

# DP752/750/730/722/720/760 Firmware Release Notes

## IMPORTANT UPGRADING NOTES

- For all DP series, once upgraded to 1.0.13.10 or above, downgrading to 1.0.13.8 or previous firmware version is not supported. It is recommended not to downgrade from 1.0.15.2 to 1.0.13.10.
- Since 1.0.7.5, we have added support for new format of P values, for the old <P xx>value</Pxx> format, in the xml config file, please use <config version="1">; for the new format of P value, that is <item name="xx.xx.xx.xx.xx">value</item>, in the xml config file, please use <config version="2">. DP7xx now support both format XML config file but will not work if the version number is wrong.
- Upgrade DP730/DP720/DP722 from 1.0.7.5 to 1.0.9.1 or higher will need update both firmware and resource images, so it will download and reboot twice. After upgraded to 1.0.9.1 or higher, the upgrade procedure will only happen once as always.
- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on “Menu” -> “Settings” -> “Firmware Upgrade” to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.
- For DP750/DP720/DP760, once upgraded to 1.0.4.2 or above, downgrading to 1.0.3.40 or previous firmware version is not supported.
- For DP750/DP720, once upgraded to 1.0.3.23 or above, downgrading to 1.0.3.17 or previous firmware version is not supported.
- For DP750/DP720, once upgraded to 1.0.3.17 or above, downgrading to 1.0.2.16 or previous firmware version is not supported.
- For DP750/DP720, once upgraded to 1.0.2.16 or above, downgrading to 1.0.1.x or previous firmware version is not supported.

- For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.4.7 directly, no transitional firmware is needed.

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## FIRMWARE VERSION 1.0.15.6

### PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

### DATE

3/18/2021

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin
- MD5: 53393f6a0645b02f875ececa35d2c6dd

### IMPORTANT UPGRADING NOTES

- For all DP series, once upgraded to 1.0.13.10 or above, downgrading to 1.0.13.8 or previous firmware version is not supported. It is recommended not to downgrade from 1.0.15.2 to 1.0.13.10.
- Since 1.0.7.5, we have added support for new format of P values, for the old <Pxx>value</Pxx> format, in the xml config file, please use <config version="1">; for the new format of P value, that is <item name="xx.xx.xx.xx.xx">value</item>, in the xml config file, please use <config version="2">. DP7xx now support both format XML config file but will not work if the version number is wrong.
- Upgrade DP730/DP720/DP722 from 1.0.7.5 to 1.0.9.1 or higher will need update both firmware and resource images, so it will download and reboot twice. After upgraded to 1.0.9.1 or higher, the upgrade procedure will only happen once as always.
- For DP752/DP730/DP722, firmware 1.0.7.5 is the first public released beta firmware.
- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on "Menu" -> "Settings" -> "Firmware Upgrade" to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.

### ENHANCEMENT

- Add support for Thailand language.

## BUG FIX

- Fixed DP75x Dial Plan priority sequence is reversed issue.
- Fixed DP75x IP address/subnet/gateway/DNS becomes to 0.0.0.0 after set SIP TLS Private Key.
- Fixed DP75x Layer 2 QoS 802.1p Priority Value for virtual IP do not take effect.
- Fixed DP75x issue that when the SRTP is disabled but the SRTP parameters are still negotiated.
- Fixed DP75x issue when the domain name is resolved under SRV, the device will send additional registration requests after booting up.
- Fixed DP75x doesn't send a SUBSCRIBE message when DND is enabled/disabled by the mute button.
- Changed the default values of local RTP port starting from 50000.

## FIRMWARE VERSION 1.0.15.3

### PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

### DATE

12/11/2020

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin
- MD5: 76b77dd3160de0757e2e855acd71e166

### IMPORTANT UPGRADING NOTES

- For all DP series, once upgraded to 1.0.13.10 or above, downgrading to 1.0.13.8 or previous firmware version is not supported. It is recommended not to downgrade from 1.0.15.2 to 1.0.13.10.
- Since 1.0.7.5, we have added support for new format of P values, for the old <Pxx>value</Pxx> format, in the xml config file, please use <config version="1">; for the new format of P value, that is <item name="xx.xx.xx.xx.xx">value</item>, in the xml config file, please use <config version="2">. DP7xx now support both format XML config file but will not work if the version number is wrong.
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- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on "Menu" -> "Settings" -> "Firmware Upgrade" to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.

### ENHANCEMENT

- Added support to have a web UI option of bypass dial plan. [BYPASS DIAL PLAN]

## BUG FIX

- Fixed the bug that disconnect the upper network of the switch and STUN enabled and configured, the DP75x might restart of a hung thread issue.
- Fixed DP75x performs INVITE to Transfer-Target before REFER on Blind Transfer.
- Fixed DP75x has 6 seconds delay for sending the DHCP renewal.
- Fixed DP75x issue that when the domain name is resolved under SRV, and the device will send additional registration requests after restarting.
- Fixed some translation error in web UI.

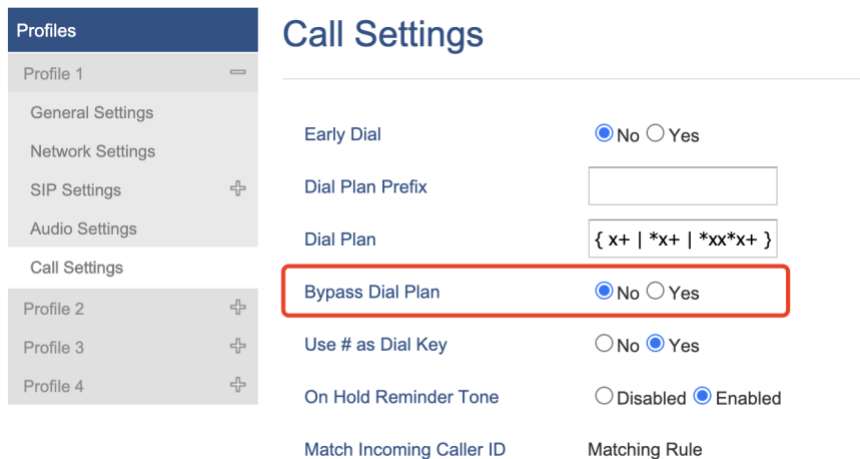
## NEW FEATURES OVERVIEW

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

### BYPASS DIAL PLAN

- **Functionality**

The device now supports to bypass the dial plan by a web UI option, the setting can be found at Profiles -> Profile x -> Call Settings -> Bypass Dial Plan.



The screenshot shows the 'Call Settings' configuration page. On the left is a sidebar with 'Profiles' and 'Call Settings' sections. The main area contains several settings:
 

- Early Dial:  No  Yes
- Dial Plan Prefix:
- Dial Plan: { x+ | \*x+ | \*xx\*x+ }
- Bypass Dial Plan:  No  Yes** (highlighted with a red box)
- Use # as Dial Key:  No  Yes
- On Hold Reminder Tone:  Disabled  Enabled
- Match Incoming Caller ID: Matching Rule

- **New P Values**

Pvalue	Alias	Description	Value range	Default
2382	profile.1.call.disable_dial_plan	Bypass Dial Plan on selected items	0 – No	0
2482	profile.2.call.disable_dial_plan		1 – Yes	
2582	profile.3.call.disable_dial_plan			
2682	profile.4.call.disable_dial_plan			

## FIRMWARE VERSION 1.0.15.2

### PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

### DATE

11/6/2020

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin
- MD5: eac554f1da12c935364a2b5531cc91e5

### IMPORTANT UPGRADING NOTES

- **For all DP series, once upgraded to 1.0.13.10 or above, downgrading to 1.0.13.8 or previous firmware version is not supported. It is recommended not to downgrade from 1.0.15.2 to 1.0.13.10.**
- **Since 1.0.7.5, we have added support for new format of P values, for the old <Pxx>value</Pxx> format, in the xml config file, please use <config version="1">; for the new format of P value, that is <item name="xx.xx.xx.xx.xx">value</item>, in the xml config file, please use <config version="2">. DP7xx now support both format XML config file but will not work if the version number is wrong.**
- **Upgrade DP730/DP720/DP722 from 1.0.7.5 to 1.0.9.1 or higher will need update both firmware and resource images, so it will download and reboot twice. After upgraded to 1.0.9.1 or higher, the upgrade procedure will only happen once as always.**
- **For DP752/DP730/DP722, firmware 1.0.7.5 is the first public released beta firmware.**
- **For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on "Menu" -> "Settings" -> "Firmware Upgrade" to upgrade to 1.0.7.5.**
- **For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.**

### ENHANCEMENT

- Added support to input provisioning server username and password on handset UI when base station is trying to download a config file from a password protected server. [INPUT USERNAME AND PASSWORD ON HANDSET FOR PROVISION SERVER]

- Added support to configure Call Log settings. [CONFIGURE CALL LOG]
- Added DNS SRV Failover modes. [DNS SRV FAILOVER MODES]
- Added warning tone when auto answer a call or intercom. [WARNING TONE FOR AUTO ANSWER]
- Added option to automatically mute after auto answer a call or intercom. [WARNING TONE FOR AUTO ANSWER]
- Added support to disable SIP NOTIFY authentication.
- Added support for Auto Timer Zone feature.
- Added support to delete a paired base station from the handset.

## BUG FIX

- Fixed a security issue that an XML field can be used as command injection.
- Fixed a security issue that user may get root access in the SSH shell with “gssu” command.
- Fixed DP75x cannot apply some GDMS settings issue.
- Fixed DP75x issue that when access to VM, it calls the number of Offhook Auto-dial number.
- Moved “No Key Entry Timeout” setting from Profile -> Call Setting to DECT -> Handset Settings.
- Fixed intercom has no missed call notification issue.
- Fixed DP75x does not report DND status to GDMS issue.
- Fixed DP75x cannot search the contacts in LDAP.
- Fixed DP72x and DP730 shows “error” when edit private contact.
- Fixed DP75x does not response 200OK after receiving the Reboot NOTIFY from UCM.
- Fixed DP75x still shows remote caller name in call history even after added it to contacts with a new name.
- Fixed DP75x still send INVITE when Dial Plan is {6868xxxx} and trying to call 68681 that does not match the Dial Plan.
- Fixed DP75x cannot dial out via Offhook Auto-dial when the line 1 is none.
- Fixed DP75x Force Timer do not take effect for session timer.
- Fixed DP75x will response 404 when it receive ‘sipaaa’ and enabled Validate Incoming Messages.
- Added prompt of “include the protocol header (“http:// or https://”)” for Global Phonebook Broadsoft XSI Settings.
- Fixed DP75x still shows cached Broadsoft XSI contacts after changed Broadsoft XSI settings to invalid one.
- Fixed DP75x need a reboot to take DNS Mode -> Use Configured IP to take effect.
- Fixed when DP75x dial back from missed call, the call history of the call back shows under incoming call instead of outgoing call.
- Fixed the user account cannot configure “Whitelist for WAN side” and “Blacklist for WAN side”.
- Fixed DNS Server2 in SSH status result is not aligned with other values.
- Fixed DP75x “use stun to detect network connectivity” does not take effect.
- Fixed DP75x “OPTIONS Keep Alive Max Lost” does not take effect.
- Fixed DP75x OpenVPN cannot disable comp-lzo.
- Fixed DP72x and DP730 will remove account DND settings after use Mute key to disable the handset DND.

- Fixed DP75x is not ringing when the call is received from PSTN using an Alcatel PBX.
- Fixed DP75x take rejected calls to missed call history, now it will be logged as received/answered call with a different icon.
- Fixed DP75x does not accept a SIP server with more than 4 sub domains.
- Fixed DP75x cannot redial an IP call from call history.
- Fixed DP72x/DP730 still display a null home number at the contact detail view after home number been removed and a work number been configured.

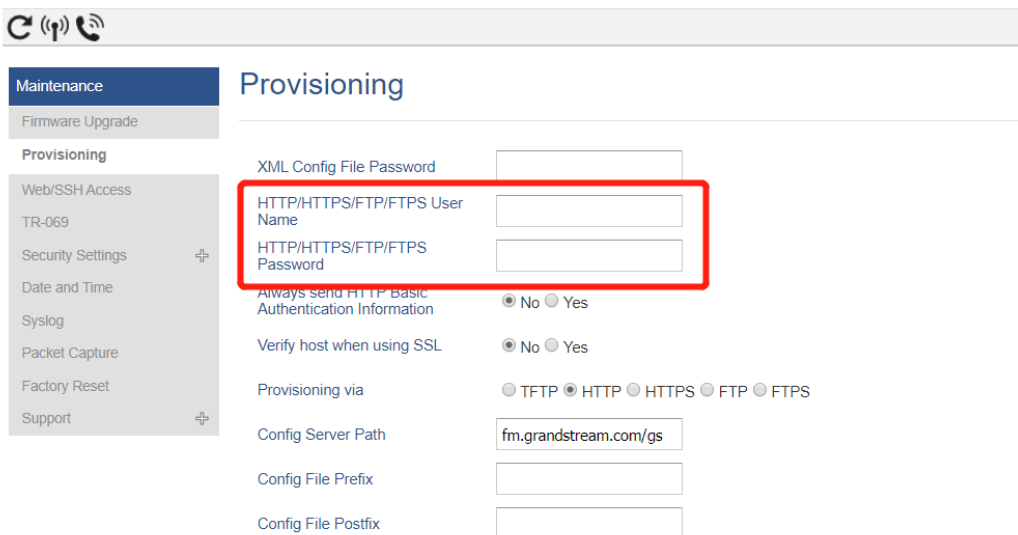
## NEW FEATURES OVERVIEW

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

### INPUT USERNAME AND PASSWORD ON HANDSET FOR PROVISION SERVER

- **Functionality**

When the device is trying to download the config file from the config server, if the server has username and password protected, the end user needs to configure these fields in the web UI before the provisioning.



The screenshot shows the 'Provisioning' section of the web UI. A sidebar on the left contains navigation items: Maintenance, Firmware Upgrade, Provisioning (selected), Web/SSH Access, TR-069, Security Settings, Date and Time, Syslog, Packet Capture, Factory Reset, and Support. The main content area is titled 'Provisioning' and contains several configuration fields:

- XML Config File Password: [Text Input]
- HTTP/HTTPS/FTP/FTPS User Name**: [Text Input] (highlighted with a red box)
- HTTP/HTTPS/FTP/FTPS Password**: [Text Input] (highlighted with a red box)
- Always send HTTP Basic Authentication Information:  No  Yes
- Verify host when using SSL:  No  Yes
- Provisioning via:  TFTP  HTTP  HTTPS  FTP  FTPS
- Config Server Path:
- Config File Prefix: [Text Input]
- Config File Postfix: [Text Input]

Now it can input the username and password on handset UI when trying to download the config file if these 2 fields is not preconfigured in Web UI.

### CONFIGURE CALL LOG

- **Functionality**

DP75x now support to configure the level of call logs or disable the call log. The feature can be found at Web UI -> Profile X -> Call Settings -> Call log:

Call Log

- Log All Calls
- Log Incoming/Outgoing Only (missed calls NOT recorded)
- Disable Call Log

- **New P Values**

Pvalue	Alias	Description	Value range	Default
182	profile.1.call.call_log	Configures Call	0 – Log All Calls	0
442	profile.2.call.call_log	Log setting on the	1 – Log Incoming/Outgoing Only	
542	profile.3.call.call_log	phone.	(missed call NOT recorded)	
642	profile.5.call.call_log		2 – Disabled Call Log	

## DNS SRV FAILOVER MODES

- **Functionality**

This feature is used to configure the preferred IP mode for DNS SRV. If selected "default", first IP from query result will be applied; If selected "Saved one until DNS TTL", previous IP will be applied before reaches DNS timeout; If selected "Saved one until no response", previous IP will be applied even after DNS time out until it cannot response.

When the DNS SRV Failover Mode is enabled, you can also choose to "Register before DNS SRV failover" that can waive the 3 failed tries, or still try 3 times then use the failover DNS.

This setting can be found at Web UI -> Profiles -> Network Settings:

### DNS Settings

DNS Mode	<input type="text" value="A Record"/>
DNS SRV Failover Mode	<input type="text" value="Saved one until DNS TTL"/>
Register Before DNS SRV Failover	<input type="radio"/> No <input checked="" type="radio"/> Yes
Primary IP	<input type="text"/>
Backup IP 1	<input type="text"/>
Backup IP 2	<input type="text"/>
DNS SRV use Registered IP	<input type="radio"/> No <input checked="" type="radio"/> Yes

- **New P Values**

Pvalue	Alias	Description	Value range	Default
26040	profile.1.network.dns.srv_failover_mode	Configure the DNS	0 – Default	0
26140	profile.2.network.dns.srv_failover_mode	SRV failover mode	1 – Saved one	
26240	profile.3.network.dns.srv_failover_mode		until DNS TTL	



26340	profile.4.network.dns.srv_failover_mode		2 – Saved one until no response	
29095 29195 29295 29395	profile.1.network.dns.register_before_sr v_failover profile.2.network.dns.register_before_sr v_failover profile.3.network.dns.register_before_sr v_failover profile.4.network.dns.register_before_sr v_failover	Indicates whether a REGISTER request will be initiated when a server failover occurred under DNS SRV mode	0 – No 1 – Yes	0

## WARNING TONE FOR AUTO ANSWER

- Functionality**

DP75x support to play a warning tone for auto answer for protect the privacy. This setting can be configured by either the handset GUI or the Web UI.

Handset GUI -> Preferences -> Play Warning Tone for Auto Answer.

Web UI -> Handset Settings -> HS X Settings.

HS1 Settings

HS2 Settings

HS3 Settings

HS4 Settings

HS5 Settings

Enable Offhook on Cradle Pickup  No  Yes

Enable Onhook on Cradle Reposition  No  Yes

Disable Conference  No  Yes

Disable Transfer  No  Yes

Disable Busy Tone on Remote Disconnect  No  Yes

Disable Call Waiting Tone  No  Yes

**Play warning tone for Auto Answer Intercom  No  Yes**

No Key Entry Timeout

- New P Values**

Pvalue	Alias	Description	Value range	Default
26072	handset.1.call.play_warning_tone_for_auto	When enabled,	0 – No	0
26172	_answer.enable	phone will play	1 – Yes	
26272	handset.2.call.play_warning_tone_for_auto	warning tone		
26372	_answer.enable	when auto		
26472	handset.3.call.play_warning_tone_for_auto	answer Intercom		
	_answer.enable			

	handset.4.call.play_warning_tone_for_auto_answer.enable			
	handset.5.call.play_warning_tone_for_auto_answer.enable			

## AUTO MUTE FOR AUTO ANSWER

- Functionality**

When auto an incoming call or intercom, now DP72x/DP730 support to auto mute right after the call been answer, this can be configured by either the handset GUI or Web UI:

Handset GUI -> Preferences -> Play Warning Tone for Auto Answer.

Web UI -> Handset Settings -> HS X Settings.

