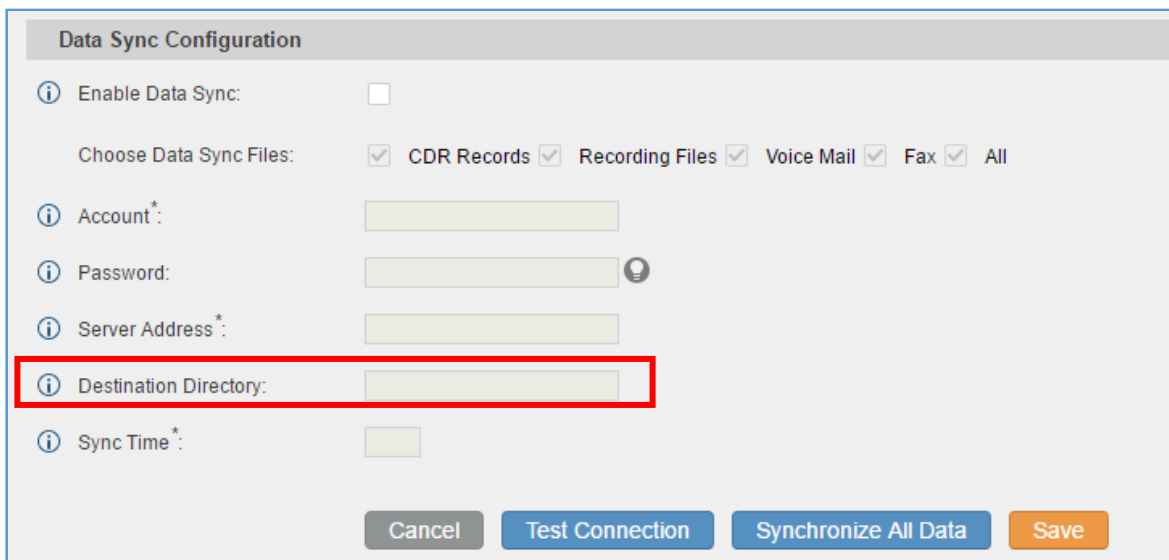
The UCM6510 now supports special characters for SFTP client account, such as @ or '.'. This change allows user to use email address as SFTP accounts. To configure this feature, please navigate to web UI->Maintenance->Backup->Data Sync->Account.



The screenshot shows the 'Data Sync Configuration' web interface. The 'Enable Data Sync' checkbox is checked. Under 'Choose Data Sync Files', all options (CDR Records, Recording Files, Voice Mail, Fax, All) are checked. The 'Account*' field is highlighted with a red box and contains the text 'test@grandstream.com'. Other fields include 'Password:', 'Server Address*', 'Destination Directory:', and 'Sync Time*'. At the bottom are buttons for 'Cancel', 'Test Connection', 'Synchronize All Data', and 'Save'.

DESTINATION DIRECTORY

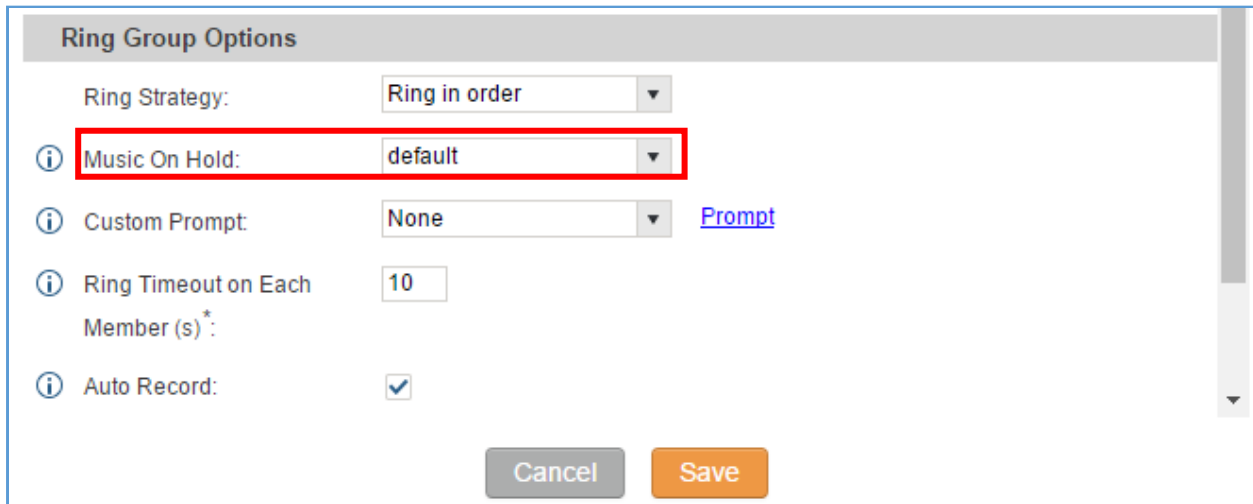
The UCM6510 now allows users to specify the destination directory on SFTP server for backup file. If the directory doesn't exist on the destination, UCM6510 will create the directory automatically. To configure this feature, please navigate to web UI->Settings->Recordings Storage->Recordings Storage. Users could choose USB, SD card or Local disk as destination.



The screenshot shows the 'Data Sync Configuration' web interface. The 'Enable Data Sync' checkbox is unchecked. Under 'Choose Data Sync Files', all options (CDR Records, Recording Files, Voice Mail, Fax, All) are checked. The 'Account*' field is empty. The 'Destination Directory:' field is highlighted with a red box and is empty. Other fields include 'Password:', 'Server Address*', and 'Sync Time*'. At the bottom are buttons for 'Cancel', 'Test Connection', 'Synchronize All Data', and 'Save'.

RING GROUP MUSIC ON HOLD

The UCM6510 now supports music on hold for ring group. Users can upload custom prompt for specific ring group. Please navigate to web UI->PBX->Call Features->Ring Group->Create New Ring Group/Edit, from the drop down menu, select the hold music from music on hold class to play for the ring group.

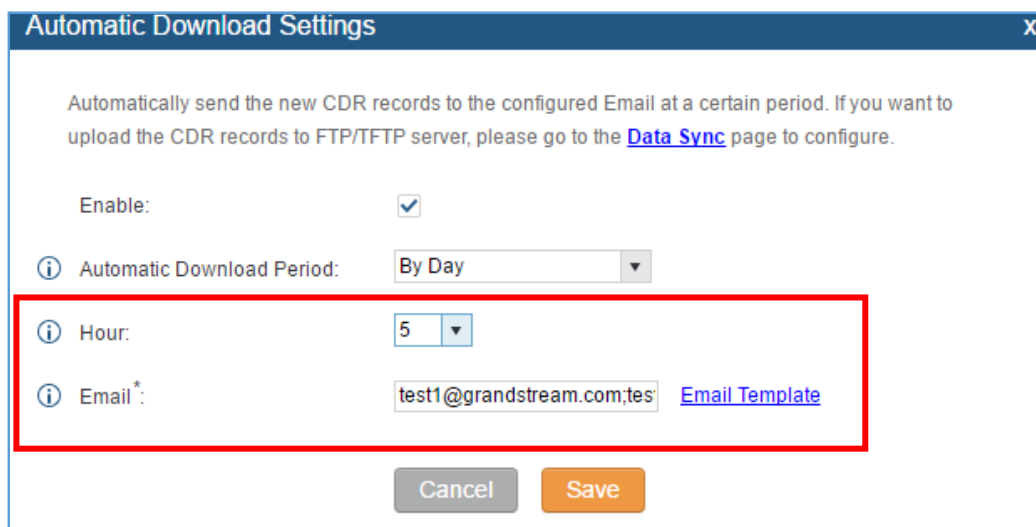


The image shows a 'Ring Group Options' configuration window. It contains several settings: 'Ring Strategy' is set to 'Ring in order'; 'Music On Hold' is set to 'default' and is highlighted with a red rectangle; 'Custom Prompt' is set to 'None' with a 'Prompt' link next to it; 'Ring Timeout on Each Member (s)*' is set to '10'; and 'Auto Record' is checked. At the bottom are 'Cancel' and 'Save' buttons.

Ring Strategy:	Ring in order
Music On Hold:	default
Custom Prompt:	None Prompt
Ring Timeout on Each Member (s)*:	10
Auto Record:	<input checked="" type="checkbox"/>

CDR MULTI EMAIL AND SPECIFIC TIME DOWNLOAD SUPPORT

The UCM6510 now supports CDR multiple email recipients and ability to configure specific hour to receive the CDR record. To have more than one email recipients, please separate each email address by semi-colon. If hour field is configured, UCM6510 will send out CDR at specified time. To configure this option, please navigate to web UI->Status->CDR->CDR->Automatic Download Settings.

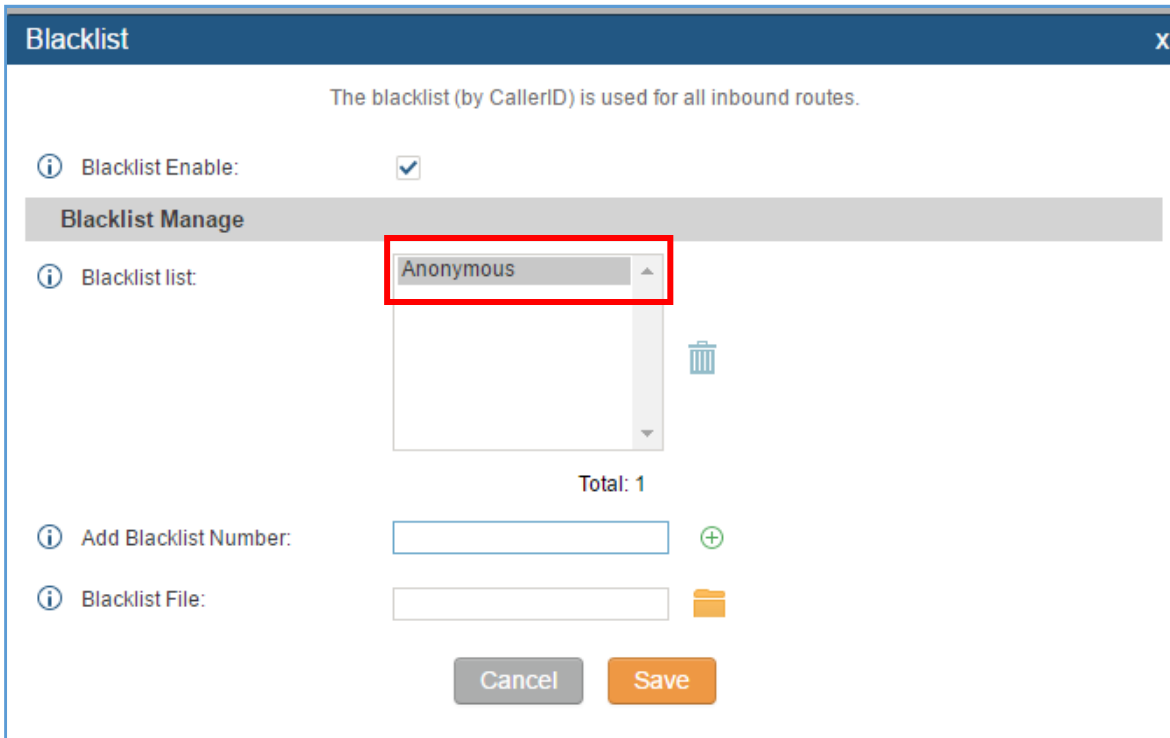


The image shows an 'Automatic Download Settings' window. It includes a description: 'Automatically send the new CDR records to the configured Email at a certain period. If you want to upload the CDR records to FTP/TFTP server, please go to the [Data Sync](#) page to configure.' The settings are: 'Enable' is checked; 'Automatic Download Period' is set to 'By Day'; 'Hour' is set to '5' and is highlighted with a red rectangle; 'Email*' is set to 'test1@grandstream.com;tes' with an 'Email Template' link next to it. At the bottom are 'Cancel' and 'Save' buttons.

Enable:	<input checked="" type="checkbox"/>
Automatic Download Period:	By Day
Hour:	5
Email*:	test1@grandstream.com;tes Email Template

BLACKLIST ANONYMOUS CALL BLOCK

The UCM6510 supports users to add “Anonymous” caller to Blacklist to block calls which do not have caller ID and caller ID name. To configure this feature, please navigate to web UI->PBX->Basic->Inbound Routers->Blacklist->Add Blacklist Number. Users should type in “Anonymous” to enable this feature.



EVENTLIST: SORTING SELECTED EXTENSION

The UCM6510 now supports sorting selected extension manually in eventlist. Users can now arrange the order of selected extensions. This feature can be found under web UI-> PBX-> Call Features-> Eventlist.

Edit Event List : TestEventList
X

i URI*:

i Local Extensions:

Available Extensions/Extension Groups

1003
1004
1005
1006
1007

>
>
<
<

Selected Extensions/Extension Groups

1000
1002
1001

⊗
⬆
⬆
⬆
⬆

i Remote Extensions:

Available Extensions

>
>
<
<

Selected Extensions

⊗
⬆
⬆
⬆
⬆

WEB UI LOGIN IMPROVMENT

The UCM6510 now adds login retry limits to prevent brutal force decryption. Users can configure maximum failed login attempts, once the limit is reached, the IP address will be banned for a period of time based on user's configuration. In addition, user can also add specific IP address to the white list to avoid restrictions. This feature can be found under web UI->Settings->Login Settings->Login Settings.

Login Settings

i User Login Timeout*:

i User max number of try login*:

i User prevent login time*:

Cancel
Save

Login Banned User List


No Login Banned User defined.

Login White List








Add

EMAIL TEMPLATE

The UCM6510 now supports email template for email notifications. Users can modify templates to be used in appropriate scenarios. This feature can be found under web UI->Settings->Email Settings->Email Templates.


Settings >> Email Settings >> Email Templates 

Email Templates

Type	Name	Time	Options
Conference Schedule	conference_template.html	2016-03-24 11:49:14 UTC-07:00	
Alert Events	sendAlertMail.html	2016-03-24 11:49:14 UTC-07:00	
Extension	account_template.html	2016-03-24 11:49:14 UTC-07:00	
Voicemail	voicemail_template.html	2016-03-24 11:49:14 UTC-07:00	
CDR	auto_cdr2email.html	2016-03-24 11:49:14 UTC-07:00	
Fax	fax2email.html	2016-03-24 11:49:14 UTC-07:00	
User Password	sendPasswordMail.html	2016-03-24 11:49:14 UTC-07:00	

Total: 7 Show: 1/1 Go to: Go First Prev Next Last



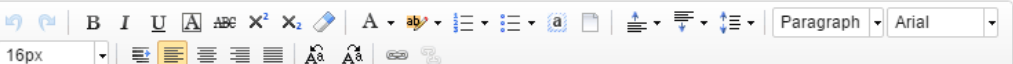
To configure an email template, simply click the  button under Options column, and edit the template as desired.

Edit Email Template: Alert Events

Template Variables: \${MAC}: MAC Address
 \${WARNING_MSG}: Warning message

Subject:

Message:



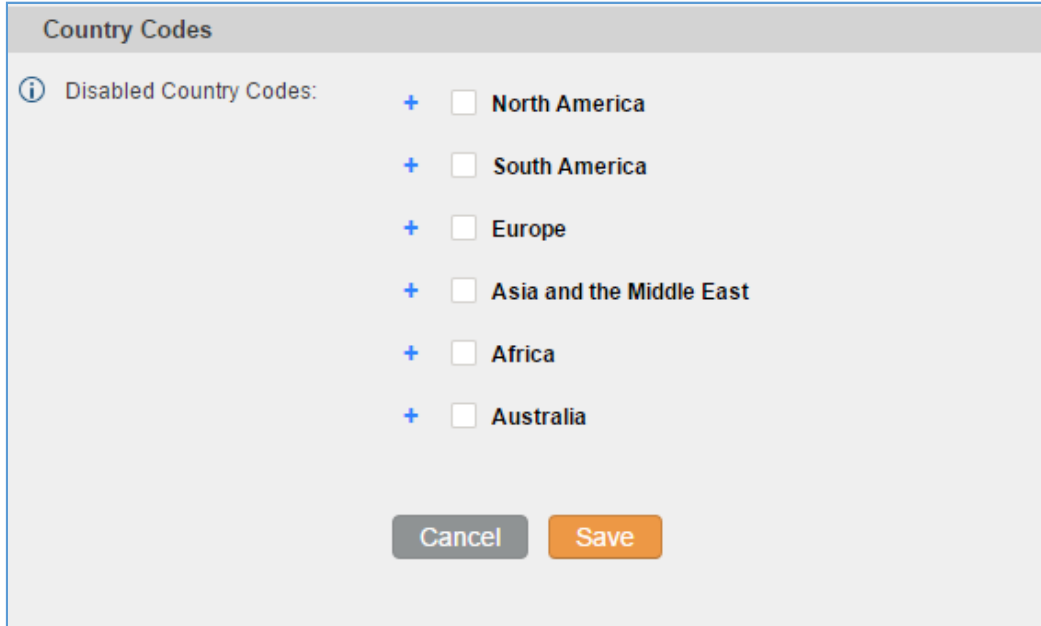
[Device Mac addr: \${MAC}]

\${WARNING_MSG}

Preview Restore Default Template

OUTBOUND ROUTE: COUNTRY RESTRICTION

The UCM6510 now allows users to put country code restrictions on specific outbound routes. Once the restriction is enabled, call to the restricted country cannot be placed on that specific trunk. To configure this feature, please navigate to web UI->PBX->Basic->Outbound Routes->Country Codes.



Country Codes

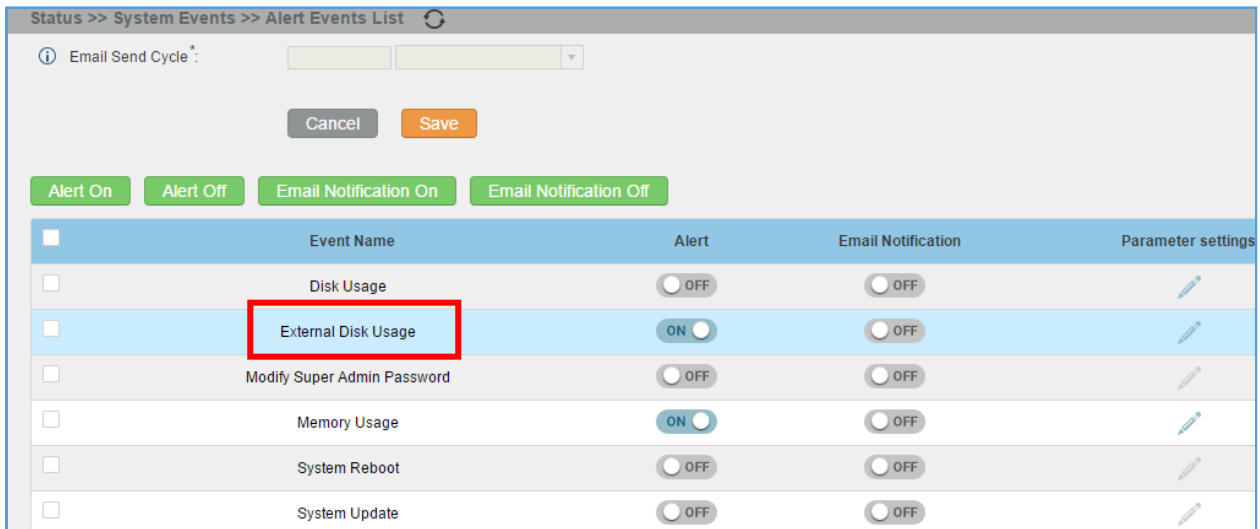
Disabled Country Codes:

- + ☐ North America
- + ☐ South America
- + ☐ Europe
- + ☐ Asia and the Middle East
- + ☐ Africa
- + ☐ Australia

Cancel Save

EXTERNAL DISK USAGE ALERT

The UCM6510 now can send alert for external disk usage. If this alert is turned on, once external disk, such as USB / SD card, reaches the predetermined threshold, UCM6510 will send notification to email recipient. This feature can be found under web UI->Status->System Event List->External Disk Usage.



Status >> System Events >> Alert Events List

Email Send Cycle*:

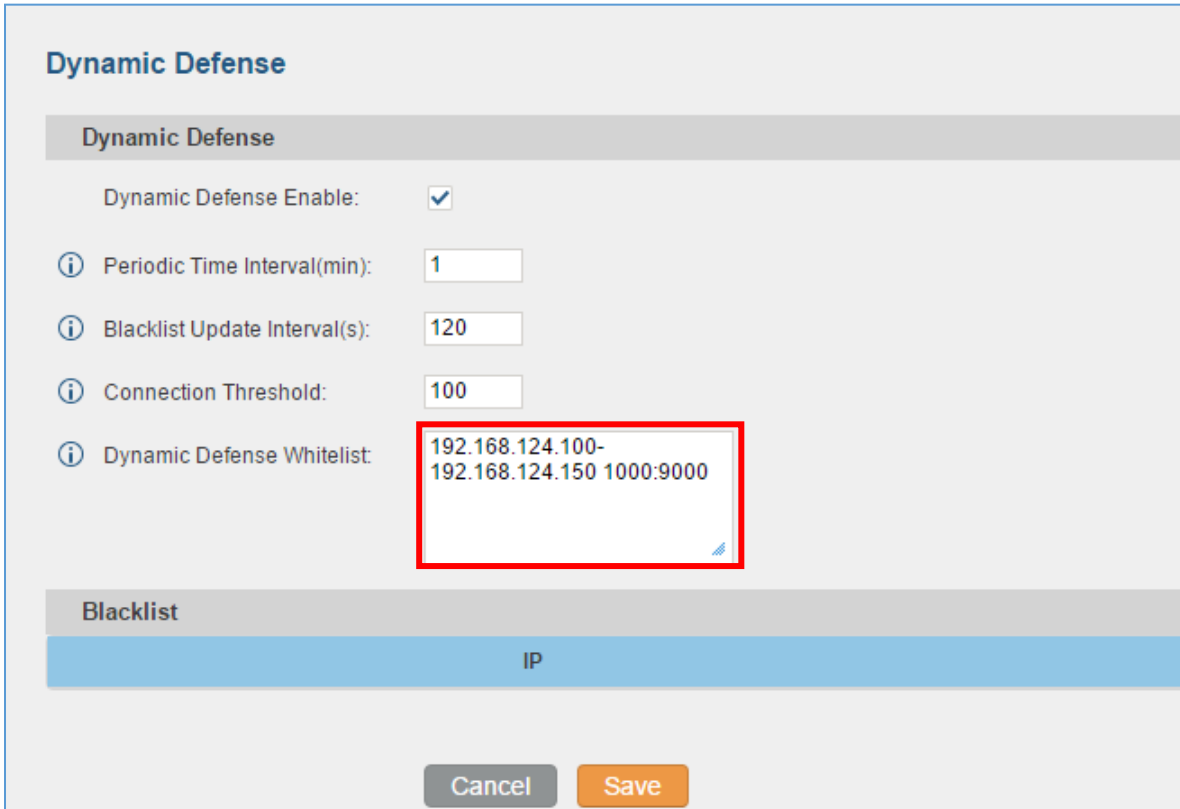
Cancel Save

Alert On Alert Off Email Notification On Email Notification Off

	Event Name	Alert	Email Notification	Parameter settings
<input type="checkbox"/>	Disk Usage	<input type="radio"/> OFF	<input type="radio"/> OFF	
<input type="checkbox"/>	External Disk Usage	<input checked="" type="radio"/> ON	<input type="radio"/> OFF	
<input type="checkbox"/>	Modify Super Admin Password	<input type="radio"/> OFF	<input type="radio"/> OFF	
<input type="checkbox"/>	Memory Usage	<input checked="" type="radio"/> ON	<input type="radio"/> OFF	
<input type="checkbox"/>	System Reboot	<input type="radio"/> OFF	<input type="radio"/> OFF	
<input type="checkbox"/>	System Update	<input type="radio"/> OFF	<input type="radio"/> OFF	

DYNAMIC DEFENSE: WHITE LIST RANGE IP SUPPORT

The UCM6510 now supports white list to filter range of IP and ports. Users can determine range of IP in the white list instead of keying in IP one by one. This feature can be found under web UI->Settings->Firewall->Dynamic Defense->Dynamic Defense.



Dynamic Defense

Dynamic Defense

Dynamic Defense Enable: ☒

Periodic Time Interval(min):

Blacklist Update Interval(s):

Connection Threshold:

Dynamic Defense Whitelist:

192.168.124.100-
192.168.124.150 1000:9000

Blacklist

IP

FAIL2BAN: BLACKLIST

The UCM6510 now supports fail2ban blacklist, users will be able to view the IPs that have been blocked by UCM6510. This feature can be found under web UI->Settings->Fail2Ban->Blacklist.