**DECT**

General Settings

SIP Account Settings

Handset Line Settings

Handset Settings ≡

HS1 Settings

HS2 Settings

HS3 Settings

HS4 Settings

HS5 Settings

### HS1 Settings

---

Enable Auto Answer  No  Yes

Enable Mute for Auto Answer  No  Yes

Enable Offhook on Cradle Pickup  No  Yes

Enable Onhook on Cradle Reposition  No  Yes

Disable Conference  No  Yes

Disable Transfer  No  Yes

- New P Values**

Pvalue	Alias	Description	Value range	Default
27844	handset.1.call.auto_mute_for_auto_ans	Enable mute when handset is auto answering	0 – No	0
27845	wer.enable		1 – Yes	
27846	handset.2.call.auto_mute_for_auto_ans			
27847	wer.enable			
27848	handset.3.call.auto_mute_for_auto_ans			
	handset.4.call.auto_mute_for_auto_ans			
	wer.enable			
	handset.5.call.auto_mute_for_auto_ans			
	wer.enable			

# FIRMWARE VERSION 1.0.13.8

## PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

## DATE

7/10/2020

## FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin
- MD5: f54e5264efa0ed7e5702c8263a3cdc86

## IMPORTANT UPGRADING NOTES

- Since 1.0.7.5, we have added support for new format of P values, for the old **<Pxx>value</Pxx>** format, in the xml config file, please use **<config version="1">**; for the new format of P value, that is **<item name="xx.xx.xx.xx.xx">value</item>**, in the xml config file, please use **<config version="2">**. DP7xx now support both format XML config file but will not work if the version number is wrong.
- Upgrade DP730/DP720/DP722 from 1.0.7.5 to 1.0.9.1 or higher will need update both firmware and resource images, so it will download and reboot twice. After upgraded to 1.0.9.1 or higher, the upgrade procedure will only happen once as always.
- For DP752/DP730/DP722, firmware 1.0.7.5 is the first public released beta firmware.
- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on "Menu" -> "Settings" -> "Firmware Upgrade" to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.

## ENHANCEMENT

- Added support for handsets to internally page other handsets without accounts registered on menu -> Call features -> paging.
- Added support to enable or disable "On Hold Reminder Tone" in Web UI. [ON HOLD REMINDER TONE]
- Added support to configure "Caller ID Display" in Web UI.
- Updated some Chinese translations.

- Updated the CPE to 1.0.1.141 to better support GDMS.

## BUG FIX

- Fixed DP7xx changes hold status to incoming call status when remote also hold the call.
- Fixed DP7xx handsets failed to ring during paging call.
- Fixed DP7xx web UI option “Authenticate Conf File” does not take effect after enabled under provision setting page.
- Fixed DP7xx drops call when 100REL is enabled and using 183 session progress on some platform.
- Fixed DP7xx handset softkey button failed to display “Cancel” when making a second call and the first call hang up by remote during the second call is in ringing.
- Fixed DP7xx intercom all only support attended transfer, while there is a blind transfer menu.
- Fixed DP7xx \*16, \*17 feature code not functioning issue.
- Fixed DP7xx some dial plan setting does not take effect.
- Fixed DP7xx handsets display “call released 512” instead of “line busy” when callee reject the call.
- Fixed DP7xx still able to send out INVITE when account is not registered and “Outgoing Calls Without Registration” is enabled.
- Fixed DP72x/DP730 still display call “Held” after end a held conference call to a single call.
- Fixed DP75x auto reboot after change SIP Transport from TLS to UDP with Custom TLS cert and key.
- Fixed DP75x cannot make intercom call when dial plan is set to { [\*x]+ }.
- Fixed DP75x SNMP trap and trap interval do not take effect with trap version 3.
- Fixed DP75x hold reminder tone does not play after enabled the reminder tone on web UI option.
- Fixed DP75x base station may crash after provisioned by 3CX server and idled for a period of time.
- Fixed DP7xx randomly rejects incoming calls with 486 busy.
- Fixed when DP72x/DP730 is holding the call, if the remote also hold the call, the handset will falsely display a second incoming call UI.
- Fixed DP7xx handsets time cannot be updated in real time after base station time be updated.
- Fixed DP7xx send ACK for the 200OK after the re-INVITE REFER, the ACK will lead NETSAPIENS server response 491 and transfer failed.
- Fixed DP7xx dial plan working as expected issue such as {<=1>x.} and {<=1>x+} were not recognized.
- Removed invalid account status from SSH UI.
- Fixed DP72x and DP730 still retained custom LSK menu after device being factory reset.
- Fixed DP72x and DP730 still shows call in “Held” status after it has been transferred.
- Added support for “” and “\_” in Contacts search box.
- Fixed DP7xx still receives PTT after enabled DND.
- Fixed DP72x and DP730 issue that when it is in ringing status, and receives another incoming call, it replies 486 busy to the second call but not generates a missed call notice.
- Fixed DP72x and DP730 issue that it still prompt missed call after viewed them in “All Calls” and rebooted.

- Fixed DP72x and DP730 cannot display the local-stored contact name when received incoming to a parallel mode account.
- Fixed DP7xx intercom call will fail if the SIP proxy is configured.
- Fixed DP72x and DP730 RSK display as “Silent” instead of “Open” when receiving GDS calls that the caller ID is stored in Contacts.

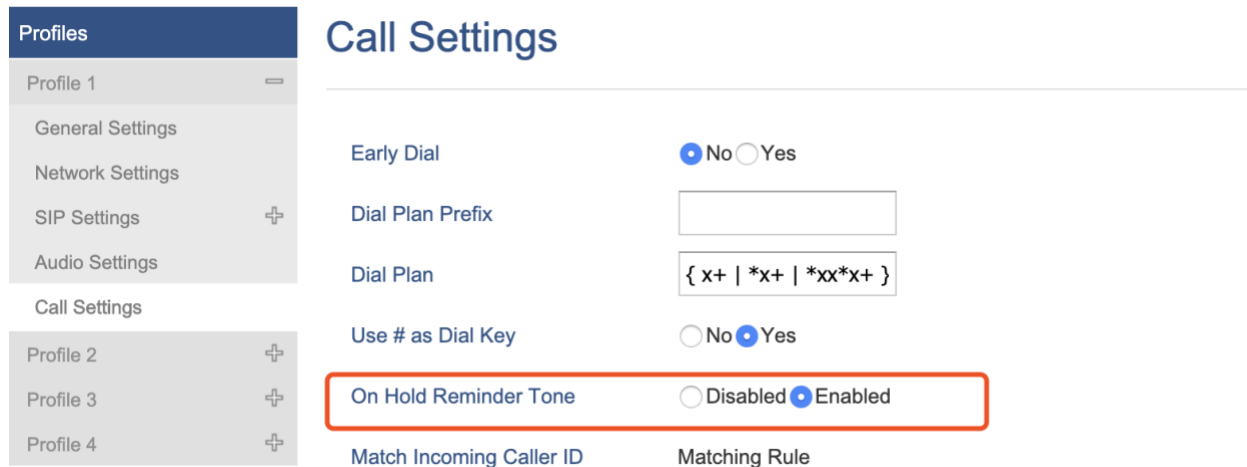
## NEW FEATURES OVERVIEW

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

### ON HOLD REMINDER TONE

- **Functionality**

DP75x now support disable or enable “On Hold Reminder Tone”, to set this, please go to Web UI -> Profile x -> Call Settings -> On Hold Reminder Tone.



The screenshot shows the 'Call Settings' configuration page for Profile 1. The 'On Hold Reminder Tone' option is highlighted with a red box and is currently set to 'Enabled' (radio button selected). Other settings visible include 'Early Dial' (No), 'Dial Plan Prefix' (empty), 'Dial Plan' ({ x+ | \*x+ | \*\*x\*x+ }), 'Use # as Dial Key' (Yes), and 'Match Incoming Caller ID' (Matching Rule).

- **New P Values**

Pvalue	Alias	Description	Value range	Default
26006	profile.1.call.on_hold_reminder_tone	Plays a reminder tone when you have a call on hold	0 – Disabled	1
26106	profile.2.call.on_hold_reminder_tone		1 – Enabled	
26206	profile.3.call.on_hold_reminder_tone			
26306	profile.4.call.on_hold_reminder_tone			

### CALLER ID DISPLAY

- **Functionality**

DP75x now support to configure “Caller ID Display”, to set this, please go to Web UI -> Profile x -> SIP Settings -> Basic Settings -> Caller ID Display.

Ignore Alert-Info header  No  Yes

Use MAC Header  No  Yes except REGISTER  Yes to all SIP

Caller ID Display  Auto  Disabled  From Header

- New P Values**

Pvalue	Alias	Description	Value range	Default
2324	profile.1.sip.caller.id_display	When set to "Auto", the phone will look for the caller ID in the order of P-Asserted Identity Header, Remote-Party-ID Header and From Header in the incoming SIP INVITE. When set to "Disabled", all incoming calls are displayed with "Unavailable".	0 – Auto	0
2424	profile.2.sip.caller.id_display		1 – Disabled	
2524	profile.3.sip.caller.id_display		2 – From Header	
2624	profile.4.sip.caller.id_display			

## FIRMWARE VERSION 1.0.13.0

### PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

### DATE

3/19/2020

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: 0da008189083797f55ec28c681f9671e

### IMPORTANT UPGRADING NOTES

- Since 1.0.7.5, we have added support for new format of P values, for the old **<Pxx>value</Pxx>** format, in the xml config file, please use **<config version="1">**; for the new format of P value, that is **<item name="xx.xx.xx.xx.xx">value</item>**, in the xml config file, please use **<config version="2">**. DP7xx now support both format XML config file but will not work if the version number is wrong.
- Upgrade DP730/DP720/DP722 from 1.0.7.5 to 1.0.9.1 or higher will need update both firmware and resource images, so it will download and reboot twice. After upgraded to 1.0.9.1 or higher, the upgrade procedure will only happen once as always.
- For DP752/DP730/DP722, firmware 1.0.7.5 is the first public released beta firmware.
- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on "Menu" -> "Settings" -> "Firmware Upgrade" to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.

### ENHANCEMENT

- Improved the accuracy of battery detection for DP720.
- Added option to use sip or sips for SIP URI scheme when using TLS. [SIP URI SCHEME WHEN USING TLS]
- Added support for DHCP option 67.
- Added OpenVPN® Comp-lzo option under OpenVPN® Settings page. [OPENVPN® COMP-LZO]

- Added support to disable web UI access by adding the “Disable” option for Web Access Mode setting.
- Add handset option for blind transfer and attended transfer.
- Added DP720 charging current displaying in Settings -> Factory Functions -> System Monitoring.
- Updated the CPE to better support GDMS.
- Added support for SNMP. [SNMP]
- Added support for management interface settings that using a virtual network interface. [MANAGEMENT INTERFACE SETTING]
- Added support for intercom feature without SIP account. [INTERCOM FEATURE WITHOUT SIP ACCOUNT]
- Added support for transfer between HS internally without SIP. [TRANSFER BETWEEN HS INTERNALLY WITHOUT SIP]
- Added support for Broadsoft XSI phonebook. [BROADSOFT XSI PHONEBOOK]
- Added support for Feature Key Synchronization that support both Broadsoft and MetaSwitch, or any server that following the same feature key synchronize standard. [FEATURE KEY SYNCHRONIZATION]
- Added support for Russian keyboard when the language is set to Russian.
- Added support for option "Backup Outbound Proxy" in all Profiles. [BACKUP OUTBOUND PROXY]
- Added support for option "Use SBC" in all Profiles. [USE SBC]
- Added support for new xml format and text format in config files.
- Updated CPE to version 1.0.1.138 to better support GDMS.
- Display configured base station name in the handset “select base” menu instead of using RFPI number.

## BUG FIX

- Fixed DP7xx will stop play ringback tone if handset enabled keypad tone and pressed a key during the ringback period.
- Fixed DP72x and DP730 have some Portuguese wrong translations.
- Fixed DP72x and DP730 do not play call waiting tone when a SIP account is parallel mode and be used in 2 or more handsets.
- Fixed handset failed to display contacts and call history if continuously off hook when connected with a DP760 repeater.
- Fixed DP72x and DP730 may fail to make calls after transfer a call via Intercom call to other handsets.
- Fixed DP75x cannot provision a config XML file that in new alias format.
- Fixed DP72x and DP730 Intercom calls sometimes has no audio.
- Fixed DP75x "Refer-To Use Target Contact" setting does not take effect, which is caused of the "Remote-Part-ID" header field in the INVITE not being correctly processed.
- Fixed DP72x and DP730 issue that after changed the line 1 account, it still uses previous line 1 account by default to dial out.
- Fixed DP75x Web UI option "Remove OBP from Route" does not work issue.



- Fixed DP75x does not send INVITE to Backup Outbound Proxy when the Outbound Proxy is not available.
- Fixed DP72x and DP730 Voicemail Access Number cannot be removed from the LCD settings.
- Fixed DP7xx automatically un-hold a call after 90 seconds.
- Correct São Paulo / Brazil time zone to be UTC-3.
- Added regex limits to SNMP trap address.
- Fixed DP75x CTI calling feature stops working after first CTI call ended.
- Fixed DP75x dial plan incorrectly matched for some cases and failed to append the prefix for dial out number.
- Fixed DP75x LDAPS protocol not working.
- Fixed TR069 ACS URL allows blank space issue.
- Fixed subscription button does not work if reset type set to disabled.
- Fixed HS displays only the first contact's number when an entry has multiple number on same attribute.
- Fixed "Transfer on Conference Hangup" does not work when the handset use different lines to make conference.
- Fixed DP75x does not take DTMF during dialing in some cases.

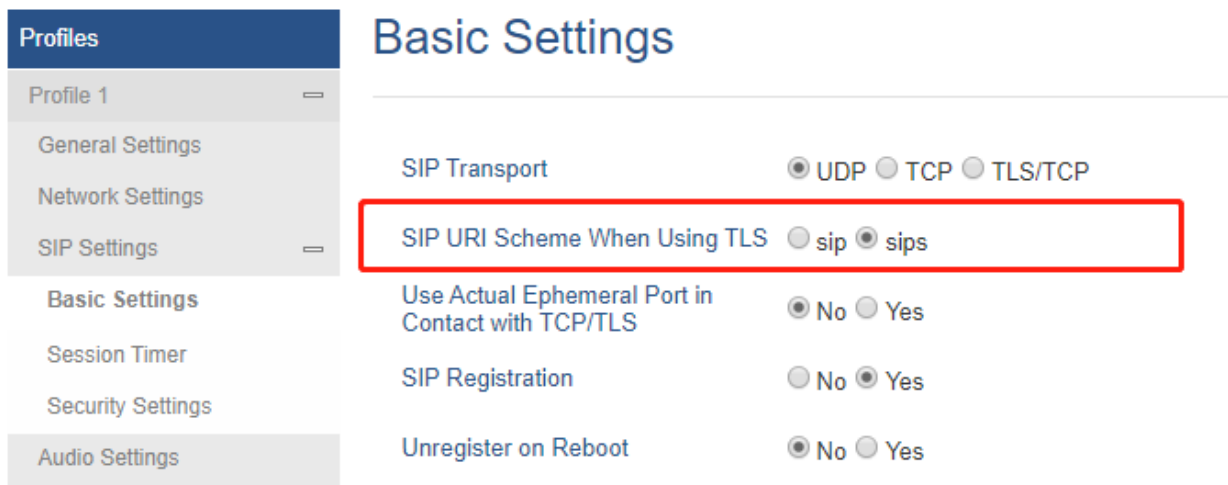
## NEW FEATURES OVERVIEW

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

### SIP URI SCHEME WHEN USING TLS

- **Functionality**

DP75x now support to choose "sip" or "sips" for URI scheme when using TLS. This setting can be found at Web UI -> Profile x -> SIP Settings -> Basic Settings.



The screenshot shows the 'Basic Settings' page in the Grandstream Web UI. On the left is a sidebar menu with 'SIP Settings' selected. The main content area shows several settings: 'SIP Transport' (radio buttons for UDP, TCP, TLS/TCP), 'SIP URI Scheme When Using TLS' (radio buttons for sip and sips, with 'sips' selected and highlighted by a red box), 'Use Actual Ephemeral Port in Contact with TCP/TLS' (radio buttons for No and Yes), 'SIP Registration' (radio buttons for No and Yes), and 'Unregister on Reboot' (radio buttons for No and Yes).

- **New P Values**

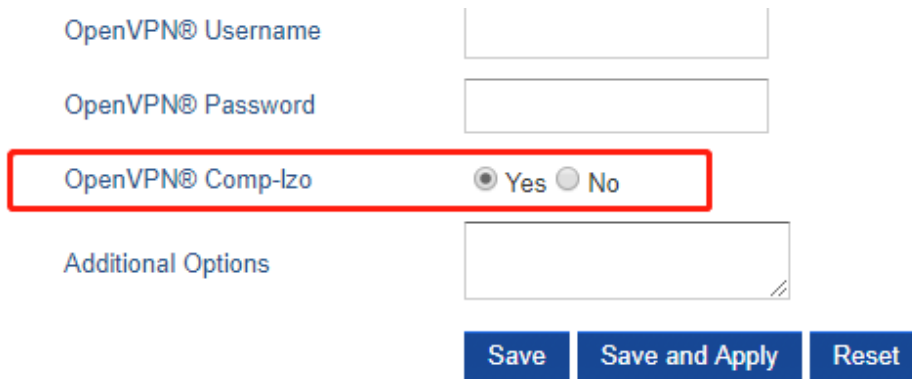
Pvalue	Alias	Description	Value range	Default

2329	profile.1.sip.uri_scheme_when_u	Specifies if "sip:" or "sips:" will be used when TLS/TCP is selected for SIP Transport.	0 – sip	1
2429	sing_tls		1 – sips	
2529	profile.2.sip.uri_scheme_when_u			
2629	sing_tls			
	profile.3.sip.uri_scheme_when_u			
	sing_tls			
	profile.4.sip.uri_scheme_when_u			
	sing_tls			

## OPENVPN® COMP-LZO

- Functionality**

DP75x now support enable or disable Comp-lzo option for OpenVPN. This setting can be found at Web UI -> Settings -> Network Settings -> OpenVPN Settings:



OpenVPN® Username

OpenVPN® Password

**OpenVPN® Comp-lzo**  Yes  No

Additional Options

- New P Values**

Pvalue	Alias	Description	Value range	Default
8508	openvpn.comp_lzo	Enable OpenVPN® Comp-lzo or Not, Default Value is YES	0 – No 1 – Yes	1

## DISABLE WEB ACCESS

- Functionality**

DP75x now support disable the Web UI access. This setting can be found at Web UI -> Maintenance-> Web/SSH Settings -> Web Access Mode, set it to “Disabled” will not allow users to access the Web UI. To reopened, can use the SSH command, config file provision, or do a factory reset.

## Web/SSH Settings

---

HTTP Web Port   
 HTTPS Web Port   
 Web Access Mode  HTTPS  HTTP  Disabled  
 Disable SSH  No  Yes

- New P Values**

Pvalue	Alias	Description	Value range	Default
8508	openvpn.comp_lzo	Enable OpenVPN® Comp-lzo or Not, Default Value is YES	0 – No 1 – Yes	1

### SNMP

- Functionality**

Now DP750/DP752 now support SNMP, the settings can be found at Settings -> Network Settings -> SNMP Settings.



- Settings
- Network Settings
- Basic Settings
- Advanced Settings
- Management Interface Settings
- OpenVPN® Settings
- SNMP Settings
- External Service
- Ring Tones
- System Features

## SNMP Settings

Enable SNMP	<input type="radio"/> Yes <input checked="" type="radio"/> No
Version	<input type="radio"/> Version 1 <input type="radio"/> Version 2 <input checked="" type="radio"/> Version 3
Port	<input type="text" value="161"/>
Trap Community	<input type="text"/>
SNMP Trap Version	<input type="text" value="Trap Version 3"/>
SNMP Trap IP	<input type="text"/>
SNMP Trap Port	<input type="text" value="162"/>
SNMP Trap Interval	<input type="text" value="60"/>
SNMP Username	<input type="text"/>
Security Level	<input checked="" type="radio"/> noAuthUser <input type="radio"/> authUser <input type="radio"/> privUser
Authentication Protocol	<input checked="" type="radio"/> None <input type="radio"/> MD5 <input type="radio"/> SHA
Privacy Protocol	<input checked="" type="radio"/> None <input type="radio"/> DES <input type="radio"/> AES
Authentication Key	<input type="text"/>
Privacy Key	<input type="text"/>
SNMP Trap Username	<input type="text"/>
Trap Security Level	<input checked="" type="radio"/> noAuthUser <input type="radio"/> authUser <input type="radio"/> privUser
Trap Authentication Protocol	<input checked="" type="radio"/> None <input type="radio"/> MD5 <input type="radio"/> SHA
Trap Privacy Protocol	<input checked="" type="radio"/> None <input type="radio"/> DES <input type="radio"/> AES
Trap Authentication Key	<input type="text"/>
Trap Privacy Key	<input type="text"/>

- **New P Values**

Pvalue	Alias	Description	Value range	Default
21896	snmp.enable	Enable or disable SNMP	0 – No 1 – Yes	0
21904	snmp.version	SNMP version	1 – Version 1 2 – Version 2 3 – Version 3	3
21903	snmp.port	SNMP port	161, 1025-65535	161
21902	snmp.community	Name of SNMP trap community	String	Null
21899	snmp.trap.version	SNMP Trap Version	1 – Version 1 2 – Version 2 3 – Version 3	3

21897	snmp.trap.destination.address	IP address of the SNMP trap receiver	IP Address	Null
21898	snmp.trap.destination.port	Port of the SNMP trap receiver	162, 1025-65535	162
21901	snmp.trap.interval	SNMP Trap Interval	1-1440	60
21905	snmp.version3.username	Username for SNMPv3	String	Null
21910	snmp.version3.security.level	Security Level for SNMPv3	0 – noAuthUser 1 – authUser 2 – privUser	0
21906	snmp.version3.auth.protocol	Authentication Protocol for SNMPv3	0 – None 1 – MD5 2 – SHA	0
21907	snmp.version3.priv.protocol	Privacy Protocol for SNMPv3	0 – None 1 – DES 2 – AES	0
21908	snmp.version3.auth.key	Authentication Key for SNMPv3	String	0
21909	snmp.version3.priv.key	Privacy Key for SNMPv3	String	0
21911	snmp.version3.trap.username	Trap Username for SNMPv3	String	Null
21916	snmp.version3.trap.security.level	Security Level for SNMPv3 Trap	0 – noAuthUser 1 – authUser 2 – privUser	0
21912	snmp.version3.trap.auth.protocol	Authentication Protocol for SNMPv3 Trap	0 – None 1 – MD5 2 – SHA	0
21913	snmp.version3.trap.priv.protocol	Privacy Protocol for SNMPv3 Trap	0 – None 1 – DES 2 – AES	0
21914	snmp.version3.trap.auth.key	Authentication Key for SNMPv3 Trap	String	0
21915	snmp.version3.trap.priv.key	Privacy Key for SNMPv3 Trap	String	0

## MANAGEMENT INTERFACE SETTING

- **Functionality**

Now DP750/DP752 now support a virtual network interface, the administrator can use it to access and manage the device.

🔄 📶 📶
Version 1.0.11.9

**Settings**

- Network Settings
- Basic Settings
- Advanced Settings
- Management Interface Settings**
- OpenVPN® Settings
- SNMP Settings
- External Service
- Ring Tones
- System Features

## Management Interface Settings

Enable Management Interface  Enabled  Disabled

Management Access

Layer 2 QoS 802.1Q/VLAN Tag

Layer 2 QoS 802.1p Priority Value

IP Address Mode  DHCP  Static IP

---

### Static IP Settings

IP Address

Subnet Mask

Gateway

DNS Server 1

DNS Server 2

- New P Values**

Pvalue	Alias	Description	Value range	Default
28161	network.mgmt.interface.enable	Enable or disable Management Interface	0 – No 1 – Yes	0
28162	network.mgmt.access.mode	Allow management access to management interface or both service and management interfaces	0 – Management Interface only 1 – Both Service and Management Interfaces	0
22111	network.mgmt.vlan.layer2_qos.tag	Assigns the VLAN Tag of the Layer 2 QoS packets.	161, 1025-65535	0
22112	network.mgmt.layer2_qos.priority	Assigns the priority value of the Layer 2 QoS packets. Valid range is 0 to 7.	String	0
22105	network.mgmt.type	How the IP address obtained on the gateway.	0 – DHCP 1 – Static IP	0
22106	network.mgmt.static.address.ip	Enter the IP address when static IP is used.	IP Address	192.168.100.100

22107	network.mgmt.static.netmask.ip	Enter the Subnet Mask when static IP is used.	IP Address	255.255.255.0
22108	network.mgmt.static.router.ip	Enter the Default Gateway when static IP is used.	IP Address	192.168.100.1
22109	network.mgmt.static.dns.1.ip	Enter DNS Server 1 when static IP is used.	IP Address	0.0.0.0
22110	network.mgmt.static.dns.2.ip	Enter DNS Server 2 when static IP is used.	IP Address	0.0.0.0

## INTERCOM FEATURE WITHOUT SIP ACCOUNT

- **Functionality**

Previously, DP75x only support intercom when the destination handset has at least 1 SIP account registered and assigned. Now since 1.0.11.9, this SIP account is not required, and the intercom will work without SIP account.

## TRANSFER BETWEEN HS INTERNALLY WITHOUT SIP

- **Functionality**

Previously, DP75x support transfer a call to another handset, but required to use a SIP account, now since 1.0.11.9, DP75x can transfer a call to another handset even it has no SIP account registered.

## BROADSOFT XSI PHONEBOOK

- **Functionality**

1.0.11.9 added the support for Broadsoft XSI phonebook, the settings are under Phonebook -> Global Phonebook Broadsoft XSI Settings. In order to use, it required to configure the Global Phonebook Type to "XSI". Please follow the GXP phones XSI guide to configure the device.

[http://www.grandstream.com/sites/default/files/Resources/GXP2130\\_2140\\_2160\\_Xsi\\_Guide\\_0.pdf](http://www.grandstream.com/sites/default/files/Resources/GXP2130_2140_2160_Xsi_Guide_0.pdf)



- Phonebook
- Global Phonebook XML Settings
- Global Phonebook LDAP Settings
- Global Phonebook Broadsoft XSI Settings
- Private Phonebook Settings

## Broadsoft XSI

 Global Phonebook Type 

### XSI

 Server   
 Port   
 XSI Actions Path   
 Broadsoft Contact Download Interval   
 XSI Authentication Type 

#### Login Credentials

 Login Username   
 Login Password 

#### SIP Credentials

 SIP UserName   
 SIP User ID   
 SIP Password 

### Network Directories

Type	Name
Group Directory	<input type="text" value="Disabled"/>
Enterprise Directory	<input type="text" value="Disabled"/>
Group Common	<input type="text" value="Disabled"/>
Enterprise Common	<input type="text" value="Disabled"/>
Personal Directory	<input type="text" value="Disabled"/>

- **New P Values**

Pvalue	Alias	Description	Value range	Default
1591	broadsoft.xsi.server	Broadsoft XSI server address with protocol	String	Null
1592	broadsoft.xsi.port	Port of the Broadsoft XSI server	1 – 65535	80
2937	broadsoft.xsi.XSIActions	XSI Actions Path	161, 1025 - 65535	0
8362	broadsoft.xsi.downloadInterval	Broadsoft Contact Download Interval	5 - 4320	4320



22054	broadsoft.xsi.authType	XSI Authentication Type	0 – Login Credentials 1 – SIP Credentials 2 – Account 1 3 – Account 2 4 – Account 3 5 – Account 4 6 – Account 5 7 – Account 6 8 – Account 7 9 – Account 8 10 – Account 9 11 – Account 10	0
1593	broadsoft.xsi.username	Username for Broadsoft XSI server	String	Null
1594	broadsoft.xsi.password	Password for Broadsoft XSI server	String	Null
6772	broadsoft.xsi.SIPUsername	SIP User Name for Broadsoft XSI server	String	Null
22034	broadsoft.xsi.SIPId	SIP User ID for Broadsoft XSI server	String	Null
6773	broadsoft.xsi.SIPPassword	SIP Password for Broadsoft XSI server	String	Null
2971	broadsoft.xsi.enableGroupDirectory	Enable or disable Group Directory	0 – Disabled 1 – Enabled	0
2972	broadsoft.xsi.groupDirectory	Name of Group Directory	String	Null
2973	broadsoft.xsi.enableEnterpriseDirectory	Enable or disable Enterprise Directory	0 – Disabled 1 – Enabled	0
2974	broadsoft.xsi.enterpriseDirectory	Name of Enterprise Directory	String	Null
2975	broadsoft.xsi.enableGroupCommon	Enable or disable Group Common	0 – Disabled 1 – Enabled	0
2976	broadsoft.xsi.groupCommon	Name of Group Common	String	Null
2977	broadsoft.xsi.enableEnterpriseCommon	Enable or disable Enterprise Common	0 – Disabled 1 – Enabled	0
2978	broadsoft.xsi.enterpriseCommon	Name of Enterprise Common	String	Null
2979	broadsoft.xsi.enablePersonalDirectory	Enable or disable Personal Directory	0 – Disabled 1 – Enabled	0

2980	broadsoft.xsi.personalDirectory	Name of Personal Directory	String	Null
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## FEATURE KEY SYNCHRONIZATION

- Functionality**

To use feature key synchronization function, just enable the “Feature Key Synchronization” at Profiles -> Profile X -> Call Settings. After enabled this function, the device will sync up with the server when enabling / disabling call features like DND, call forward, call waiting. It will use NOTIFY to send the status in XML content to server and accept the NOTIFY from the server. This feature following the Broadsoft and MetaSwitch standard. Any server that following the same standard will be compatible with this feature.

Special Feature

Music On Hold URI

Allow Unsolicited REFER  Disabled  Enabled  Enabled/Force Auth

**Feature Key Synchronization**  Disabled  Enabled

- New P Values**

Pvalue	Alias	Description	Value range	Default
2325	profile.1.subscribe.feature_event	Enable or disable Feature Key Synchronization for profile 1	0 – Disabled 1 - Enabled	0
2425	profile.2.subscribe.feature_event	Enable or disable Feature Key Synchronization for profile 2	0 – Disabled 1 - Enabled	0
2525	profile.3.subscribe.feature_event	Enable or disable Feature Key Synchronization for profile 3	0 – Disabled 1 - Enabled	0
2625	profile.4.subscribe.feature_event	Enable or disable Feature Key Synchronization for profile 4	0 – Disabled 1 - Enabled	0

## BACKUP OUTBOUND PROXY

- Functionality**

DP75x now support the backup outbound proxy, in case when the primary outbound proxy is not working. The setting can be found at Profiles -> Profile X -> General Settings.



**Profiles**

Profile 1 ▾

General Settings

Network Settings

SIP Settings ⇄

Audio Settings

Call Settings

Profile 2 ⇄

Profile 3 ⇄

Profile 4 ⇄

## General Settings

---

Profile Active  No  Yes

Profile Name

SIP Server

Failover SIP Server

Prefer Primary SIP Server  No  Yes

Outbound Proxy

Backup Outbound Proxy

Voice Mail Access Number

- New P Values**

Pvalue	Alias	Description	Value range	Default
2333	profile.1.backup_outbound_proxy.1.address	Backup Outbound Proxy for profile 1	String	Null
2433	profile.2.backup_outbound_proxy.1.address	Backup Outbound Proxy for profile 2	String	Null
2533	profile.3.backup_outbound_proxy.1.address	Backup Outbound Proxy for profile 3	String	Null
2633	profile.4.backup_outbound_proxy.1.address	Backup Outbound Proxy for profile 4	String	Null

## USE SBC

- Functionality**

DP75x now able to configure to use SBC or not for NAT. The setting can be found at Profiles -> Profile X -> Network Settings -> NAT Settings.

**NAT Settings**

NAT Traversal

Use NAT IP

Proxy-Require

**Use SBC**  No  Yes

- New P Values**

Pvalue	Alias	Description	Value range	Default
26090	profile.1.use_sbc	Use SBC for profile 1	0 – Disabled 1 - Enabled	0
26190	profile.2.use_sbc	Use SBC for profile 2	0 – Disabled 1 - Enabled	0
26290	profile.3.use_sbc	Use SBC for profile 3	0 – Disabled 1 - Enabled	0
26390	profile.4.use_sbc	Use SBC for profile 4	0 – Disabled 1 - Enabled	0

## FIRMWARE VERSION 1.0.11.4

### PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

### DATE

10/25/2019

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: c1c11b2cef3c24e547b7fbe74a9ac55d

### IMPORTANT UPGRADING NOTES

- Since 1.0.7.5, we have added support for new format of P values, for the old **<Pxx>value</Pxx>** format, in the xml config file, please use **<config version="1">**; for the new format of P value, that is **<item name="xx.xx.xx.xx.xx">value</item>**, in the xml config file, please use **<config version="2">**. DP7xx now support both format XML config file but will not work if the version number is wrong.
- Upgrade DP730/DP720/DP722 from 1.0.7.5 to 1.0.9.1 or higher will need update both firmware and resource images, so it will download and reboot twice. After upgraded to 1.0.9.1 or higher, the upgrade procedure will only happen once as always.
- For DP752/DP730/DP722, firmware 1.0.7.5 is the first public released beta firmware.
- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on "Menu" -> "Settings" -> "Firmware Upgrade" to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.

### ENHANCEMENT

- Updated CPE to version 137 to better support GDMS.

## FIRMWARE VERSION 1.0.11.2

### PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

### DATE

7/8/2019

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: 6a5dd66836d5382f35726011df564448

### IMPORTANT UPGRADING NOTES

- Since 1.0.7.5, we have added support for new format of P values, for the old **<Pxx>value</Pxx>** format, in the xml config file, please use **<config version="1">**; for the new format of P value, that is **<item name="xx.xx.xx.xx.xx">value</item>**, in the xml config file, please use **<config version="2">**. DP7xx now support both format XML config file but will not work if the version number is wrong.
- Upgrade DP730/DP720/DP722 from 1.0.7.5 to 1.0.9.1 or higher will need update both firmware and resource images, so it will download and reboot twice. After upgraded to 1.0.9.1 or higher, the upgrade procedure will only happen once as always.
- For DP752/DP730/DP722, firmware 1.0.7.5 is the first public released beta firmware.
- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on "Menu" -> "Settings" -> "Firmware Upgrade" to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.

### ENHANCEMENT

- Added warning message when work with GDS door system, to show if open door successful or failed.
- Added DP75X Callee Codec Negotiation Priority option. [CALLEE CODEC NEGOTIATION PRIORITY]
- Added Chile time zone.
- Added support to bypass the dial plan check when redial / call back phone number via call history.

- Changed SIP account name length from 14 characters to 256.

## BUG FIX

- Fixed handsets cannot redial unless pressing off-hook after handset been factory reset.
- Corrected DP752 UPNP friendlyName to be DP752-{MAC}.
- Fixed DP75X DSCP of SIP, change it to be CS5 instead of CS3.
- Changed DP75x certificate "issue by" to be Common Name only.
- Updated the help text of firmware upgrade and provisioning related fields to indicate the support of FTP and SFTP protocol.
- Fixed DP75X do not send REGISTER to the option 120 URL when there is one address on option 120.
- Fixed DP75X IP address/subnet/gateway/DNS changed to 0.0.0.0 after set SIP TLS Private Key.
- Fixed DP760 display "Open Subscription" and "Page All" button on the icon bar.
- Fixed gateway does not update after connected to a different network.
- Fixed after DP75x factory reset, the Option 60 been set to null instead of its default value.
- Updated CPE to 1.0.1.128 to improve the support for GDMS platform.
- Fixed DP75X Music on Hold URI option does not take effect.
- Fixed DP75X Off-hook Auto Dial option does not take effect.

## NEW FEATURES OVERVIEW

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

### CALLEE CODEC NEGOTIATION PRIORITY

- **Functionality**

Now DP750/DP752 now can set the callee codec negotiation priority at: Profile X -> Audio Settings -> Callee codec negotiation priority. When callee, whose codecs are given priority in negotiation, local or remote (default is remote). Setting it to "Remote" will use remote codec priority, or local will use local priority. By default, it uses Remote priority.

Voice Frames per TX

G723 Rate  6.3kbps encoding rate  5.3kbps encoding rate

G726-32 Packing Mode  ITU  IETF

iLBC Frame Size  20 ms  30 ms

iLBC Payload Type

Disable OPUS stereo in SDP  No  Yes

OPUS Payload Type

Use First Matching Vocoder in 200OK SDP  No  Yes

**Callee codec negotiation priority**

SRTP Mode

Crypto Life Time  No  Yes

Silence Suppression (VAD)  No  Yes

Jitter Buffer Type

Jitter Buffer Length

**Voice Monitoring**

Enable RTCP  Disabled  RTCP  RTCP-XR

- New P Values**

Pvalue	Alias	Description	Value range	Default
29061	profile.1.audio.callee_codec_negotiation_priority	Profile 1 Callee codec negotiation priority	0 – Remote 1 - Local	0
29161	profile.2.audio.callee_codec_negotiation_priority	Profile 2 Callee codec negotiation priority	0 – Remote 1 - Local	0
29261	profile.3.audio.callee_codec_negotiation_priority	Profile 3 Callee codec negotiation priority	0 – Remote 1 - Local	0
29361	profile.4.audio.callee_codec_negotiation_priority	Profile 4 Callee codec negotiation priority	0 – Remote 1 - Local	0



## FIRMWARE VERSION 1.0.9.9

### PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

### DATE

4/23/2019

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: 5b7b6c0079c3e6758f452a71da0fa90f

### IMPORTANT UPGRADING NOTES

- Since 1.0.7.5, we have added support for new format of P values, for the old **<Pxx>value</Pxx>** format, in the xml config file, please use **<config version="1">**; for the new format of P value, that is **<item name="xx.xx.xx.xx.xx">value</item>**, in the xml config file, please use **<config version="2">**. DP7xx now support both format XML config file but will not work if the version number is wrong.
- Upgrade DP730/DP720/DP722 from 1.0.7.5 to 1.0.9.1 or higher will need update both firmware and resource images, so it will download and reboot twice. After upgraded to 1.0.9.1 or higher, the upgrade procedure will only happen once as always.
- For DP752/DP730/DP722, firmware 1.0.7.5 is the first public released beta firmware.
- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on "Menu" -> "Settings" -> "Firmware Upgrade" to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.