The UCM6510 now supports rebooting discovered device from zero config page. To use this feature, please navigate to web UI->PBX->Zero Config->Zero Config, by clicking the reboot button under Options tab.

PBX >> Zero Config >> Zero Config

Manage Zero Config

Auto Discover Create New Device Delete Selected Devices Modify Selected Devices Reset All Extensions


Filter: All

	MAC Address	IP Address	Extension	Version	Vendor	Model	Create Config	Options
	000B821EA200	192.168.40.249	-	1.0.14.1	GRANDSTREAM	HT503	-	    

1. To config this model, please first download it from web UI-> PBX-> Zero Config-> Model Update-> Model Template Package List-> GXP1628B.

Model Template Package List				
Vendor	Model	Version (Remote/Local)	Size	Option
Grandstream	DP750	1.0/1.0	26K	⬆
Grandstream	GAC2500	1.1/-	24K	⬇
Grandstream	GSWave	1.0/-	8.0K	⬇
Grandstream	GVC3200	1.1/-	18K	⬇
Grandstream	GVC3202	1.1/-	13K	⬇
Grandstream	GXP1100	1.0/-	729K	⬇
Grandstream	GXP1105	1.0/-	297K	⬇
Grandstream	GXP1600C	1.0/-	21K	⬇
Grandstream	GXP1628B	1.0/-	23K	⬇
Grandstream	Surveillance	1.0/-	12K	⬇
Total: 10 Show: 1/1 Go to: <input type="text"/> <input type="button" value="Go"/> <input type="button" value="First"/> <input type="button" value="Prev"/> <input type="button" value="Next"/> <input type="button" value="Last"/>				

2. After installing GXP1628B model template, Please navigate to Model Templates page to configure GXP1628B template as desired.



Model *:

GRANDSTREAM GXP1628B ▼

Template Name *:

Description:

Default Model Template:


☐

Active:

☒

PIN GROUP SUPPORT

The UCM6510 now supports pin group. Once pin group is configured, users can apply pin group to specific outbound routes. When placing a call on pin protected outbound routes, caller will be asked to input the group pin number.

PBX >> Internal Options >> PIN Groups 

PIN Groups

Create New PIN Group

Name	Record In CDR
Grandstream	yes

Total: 1 Show: 1/1 Go to: Go

Please note, if pin group is enabled on outbound route level, password, privilege level and enable filter on source caller ID will be disabled.

ⓘ Calling Rule Name *:

ⓘ Pattern *:

ⓘ Call Duration Limit: ☐

ⓘ PIN Groups:

ⓘ Password:

ⓘ Privilege Level:
Warning: Setting privilege level at 'Disabled' will lead to this rule can only be used by matched Source Caller ID.

ⓘ Enable Filter on Source Caller ID: ☐

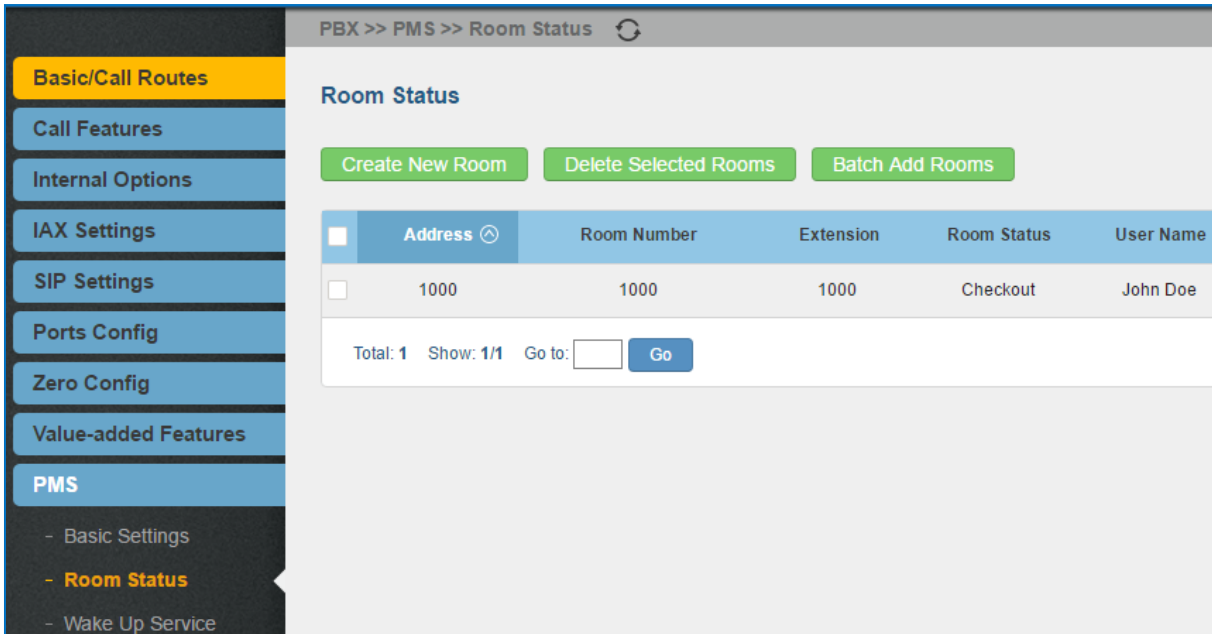
ID:

If pin group CDR is enabled, the call with pin group information will be displayed as part of CDR under Account Code field.

Call Type	Call From	Call To	Call Time	Talk Time	Account Code
DIAL	"John Doe" 1000	2000 [Trunk: TEST]	0:00:00	0:00:00	pin2/Grandstream
DIAL	"John Doe" 1000	2000 [Trunk: TEST]	0:00:00	0:00:00	pin1/Grandstream

H-MOBILE PMS SUPPORT

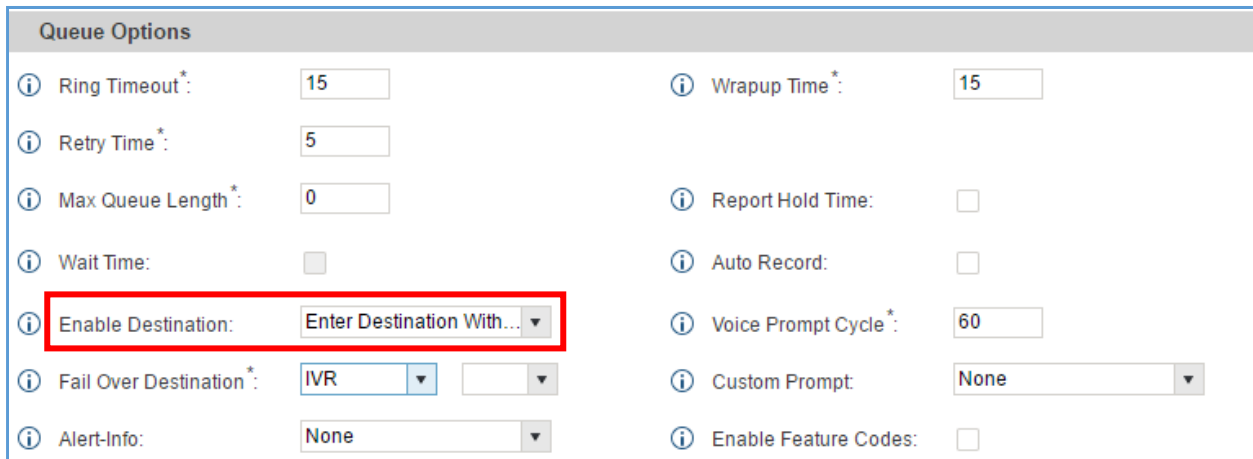
The UCM6510 now supports PMS hotel features for H-Mobile. By accessing the PMS feature, users will be able to handle / update hotel room requests, such as room check in / out, wake up call, room service request etc. To configure PMS settings, please navigate to web UI->PBX->PMS.



CALL QUEUE: CUSTOM PROMPT

The UCM6510 supports custom prompt feature in call queue. This custom prompt will active after the caller waits for a period of time in the Queue. Then caller could choose to leave a message/ transfer to default extension or keep waiting in the queue.

To configure this feature, please go to UCM web UI->PBX->Call Features->Call Queue->Create New Queue/Edit Queue->Queue Options->set Enable Destination to Enter Destination with Voice Prompt. Users could configure the wait time with Voice Prompt Cycle.



CALL QUEUE RETRY TIME

Users now can change retry time in call queue. Retry time will determine the time for a call in the call queue to wait before ringing the next agent. This feature can be found under web UI->PBX->Call Features->Call Queue, click on create / edit to modify the retry time value.

Queue Options	
Ring Timeout* :	15
Retry Time* :	5
Max Queue Length* :	0
Wait Time:	<input type="checkbox"/>
Enable Destination:	Disable
Fail Over Destination* :	Extension 1000
Alert-Info:	Bellcore-dr1
Wrapup Time* :	15
Report Hold Time:	<input type="checkbox"/>
Auto Record:	<input type="checkbox"/>
Queue Timeout* :	60
Enable Feature Codes:	<input type="checkbox"/>

ADDED ENHANCEMENT FOR ANONYMOUS CALLS ON SIP TRUNK

The UCM6510 now supports to add SIP Trunk INVITE “privacy=full” on RPID header when Anonymous call to an external number from a detected extension.

ADDED KEEP THE “CALL-INFO” SIP HEADER FROM GXP PHONE USING PAGING MODE

The UCM6510 supports GXP Phone with Paging Mode instead of dialing *81. When GXP phone using paging mode to dial, user doesn't need to dial feature code *81 for paging mode to take effect.

FIRMWARE VERSION 1.0.10.44

PRODUCT NAME

UCM6510

DATE

04/22/2016

IMPORTANT UPGRADING NOTE

- For UCM6510 that's already on 1.0.10.39 / 1.0.10.42, please upgrade to 1.0.10.44 directly using "ucm6510fw.bin" file. Backup your data (including configuration) before upgrading is highly recommended.
- For UCM6510 that's still on 1.0.2.7 (or lower), please follow upgrading instructions to upgrade to 1.0.10.44.
- Backup, Backup, Backup, yes, backup your data (including configuration) before doing any firmware upgrade! (An SD card or USB Flash Drive is needed for backup purpose.)
- For UCM6510, upgrading from firmware version 1.0.2.7 (or lower) to firmware version 1.0.10.44 directly is not supported. Please upgrade to 1.0.2.97 (in the firmware package) first, before upgrading to 1.0.10.44. The firmware upgrading process should be 1.0.2.7 (or lower) -> 1.0.2.97 -> 1.0.10.44.
- The UCM6510 will be reset to factory default settings after upgrading to 1.0.10.44. Users need restore backup file manually or re-configure after upgrade. Therefore, it is VERY IMPORTANT to manually BACKUP data on the UCM6510 before upgrade. Users will also be requested for backup when upgrading from 1.0.2.97 to 1.0.10.44.
- Once upgraded to 1.0.10.44, downgrading to 1.0.2.7 (or lower) is not supported.

CHANGES SINCE FIRMWARE VERSION 1.0.10.42

ENHANCEMENT

- Added Zero Config DP750 support

- Added Configure framing with 'esf' or 'd4' in T1/J1 (6510)

BUG FIX

- Fixed PJSIP pool caused crashing issue
- Fixed CDR auto download by month CSV file empty issue
- Fixed CDR API Sub_CDR_1 field is duplicate on JSON file

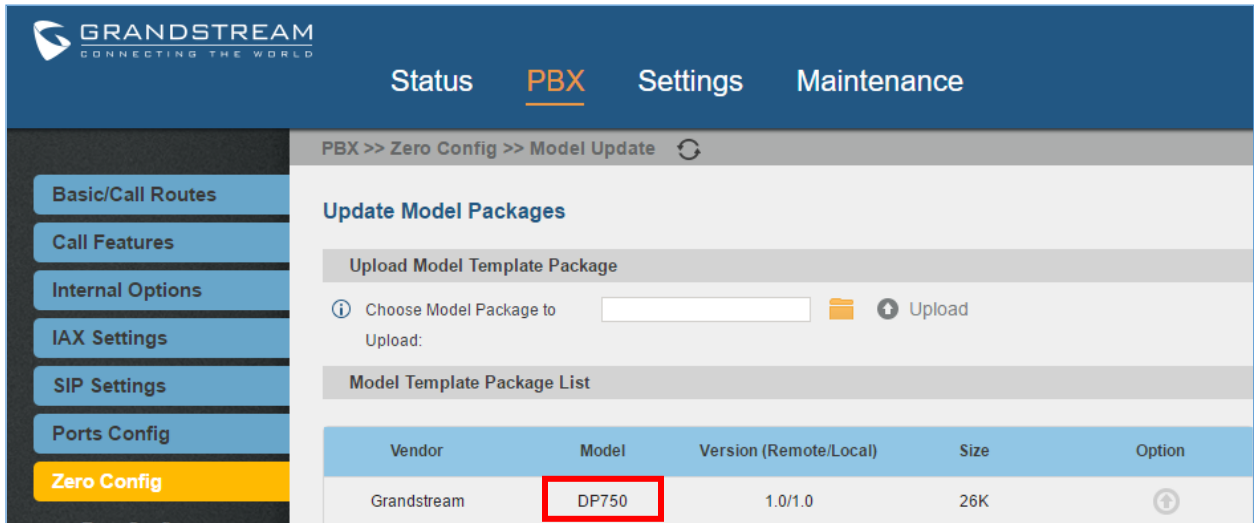
NEW FEATURES OVERVIEW


This section lists major new features and describes how to use it from the user's point of view.