### ENHANCEMENT

- Added DP75X Trusted CA Certificate option for HTTPS/FTPS. [TRUSTED CA CERTIFICATES]
- Added support to configure customized time zone and daylight-saving time (DST) on the web UI. [CUSTOMIZED TIMEZONE AND DAYLIGHT-SAVING TIME SETTINGS]
- Removed the limitation of Intercom call that it must enable Direct IP call. Now the Intercom call will be working regardless if Direct IP Call is disabled or not.
- Increased DP75X web UI voice mail user ID character length to 30.

- Increased SIP Certificate length limitation from 2048 characters to 8192.
- Added support to show warning messages on handset GUI after clicking “Open” button for GDS doorbell, now it will display success or failed to indicate the result.
- Added support for FTP/FTPS User Name/Password for firmware upgrade and provisioning.
- Added support to configure Voice Mail access number on DP75X web UI as the same as GXP21XX phones, now configure the access code to “\*97,,password” will automatically dial the Voice Mail box and enter the password.

## BUG FIX

- Fixed DP75X keep using the “#” as dial key even after setting “Use # as Dial Key” as “No”.
- Fixed DP75X sometimes crash when calling number as 011xxxxxx.
- Fixed DP75X does not send DNS request to the Preferred DNS Server at first.
- Fixed DP75X does not set time zone properly in the recovery image.
- Fixed DP75X setting of Validate Server Certificates does not take effect.
- Fixed DP75X fixed Web UI support documentation URL link cannot be found error.
- Improved DP72X/DP730 Intercom call feature:
  - Removed “conference” option when one of the calling is intercom call.
  - Left softkey now will display Intercom or Line correctly by matching the entered digit.
  - Fixed when handsets have 2 intercom calls with different handsets, one of the call will display SIP account instead of HS name.
- Fixed DP75X web UI customized ringtones display full file path instead of just file name.
- Fixed DP75X Device Custom Certificate does not take effect after enabled.
- Fixed DP72X/DP730 failed to open GDS doorbell after first answered GDS call and then answered/rejected the second call from other non-GDS accounts.
- Fixed DP75X can be factory reset when there is active call, now it will factory reset after all calls on the base been released.
- Fixed DP75X LLDP system description and firmware revision TLV incorrect issue.
- Fixed DP75X Allow Unsolicited REFER issue that it does not transfer a call when received REFER with Allow Unsolicited REFER enabled.
- Fixed DP75X Web UI cannot set Phonebook download mode to TFTP.
- Fixed DP72X/DP730 missed call notification count number is incorrect when same account calls are merged.

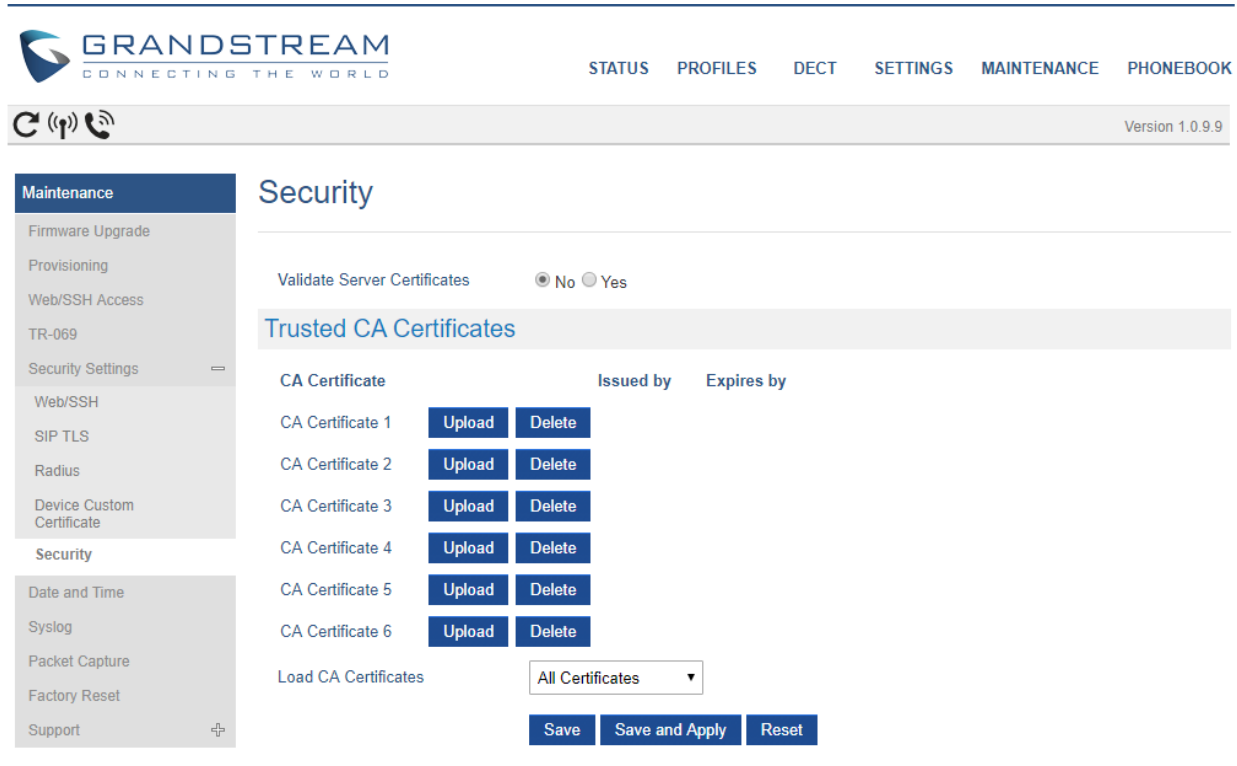
## NEW FEATURES OVERVIEW

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

### TRUSTED CA CERTIFICATES

- **Functionality**

Now DP750/DP752 can upload Trusted CA Certificates for HTTPS/FTPS server. Customer can choose what certificates used to verify the server: default certificate only (built-in), custom certificate only or all certificates.



- **New P Values**

Pvalue	Alias	Description	Value range	Default
8433	maintenance.security.device.trusted_ca.1	Text for trusted ca content	string	null
8434	maintenance.security.device.trusted_ca.2	Text for trusted ca content	string	null
8435	maintenance.security.device.trusted_ca.3	Text for trusted ca content	string	null
8436	maintenance.security.device.trusted_ca.4	Text for trusted ca content	string	null
8437	maintenance.security.device.trusted_ca.5	Text for trusted ca content	string	null
8438	maintenance.security.device.trusted_ca.6	Text for trusted ca content	string	null
8502	maintenance.security.load_ca_certificates	Phone will verify the server certificate based on the built-in,	0 - Default Certificates	2

		custom or both trusted certificates list.	1 - Custom Certificates 2 - All Certificates	
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## CUSTOMIZED TIMEZONE AND DAYLIGHT-SAVING TIME SETTINGS

- Functionality**

Now DP750/DP752 can disable session timer on web UI, which is under Profile X -> SIP Settings -> Session Timer. By default, it is enabled.

**Maintenance**

- Firmware Upgrade
- Provisioning
- Web/SSH Access
- TR-069
- Security Settings +
- Date and Time**
- Syslog
- Packet Capture
- Factory Reset
- Support +

### Date and Time

---

NTP Server

NTP Update Interval

Allow DHCP Option 42 to NTP Server  No  Yes

#### System Time Zone Settings

Time Zone

Self-Defined Time Zone

Allow DHCP Option 2 to override time zone  No  Yes

#### Custom Time Zone Settings

Custom Time Zones

UTC Offset

Second Offset

DST Type

Start & End Times Start  :  End  :

**Time zone settings by week**

Start & End Months Start  End

Start & End settings by week Start  Week  End  Week

**Time zone settings by day**

Start & End settings by day Start  End

- New P Values**

Pvalue	Alias	Description	Value range	Default
27828	maintenance.date_time.enable_time_zone	Enable or disable customized time zone.	0 - Disabled 1 - Enabled	0

27829	maintenance.date_time.time_zone_day_week	DST Type, set Daylight Savings by day or by week.	0 – by week 1 – by day	0
27830	maintenance.date_time.time_zone_offset	UTC offset	-12 ~ 14	0
27831	maintenance.date_time.time_zone_month	Start months for custom time zone that daylight savings type is by week.	1 ~ 12 for 12 months	4
27832	maintenance.date_time.time_zone_hour	Start hour for custom time zone that daylight savings type is by week.	0 ~ 23	2
27833	maintenance.date_time.time_zone_minute	Start minute for custom time zone that daylight savings type is by week.	0 ~ 59	0
27834	maintenance.date_time.time_zone_day_of_week	Start weekday for custom time zone that daylight savings type is by week.	0 ~ 6 (0 is Sunday, 6 is Saturday)	0
27835	maintenance.date_time.time_zone_week	Start week number for custom time zone that daylight savings type is by week.	1 – Week 1 2 – Week 2 3 – Week 3 4 – Week 4 5 – Week 5	1
27836	maintenance.date_time.time_zone_day_of_year	Start day for custom time zone that daylight savings type is by day.	0 – 365	1
27837	maintenance.date_time.second_time_zone_offset	Second Offset	-12 ~ 14	0
27838	maintenance.date_time.second_time_zone_month	End months for custom time zone that daylight savings type is by week.	1 ~ 12 for 12 months	9

27839	maintenance.date_time.second_time_ zone_hour	End hour for custom time zone that daylight savings type is by week.	0 ~ 23	2
27840	maintenance.date_time.second_time_ zone_minute	End minute for custom time zone that daylight savings type is by week.	0 ~ 59	0
27841	maintenance.date_time.second_time_ zone_day_of_week	End weekday for custom time zone that daylight savings type is by week.	0 ~ 6 (0 is Sunday, 6 is Saturday)	0
27842	maintenance.date_time.second_time_ zone_week	End week number for custom time zone that daylight savings type is by week.	1 – Week 1 2 – Week 2 3 – Week 3 4 – Week 4 5 – Week 5	1
27843	maintenance.date_time.second_time_ zone_day_of_year	End day for custom time zone that daylight savings type is by day.	0 – 365	1

# FIRMWARE VERSION 1.0.9.1

## PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730 / DP722

## DATE

3/1/2019

## FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: aaa031f5526d55fd630fec6a6d91d287

## IMPORTANT UPGRADING NOTES

- For DP752/DP730/DP722, firmware 1.0.7.5 is the first public released beta firmware.
- For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on “Menu” -> “Settings” -> “Firmware Upgrade” to upgrade to 1.0.7.5.
- For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.

## ENHANCEMENT

- Added option to enable or disable Session Timer for DP75x. [DISABLE SESSION TIMER]
- Added option to enable or disable DP730 keypad backlight at GUI -> Settings -> Display.
- Added “Silent” for DP730 central softkey when receiving a GDS doorbell call.
- Added support of EXTRA DEBUG level Syslog for DP75X.
- Upgraded Dropbear SSH from version 2016.74 to 2018.76 to enhance the security.
- Upgraded mini\_httpd 1.19 to 1.30 to enhance the security.
- Add ability to manually configure date and time on the base Web GUI. [MANUALLY CONFIGURE DATE AND TIME]
- Added support to enable or disable “Allow Unsolicited REFER” option for DP750/DP752. [ALLOW UNSOLICITED REFER]
- Change DP720/DP730 Preferences option “Mute as DND” default to “Enabled” from “Disabled” to make enabling DND more convenient.
- Added support for Intercom feature. [INTERCOM]

## BUG FIX

- Fixed DP720/DP730 stop playing dial tone when connect USB power cable during off-hook.
- Fixed DP720/DP730 speaker volume does not match configured volume if off-hook first then enable speaker mode.
- Fixed DP720/DP730 issue when have a call on hold and another incoming call rings, unhold the first call will have no audio or abnormal UI depends on the ringtone settings.
- Fixed DP720/30 default outgoing line is not the first order and be selected when choose line in the dialing interface.
- Fixed DP730 will not auto dial out after no key entered timeout that is 4 seconds by default.
- Fixed DP720/DP730 change ringtone 6, 7, 8 volume does not take effect issue.
- Fixed DP720/DP730 cannot use speaker key to call out when has multiple accounts.
- Fixed DP730 cannot use center navigation button to save SIP settings and system settings.
- Fixed DP720/DP730 keypad tone becomes abnormal after enter audio loopback diagnosis and exit before completed.
- Fixed DP720/DP730 still shows “transfer” and “cancel” option after call been hold, changed it to “select” and “unhook”.
- Fixed DP750/DP752 some STUN Server Address setting issue
- Fixed DP750/DP752 option “Layer 2 QoS 802.1p Priority Value for SIP signaling” cannot be saved after being changed.
- Fixed DP750/DP752 web status page shows account status is “in idle” while there is ongoing call.
- Fixed DP750/DP752 SSH status result return idle status while the account is being used.
- Fixed DP750/DP752 profile 4 session timer UAS Specify Refresher cannot be changed to UAS.
- Fixed DP720/DP730 “Delete All” option for contacts to only delete all private contacts.
- Fixed DP750/DP752 does not apply the configuration file when set SIP protocol to be TLS.
- Fixed DP750/DP752 semi-attended failed when enabled Refer-To User Target Contact.
- Fixed DP750/DP752 call failed when behind BroadSoft SBC because of 2 m lines for both RTP and SRTP streaming.
- Fixed DP720/DP730 stopped to calculate call talk time after it answered another call.
- Fixed DP720/DP730 Hebrew contact name is not displayed from right to left issue.
- Fixed Session Timer UAS specify refresher is not following RFC4028 issue.
- Fixed DP720/DP730 issue that the SRTP security icon should be displayed only if both TLS and SRTP are enabled.
- Fixed DP750/DP752 does not respect Session Timer when using compact header.
- Fixed DP750/DP752 unable to download firmware when trying to upgrade it via an HTTPS server with option `ssl_verify_client` enabled on the server.
- Fixed DP750/DP752 should not reboot via SSH command when there is an ongoing call.
- Fixed some inappropriate translations.

## NEW FEATURES OVERVIEW

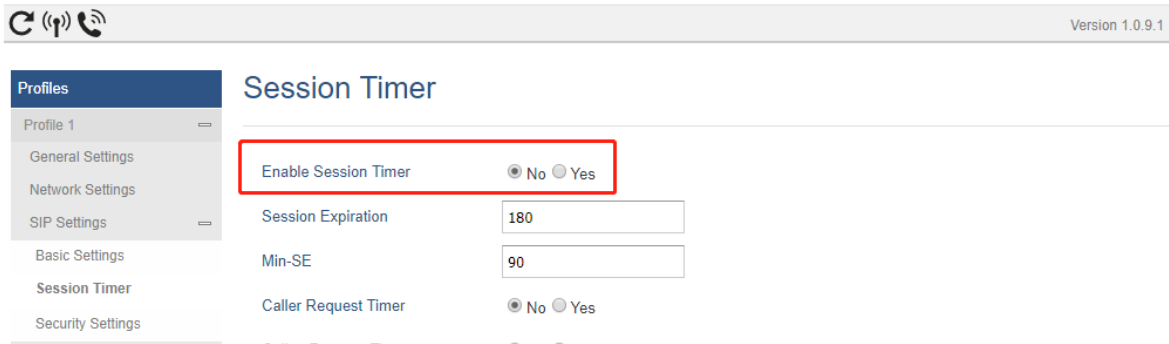
This section lists major new features and describes how to use it from the user’s point of view.



## DISABLE SESSION TIMER

- Functionality**

Now DP750/DP752 can disable session timer on web UI, which is under Profile X -> SIP Settings -> Session Timer. By default, it is enabled.



Version 1.0.9.1

**Profiles**

- Profile 1
- General Settings
- Network Settings
- SIP Settings
- Basic Settings
- Session Timer
- Security Settings

### Session Timer

Enable Session Timer  No  Yes

Session Expiration: 180

Min-SE: 90

Caller Request Timer  No  Yes

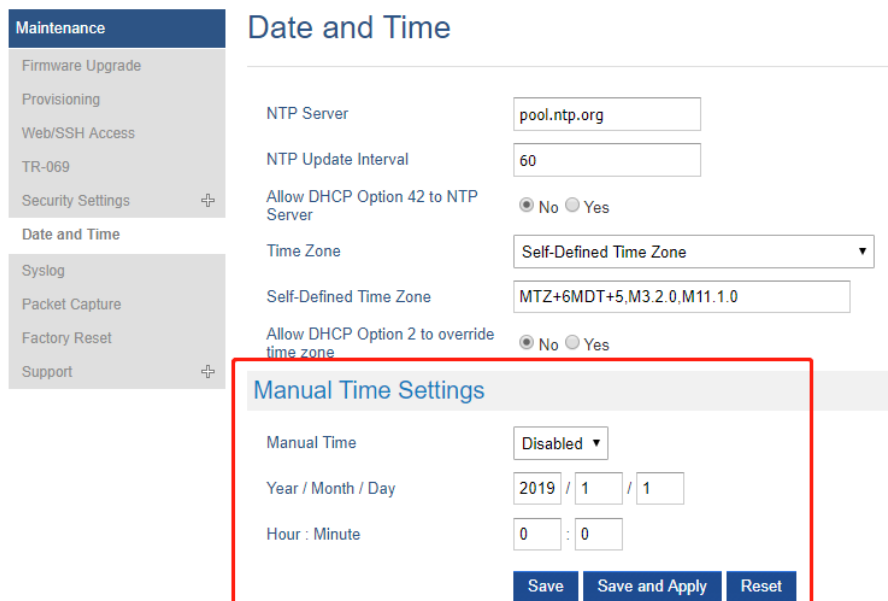
- New P Values**

Pvalue	Alias	Description	Value range	Default
P2395	profile.1.sip.enable_session_timer	<New Pvalue>	0 – Disabled	1 – Enabled
P2495	profile.2.sip.enable_session_timer	To enable/disable	1 – Enabled	
P2595	profile.3.sip.enable_session_timer	Session Timer		
P2695	profile.4.sip.enable_session_timer	support.		

## MANUALLY CONFIGURE DATE AND TIEM

- Functionality**

Instead of using NTP server to automatically get the time from internet, now DP support manually configure the date and time, the settings are under Maintenance -> Date and Time.



**Maintenance**

- Firmware Upgrade
- Provisioning
- Web/SSH Access
- TR-069
- Security Settings
- Date and Time
- Syslog
- Packet Capture
- Factory Reset
- Support

### Date and Time

NTP Server: pool.ntp.org

NTP Update Interval: 60

Allow DHCP Option 42 to NTP Server  No  Yes

Time Zone: Self-Defined Time Zone

Self-Defined Time Zone: MTZ+6MDT+5,M3.2.0,M11.1.0

Allow DHCP Option 2 to override time zone  No  Yes

#### Manual Time Settings

Manual Time: Disabled

Year / Month / Day: 2019 / 1 / 1

Hour : Minute: 0 : 0

Save Save and Apply Reset

- New P Values**

Pvalue	Alias	Description	Value range	Default
P27821	maintenance.date_time.enable_manual_time	<New Pvalue> Disable/Enable manual time setting	0 – Disabled 1 – Enabled	0 – Disabled
P27823	maintenance.date_time.manual_time_year	Year	2016-2037	2019
P27824	maintenance.date_time.manual_time_month	Month	1 - 12	1
P27825	maintenance.date_time.manual_time_day	Day	1 - 31	1
P27826	maintenance.date_time.manual_time_hour	Hour	0 - 11	0
P27827	maintenance.date_time.manual_time_minute	Minute	0 - 59	0

## ALLOW UNSOLICITED REFER

- Functionality**

User now can configure if allow unsolicited REFER to accomplish an outgoing call. The settings are under Profile X -> SIP Settings -> Call Settings.