ZERO CONFIG DP750 SUPPORT

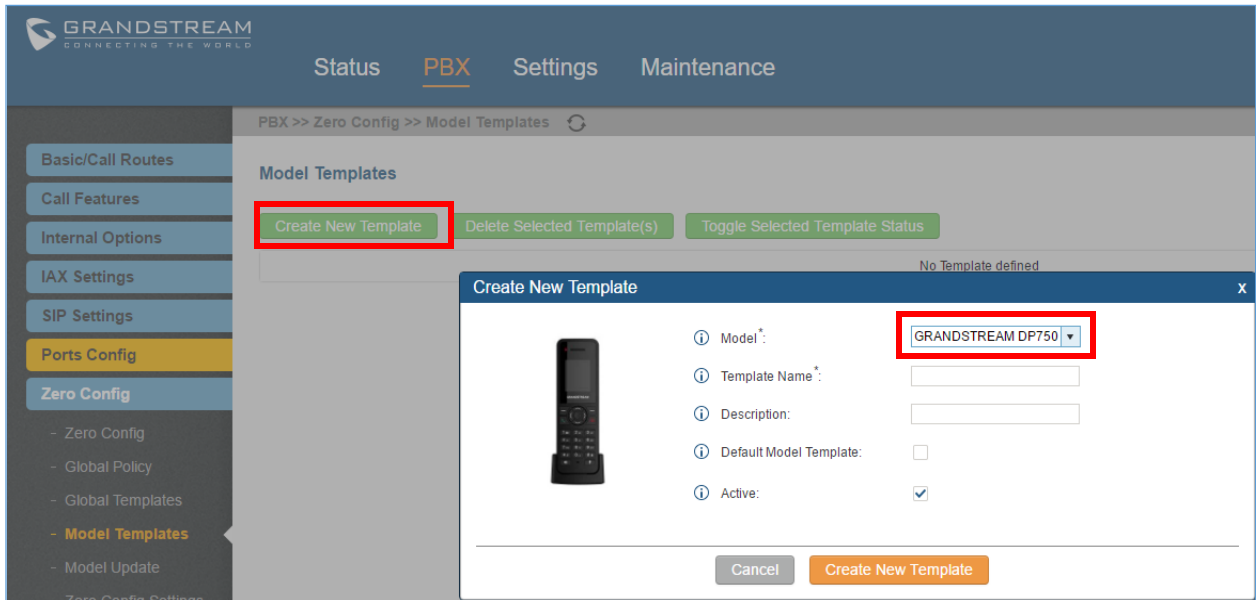
The UCM6510 now supports DP750 model template on Zero Config page.

1. Please navigate to web **UI-> PBX-> Zero Config-> Model Update** page to download DP750 model template.



Vendor	Model	Version (Remote/Local)	Size	Option
Grandstream	DP750	1.0/1.0	26K	

2. After installed DP750 model template, Please navigate to Model Templates page to configure DP750 template as desired.



SUPPORTED FRAMING WITH 'ESF' OR 'D4'

The UCM6510 now added framing option with 'esf' or 'd4' in T1/J1 digital trunk

This option can be found under web **UI-> PBX-> Ports Config-> Digital Hardware-> Edit Digital Ports-> Basic Settings**

Edit Digital Ports x

Basic Settings

Advanced Settings

Span Type:

T1

Clock:

Slave

Signaling*:

PRI_CPE

LBO:

0 db (CSU) / 0-133 feet (DSX-1)

RX Gain:

0

TX Gain:

0

Codec:

Default

Play Local RBT:

☐

Framing:

esf

esf

d4

Grandstream Networks

Release Note for F/W 1.0.11.27

Page 35

FIRMWARE VERSION 1.0.10.42

PRODUCT NAME

UCM6510

DATE

03/28/2016

IMPORTANT UPGRADING NOTE

- Backup, Backup, Backup, yes, backup your data (including configuration) before doing any firmware upgrade! (An SD card or USB Flash Drive is needed for backup purpose.)
- For UCM6510, upgrading from firmware version 1.0.2.7 (or lower) to firmware version 1.0.10.42 directly is not supported. Please upgrade to 1.0.2.97 (in the firmware package) first, before upgrading to 1.0.10.42. The firmware upgrading process should be 1.0.2.7 (or lower) -> 1.0.2.97 -> 1.0.10.42.
- The UCM6510 will be reset to factory default settings after upgrading to 1.0.10.42. Users need restore backup file manually or re-configure after upgrade. Therefore, it is VERY IMPORTANT to manually BACKUP data on the UCM6510 before upgrade. Users will also be requested for backup when upgrading from 1.0.2.97 to 1.0.10.42.
- Once upgraded to 1.0.10.42, downgrading to 1.0.2.7 (or lower) is not supported.

CHANGES SINCE FIRMWARE VERSION 1.0.10.39

BUG FIX

- Fixed Register Trunk "From domain" configuration causes register message has route header
- Fixed Register Trunk "From domain" configuration causes trunk status display issue
- Fixed Trunk outbound CID not carried issue

FIRMWARE VERSION 1.0.10.39

PRODUCT NAME

UCM6510

DATE

02/03/2016

IMPORTANT UPGRADING NOTE

- Backup, Backup, Backup, yes, backup your data (including configuration) before doing any firmware upgrade! (An SD card or USB Flash Drive is needed for backup purpose.)
- For UCM6510, upgrading from firmware version 1.0.2.7 (or lower) to firmware version 1.0.10.39 directly is not supported. Please upgrade to 1.0.2.97 (in the firmware package) first, before upgrading to 1.0.10.39. The firmware upgrading process should be 1.0.2.7 (or lower) -> 1.0.2.97 -> 1.0.10.39.
- The UCM6510 will be reset to factory default settings after upgrading to 1.0.10.39. Users need restore backup file manually or re-configure after upgrade. Therefore, it is VERY IMPORTANT to manually BACKUP data on the UCM6510 before upgrade. Users will also be requested for backup when upgrading from 1.0.2.97 to 1.0.10.39.
- Once upgraded to 1.0.10.39, downgrading to any previous version is not supported.

UPGRADING INSTRUCTIONS

Following are the upgrade steps from 1.0.2.7 to 1.0.10.39.

11. Upgrade UCM6510 from firmware 1.0.2.7 to 1.0.2.97 using the 1.0.2.97 "ucm6500fw.bin" file.
12. When the UCM6510 is on firmware 1.0.2.97, open a web browser on a PC connected to the same network as UCM6510 to log in UCM6510 web UI. Go to Maintenance->Upgrade page, manually upload "ucm6500dpt.bin" file under "Local Upgrade" section from your PC.
13. Once the UCM6510 finishes loading the ucm6500dpt.bin file successfully, it will reboot and automatically boot into recovery mode.
14. In recovery mode, the UCM6510 LCD will display its IP address. Please type this IP address in the web browser of your PC that is connected to the same network as the UCM6510. Please make sure you have cleared your browser cache and then type in IP address only (Do not specify protocol or

port number). For example, if the IP address displayed in LCD is 192.168.1.2, please type in 192.168.1.2 in the browser address bar.

15. The following figure shows the UCM6510 web UI in recovery mode. Log in the UCM6510 as administrator.

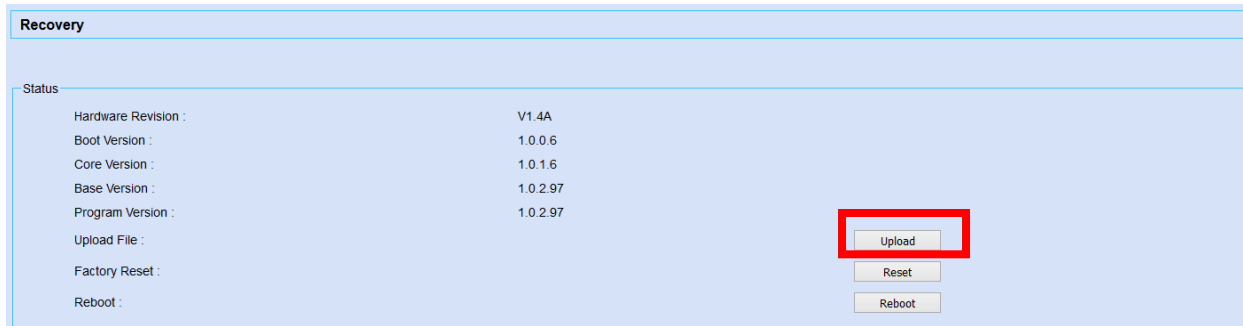


Recover
UCM6510 V1.4A

Username

Password

16. Once logged in (as shown in figure below), click on “Upload” and select firmware 1.0.10.39 “ucm6500fw.bin” file from your PC to upload.

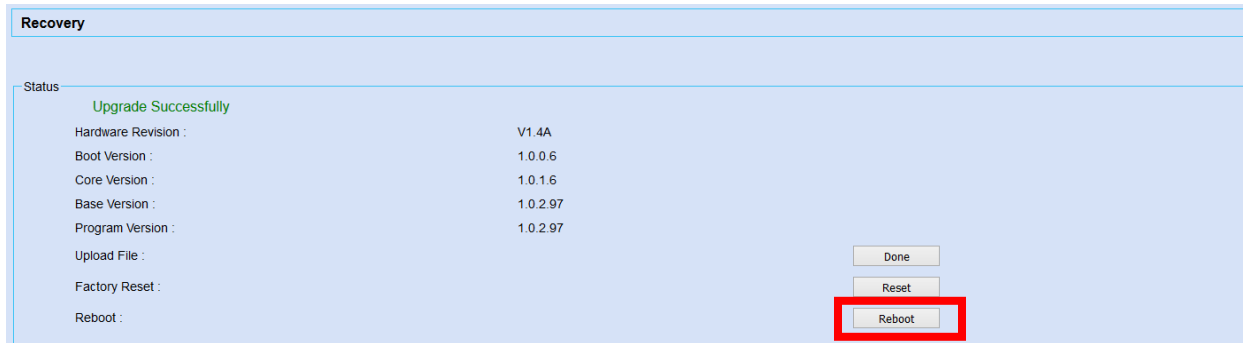


Recovery

Status

Hardware Revision :	V1.4A
Boot Version :	1.0.0.6
Core Version :	1.0.1.6
Base Version :	1.0.2.97
Program Version :	1.0.2.97
Upload File :	
Factory Reset :	
Reboot :	

17. Please keep the web page open and wait until uploading is finished. Once done, an upgrading successful message will be prompted.



Recovery

Status

Upgrade Successfully

Hardware Revision :	V1.4A
Boot Version :	1.0.0.6
Core Version :	1.0.1.6
Base Version :	1.0.2.97
Program Version :	1.0.2.97
Upload File :	
Factory Reset :	
Reboot :	

18. On the recovery mode web UI, select “Reboot” to reboot the UCM6510.

19. Your UCM6510 is successfully upgraded to 1.0.10.39.

CHANGES SINCE FIRMWARE VERSION 1.0.2.7

ENHANCEMENT

- Upgrade Asterisk version to Asterisk 13.4.0
- Added support for concurrent registration so that multiple devices can register to UCM6510 using the same extension
- Added SIP Message support for SIP end devices to send and receive messages to each other
- Added 100rel support for SIP Provisional Message Reliability, which enables reliability to SIP provisional response. The option is under web UI->PBX->SIP settings->TOS.
- Added video preview support
- Added SIP Update support for session timer
- Added SIP presence support to subscribe for status information
- Inbound Route
 - Added multiple mode support for inbound route to allows users to switch between destinations conveniently
 - Added prepending prefix for inbound route
- Fax
 - Added Fax sending support in web UI User Portal page
 - Added Fax intelligent routing support so that UCM can automatically detect and forward Fax or phone signal coming from FXO port to the proper destination
 - Added Re-Invite with two media (audio, image) support for fax sending. If Fax re-invite contains both T.38 and PCMA/PCMU codec, UCM650 will select T.38 codec over PCMA/PCMU. Fax process will not be interrupted
- Added conference schedule support for users to reserve conference room on the UCM
- Added Google Service Settings support to sync UCM6510 conference schedule with Google Calendar
- Added Setup Wizard
- Added Zero Config Model Template for GXP110x
- Added Zero Config Model Template for GXP2170
- Added ability to customize specific prompt
- Added FXS Off-hook Auto Dial feature
- Added option "ALL" when making backup file
- Added option "Use IP Address in SDP" in web UI->PBX->SIP Settings->NAT
- Added IVR dialing options for internal extensions
- Improved CDR to show more information such as transferred call
- Added default destination option in Follow Me feature
- Added WebUI Turkish language support

BUG FIX

- Fixed Follow Me Numbers ring timeout doesn't have highest priority
- Fixed Follow Me doesn't call next number immediately if the first number is disabled
- Fixed Follow Me doesn't play "call-from" prompt before caller name
- Fixed Follow Me Number's ring timeout doesn't have highest priority
- Fixed IVR call back loop issue
- Fixed IVR personal language setting cannot override global language setting when playing prompt
- Fixed IVR prompt link issue for "Timeout Prompt" and "Invalid Prompt"
- Fixed IVR key pressing event abnormal behavior when call service doesn't exist
- Fixed Outbound Rule can strip more characters than the pattern length
- Fixed Outbound and Inbound Rule cannot save more than one "_" in the pattern
- Fixed Outbound Rule pattern input issue
- Fixed Outbound Rule input character restriction
- Fixed Outbound Rule cannot automatically add "_" character
- Fixed Outbound Route "Custom Dynamic Route" cannot save after maximum character length without "_"
- Fixed Inbound Routes doesn't show time and type
- Fixed Inbound Rule cannot add more than two time conditions
- Fixed Inbound Routes DID destination appears when DID is not selected
- Fixed ZeroConfig: some customize configuration settings restore to default value after upgrade
- Fixed ZeroConfig: when phonebook directory is set to manual, refreshing page is abnormal
- Fixed ZeroConfig: upload wallpaper issue
- Fixed ZeroConfig: UCM sends time zone with wrong P value
- Fixed ZeroConfig: GXP1610 template does not match web Interface
- Fixed ZeroConfig: GXP1625 phonebook key function options are incomplete
- Fixed ZeroConfig: GXP16xx model lack of picture
- Fixed ZeroConfig: GXP16xx idle screen XML always displays "disabled" in preview
- Fixed ZeroConfig: GXP2140 customize setting is missing account 2 configuration
- Fixed ZeroConfig: GXP2140 preview displays error when language is set to Svenska in global policy
- Fixed ZeroConfig: device version number can fill in with illegal character
- Fixed ZeroConfig: upload incorrect pack model file will cause system no response
- Fixed ZeroConfig: some models display incomplete
- Fixed ZeroConfig: system no response issue when uploading empty Phonebook XML file
- Fixed ZeroConfig: a message prompts in phonebook storage when uploading a file contains "(" character
- Fixed ZeroConfig: new file name with long length causes abnormal behavior
- Fixed ZeroConfig: UCM sends language with wrong P value to gateway
- Fixed ZeroConfig: model update will fail to load if UCM is placed in private network
- Fixed ZeroConfig: GXV32xx MPK P-value is incorrect
- Fixed ZeroConfig: device cannot provision end point if dial plan contains < or > characters
- Fixed ZeroConfig: the preview and P value do not match for GXP2200

- Fixed ZeroConfig: Handset 2 or 3 settings are not carried in the generated config file after configuring DP715 Handset 2 and 3 in customize device settings
- Fixed Video codec negotiation error when call is put on hold
- Fixed Call cannot be parked twice
- Fixed Call disconnects after being parked and not picked up
- Fixed Cannot transfer a parked call from pickup extension using transfer feature codes
- Fixed Video codec negotiation issue when making outgoing call
- Fixed Outgoing call password causes no ring back tone
- Fixed Basic Call: Blind transfer caller name display issue
- Fixed "Call Forward No Answer" cannot call external number when "Filter on Source Caller" is enabled
- Fixed Call Recording stopped after call is parked
- Fixed FXS: Three-way calling can hear MOH when no one is on hold
- Fixed FXS: extension flashing issue before callee picks up
- Fixed FXS: calling extension doesn't have ring back tone
- Fixed FXS: can hear echo before the call is picked up
- Fixed FXS: extension returns to three-way calling directly after it puts the call on hold
- Fixed FXS: Call Forward Unconditional doesn't take effect
- Fixed FXO: failed to detect callerID when FXS sends callerID
- Fixed FXO: frequency range in tooltip is not accurate
- Fixed FXO: CID detection failure issue
- Fixed Firewall: IP and Port restriction doesn't take effect
- Fixed Firewall: cannot restrict network level access
- Fixed Firewall: error prompt display issue for incorrect IP address
- Fixed Firewall: reject rules causes RTP stream being blocked
- Fixed Firewall: cannot modify reject rules in Static Defense
- Fixed LDAP client cannot query a single phonebook from the LDAP server
- Fixed LDAP configuration has no error prompt
- Fixed LDAP page keep loading when static defense is enabled
- Fixed LDAP synchronization issue when using LDAP Outbound Rule
- Fixed LDAP phonebook with Chinese call ID issue
- Fixed LDAP synchronization script will kill other progress issue
- Fixed RingGroup: call with custom prompt doesn't have ring back tone
- Fixed RingGroup: permission doesn't apply to LDAP and external number
- Fixed MOH: cannot delete all MOH default class
- Fixed MOH: deleting customer prompt cannot restore default prompt
- Fixed MOH: modification failure in call queue because of reset/reboot
- Fixed Backup: UCM cannot restore voice prompt package after factory reset
- Fixed Backup: cannot backup "Login Timeout Settings"
- Fixed Backup: when SD card is missing, prompt message is incorrect
- Fixed Backup: recording file time attribute display issue

- Fixed Backup: using config files cannot backup Music On Hold class
- Fixed Custom Prompt with special character in the file name will fail to upload
- Fixed Extension “ring simultaneously” can’t take effect when “Skip Trunk Auth” set to “By time”
- Fixed Extension concurrent users batch import CSV file issue
- Fixed Extension caller ID shows as <unknown> when member's name has character ‘(’ or ‘)’
- Fixed When switching between different languages, extension displays incorrectly
- Fixed Cannot send Caller ID in Chinese to user via email
- Fixed Extension caller ID importing issue
- Fixed “Dial Trunk Password” can be the same as extension number when strong password is enabled
- Fixed Extension is automatically dropped without warning when importing more extensions than the maximum allowed numbers
- Fixed Extension prompt issue when import table doesn’t exist
- Fixed When import extension fails, it still displays extension import successfully
- Fixed Extension fails to register after UCM reboots
- Fixed Extension prompt message error when CCBS request is through trunk and CCNR is full
- Fixed Extension QR code display issue
- Fixed “Email to User” can’t automatically generate authenticate ID
- Fixed Importing duplicate extensions will cause one-key dial fail to save
- Fixed Extension registration process not handled correctly
- Fixed CDR: when changing HTTP server, web API has no response
- Fixed CDR API: last data field in CSV file is protected by double quotations
- Fixed CDR synchronization issue through analog trunk
- Fixed User Login with weak password cannot redirect user to reset password page
- Fixed User Login with weak password has incorrect prompt when strong password is disabled
- Fixed User Login language button disappear issue
- Fixed Fax: VFax cannot find end user via analog trunk when Follow Me is enabled
- Fixed Fax: super administrator cannot see administrator fax record
- Fixed Fax: cannot delete multiple fax records in web UI fax sending page
- Fixed Fax: language display and tooltip issues
- Fixed Fax VFax extension will effect view of Fax files
- Fixed Conference caller ID display abnormal when inviting users via trunk from web UI
- Fixed SIP Setting: TCP mode IP header of SIP message doesn't contain "ToS for SIP"
- Fixed SIP Setting: error prompt message for “Max bit rate” is inaccurate
- Fixed Queue: agent can be deleted when queue still has active agent
- Fixed Queue: blind transfer agent will hear “this call may be recorded” prompt
- Fixed Queue: status displays incorrectly when extension name has Chinese character
- Fixed Eventlist: Asterisk crash when deleting an event list
- Fixed Eventlist: group extension doesn’t display extension name
- Fixed Trunk: UCM sends Register message without the value of From user
- Fixed Trunk: restrict special character @ to be used in username for Register trunk

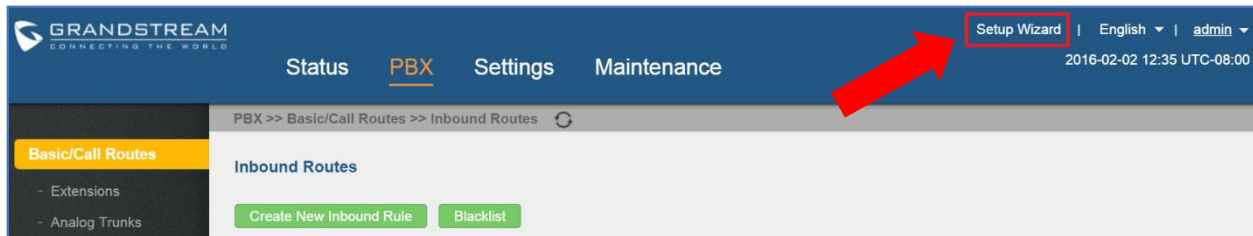
- Fixed Trunk: DNS SRV doesn't query the second sub-domain when first sub-domain returns no such name
- Fixed Trunk: UCM sends unregistered request with wrong port in the SRV query when register trunk is disabled
- Fixed When deleting Inbound/Outbound routes, warning message prompts
- Fixed Analog trunk "Ring Detection Timeout" issue
- Fixed New peer trunk doesn't have caller ID and configuration
- Fixed System Event: alert log shows "syntaxError"
- Fixed System Event: editing alert requires user to click "apply changes" to take effect
- Fixed System Event: alert event list abnormal behavior
- Fixed System Event: Email notification and alert issue
- Fixed System Status: clicking on "Network" multiple times will cause "abnormal system error" prompt
- Fixed System Status: storage usage display issue
- Fixed TCP/TLS error prompt issue
- Fixed TCP/TLS: it allows to set web port as TCP port
- Fixed SLA: prompt message when ring timeout/delay is set to 300 seconds
- Fixed SLA: abnormal behavior when no SIP extension is available to match
- Fixed SLA: abnormal behavior when no SLA trunk is available to select
- Fixed User Management: consumer login cannot play and download auto recording files
- Fixed User Management: deleting operation logs causes incorrect error prompt
- Fixed User Management: changing administrator credential doesn't require old password
- Fixed Feature Codes: "reset all" cannot take effect
- Fixed DDNS abnormal behavior when saving username and password as Chinese
- Fixed Operation Log prompts when using wrong login credential to access UCM
- Fixed Network LAN 1 with 802.1q on dual mode will lead to LAN unavailable on route mode
- Fixed Even if the callee doesn't have permission, the call is still transferred
- Fixed New Zealand time zone error
- Fixed Session timer: UCM cannot disconnect the callee when transport method is TCP
- Fixed Dial By Name menu prompt issue
- Fixed TLS CA Cert file in .exe format can still be uploaded
- Fixed MCB unsuccessful CEI re-subscription caused Asterisk crashing issue
- Fixed some language prompt, language translation and display issues
- Fixed E1/T1/J1 digital trunk all circuits are busy issue caused by T310 timer
- Fixed E1/T1/J1 prompt is not correct when switching from E1 to T1/J1 EM
- Fixed E1/T1/J1 digital channels Status display incompletely when Signaling is SS7 or PRI
- Fixed E1/T1/J1 UCM can't carry the correct calling number information when don't match all prefixes when set the "Calling Nature of Address Indicator" as Dynamic
- Fixed E1/T1/J1 SS7&R2 unplug the E1 line during the ss7/R2 call UCM cannot release the call