Send Anonymous  No  Yes  
 Anonymous Call Rejection  No  Yes  
 Special Feature   
 Music On Hold URI   
**Allow Unsolicited REFER**  Disabled  Enabled  Enabled/Force Auth

- New P Values**

Pvalue	Alias	Description	Value range	Default
P26023	profile.1.sip.allow_unsolicited_refer	<New Pvalue>	0 – Disabled	0 –
P26123	profile.2.sip.allow_unsolicited_refer	Allow unsolicited	1 – Enabled	Disabled
P26223	profile.3.sip.allow_unsolicited_refer	REFER to	2 –	
P26323	profile.4.sip.allow_unsolicited_refer	accomplish an outgoing call.	Enabled/Force Auth	

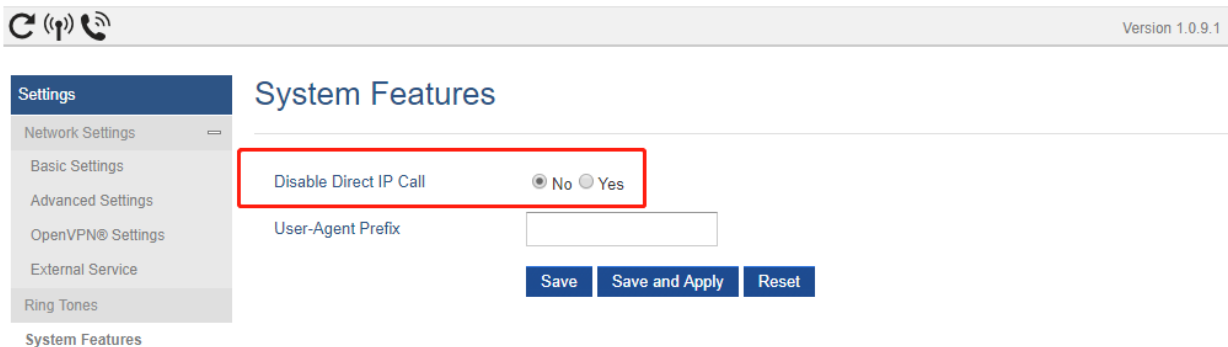
## INTERCOM

- **Functionality**

Intercom (intercommunication) provide users ability to make phone calls between different handsets directly without remembering each user's phone number. To use it, users need go to Handset GUI -> Shortcut to configure an navigation key (up, down, left or right key) to "Intercom". When using it, just press the key just configured, choose the handset name that you want to call.

As 1.0.9.1 is the first version we start to support Intercom feature, there are some known limitations that we plan to remove in a future release:

1. Each handset needs at least one SIP account registered.
2. The Base need enable Direct IP Call (By default, this is enabled at Web UI -> Settings -> System Features)



Version 1.0.9.1

**Settings**

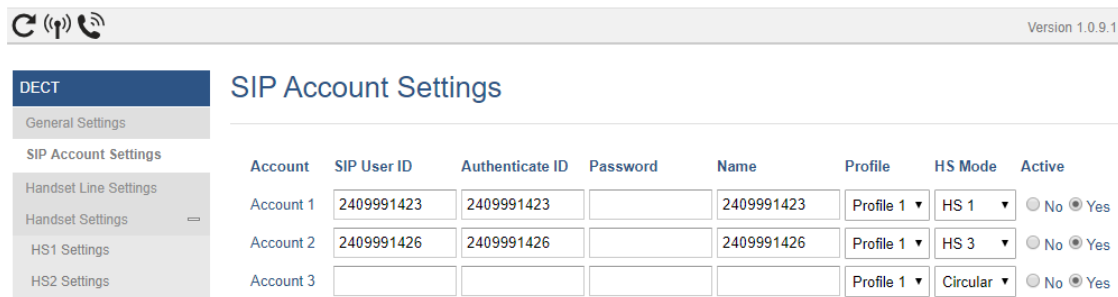
- Network Settings
- Basic Settings
- Advanced Settings
- OpenVPN® Settings
- External Service
- Ring Tones
- System Features

### System Features

Disable Direct IP Call  No  Yes

User-Agent Prefix

**Save** **Save and Apply** **Reset**



Version 1.0.9.1

**DECT**

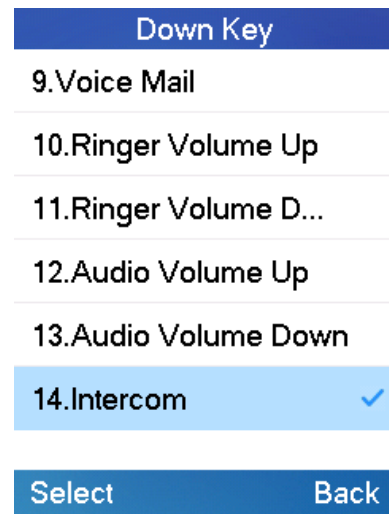
- General Settings
- SIP Account Settings
- Handset Line Settings
- Handset Settings
- HS1 Settings
- HS2 Settings

### SIP Account Settings

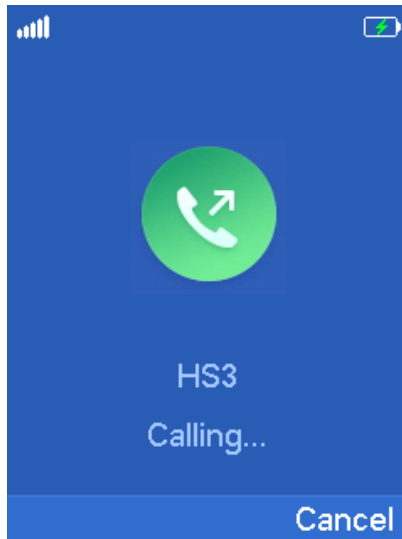
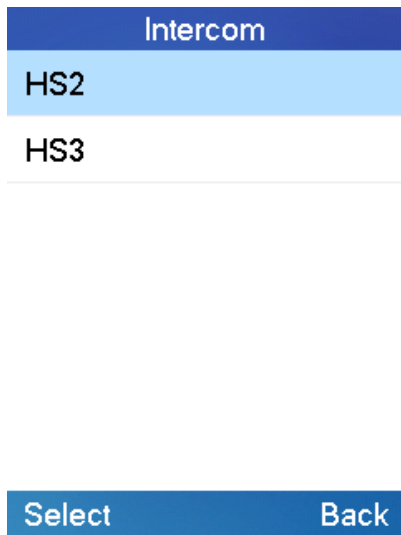
Account	SIP User ID	Authenticate ID	Password	Name	Profile	HS Mode	Active
Account 1	2409991423	2409991423		2409991423	Profile 1	HS 1	<input type="radio"/> No <input checked="" type="radio"/> Yes
Account 2	2409991426	2409991426		2409991426	Profile 1	HS 3	<input type="radio"/> No <input checked="" type="radio"/> Yes
Account 3					Profile 1	Circular	<input type="radio"/> No <input checked="" type="radio"/> Yes

- **Configure and usage on Handset:**

For example, in below screenshots we configure the Down Key to use Intercom feature.



To use the Intercom, press Down Key, it will pop up all available handsets' name, select the one you want to dial by left softkey or green off-hook button, initiate the call.



If the Intercom call failed, please check if the handset has a valid SIP account registered and Direct IP call is enabled.

## FIRMWARE VERSION 1.0.7.5

### PRODUCT NAME

DP750 / DP720 / DP760 / DP752 / DP730

### DATE

1/29/2019

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: 86afe0c9b4c5de4df3b3e908008377a4

### IMPORTANT UPGRADING NOTES

- **For DP752/DP730, firmware 1.0.7.5 is the first public released beta firmware.**
- **For DP720, after the base station (DP750 or DP752) upgraded to 1.0.7.5, the handset DP720 will not automatically upgrade because of the whole GUI has been changed from 1.0.4.10. Users please manually operation the handset firmware on “Menu” -> “Settings” -> “Firmware Upgrade” to upgrade to 1.0.7.5.**
- **For all DP series, once upgraded to 1.0.7.5 or above, downgrading to 1.0.4.10 or previous firmware version is not supported.**

### ENHANCEMENT

- Added support for DP752/DP730 model.
- Changed DP720 GUI to new design with new style. [DP720 GUI UPDATES]
- Added support for Push-to-Talk for DP720. [DP720 PTT FEATURE]
- Added support to work with GDS3710/GDS3705 to remote open door with “Open” button. [REMOTE OPENDOOR FOR GDS3710/GDS3705]
- Added support for “Music on Hold URI” for DP750. [MUSIC ON HOLD URI]
- Added support for “Use Random SIP Port” for DP750. [USE RANDOM SIP PORT]
- Disable DP720 auto upgrade to 1.0.7.X or above.
- Improved DP720 built-in ringtones.
- Added support for new format of P values, which has more meaningful name. [NEW FORMAT OF PVALUES]

### BUG FIX

- Fixed DP750 "Enable Call Waiting in Parallel Mode" need reboot to take effect.

- Fixed DP750 issue that it sometimes crash and self-generate a core dump file, only recover after reboot.
- Fixed DP720 does not display the contact name on the call history if the number starts with “+”.

## NEW FEATURES OVERVIEW

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

### DP720 GUI UPDATES

- **Functionality**

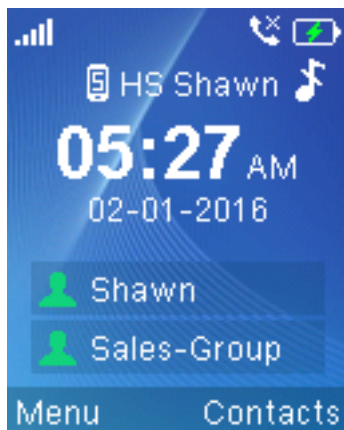
DP720 GUI has been updated on 1.0.7.5. Once upgraded to new GUI, the handset will not able to downgrade to 1.0.4.10. To use 1.0.7.5 new GUI, the user need go to handset “Menu” -> “Settings” -> “9. Firmware Upgrade” to start the upgrade. Even DP750 enabled handset automatically to upgrade, for this specific time, because of the GUI has been redesigned, the user need click the “9. Firmware Upgrade” to complete the upgrade.

Below screenshots are the noticeable changes in the new GUI.

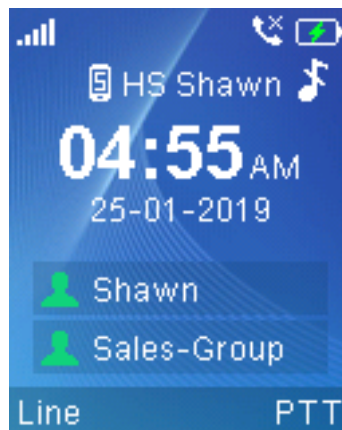
- **Idle screen:**

We changed the maximum SIP account display from 3 to 2 and changed the fonts and style, background picture.

(Default Softkeys)



(Customized Softkeys)

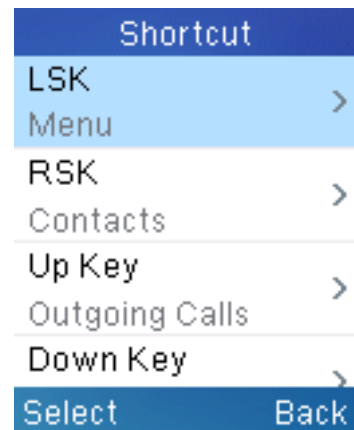
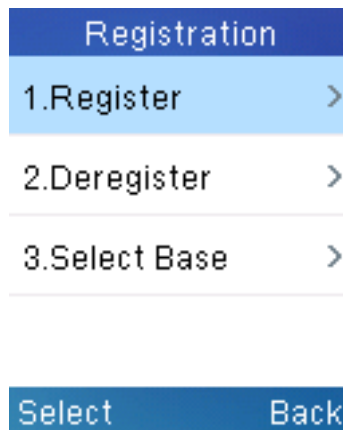
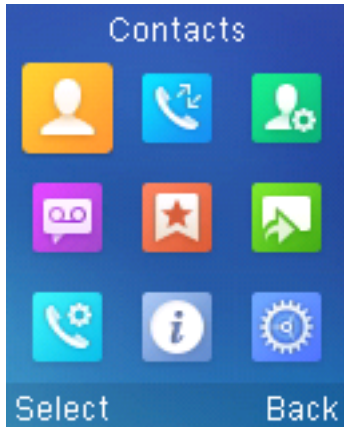


- **Menu**

We changed 6-grid menu to 9-grid. Re-arranged the order, added 3 sections as:

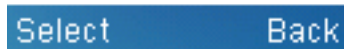
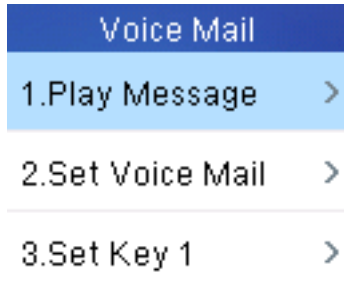
1. **Registration:** to be easier to register handset to base station for out of box experience.
2. **Preferences:** to configure the handset specific preference like auto answer, off-cradle pickup, on-cradle hang-up, enable or disable Push to Talk, etc.

3. **Shortcuts:** to configuration the action of the LSK (Left Softkey), RSK (right Softkey), navigation keys and speed dial from number key. These settings are used to under “Settings” -> “User Settings”. this improved the setting to be more organized and also provide easier access to use PTT, because PTT feature need a dedicated button.



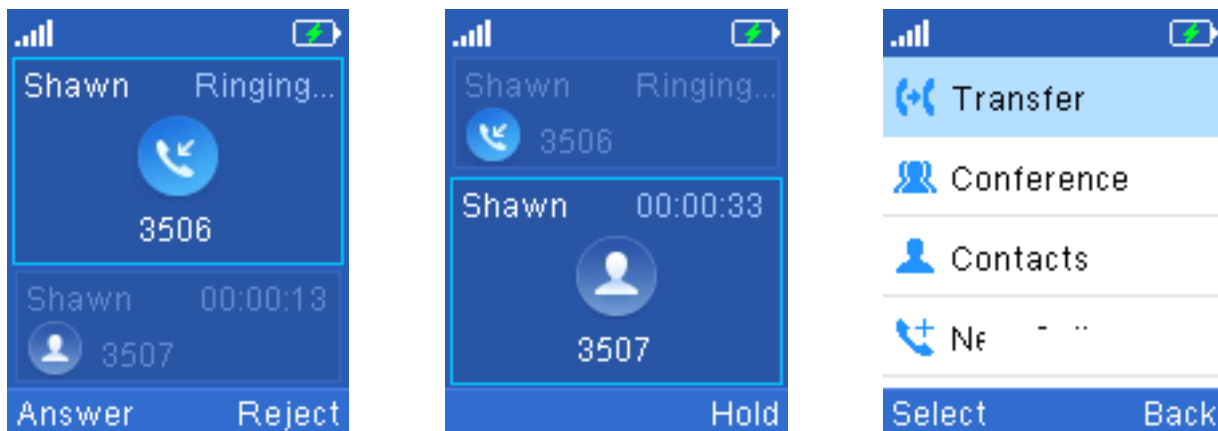
- **Voice Mail:**

On 1.0.4.10, we provided a shortcut button “Key 1” to access the voice mail and printed an icon on it. However, we are surprised to know that some users do not aware of this “key 1” shortcuts, so now we promoted this configuration, to help users more confident and convenient to use key 1 to access a preconfigured voice mail.



- **Calling Operation**

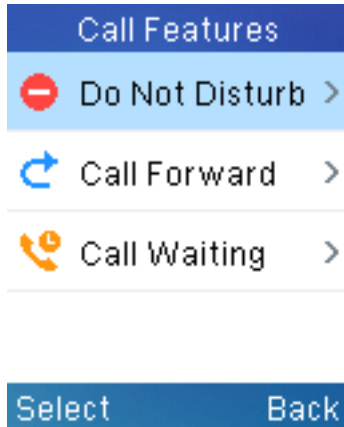
Now when you have 2 concurrent call on the same handset, you will be able to select between 2 calls by Up and Down key and choose to how to operate the calls. The on-hook (red button) will always act for hang-up the current selected call. This makes the call operation more intuitive.



- **Call Features**

Call features are now all line specific settings, compare to preferences that are all handset specific settings. We also improved the Call Forward settings to allow users to quickly enable and disable the settings without wipe the forward destination number. On 1.0.4.10 when you disabled the call forward, the destination number will be also removed.





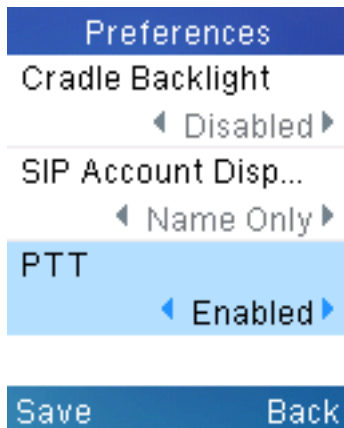
## DP720 PTT FEATURE

- **Web Configuration**

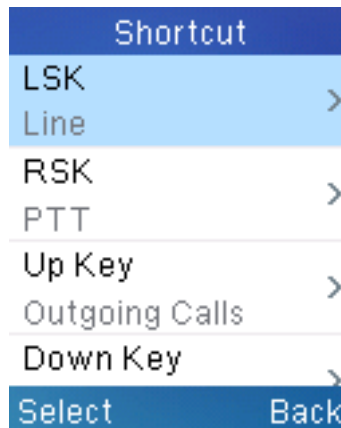
PTT feature is always enabled on the base station, to use the PTT feature, users need enable the PTT on handset at:

Handset Menu -> Preferences -> PTT -> set "Enabled". Also, to use PTT, the handset need a dedicated button to push and then to talk, user can choose to use either LSK (Left Softkey) or RSK (Right Softkey) in Shortcuts settings. (If you forgot to enable the PTT, when you press the PTT softkey, it will redirect you to the setting to enable it before you can use it.)

(Step1: Enable)



(Step2: Choose a softkey)



Users can configure "DECT PTT Silence Timer" on the Web UI at -> DECT -> General Settings. When a PTT call established, any handset who enabled PTT feature will automatically join the PTT call. if there is no one talking, after certain time, the PTT call will be closed. This timeout setting is to determine how long the PTT call will be closed after being idle status. If set to 0, the timer will be disabled, and the PTT will be remaining forever until all party exit the PTT call.