NEW FEATURES OVERVIEW

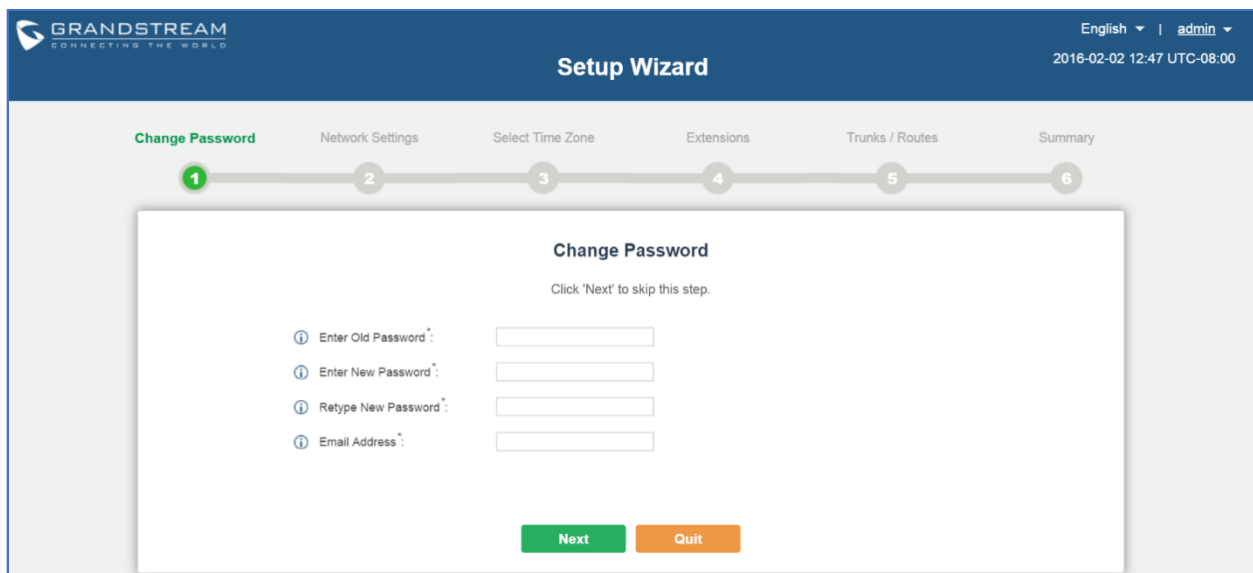
This section lists major new features and describes how to use it from the user's point of view.

SETUP WIZARD

The UCM6510 provides setup wizard for users to configure basic settings after logging the UCM6510 web UI. Click on the "Setup Wizard" option on the upper right of the web UI and then follow the instructions step by step.



The settings in setup wizard include change password, network settings, time zone, extensions, trunks and routes. The users can quit the setup wizard at any step and manually configure the UCM6510 instead. A summary will be provided at the end of the wizard before applying the changes.



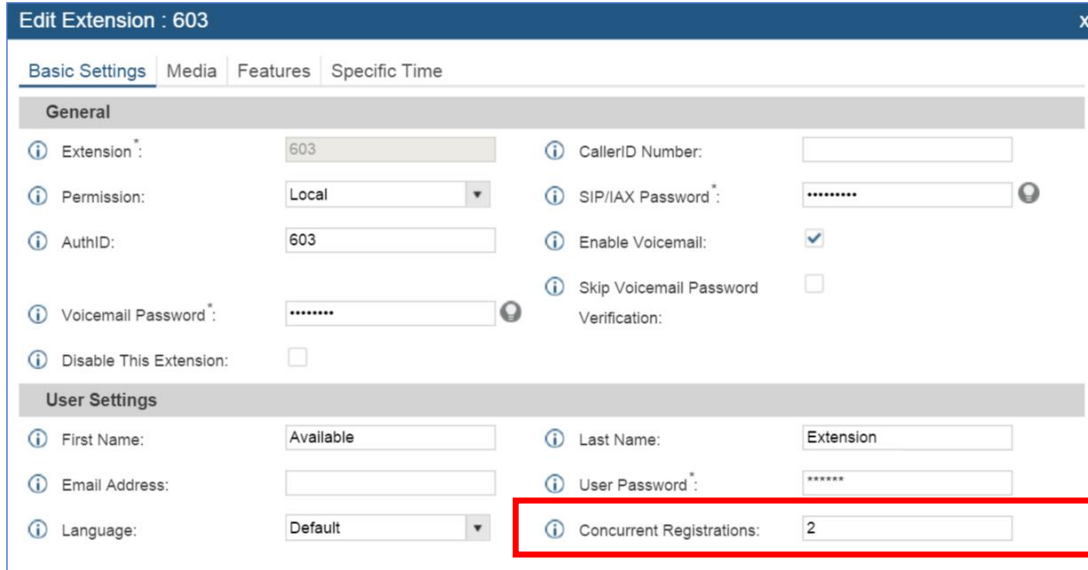
CONCURRENT REGISTRATIONS PER EXTENSION

Multiple SIP end devices can register on UCM6510 using the same extension account at the same time. This feature is turned off by default.

To enable concurrent registrations for the extension:

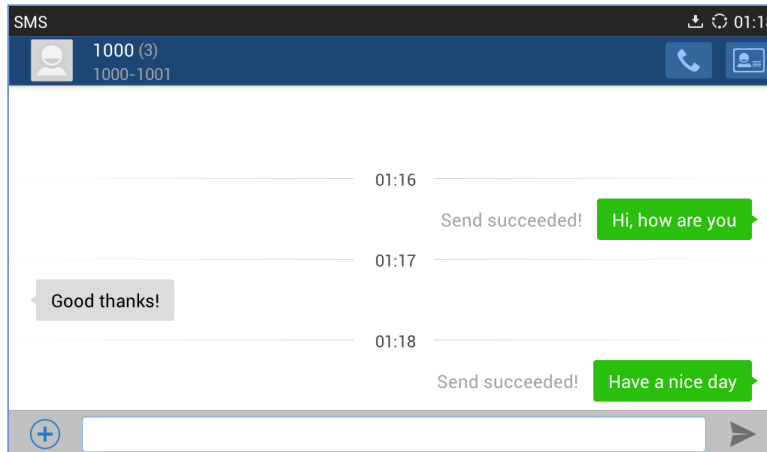
- Log in UCM6510 web UI, go to PBX->Basic/Call Routes->Extensions, and select the extension to be used.

4. Under Basic Settings tab->User Settings, for option “Concurrent Registrations”, configure the number of devices that will register using this extension.
5. Save the setting and apply the change.



SEND AND RECEIVE SIP MESSAGE

SIP end devices that support SIP message can send and receive SIP messages using UCM6510 as the PBX. The following figure shows GXV3240/GXV3275 registered to UCM6510 are sending and receiving SIP messages to each other using the UCM6510 extensions.

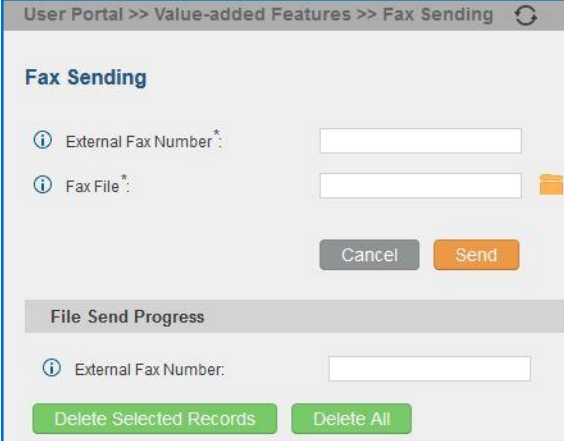


FAX SENDING SUPPORT IN WEB UI USER PORTAL PAGE

The users can log in UCM6510 user portal using the extension to send Fax via UCM6510. To do this:

1. Obtain the extension number and user portal password from UCM6510 administrator. Log in the UCM6510 user portal web UI using the extension login information.
2. Go to User Portal->Value-added Features->Fax Sending.
3. Enter the external Fax number and upload the Fax file. Click “Send”.

4. The Fax sending progress will be displayed. The users can also enter external Fax number to search for particular Fax sending status.



The screenshot shows a web interface titled "User Portal >> Value-added Features >> Fax Sending". The main section is "Fax Sending" and contains two input fields: "External Fax Number*" and "Fax File*", each with an information icon (i) to its left. Below these fields are "Cancel" and "Send" buttons. A section titled "File Send Progress" is located below the buttons. It contains an "External Fax Number:" input field with an information icon (i) to its left. At the bottom of this section are two green buttons: "Delete Selected Records" and "Delete All".

CONFERENCE SCHEDULE SUPPORT

The users can log in UCM6510 and schedule conference ahead of meeting time. Once scheduled, the extensions added into the conference schedule will receive call from UCM6510 at the scheduled time. To configure conference schedule, log in UCM6510 web UI and go to PBX->Call Features->Conference Schedule. Select "Create new Conference Schedule", select conference room extension, configure theme, date, members and etc to reserve the conference room for conference schedule.

Create New Conference Schedule

Schedule Options

Conference Room Options

conference room:

6300

theme*:

Scheduling_Test

kick time (minutes):

10

The description of a meeting:

Repeat:

no repeat

choose the date*:

Start Time 2015-08-31 18:00:00

Meeting Duration(minutes) 20

Enable Google calendar:

☐

conference administrator:

Local Extensions:

send mail ☒

Available Extensions

1000

1001

1002


Selected Extensions


Remote Extensions:


send mail ☒

GOOGLE SERVICE SETTINGS SUPPORT

After configuring conference schedule, if the users would like to have the scheduled conference displayed in Google Calendar, the users must complete Google service settings on the UCM6510 using Google OAuth 2.0. Log in UCM6510 web UI and go to Settings->Google Service Settings->Google Service Settings to set it up.

Settings >> Google Service Settings >> Google Service Settings 

 OAuth2.0 Client ID *

 OAuth2.0 Client Secret *

Cancel

Save

Reset


Google Calendar Authorization


1.Click 'Get Authorization Code'.

2.Enter the Google account and password (Note: please make sure the account on authorization

3.Click 'Accept' on authorization page.

4.Copy the string to the Authorization code input box, click the 'authorize' button.


 Authorization Code *

 Authorized Account

Get Authorization Code

Authorization

Google Calendar Settings

 Status update *

Cancel

Save

INBOUND ROUTE MULTIPLE MODE

For each inbound route on the UCM6510, “Default Mode” and “Mode 1” are available for the users to configure different inbound route destinations. The users can then dial feature code from their UCM6510 extensions to switch between the two destinations defined in “Default Mode” and “Mode 1”. This feature is turned off by default and is usually used for small businesses to adapt to their flexible inbound route schedules. To avoid any misconfigurations, for UCM6510 in large scale deployment with multiple inbound routes for multiple trunks, strict office hour or formal time conditions and etc, it is not recommended to enable this feature.

To use this feature:

1. Log in UCM6510 web UI and go to PBX->Basic/Call Routes->Inbound Routes. Select the inbound route to be edited.
2. Click on option “Inbound Multiple Mode” to enable it. Then select each tab and configure destinations for “Default Mode” and “Mode 1”.

Edit Inbound Rule

i DID Pattern *:

X

/

i Prepend Trunk Name:
☐

i Alert-Info:

None

i Inbound Multiple Mode:
☒

Default Mode

Mode 1

i Default Destination *:

Extension

1000

Time Condition

Time Condition	Time	Destination	Options
Click to add Time Condition			

Cancel

Save

- The feature code to switch inbound route mode can be found under UCM6510 web UI->PBX->Internal Options->Feature Codes. Once enabled and configured, the UCM6510 extensions can dial the feature code to switch to "Default Mode" or "Mode 1". Inbound multiple mode feature code is disabled by default.

Status
PBX
Settings
Maintenance

PBX >> Internal Options >> Feature Codes

Basic/Call Routes

Call Features

Internal Options

- General
- Feature Codes
- Music On Hold
- Custom Prompt
- Fax/T.38
- Jitter Buffer
- RTP Settings
- Language
- Payload
- AMI

i Agent Pause:

*83

i Agent Unpause:

*84

i Paging Prefix:

*81

i Intercom Prefix:

*80

i Blacklist Add:

*40

i Blacklist Remove:

*41

i Call Pickup on Ringing:

**

i Pickup Extension:

*8

i Direct Dial Voicemail Prefix:

*

i Call Completion Request:

*11

i Call Completion Cancel:

*12

i Enable Spy:

☐

i Listen Spy:

*54

i Whisper Spy:

*55

i Barge Spy:

*56

i Enable Inbound Multiple Mode:

☒

i Inbound Default Mode:

*61

i Inbound Mode 1:

*62

PREPENDING PREFIX FOR INBOUND ROUTE

For the inbound route on the UCM6510, if the default destination is set to “By DID”, the users could configure prepending digits for the destination. This option can be accessed under UCM6510 web UI->PBX->Basic/Call Routes->Inbound Routes.

Edit Inbound Rule

i

Alert-Info:

None

▼

i

Inbound Multiple Mode:

☐

i

Dial Trunk:

☒

i

Privilege Level* :

Internal

▼

i

DID Destination:

☒ Extension
 ☒ Conference
 ☒ Call Queue
 ☒ Ring Group

i

☒ Paging/Intercom Groups
 ☐ IVR
 ☐ Voicemail Groups

i

☐ Fax Extension
 ☐ Dial By Name
 ☐ All

Default Mode

Mode 1

i

Default Destination* :

By DID

▼

i

Strip:

0

i

Prepend:

Time Condition

Time Condition	Time	Destination	Options
Click to add Time Condition			

Cancel

Save

For example, if the incoming call's DID is 18005251163 from the trunk via this inbound route, assuming “Strip” is set to “8” which means UCM6510 will strip the first 8 digits, and “Prepend” is set to “2” which means the UCM6510 will then prepend a “2” to the stripped number, the UCM6510 will now route the inbound call to extension “2163”.

100REL SUPPORT

The UCM6510 supports SIP Provisional Message Reliability, which enables reliability to SIP provisional response. To enable this feature, log in UCM6510 web UI, go to PBX->SIP Settings->ToS and select “Yes” for option “100rel”.

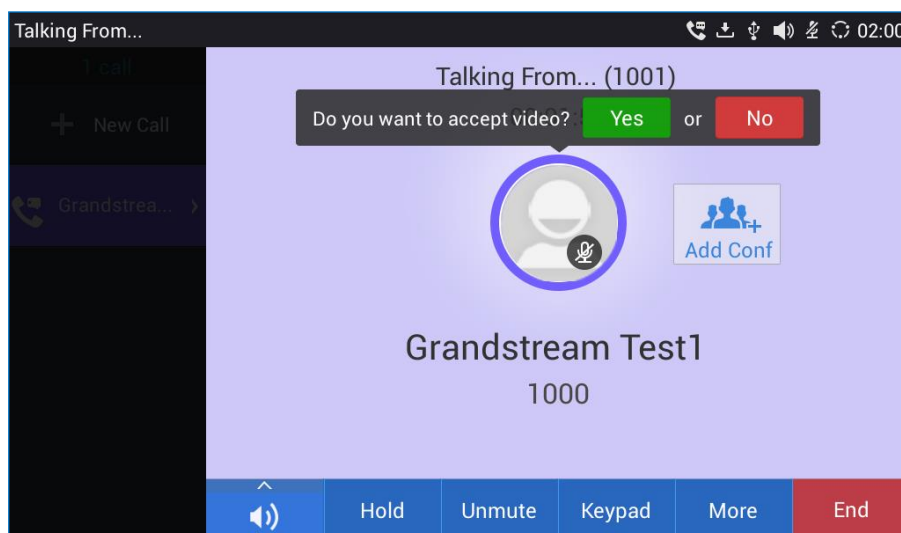
PBX >> SIP Settings >> ToS

SIP ToS

ⓘ ToS for SIP: <input type="text" value="None"/>	ⓘ ToS for RTP Audio: <input type="text" value="None"/>
ⓘ ToS for RTP video: <input type="text" value="None"/>	ⓘ Default Incoming/Outgoing Registration Time: <input type="text" value="120"/>
ⓘ Max Registration/Subscription Time: <input type="text" value="3600"/>	ⓘ Min Registration/Subscription Time: <input type="text" value="90"/>
ⓘ Enable Relaxed DTMF: <input type="checkbox"/>	ⓘ DTMF Mode: <input type="text" value="RFC2833"/>
ⓘ RTP Timeout: <input type="text" value="90"/>	ⓘ RTP Hold Timeout: <input type="text" value="100"/>
ⓘ Trust Remote Party ID: <input type="checkbox"/>	ⓘ Send Remote Party ID: <input type="checkbox"/>
ⓘ Generate In-Band Ringing: <input type="text" value="Never"/>	ⓘ Server User Agent: <input type="text"/>
ⓘ Send Compact SIP Headers: <input type="checkbox"/>	ⓘ 100rel: <input type="text" value="Yes"/>

VIDEO PREVIEW SUPPORT

If both SIP end devices registered to UCM6510 support video call and they have established an audio call, one party can initiate video request during the call, and it's up to the remote side to decide whether to accept the video invitation or not.



GXP2170/GXP110X MODELS ADDED IN ZERO CONFIG MODEL TEMPLATE

Under UCM6510 web UI->PBX->Zero Config->Zero Config->Model Update, users can now download GXP2170 and GXP110x package as model template and use it for device provisioning.

Status











PBX

Settings


Maintenance

PBX >> Zero Config >> Model Update

Model Template Package List

Vendor	Model	Version (Remote/Local)	Size	Option
Grandstream	GXP1100	1.0/-	729K	
Grandstream	GXP1105	1.0/-	297K	
Grandstream	GXP1600C	1.2/-	21K	
Grandstream	GXP1610	1.7/-	22K	
Grandstream	GXP1620	1.5/-	23K	
Grandstream	GXP1625	1.5/-	23K	
Grandstream	GXP1628	1.1/-	23K	
Grandstream	GXP1630	1.0/-	24K	
Grandstream	GXP2170	1.1/-	234K	
Grandstream	GXV3240	1.9/1.9	26K	

Once downloaded, users can select it from the model list under UCM6510 web UI->PBX->Zero Config->Zero Config->Create New Device->option "Model".



Model *


MAC Address *

IP Address:

Version:

GRANDSTREAM GXP2170

Basic



Model *

MAC Address *

IP Address:

Version:

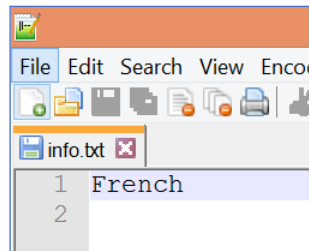
GRANDSTREAM GXP1105

Basic

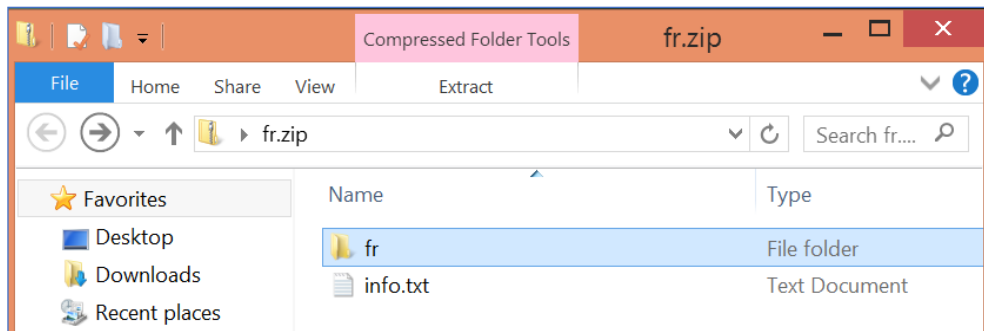
SPECIFIC VOICE PROMPT CUSTOMIZATION

If the users would like to customize certain language prompt on the UCM6510, users could upload the voice prompt package with that specific prompt included in it, instead of uploading the whole package. For example, assuming the user has downloaded French voice prompt package and selected French as the system voice prompt language. Now the user would like to change the prompt “welcome.gsm” for French. To do this:

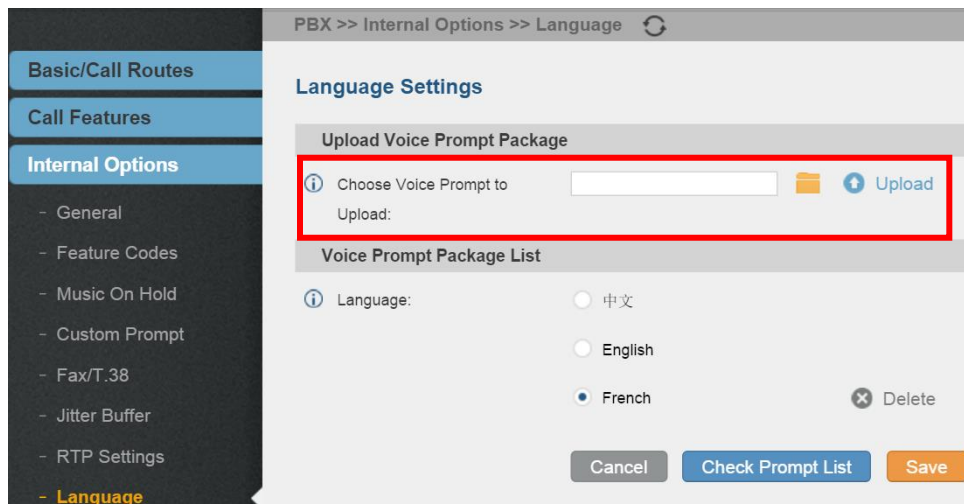
1. Record the customized language voice prompt file “welcome.gsm” in French.
2. Create a folder “fr” that has the “welcome.gsm” file in it.
3. Create info.txt file that has the language name in it in below format:



4. Zip the folder “fr” and “info.txt” files into a zip folder “fr.zip”, as below:



5. Under “Choose Voice Prompt to Upload”, select “fr.zip” from PC and upload it.



6. Save the setting and apply the change.

FXS OFF-HOOK AUTO DIAL

On the UCM6510, the users can have the FXS extension automatically dial a pre-configured number when the FXS station is off-hook.

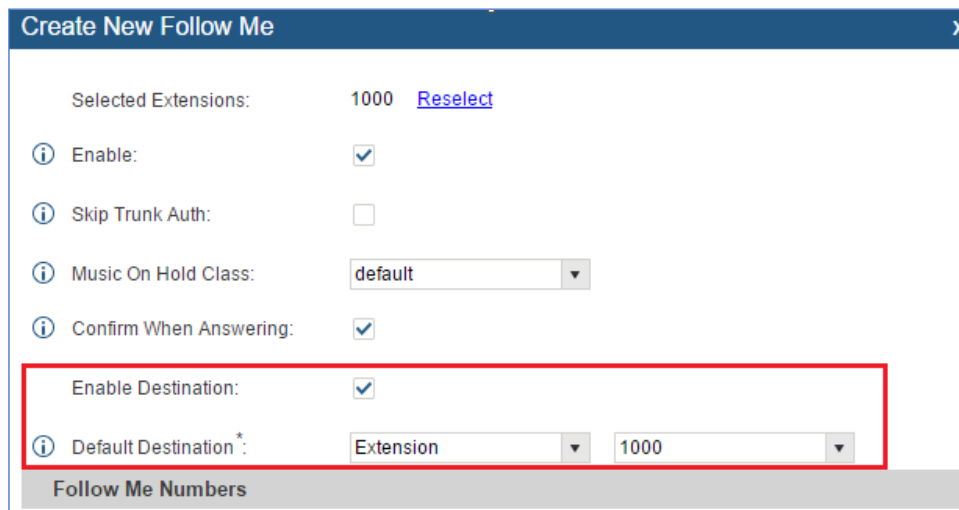
To use this feature:

1. Log in UCM6510 web UI, go to web UI->PBX->Basic/Call Routes->Extensions, create or edit FXS extension.
2. Under “Features” tab->Hotline, select the checkbox for “Enable Hotline” and configure the hotline number.
3. Select “Hotline Type”. Two options are available:
 - Immediate Hotline: The hotline number will be dialed immediately when the phone is off-hook
 - Delay Hotline: The hotline number will be dialed in 5 seconds after the phone is off-hook



DEFAULT DESTINATION IN FOLLOW ME

Under UCM6510 web UI->PBX->Follow Me->Create New Follow Me, the users can enable destination and configure the default destination. If no one in the Follow Me answers the call, the call will be routed to this destination.