**DECT**

# General Settings

**General Settings**

SIP Account Settings

Handset Line Settings

Handset Settings

HS1 Settings

HS2 Settings

HS3 Settings

HS4 Settings

HS5 Settings

Base Station Name

DP7XX

Admin PIN Code

Enable Repeater Mode

 No  Yes

Enable Repeater Management

 No  Yes

DECT PTT Silence Timer

2

Clear Call Logs

Delete

- Functionality**

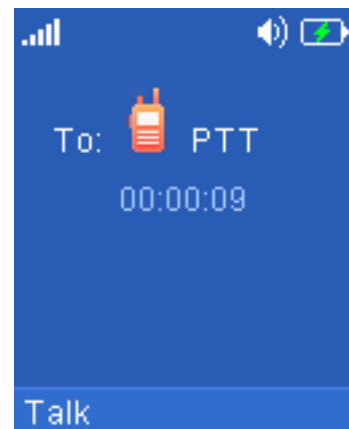
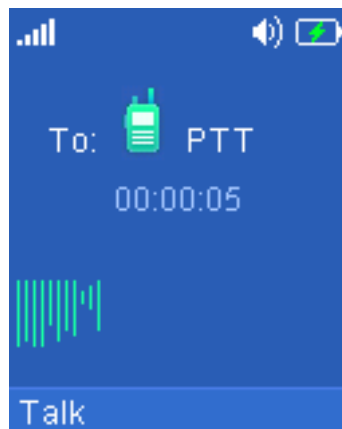
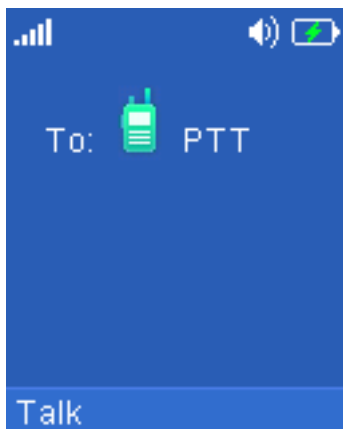
To use the PTT feature, simply press and hold the configured softkey (LSK or RSK), after you see the audio wave in green color, you can talk, and other handsets that registered on the same base station who enabled PTT feature will automatically join the PTT and play the voice on speaker.

Note: when initial a PTT call, it could take a little bit longer to establish the call for handshake, once the PTT call been established, any handset can quickly start to talk by holding the softkey.

(Initialazing)

(Talking)

(Idle)



- New P Values**

Pvalue	Alias	Description	Value range	Default
P27778	Pbase.ptt.silence_timer	<New Pvalue>	0 ~ 60	2

		DECT PTT Silence Timer. Sets timeout for PTT call (in minutes) if no handset unmutes. If set to 0, this timer will be disabled.		
--	--	--	--	--


## REMOTE OPENDOOR FOR GDS3710/GDS3705

- Web Configuration**

The settings can be found at Web UI -> Settings -> Network Settings -> External Service. DP series phones works the same way as GXP phones. For more detail, please refer document:

[http://www.grandstream.com/sites/default/files/Resources/Connecting\\_GDS3710\\_with\\_GXP\\_phones.pdf](http://www.grandstream.com/sites/default/files/Resources/Connecting_GDS3710_with_GXP_phones.pdf)

Grandstream DP750
Admin Logout | Reboot | English ▾


STATUS   PROFILES   DECT   SETTINGS   MAINTENANCE   PHONEBOOK

🔄 (P) 📶
Version 1.0.7.5

Settings  
 Network Settings ▾  
 Basic Settings  
 Advanced Settings  
 OpenVPN® Settings  
 External Service  
 Ring Tones  
 System Features

### Grandstream Door System

Order	Service Type	Account	System Identification	System Number	Access Password
1	GDS ▾	Account 1 ▾	Front Door	3501	.....
2	None ▾	Account 1 ▾			
3	None ▾	Account 1 ▾			
4	None ▾	Account 1 ▾			
5	None ▾	Account 1 ▾			
6	None ▾	Account 1 ▾			
7	None ▾	Account 1 ▾			
8	None ▾	Account 1 ▾			
9	None ▾	Account 1 ▾			
10	None ▾	Account 1 ▾			

Save
Save and Apply
Reset

Grandstream Networks Support
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- Functionality**

After feature been configured, when GDS37xx doorbell been pressed, DP will receive an incoming call and play the doorbell ring. User will able to press the “Open” button to remote open the door.

- New P Values**

Pvalue	Alias	Description	Value range	Default
--------	-------	-------------	-------------	---------

P32000	Pexternal_service.type.1	<New Pvalue> Service Type. to choose which	-1 – None	-1 - None
P32005	Pexternal_service.type.2		0 – GDS	
P32010	Pexternal_service.type.3			
P32015	Pexternal_service.type.4			
P32020	Pexternal_service.type.5			
P32025	Pexternal_service.type.6			
P32030	Pexternal_service.type.7			
P32035	Pexternal_service.type.8			
P32040	Pexternal_service.type.9			
P32045	Pexternal_service.type.10			
P32001	Pexternal_service.account.index.1	<New Pvalue> Account. to specific which account to associate with the service	0 – Account 1	0 –
P32006	Pexternal_service.account.index.2		1 – Account 2	Account1
P32011	Pexternal_service.account.index.3		2 – Account 3	
P32016	Pexternal_service.account.index.4		3 – Account 4	
P32021	Pexternal_service.account.index.5		4 – Account 5	
P32026	Pexternal_service.account.index.6		5 – Account 6	
P32031	Pexternal_service.account.index.7		6 – Account 7	
P32036	Pexternal_service.account.index.8		7 – Account 8	
P32041	Pexternal_service.account.index.9		8 – Account 9	
P32046	Pexternal_service.account.index.10		9 – Account 10	
P32002	Pexternal_service.system.id.1	<New Pvalue> System Identification. to configure a unique identity to differentiate each service.	Strings	NULL
P32007	Pexternal_service.system.id.2			
P32012	Pexternal_service.system.id.3			
P32017	Pexternal_service.system.id.4			
P32022	Pexternal_service.system.id.5			
P32027	Pexternal_service.system.id.6			
P32032	Pexternal_service.system.id.7			
P32037	Pexternal_service.system.id.8			
P32042	Pexternal_service.system.id.9			
P32047	Pexternal_service.system.id.10			
P32003	Pexternal_service.system.number.1	<New Pvalue> System Number. For GDS service, this is used to configure the GDS SIP account or IP address (IP Call)	Strings	NULL
P32008	Pexternal_service.system.number.2			
P32013	Pexternal_service.system.number.3			
P32018	Pexternal_service.system.number.4			
P32023	Pexternal_service.system.number.5			
P32028	Pexternal_service.system.number.6			
P32033	Pexternal_service.system.number.7			
P32038	Pexternal_service.system.number.8			
P32043	Pexternal_service.system.number.9			
P32048	Pexternal_service.system.number.10			

P32004	Pexternal_service.password.1	<New Pvalue>	Strings	NULL
P32009	Pexternal_service.password.2	Access Password.		
P32014	Pexternal_service.password.3	For GDS service,		
P32019	Pexternal_service.password.4	this is to configure		
P32024	Pexternal_service.password.5	the GDS remote		
P32029	Pexternal_service.password.6	access code which		
P32034	Pexternal_service.password.7	used to open the		
P32039	Pexternal_service.password.8	door.		
P32044	Pexternal_service.password.9			
P32049	Pexternal_service.password.10			

## MUSIC ON HOLD URI

- Web Configuration**

The settings can be found at Web UI -> Profiles -> Profile {1-4} -> Call Settings

Anonymous Call Rejection  No  Yes

Special Feature

**Music On Hold URI**

- Functionality**

Configure the music on hold URI to call when a call is on hold if server support it.

- New P Values**

Pvalue	Alias	Description	Value range	Default
P2350	Pprofile.1.sip.moh_uri	<New Pvalue>	Strings	NULL
P2450	Pprofile.2.sip.moh_uri	Music on Hold URI		
P2550	Pprofile.3.sip.moh_uri			
P2650	Pprofile.4.sip.moh_uri			

## USE RANDOM SIP PORT

- Web Configuration**

The settings can be found at Web UI -> Profiles -> Profile {1-4} -> SIP Settings -> Basic Settings -> Use Random SIP Port.

Reregister Before Expiration   
 Local SIP Port   
**Use Random SIP Port**  No  Yes  
 Local RTP Port   
 Use Random RTP Port  No  Yes

- **Functionality**

Configure to use random SIP port or not, if configured, the Local SIP Port setting will be ignored.

- **New P Values**

Pvalue	Alias	Description	Value range	Default
P20501	Pprofile.1.network.use_random_sip_port	<New Pvalue>	0 – No	0 - No
P20502	Pprofile.2.network.use_random_sip_port	Use a random port for SIP messages rather than the Local SIP Port.	1 – Yes	
P20503	Pprofile.3.network.use_random_sip_port			
P20504	Pprofile.4.network.use_random_sip_port			

## NEW FORMAT OF PVALUES

- **Web Configuration**

The downloaded config file now will display the P value in new format, that has more meaningful name.

**Upload Device Configuration**

Upload Device Config

**Download Device Configuration**

Device Config (Text)	<input type="button" value="Download"/>
Device Config (XML)	<input type="button" value="Download"/>

**Backup Configuration**

Backup Configuration

Backup Configuration

- **Functionality**

Below is an example of how new P values looks like, please note that the old numeric P values will still be working, for example, in a single config file, the user can choose to use P values in the format of P9 or

Pnetworks.static.address.ip.octet.1, or mixed format for different settings, the device will takes all of them. We are still improving the downloaded config file by adding the help text and re-ordering the settings to match the web.

```

7 <!--## Configuration Template ##-->
8 <!--#####-->
9 <!--#####-->
10 <!--# P values ##-->
11 <!--#####-->
12 <!--# Name: 8-->
13 <!--# Alias: network.type,NETWORK_TYPE # Help: IP Address Mode. 0 - DHCP, 1 - Static IP, 2 - PPPoE.-->
14 <!--# Attributes: Category=NUMBER Mandatory=1 Base=10 Range=[0-2] -->
15 <!--# Default Value: 0-->
16 <Pnetwork.type>0</Pnetwork.type>
17
18
19 <!--# Name: 9-->
20 <!--# Alias: network.static.address.ip.octet.1,NETWORK_STATIC_ADDRESS_OCTET1 # Help: IP Address octet 1. Ignore if DHCP or PPPoE is
used.-->
21 <!--# Attributes: Category=NUMBER Mandatory=1 Base=10 Range=[0-255] -->
22 <!--# Default Value: 192-->
23 <Pnetwork.static.address.ip.octet.1>50</Pnetwork.static.address.ip.octet.1>
24
25
26 <!--# Name: 10-->
27 <!--# Alias: network.static.address.ip.octet.2,NETWORK_STATIC_ADDRESS_OCTET2 # Help: IP Address octet 2. Ignore if DHCP or PPPoE is
used.-->
28 <!--# Attributes: Category=NUMBER Mandatory=1 Base=10 Range=[0-255] -->
29 <!--# Default Value: 168-->
30 <Pnetwork.static.address.ip.octet.2>84</Pnetwork.static.address.ip.octet.2>
31
32
33 <!--# Name: 11-->
34 <!--# Alias: network.static.address.ip.octet.3,NETWORK_STATIC_ADDRESS_OCTET3 # Help: IP Address octet 3. Ignore if DHCP or PPPoE is
used.-->
35 <!--# Attributes: Category=NUMBER Mandatory=1 Base=10 Range=[0-255] -->
36 <!--# Default Value: 0-->
37 <Pnetwork.static.address.ip.octet.3>167</Pnetwork.static.address.ip.octet.3>
38
39

```

## FIRMWARE VERSION 1.0.4.10

### PRODUCT NAME

DP750 / DP720 / DP760

### DATE

10/30/2018

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: b6945458f447ea859a85196b1731728a

### IMPORTANT UPGRADING NOTES

- **For DP750/DP720/DP760, once upgraded to 1.0.4.2 or above, downgrading to 1.0.3.40 or previous firmware version is not supported.**
- **For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.4.7 directly, no transitional firmware is needed.**

### ENHANCEMENT

- Added option to add MAC address to User Agent for each profile. [OPTION FOR ADDING MAC ADDRESS TO USER AGENT]

### BUG FIX

- Fixed DP750 phonebook XML file downloading will fail when the server is using TLS v1.2.
- Fixed DP750 distinctive ringtones do not work with alert-info header.
- Fixed DP720 does not display the contact name on the call history if the number starts with "+".

### NEW FEATURES OVERVIEW

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

### OPTION FOR ADDING MAC ADDRESS TO USER AGENT

- **Web Configuration**

The settings can be found at Web UI -> Profiles -> Profile {1-4} -> SIP Settings -> Basic Settings -> Use MAC Header.



Ignore Alert-Info header  No  Yes

Use MAC Header  No  Yes except REGISTER  Yes to all SIP

Save Save and Apply Reset

- Functionality**

By default, the settings is “No”, if set to “Yes except REGISTER”, the sip message for register or unregister will contains MAC address in the header, and all the outgoing SIP messages except REGISTER message will attach the MAC address to the User-Agent header; If Yes to ALL, the sip message for register or unregister will contains MAC address in the header, and all the outgoing SIP message including REGISTER will attach the MAC address to the User-Agent header; If No, neither will the MAC header be included in the register or unregister message nor the MAC address be attached to the User-Agent header for any outgoing SIP message.

```

> Frame 434: 1178 bytes on wire (9424 bits), 1178 bytes captured (9424 bits) on interface 0
> Ethernet II, Src: Grandstr_87:08:a5 (00:0b:82:87:08:a5), Dst: Cisco_7c:36:33 (00:26:0b:7c:36:33)
> Internet Protocol Version 4, Src: 192.168.88.17, Dst: 192.168.41.55
> User Datagram Protocol, Src Port: 5060, Dst Port: 5060
< Session Initiation Protocol (INVITE)
  > Request-Line: INVITE sip:013@192.168.41.55 SIP/2.0
  < Message Header
    > Via: SIP/2.0/UDP 192.168.88.17:5060;branch=z9hG4bK1175063032;rport
    > From: "Remote 012" <sip:012@192.168.41.55>;tag=1063131456
    > To: <sip:013@192.168.41.55>
    Call-ID: 1182217752-5060-4@BJC.BGI.II.BH
    > CSeq: 10 INVITE
    > Contact: "Remote 012" <sip:012@192.168.88.17:5060>
    Max-Forwards: 70
    User-Agent: Grandstream DP750 1.0.4.10 000b828708a5
    Privacy: none
    > P-Preferred-Identity: "Remote 012" <sip:012@192.168.41.55>
    Supported: replaces, path, timer, eventlist
    Allow: INVITE, ACK, OPTIONS, CANCEL, BYE, SUBSCRIBE, NOTIFY, INFO, REFER, UPDATE
    Content-Type: application/sdp
    Accept: application/sdp, application/dtmf-relay
    Content-Length: 453
  > Message Body
  
```

- New P Values**

Pvalue	Description	Value range	Default
P26061	<New Pvalue>	0 – No	0 - No
P26161	Configure if use MAC address in the	1 – Yes except REGISTER	
P26261	User Agent	2 – Yes to all SIP	
P26361			

## FIRMWARE VERSION 1.0.4.7

### PRODUCT NAME

DP750 / DP720 / DP760

### DATE

10/12/2018

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: 833d7b7b226234f02892b00920165a67

### IMPORTANT UPGRADING NOTES

- **For DP750/DP720/DP760, once upgraded to 1.0.4.2 or above, downgrading to 1.0.3.40 or previous firmware version is not supported.**
- **For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.4.7 directly, no transitional firmware is needed.**

### ENHANCEMENT

- Added the ability to display Account Name only. [DISPLAY ACCOUNT NAME ONLY]
- Added support to provision config file by model. [PROVISION CONFIG FILE BY MODEL]
- Added support TLS protocol for Syslog. [TLS PROTOCOL FOR SYSLOG]
- Added SRTP icon on handset UI. [SRTP ICON ON HANDSET UI]
- Updated German translations for both DP750 Web UI and DP720 handset UI

### BUG FIX

- Fixed DP750 CTI feature related issue that handset would not return to idle after it received api-send\_key request.
- Fixed DP750 CIT feature related issue that phone number sometimes get partially missing upon api-make\_call request.
- Fixed DP750 issue that under 802.1x network environment if unplug network cable and re-plug it, the following calls has no audio.
- Fixed DP750 issue that if answer a call that nearly timeout, the call has no audio.
- Fixed DP750 sometimes keep sending REGISER and cannot make calls.
- Fixed DP750 TLS registration not working properly sometimes.
- Fixed DP750 still sending codec PCMU after transferred even when the codec G729 is the only configured codec.

- Fixed DP750 “Crypto Life Time” does not reload after it enabled or disabled.
- Fixed DP750 “Handset Config File Prefix” cannot be set to empty, it always switch to default value when set to empty.
- Fixed DP750 issue that after changing SIP protocol from UDP to TCP or from TCP to UDP without reboot, the following calls might introduce big noise.
- Fixed DP750 OpenVPN set option “comp-lzo no” to disable the LZO-compression does not working.
- Fixed DP720 issue that it may fail to exit ringing interface until manually return to idle, and the DP750 responses “486 busy” for any incoming call when staying in ringing.
- Fixed DP720 right Softkey does not show “delete” when editing last name/Home/Work/Mobile in contacts edit mode.
- Fixed DP760 Repeater network LED does not on when use PPPoE network mode.

## NEW FEATURES OVERVIEW

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

### DISPLAY ACCOUNT NAME ONLY

- **Functionality**

On DP720 browse to Settings -> User Settings -> SIP Account Display, it can be set to “Name & ID”, “Name Only”, “ID only” or “None”

DP720 will display both Account Name and SIP User ID and, Account Name Only, SIP User ID or none accordingly.

### PROVISION CONFIG FILE BY MODEL

- **Web Configuration**

There is no need to configure anything on the web UI, by default this feature is always enabled.

- **Functionality**

When DP750 conduct provisioning, the device will request cfg{MAC}.xml and cfg.xml file, after added this enhancement, DP750 will also request cfgdp750.xml to allow provisioning devices by a model specified xml file.

### TLS PROTOCOL FOR SYSLOG

- **Web Configuration**

On DP750 Web -> Maintenance -> Syslog, added an option to set “Syslog Protocol” to “SSL/TLS” other than default “UDP”.

**Maintenance**

- Firmware Upgrade
- Provisioning
- Web/SSH Access
- TR-069
- Security Settings +
- Date and Time
- Syslog**
- Packet Capture
- Factory Reset
- Support +

## Syslog

Syslog Protocol SSL/TLS ▾

Syslog Server

Syslog Level DEBUG ▾

Syslog Keyword Filtering

Print SIP in Syslog  No  Yes

Save
Save and Apply
Reset

- **Functionality**

After configured, all the Syslog will be send under SSL/TLS protocol.

- **New P Values**

Pvalue	Description	Value range	Default
P8402	<New Pvalue> Allow sending syslog throught secured TLS protocol to syslog server  Note: CA verification is required	0 – UDP 1 – SSL/TLS	0 – UDP

## SRTP ICON ON HANDSET UI

- **Web Configuration**

There is no need to configure anything on the web UI, by default this feature is always enabled.