SELECTING “ALL” TYPES FOR FILE BACKUP

When creating a backup file for the UCM6510 under web UI->Maintenance->Backup->Backup/Restore->Create New Backup->option “Choose Backup Files”, the users can select “All” to backup all typeS of backup files, instead of selecting each type one by one.

Create New Backup

Choose Backup Files:

☐ Config File
 ☐ CDR Records
 ☐ Recording Files
 ☐ Fax Files
 ☐ Voice Mail
 ☐ Voice Prompt Files
 ☐ ZeroConfig Storage
 ☒ All

Choose Storage Location:

Local

File Name *

backup_2016feb01_170532

Warning: backing up data files could take long time, and need larger space, please use the SD card, U disk and other external storage devices.

Cancel

Backup

“DIAL OTHER EXTENSIONS” IN IVR

Under UCM6510 web UI->PBX->Call Features->IVR, users can select the extensions in specific categories such as extensions, conference, call queue, ring group and etc, to be reached via this IVR.

Create New IVR

Basic Settings

Key Pressing Events

Name *

Extension:

7000

Dial Trunk:

☐

Dial Other Extensions:

☒ Extension
 ☐ Conference
 ☐ Call Queue
 ☐ Ring Group
 ☐ Paging/Intercom Groups
 ☐ Voicemail Groups
 ☐ Fax Extension
 ☐ Dial By Name
 ☐ All

Welcome Prompt:

welcome

Prompt

Digit Timeout *

3

Response Timeout *

10

Response Timeout Prompt:

ivr-create-timeout

Prompt

Invalid Prompt:

invalid

Prompt

Response Timeout Repeat Loops:

3

Cancel

Save

USE IP ADDRESS IN SDP

A new option “Use IP Address in SDP” is added under UCM6510 web UI->PBX->SIP Settings->NAT. If enabled, the SDP connection will use the IP address resolved from the external host.

SIP NAT

ⓘ External Host:
 ⓘ Use IP address in SDP: ☒
 ⓘ External TCP Port*:
 ⓘ External TLS Port*:
 ⓘ Local Network Address*: / 24

MORE DETAILED CDR DISPLAY

Under UCM6510 web UI->Status->CDR->CDR, click on the icon for “Options”. A new window will be popped up displaying more details related to this call. The detailed information includes premier caller, call transfer information and etc.

Click on the title of the column to sort by column. Click on the row to display full record. View: 10

No.	Start Time	Call Type	Call From	Call To	Call Time	Talk Time	Status	Recording File Options	Options
1	2015-08-28 17:52:16	DIAL	1000	1001	0:01:07	0:01:04		No Recording Files	
2	2015-08-28 17:51:56	DIAL	1000	1001	0:00:15	0:00:12		No Recording Files	
3	2015-08-28 17:50:33	DIAL	1000	1001	0:00:14	0:00:11		No Recording Files	
4	2015-08-28 17:50:17	DIAL	1000	1002	0:00:05	0:00:02		No Recording Files	
5	2015-08-28 17:49:59	DIAL	1000	1001	0:00:29	0:00:25		No Recording Files	

Call Detail

Start Time	Premier Caller	Call Type	Call From	Call To	Call Time	Talk Time	Status	Recording File Options
2015-08-28 17:52:16	1000	DIAL	1000	1001	0:01:04	0:01:01		No Recording Files
2015-08-28 17:53:21	1000	TRANSFER	1001	1002	0:00:03	0:00:03		No Recording Files

X

TURKISH LANGUAGE SUPPORT IN WEB UI

Turkish can be selected in the language option in the UCM6510 login page, or the language option on the web UI upper right after the users log in the UCM6510 web UI. This will switch the web UI language to Turkish.

UCM6108

IPPBX Appliance



Username:

admin

Password:

[Forgot Password?](#)

Login

English ▲

Français

Português

Русский

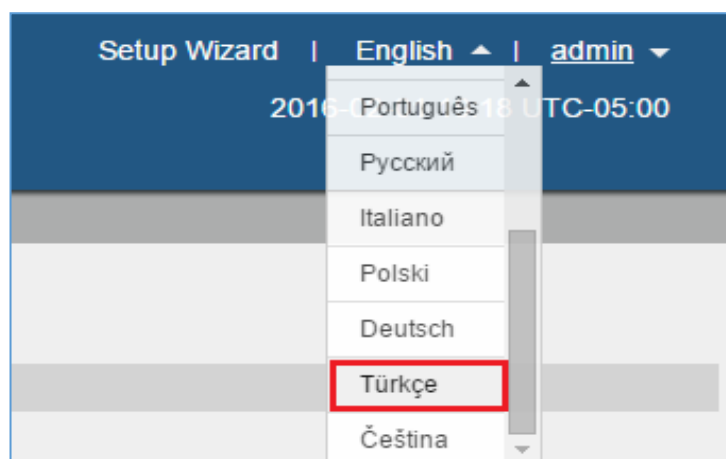
Italiano

Polski

Deutsch

Türkçe

Čeština



FIRMWARE VERSION 1.0.2.7

PRODUCT NAME

UCM6510

DATE

08/21/2015

IMPORTANT UPGRADING NOTE

- If needed, UCM6510 1.0.2.7 firmware can be downloaded in below link:

http://www.grandstream.com/sites/default/files/Resources/Release_UCM6510_1.0.2.7.zip

CHANGES SINCE FIRMWARE VERSION 1.0.2.5

ENHANCEMENT

- Added FEC and RTCP support for GVC3200
- Added PRI T310 configuration
- Added Announcement Center feature

BUG FIX

- Fixed Extension ring simultaneously function does not work on digital trunk
- Fixed FXO echo issue

FIRMWARE VERSION 1.0.2.5

PRODUCT NAME

UCM6510

DATE

05/14/2015

CHANGES SINCE FIRMWARE VERSION 1.0.1.12

ENHANCEMENT

- Added ability to select voicemail storage (Email+WAV is supported)
- Added option to enable/disable SSH access via LCD or web UI
- Added support to allow remote peer extensions in ring group
- Added ability to strip and prepend digits in inbound routes
- Added ability to search extensions on Extension page
- Added user portal for users to log in with extension number, access user information, extension configuration and CDR
- Added support to send Fax via web UI
- Added "Enable LDAP" option to skip the extension from UCM default LDAP phonebook
- Added video RE-INVITE support
- Added DDNS Support
- Added support for Call Barging using feature codes
- Added ability to search the CDR by called number
- Added ability to select the file types for automatic backup
- Added automatic backup support on SD Card or USB storage
- Added support to skip trunk authentication by time condition
- Added option to send P-Asserted-Identity header in SIP Register Trunk
- Added ability to specify trunks in CDR filters
- Added ability to use Pattern in Caller Number to filter CDR
- Added support to send UNREGISTER when VoIP trunk is disabled
- Added LDAP client support
- Added option to specify the chronological order to voice mails
- Added option to configure whether to skip pressing 1/2 to accept or reject calls from Follow Me
- Added option to specify port range in Port Forwarding configuration
- Added ability to go back to IVR menu from Dial By Name by pressing the star key
- Added support to upgrade SIP end device via SD card in Zero Config
- Added ability to filter alert logs
- Added ability to delete alert logs

- Added NAT option for peer trunk
- Improved Automatic Download CDR result format

BUG FIX

- Fixed Digital Trunk SS7 signaling mode inbound / outbound call problem
- Asterisk is crashed while using external MCB and CEI
- Fixed cannot make or receive calls with certain E1 lines even when link status shows available

FIRMWARE VERSION 1.0.1.12

PRODUCT NAME

UCM6510

DATE

02/17/2015

CHANGES SINCE FIRMWARE VERSION 1.0.0.25

ENHANCEMENT

- Added Active Calls feature to monitor call status and barge in active calls
 - Added SVIP FAX Gateway function on FXO, FXS and E1/T1/J1 port
 - Added support to disable the trunk for VoIP trunk and analog trunk
 - Added RBS support on T1
 - Added Frame Relay support on Data Trunk
 - Added "Assign CIC to D-channel" option on SS7 settings page
 - Added "First CIC" option in SS7 configuration
 - Added "D-Chan" selection for PRI and SS7 in editing digital ports
 - Added Ring Simultaneously support for extensions
 - Added Music On Hold selection per extension
 - Added ability to disable the extension per extension
 - Added ability to set personal password for making outbound calls per extension
 - Added "TEL URI" support for SIP extension and VoIP trunk
 - Added "Download Search Result" in CDR
 - Added office time and holiday configuration support
 - Added time condition support for call forward
 - Added support to monitor FXO trunk using SLA
 - Added One-Key Dial function
 - Added Follow Me support
 - Added external number option in IVR key pressing event
 - Improved APIs for Zero Config templates and settings
 - Added GXP16xx, Surveillance and GS_Wave models in Zero Config support
 - Added advanced settings for devices discovered in Zero Config
 - Added ability to delete multiple recording files at once
 - Added call queue destination if no answer/timeout
 - Added call queue Music on Hold customization
 - Added restricted AMI access
- Warning: Please do not enable AMI on the UCM6510 if it is placed on a public or untrusted network**

unless you have taken steps to protect the device from unauthorized access. It is crucial to understand that AMI access can allow AMI user to originate calls and the data exchanged via AMI is often very sensitive and private for your UCM6510 system. Please be cautious when enabling AMI access on the UCM6510 and restrict the permission granted to the AMI user. By using AMI on UCM6510 you agree you understand and acknowledge the risks associated with this.

- Added ability to choose the type(s) of files to be cleaned in cleaner
- Added DTMF configuration per SIP trunk
- Added ability to upload and play ring group announcement
- Added ability to upload and play paging call announcement
- Added Alert-info configuration for distinctive ringing on inbound route
- Added ability to prepend digits/trunk name to inbound calls' caller ID
- Modified Static Routes Interface display when network method is changed
- Renamed the "network backup" settings items to "data sync"
- Added iLBC codec as selected codec on SIP/IAX extension page to support GS Wave

BUG FIX

- Fixed the voice prompt for Dial By Name is incorrect
- Fixed the UCM doesn't play ringback tone after blind transfer using feature code
- Fixed CDR isn't displayed when calling timeout happens
- Fixed if the caller does not off hook phone in 5 busy tones, the call will be dialed again via Failover Trunk
- Fixed after call forward unconditional, ringback tone is not played at caller side
- Fixed the static route for WAN interface displays abnormal after changing network method from "Route" to "Switch"
- Fixed E1/T1/J1: Inviting a conference participant from web failed because UCM cannot detect DTMF
- Fixed E1/T1/J1: MFC/R2: The caller receives 480 response after callee rejects the call
- Fixed Inbound routes: The call has no ringback tone if the destination is set to DISA and then entering an IVR
- Fixed Dial By Name: Call problem when entering Dial by Name after IVR and DISA
- Fixed E1/T1/J1: MFC/R2: Ringback tone can be still heard after the call goes inbound via digital trunk to IVR->Ring group and all members reject the call.
- Fixed Static Route: Configuration fails if creating a route->deleting the route->adding the same route again
- Fixed Static Route: Deleting a route from web UI doesn't delete the corresponding route in routetable
- Fixed E1/T1/J1: The DOD number configured for the digital trunk still shows in outbound call after deleting the trunk and recreating the trunk
- Fixed Zeroconfig: The actual time period is longer than the configured value in Pick Extension Period
- Fixed FXO: In "Detect" web page under Analog Trunk editing window, if there is another user logging in web UI, it will kick out the current login user and the web page shows loading failed
- Fixed Restore: Restoring the configuration in web UI->Maintenance to default value exists exception
- Fixed CDR: When the caller name is longer than 26 characters, it does not display Caller ID

- Fixed UCM doesn't update Date and Time on LCD
- Fixed Inbound Routes: Sorting arrow is overlapped when clicking on Pattern to sort the inbound rules
- Fixed Firewall: Modifying HTTPS port will cause login failure when enabling Reject Rules in static defense
- Fixed Extension: FXS extensions cannot be successfully imported
- Fixed Extension: Exporting an extension with voicemail disabled will cause import failure
- Fixed Zeroconfig: If "Automatically Assign Extension" is disabled, enabling Hot-Desking doesn't work
- Fixed Backup: When creating backup file, the prompt should be more detailed if the SD/USB storage is full
- Fixed Web UI using IE11: Selecting the items of extension list fails
- Fixed Web UI using IE11: Sometimes clicking on the items in web UI->PBX page fails
- Removed "Syn Flood" feature from web UI to improve web UI access efficiency