- **Functionality**

When using SRTP for call, there will be an icon on handset UI to indicate that.

## FIRMWARE VERSION 1.0.4.2

### PRODUCT NAME

DP750 / DP720 / DP760

### DATE

07/19/2018

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: e46cd212301a5ebbd30231765e2da6b4

### IMPORTANT UPGRADING NOTES

- **For DP750/DP720/DP760, once upgraded to 1.0.4.2 or above, downgrading to 1.0.3.40 or previous firmware version is not supported.**
- **For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.4.2 directly, no transitional firmware is needed.**

### ENHANCEMENT

- Added support for CTI (Computer-Telephony Integration) feature as the same as GXP phones. [CTI FEATURE]
- Improve the support to customize the Syslog port. [CUSTOMIZE THE SYSLOG PORT]
- Added support for DP720 to use Audio Loopback test when it is not registered
- Play keypad tone during the call if it is enabled

### BUG FIX

- Fixed DP750 User Agent header uses wrong MAC format when downloading phonebook.xml
- Fixed P6007 doesn't return configure value in SSH
- Fixed DP750 cannot access web and cannot upgrade/download when using OpenVPN
- Fixed the default values for Verify host when using HTTPS that under Provision and Upgrade/Downgrade are different, set both value to enabled
- Fixed DP750 always registers to Failover SIP Sever First if configured, and fails to register to the second IP of SRV Records of Primary SIP server
- Fixed DP750 web display a crash warning while there isn't a core dump
- Fixed DP750 circular mode sometimes two sides have no sound when the second incoming call timeout

- Fixed DP750 under repeater mode, when two handsets set up 2 concurrent calls on the same repeater DP760, a third handset can still switch to this repeater
- Fixed DP720 customized ringtone file will be corrupt when rebooting during downloading
- Fixed DP720 does not play confirmation tone when saving language settings
- Fixed DP720 does not play the ringtone when change the volume after received a missed call.
- Fixed DP720 mute key misfunction if mute by long pressing 3 second and unmute by a quick pressing, the handset LCD shows unmuted, but the handset still stay in mute mode.
- Fixed DP720 system ring become abnormal after playing ringtone on handset and configuring tone on DP750 Web at the same time
- Fixed DP720 does not play keypad tone if unsubscribed and re-subscribed and press off-hook or speaker key first
- Fixed DP720 answer incoming call during searching base will lead the call become abnormal
- Fixed DP720 show "Error" and back to idle automatically after access and exit to menu quickly
- Fixed DP720 cannot switch to the last call record when pressing up key on the first record

## NEW FEATURES OVERVIEW

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

### CTI FEATURE

- **Web Configuration**

There is no need to configure anything on the web UI, by default this feature is always enabled.

- **Functionality**

Here is the full user manual for CTI feature of GXP phones:

[http://www.grandstream.com/sites/default/files/Resources/CTI\\_Guide.pdf](http://www.grandstream.com/sites/default/files/Resources/CTI_Guide.pdf)

For DP750/DP720/DP760, all the usage is the same except:

1. GXP is single phone, while DP750 could register 5 handsets, therefore, for some URL, it will need specific which handset it is.
2. DP720 does not support as many keys as GXP phones. Here are all the keys that DP720 support: 0-9, HASH, \*, LEFT\_SOFT\_KEY, RIGHT\_SOFT\_KEY, MUTE, SPEAKER, STAR, ONHOOK, OFFHOOK, OK, LOCK, UNLOCK, UP, DOWN, LEFT, RIGHT.

Command and Example:

- `api-get_account_status`

Accepted arguments: account

Example: [http://192.168.5.135/cgi-bin/api-get\\_account\\_status?passcode=admin&account=2](http://192.168.5.135/cgi-bin/api-get_account_status?passcode=admin&account=2)

- `api-get_hs_status`

Accepted arguments: hs

Example: [http://192.168.5.135/cgi-bin/api-get\\_hs\\_status?passcode=admin&hs=1](http://192.168.5.135/cgi-bin/api-get_hs_status?passcode=admin&hs=1)

- api-get\_hs\_line\_status

Accepted arguments: hs

Example: [http://192.168.5.135/cgi-bin/api-get\\_hs\\_line\\_status?passcode=admin&hs=1](http://192.168.5.135/cgi-bin/api-get_hs_line_status?passcode=admin&hs=1)

- api-make\_call

Accepted arguments: hs, phonenumber

Example: [http://192.168.5.135/cgi-bin/api-make\\_call?passcode=admin&hs=1&phonenumber=3501](http://192.168.5.135/cgi-bin/api-make_call?passcode=admin&hs=1&phonenumber=3501)

- api-device\_operation

Accepted arguments: hs, line, cmd( cmd can be endcall, holdcall, unholdcall, acceptcall, rejectcall, cancel, speaker, mute, setdnd, unsetdnd )

Example:

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&line=1&cmd=endcall](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&line=1&cmd=endcall)

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&line=1&cmd=holdcall](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&line=1&cmd=holdcall)

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&line=1&cmd=unholdcall](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&line=1&cmd=unholdcall)

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&line=1&cmd=acceptcall](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&line=1&cmd=acceptcall)

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&line=1&cmd=rejectcall](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&line=1&cmd=rejectcall)

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&line=1&cmd=cancel](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&line=1&cmd=cancel)

For mute, speaker and setdnd, unsetdnd command, there is no "line=x" argument.

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&cmd=mute](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&cmd=mute)

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&cmd=speaker](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&cmd=speaker)

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&cmd=setdnd](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&cmd=setdnd)

[http://192.168.5.135/cgi-bin/api-device\\_operation?passcode=admin&hs=1&cmd=unsetdnd](http://192.168.5.135/cgi-bin/api-device_operation?passcode=admin&hs=1&cmd=unsetdnd)

- api-send\_key

Accepted arguments : hs, keys( keys are in format <key1>:<key2>:<key3>:....., keys can be 0-9, HASH, \*, LEFT\_SOFT\_KEY, RIGHT\_SOFT\_KEY, MUTE, SPEAKER, STAR, ONHOOK, OFFHOOK, OK, LOCK, UNLOCK, UP, DOWN, LEFT, RIGHT )

Example: [http://192.168.5.135/cgi-bin/api-send\\_key?passcode=admin&hs=1&keys=3:3:0:9:HASH](http://192.168.5.135/cgi-bin/api-send_key?passcode=admin&hs=1&keys=3:3:0:9:HASH)

Please be aware that # key need be sent as HASH on DP750/DP720.

All the response from HTTP request, please check the GXP CTI user manual.

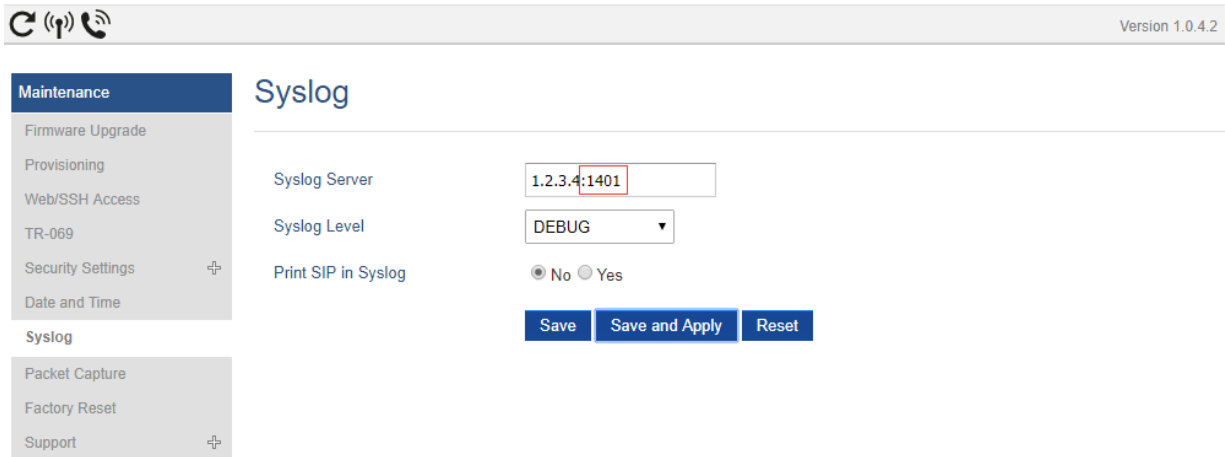
## CUSTOMIZE THE SYSLOG PORT

- **Web Configuration**

To customize the Syslog port, login DP750 Web, and just add the port after the Syslog Server address.

Previous we added a separated option and P value to configure the Syslog port, which is not consistent with other product and since we already support port after Server address like the SIP server and other similar setting, we decide to remove the delicate settings for Syslog port, but just use it long with the Syslog Server address.

Now you can still configure this value by using the P207 which is for Syslog Server address.



The screenshot shows the Grandstream web interface for configuring Syslog. At the top right, it says "Version 1.0.4.2". On the left is a navigation menu with categories: Maintenance (highlighted), Provisioning, Web/SSH Access, TR-069, Security Settings, Date and Time, Syslog (highlighted), Packet Capture, Factory Reset, and Support. The main content area is titled "Syslog" and contains three settings: "Syslog Server" with a text input field containing "1.2.3.4:1401" (the port "1401" is highlighted with a red box), "Syslog Level" with a dropdown menu set to "DEBUG", and "Print SIP in Syslog" with radio buttons for "No" (selected) and "Yes". At the bottom of the settings are three buttons: "Save", "Save and Apply", and "Reset".



## FIRMWARE VERSION 1.0.3.40

### PRODUCT NAME

DP750 / DP720 / DP760

### DATE

05/22/2018

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: a719a1bb6c9b385e2414e7591406486a

### IMPORTANT UPGRADING NOTES

- **Upgrading handsets from web UI is disabled while in repeater mode. Please move the handset in range of DP750 base station and start upgrading from handset.**
- **For DP750/DP720, once upgraded to 1.0.3.23 or above, downgrading to 1.0.3.17 firmware version or lower is not supported.**
- **For DP750/DP720, once upgraded to 1.0.3.17 or above, downgrading to 1.0.2.16 firmware version or lower is not supported.**
- **For DP750/DP720, once upgraded to 1.0.2.16 or above, downgrading to 1.0.1.x firmware version or lower is not supported.**
- **For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.3.23 directly, no transitional firmware needed.**

### ENHANCEMENT

- Added support to allow configure prefix for User-Agent in SIP header. [USER-AGENT PREFIX]
- Increased the length of Authenticate ID, SIP User ID, Password from 32 to 128.
- Added support for “.#”, “.T” and “T” and alphanumeric characters in the Dial Plan.
- Added support for SIP OPTIONS Keep Alive. [USE SIP OPTIONS TO KEEP ALIVE]
- Added support for automatic upgrade and provisioning be triggered at a random time in every certain days. [RANDOM UPGRADE AND PROVISION]
- Removed force core generation from web
- Added OpenVPN feature as the same as GXP phones. [OPENVPN]
- Added the option to set Date and Time Display Format via the web GUI and Provisioning. [CONFIGURE DATE AND TIME DISPLAY]
- Increased the number of digits that can be dialed on the handset

## BUG FIX

- Fixed sometime DP750 failed register accounts sometimes when using SIP/TLS
- Fixed DP750 does not save certain allowed inputs in the Dial Plan
- Fixed DUT crashed after downloaded some files via TR069
- Fixed the SIP Authentication password is visible from the handset
- Fixed When handset line1 set to none, handset off hook didn't have default outgoing line configured
- Fixed Pvalue template that downloaded from device Web UI have some Pvalues missing.

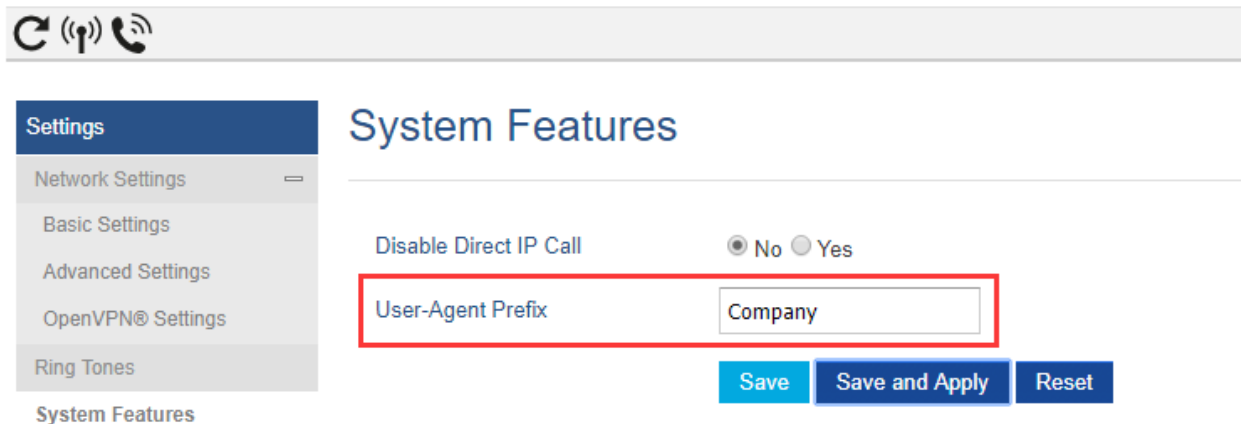
## NEW FEATURES OVERVIEW

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

### USER-AGENT PREFIX

- **Web Configuration**

Add support to allow configure customized User-Agent Prefix. The configuration is under Web UI -> Settings -> System Features -> User-Agent Prefix.



- **Functionality**

```

v Session Initiation Protocol (REGISTER)
  > Request-Line: REGISTER sip:192.168.254.5 SIP/2.0
  v Message Header
    > Via: SIP/2.0/UDP 192.168.219.10:5064;branch=z9hG4bK642335446;rport
    > From: "3503" <sip:3503@192.168.254.5>;tag=742784024
    > To: <sip:3503@192.168.254.5>
    Call-ID: 295784746-5064-1@BJC.BGI.CBJ.BA
    > CSeq: 2000 REGISTER
    > Contact: <sip:3503@192.168.219.10:5064>;reg-id=3;+sip.instance="urn:uuid:00000000-0000-1000-8000-000B828A4768"
    Max-Forwards: 70
    User-Agent: Company Grandstream DP750 1.0.3.40
    Supported: path
    Expires: 3600
    Allow: INVITE, ACK, OPTIONS, CANCEL, BYE, SUBSCRIBE, NOTIFY, INFO, REFER, UPDATE
    Content-Length: 0
  
```

- **New P Values**

Pvalue	Description	Value range	Default
P8358	<New Pvalue> Configure the prefix in the User-Agent header.	String	null

## USE SIP OPTIONS TO KEEP ALIVE

- **Web Configuration**

Add option to use SIP OPTIONS to Keep Alive. It's under Web UI -> Profiles X -> SIP Settings -> Basic Settings.

⌂ (P) 📶

Version 1.0.3.40

Profiles

- Profile 1 -
- General Settings
- Network Settings
- SIP Settings -
- Basic Settings
- Session Timer
- Security Settings
- Audio Settings
- Call Settings
- Profile 2 +
- Profile 3 +
- Profile 4 +

### Basic Settings

---

SIP Transport  UDP  TCP  TLS/TCP

SIP Registration  No  Yes

Unregister on Reboot  No  Yes

Add Auth Header On Initial REGISTER  No  Yes

Outgoing Calls Without Registration  No  Yes

Register Expiration

SIP Registration Failure Retry Wait Time

SIP Registration Failure Retry Wait Time upon 403 Forbidden

Reregister Before Expiration

Local SIP Port

Use Random SIP Port  No  Yes

Local RTP Port

SIP T1 Timeout

SIP T2 Timeout

SIP TIMER D

Enable OPTIONS Keep Alive  No  Yes

OPTIONS Keep Alive Interval

OPTIONS Keep Alive Max Lost

Remove OBP from Route  No  Yes

Support SIP Instance ID  No  Yes

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- New P Values**

Pvalue	Description	Value range	Default
P2397 (Profile 1) P2497 (Profile 2) P2597 (Profile 3) P2697 (Profile 4)	<New Pvalue> Enable OPTIONS Keep Alive, to check SIP server	0 – No 1 – Yes	0 – No
P2398 (Profile 1) P2498 (Profile 2) P2598 (Profile 3) P2698 (Profile 4)	<New Pvalue> OPTIONS Keep Alive Interval: Time interval for OPTIONS Keep Alive feature in seconds	1 – 64800	30
P2399 (Profile 1) P2499 (Profile 2) P2599 (Profile 3) P2699 (Profile 4)	<New Pvalue> OPTIONS Keep Alive Max Lost: Maximum number of lost packets for OPTIONS Keep Alive feature before the phone re-registration	3 – 10	3

## RANDOM UPGRADE AND PROVISION

- Web Configuration**

The Setting is under Web UI -> Maintenance -> Firmware Upgrade / Provisioning:

Verify host when using HTTPS  No  Yes

Upgrade via  TFTP  HTTP  HTTPS

Firmware Server Path

Firmware File Prefix

Firmware File Postfix

Allow DHCP Option 43 and Option 66 to Override Server  No  Yes

Automatic Upgrade  Yes, check for upgrade at random every 1 day(s)

Yes, check for upgrade every 60 minute(s)

Yes, check for upgrade every day

Yes, check for upgrade every week

Random Interval Start Time  :

Random Interval Stop Time  :

Hour of the Day(0-23)

Day of the Week (0-6)

Firmware Key

---

### Handset Firmware

Handset firmware

Automatic Upgrade  No  Yes

- **Functionality**

This feature is used to set DP750 or DP760 automatic upgrade or provisioning at a random time in a certain period. You can set the device randomly automatic upgrade in X days and run upgrade / provisioning between the start time and stop time. Reboot the device will not lose the pending upgrade / provisioning.

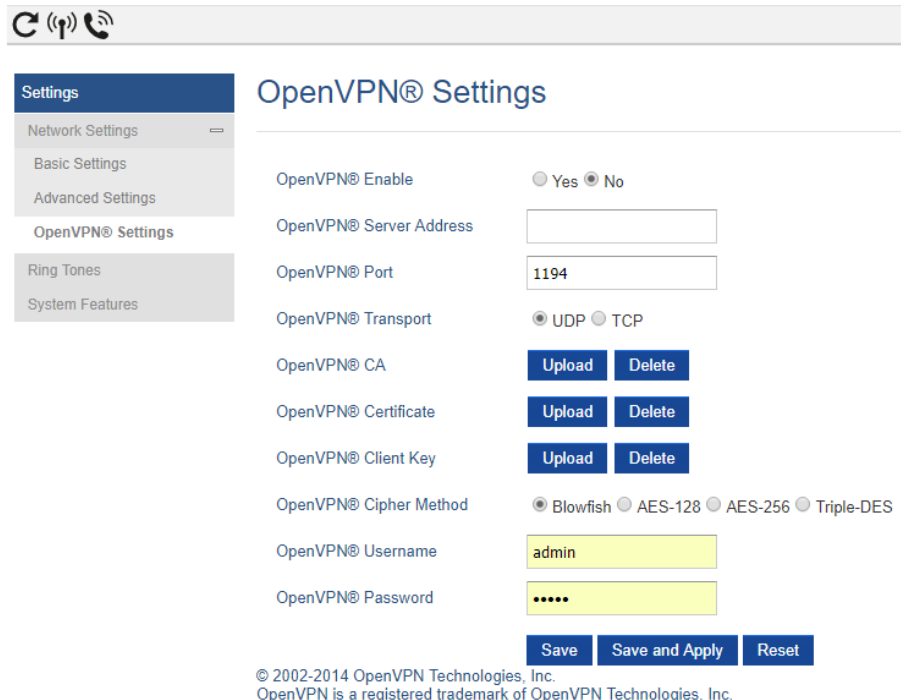
- **New P Values**

Pvalue	Description	Value range	Default
P27816 (Upgrade) P27811 (Provisioning)	<New Pvalue> check for upgrade at random every X day(s).	1 – 3650	1
P27817 P27818 P27819 P27820	<New Pvalue> Random upgrade start hour and start minutes, stop hour and stop minutes.	0 – 23 0 – 59 0 – 23 0 – 59	1 1 1 1
P27812 P27813 P27814 P27815	<New Pvalue> Random provisioning start hour and start minutes, stop hour and stop minutes.	0 – 23 0 – 59 0 – 23 0 – 59	1 1 1 1

## OPENVPN

- **Web Configuration**

The Setting is under Web UI -> Settings -> Network Settings -> OpenVPN Settings. After configured OpenVPN, you can also choose to use VPN as NAT Traversal at Profile X -> Network Settings -> NAT Traversal.



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**Profiles**

Profile 1 -

General Settings

**Network Settings**

SIP Settings +

Audio Settings

Call Settings

Profile 2 +

Profile 3 +

Profile 4 +

## Network Settings

---

### Layer 3 QoS Settings

SIP Diff-Serv

RTP Diff-Serv

### DNS Settings

DNS Mode

Primary IP

Backup IP 1

Backup IP 2

### NAT Settings

NAT Traversal 

No  
 STUN  
 Keep-Alive  
VPN

Use NAT IP

Proxy-Require

• **New P Values**

Pvalue	Description	Value range	Default
P7050	<New Pvalue> Enable or disable OpenVPN®	0 – No 1 – Yes	0
P7051	<New Pvalue> OpenVPN® Server Address	String	Null
P7052	<New Pvalue> OpenVPN® Port	1 – 65535	1194
P2912	OpenVPN® Transport Determines network protocol used for OpenVPN®	0 – UDP 1 – TCP	0 – UDP
P8394	<New Pvalue> OpenVPN® username	String	Null
P8395	<New Pvalue> OpenVPN® password	String	Null
P8396	<New Pvalue> OpenVPN® cipher Method	0 – Blowfish 1 – AES-128 2 – AES-256 3 – Triple-DES	0

## CONFIGURE DATE AND TIME DISPLAY

- Web Configuration**

The Setting is under Web UI -> DECT -> Handset Settings -> HS X Settings, to configure the display format of Time and Date.

DECT

General Settings

SIP Account Settings

Handset Line Settings

Handset Settings -

**HS1 Settings**

  HS2 Settings

  HS3 Settings

  HS4 Settings

  HS5 Settings

### HS1 Settings

---

Disable Private Phonebook  No  Yes

Enable Auto Answer  No  Yes

Enable Offhook on Cradle Pickup  No  Yes

Enable Onhook on Cradle Reposition  No  Yes

Disable Conference  No  Yes

Disable Transfer  No  Yes

Disable Busy Tone on Remote Disconnect  No  Yes

Disable Call Waiting Tone  No  Yes

Custom Ringtone

Time Format

Date Format

- New P Values**

Pvalue	Description	Value range	Default
P30080 (HS 1)	<New Pvalue>	0 – 12hr	0 – 12hr
P30081 (HS 2)	Set the displayed Time Format on handsets.	1 – 24hr	
P30082 (HS 3)			
P30083 (HS 4)			
P30084 (HS 5)			
P30060 (HS 1)			
P30061 (HS 2)	Set the displayed Date Format on handsets.	1 – MM-DD-YYYY	
P30062 (HS 3)			
P30063 (HS 4)			
P30064 (HS 5)			

## FIRMWARE VERSION 1.0.3.37

### PRODUCT NAME

DP750 / DP720 / DP760

### DATE

03/16/2018

### FIRMWARE FILE INFORMATION

- Firmware file name: dp75xfw.bin

MD5: 7f2e584240b0d230079fd92b6355799a

### IMPORTANT UPGRADING NOTES

- **Upgrading handsets from web UI is disabled while in repeater mode. Please move the handset in range of DP750 base station and start upgrading from handset.**
- **For DP750/DP720, once upgraded to 1.0.3.23 or above, downgrading to 1.0.3.17 firmware version or lower is not supported.**
- **For DP750/DP720, once upgraded to 1.0.3.17 or above, downgrading to 1.0.2.16 firmware version or lower is not supported.**
- **For DP750/DP720, once upgraded to 1.0.2.16 or above, downgrading to 1.0.1.x firmware version or lower is not supported.**
- **For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.3.23 directly, no transitional firmware needed.**

### ENHANCEMENT

- Added support for DP750 to configure device with custom certificate signed by custom CA certificate. [DEVICE CUSTOM CERTIFICATE SETTINGS]
- Added support for DP750 to customize the Syslog port. [CUSTOMIZE THE SYSLOG PORT]
- Reset DP760 repeater region to AUTO when pressing page and reset button more than 2s. [DP760 AUTO REGION]
- Increased all volume levels by +4dB

### BUG FIX

- Issued a new DP750 HTTPS default certificate for it had expired. New issue certificate will be expired in year 2038.
- Fixed DP750 issue that it cannot register the SIP account when using SRV.
- Fixed DP720 issue that after handset selected another base the original base still marked it as online.



- Fixed DP750 issue that it fails lookup LDAP contact names during ringing if the number starts with +.
- Fixed DP720 keep rebooting automatically when battery is low.
- Fixed DP750 crashes and generates core dump randomly when transferring a call.
- Fixed DP720 automatically reboot after loading phonebook that included specific Japanese/Russian character.
- Fixed DP750 issue that handset fails to receive incoming call but response SIP 486 error
- Fixed DP750 cannot send BYE message when using TLS in some specific SIP proxy.
- Fixed DP720 would not play ringtone after pressed speaker to answer a call.

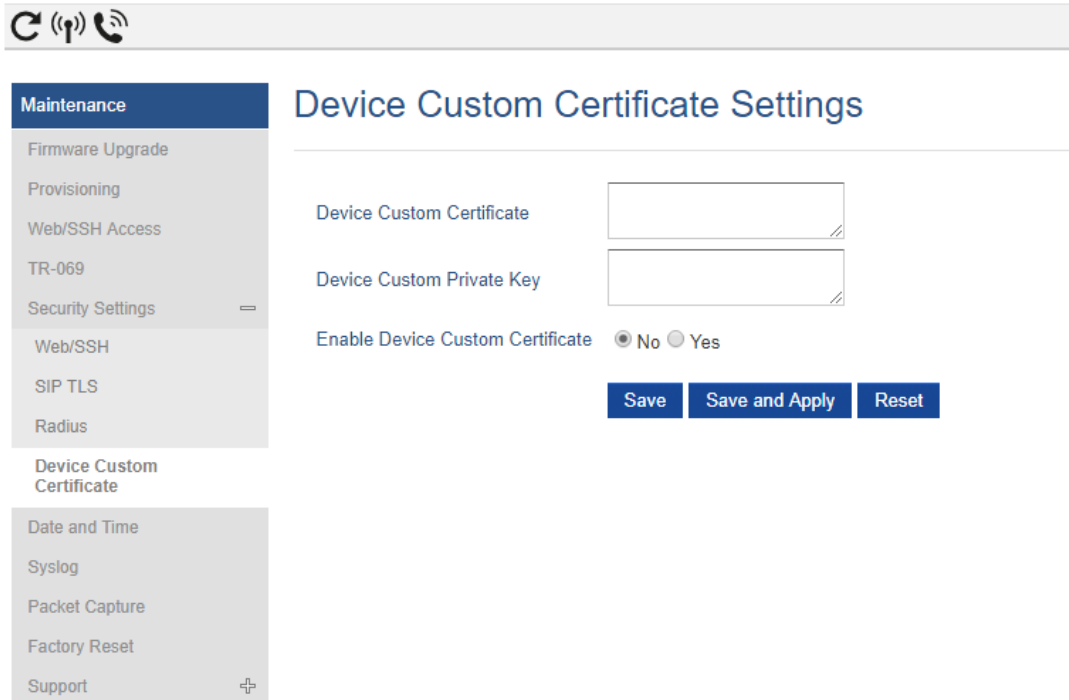
## NEW FEATURES OVERVIEW

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

## DEVICE CUSTOM CERTIFICATE SETTINGS

- **Web Configuration**

Add custom certificate support, now the user can configure their own custom certificate and private key for their own HTTPS server. It's under Web UI -> Maintenance -> Security Settings -> Device Custom Certificate Settings.



The screenshot shows the 'Device Custom Certificate Settings' page in the Grandstream Web UI. On the left is a navigation menu with 'Maintenance' selected, containing options like 'Firmware Upgrade', 'Provisioning', 'Web/SSH Access', 'TR-069', 'Security Settings', 'Web/SSH', 'SIP TLS', 'Radius', 'Device Custom Certificate', 'Date and Time', 'Syslog', 'Packet Capture', 'Factory Reset', and 'Support'. The main content area is titled 'Device Custom Certificate Settings' and contains two text input fields: 'Device Custom Certificate' and 'Device Custom Private Key'. Below these is a radio button group for 'Enable Device Custom Certificate' with 'No' selected. At the bottom are three buttons: 'Save', 'Save and Apply', and 'Reset'.

- **New P Values**

Pvalue	Description	Value range	Default
P27776	<New Pvalue>	String	null

	Device Custom Certificate: Certificate used by device during provisioning and web access		
P27775	<New Pvalue> Device Custom Private Key: Key used by device during provisioning and web access	String	null
P27777	<New Pvalue> Enable Device Custom Certificate: Enable it will use custom certificate else use default certificate	0 – No 1 – Yes	0 – No

## CUSTOMIZE THE SYSLOG PORT

- Web Configuration**

Add option to configure Syslog port. It's under Web UI -> Maintenance -> Syslog.

⏪ (p) ⏩
Version 1.0.3.37

**Maintenance**

- Firmware Upgrade
- Provisioning
- Web/SSH Access
- TR-069
- Security Settings +
- Date and Time
- Syslog**
- Packet Capture
- Factory Reset
- Support +

### Syslog

Syslog Server

Syslog port

Syslog Level

Print SIP in Syslog
 No  Yes

- New P Values**

Pvalue	Description	Value range	Default
P8472	<New Pvalue> Syslog port: Syslog messages will be sent to this port instead of the default syslog port of 514	Integer (1 – 65535)	514

## DP760 AUTO REGION

Now DP760 supports auto region for US/Europe/Brazil mode.

After pressing Page/Reset button for more than 2 seconds, DP760 will enter AUTO region mode, you can use any region DP750 to pair with it, after the DP760 paired with a base station, it will set it's region to the same as the base station (DP750).

Note: 1. If you have a DP760 that has FW before 1.0.3.34, you will need upgrade it to 1.0.3.34 first, then do a factory reset. After that, the unit will support Auto-Region feature.

2. By default, after factory reset, the DP760 will enter Auto Region mode.

## FIRMWARE VERSION 1.0.3.34

### PRODUCT NAME

DP750 and DP720

### DATE

02/05/2018

### IMPORTANT UPGRADING NOTES

- **Upgrading handsets from web UI is disabled while in repeater mode. Please move the handset in range of DP750 base station and start upgrading from handset.**
- **For DP750/DP720, once upgraded to 1.0.3.23 or above, downgrading to 1.0.3.17 firmware version or lower is not supported.**
- **For DP750/DP720, once upgraded to 1.0.3.17 or above, downgrading to 1.0.2.16 firmware version or lower is not supported.**
- **For DP750/DP720, once upgraded to 1.0.2.16 or above, downgrading to 1.0.1.x firmware version or lower is not supported.**
- **For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.3.23 directly, no transitional firmware needed.**

### ENHANCEMENT

- Enhanced the stability when working with DP760 repeater.

## FIRMWARE VERSION 1.0.3.31

### PRODUCT NAME

DP750 and DP720

### DATE

11/28/2017

### IMPORTANT UPGRADING NOTE

- **Upgrade of handsets from web UI is disabled while in repeater mode. Please move the handset in range of DP750 base station and start upgrade from handset.**
- **For DP750/DP720, once upgraded to 1.0.3.23 or above, downgrading to 1.0.3.17 firmware version or lower is not supported.**
- **For DP750/DP720, once upgraded to 1.0.3.17 or above, downgrading to 1.0.2.16 firmware version or lower is not supported.**
- **For DP750/DP720, once upgraded to 1.0.2.16 or above, downgrading to 1.0.1.x firmware version or lower is not supported.**
- **For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.3.23 directly, no transitional firmware needed.**

### ENHANCEMENT

- Added language support for Slovakian, Swedish.
- Hide RPN from web UI.
- Add icon or symbol to indicate if the handset is using repeater or not

### BUG FIX

- Change NTP Server default value to pool.ntp.org.
- Fixed Phonebook contacts with numbers leading with "0" are not resolved in incoming/outgoing calls.
- Fixed the receiver cannot hear the voice if it answered the call from DP720 quickly.
- Fixed DP720 cannot play ring-back tone if it as transferee in blind transfer.
- Fixed DP750 didn't send RTP and there is no audio in the call after the receiver of transfer was ringing timeout.
- Fixed DP720 can still receive incoming call after long pressing mute key to enable DND function.
- Fixed DP750 issue of CPE closes the TCP connection before sending empty HTTP POST request.
- Fixed DP750 crashed after downloaded some files via TR069.
- Fixed DP720 can't search base even that base have opened subscribe
- Fixed DP760 not able to be managed by DP750 via web when using VLAN

- Fixed DP750 still allows more than 3 current calls under repeater mode, that lead more than 5 channels be used and causes device crashes, now DP750/DP720 will only able to make 2 current calls when enabled Repeater Mode.

## FIRMWARE VERSION 1.0.3.23

### PRODUCT NAME

DP750 and DP720

### DATE

03/14/2017

### IMPORTANT UPGRADING NOTE

- For DP750/DP720, once upgraded to 1.0.3.23 or above, downgrading to 1.0.3.17 firmware version or lower is not supported.
- For DP750/DP720, once upgraded to 1.0.3.17 or above, downgrading to 1.0.2.16 firmware version or lower is not supported.
- For DP750/DP720, once upgraded to 1.0.2.16 or above, downgrading to 1.0.1.x firmware version or lower is not supported.
- For DP750/DP720, firmware 1.0.0.99 (The first public released beta firmware) and all above can upgrade to 1.0.3.23 directly, no transitional firmware needed.

### ENHANCEMENT

- Improved maximum concurrent calls from 4 wide-band calls to 5.
- Added Email address to core debug page. [CORE COLLECTION EMAIL]
- Added DP720 factory reset combo key to be able to recover the device during booting up. [DP720 FACTORY RESET DURING BOOTING UP]
- Implemented Handset Provisioning feature. Add warning information to SIP Account Settings and Line Settings Pages if Handset Provisioning enabled. [HANDSET PROVISIONING FEATURE]
- Implemented DP750 Debug Tools that allow generate and submit debug files to Grandstream debug server directly. Add handset notification for base core dump files. [DP750 DEBUG TOOLS]
- Added web UI support to DP750 for repeater management such as display/link/unlink, etc. [REPEATER MANAGEMENT PAGE]
- Removed Tools/alarm menu from DP720 GUI, replaced by Status menu.
- Added keypad tones for non DTMF keys on DP720.
- Added subscribe Softkey in idle screen if HS no subscribed on DP720
- Added backup configuration feature. [BACKUP CONFIGURATION]
- Added UPnP discovery feature. [UPNP DISCOVERY]
- Added support for more languages and updated translation.
- Added DP750/DP720 product resource link to DP750 web UI footer at left side.
- Added support for page refresh by Refresh Page button, and added the icons of Refresh Page, Open Subscription and Page All button to icon bar. [ICON BAR WITH SHORTCUT ICON BUTTON]
- Added the ability to customize DP720 ringtones. [CUSTOMIZE DP720 RINGTONES]

- Enhanced factory reset feature by adding options to select Full RESET, RESET without deleting handsets subscription or RESET only deleting handset subscription. [ENHANCED FACTORY RESET]
- Added capability to rename the profile. [RENAME THE PROFILE]
- Added support for Distinctive Ringtone based on a customized SIP Alert-info header
- Added support to upload TXT configuration file, now user can upload TXT configuration file as the same as XML configuration files.
- Added support to auto-refresh on dect status web UI
- Added a new tab named "Support" under Maintenance page for support document, configuration support and debug tools.
- Added DP720 walk through setup wizard after factory rest.
- Added DP750 the ability to send SIP INFO and RFC2833 at same time. [SEND SIP INFO AND RFC2833 AT SAME TIME]
- Added force reboot button to web UI to force reboot DP750 in factory reset page under maintenance section.
- Improved power savings and stability.

## BUG FIX

- Fixed DP720 did not play busy tone in speaker when handset is in speaker mode
- Fixed DP750 UPnP only able to display one DP device at the same time
- Fixed DP750 IP call cannot be redialed
- Removed "Disable Call Waiting Tone" from Profile page, the settings are now under DECT -> Handset Settings now
- Fixed DP750 Music on hold is not sending correct signal for resume
- Fixed DP750: Self-defined time zone field length is too short, increased it from 32 characters to 64
- Fixed DP750 SIP Registration before expiration field value limit is too small, increased it to 64800
- Fixed DP750 SIP Registration failure retry sending duplicated REGISTER packets
- Fixed DP750 cannot unsubscribe the handset after factory reset via TR069
- Fixed DP750 could not make outbound call after handset stay in the off-hook status more than two minutes
- Removed UCM Zero Config template offline download from DP750 web GUI, because DP has official released and the template now can be accessed directly on UCM
- Fixed DP750 cannot factory reset when reset device by TR069
- Fixed DP750 "support tools" online support links are open in self-page and removed offline user manual
- Fixed DP750 Change web port did not tip reboot
- Fixed DP720 contacts cannot display all after browse more than 10 entries
- Fixed DP720 key mapping settings does not working properly
- Fixed DP720 reboot automatically when receiving a call at the same time of successfully saving a new contact
- Fixed DP720 LSK/RSK becomes invalid in Settings menu after fast repeat enter and exit User Settings
- Fixed DP720 ring5 cannot be save and apply to melody



- Fixed DP720 cannot access to submenu or back to idle when unsubscribe it during in the call history interface
- Fixed DP720 did not play busy tone in speaker when handset is in speaker mode
- Fixed DP720 keypad tone is very small
- Fixed HS prompt “Unknown User” when it is not subscribed and pressing keypad from main interface, update the prompt to "Not subscribed"
- Fixed "Check for New Firmware" button does not prompt "the operation successfully" after being clicked
- Fixed handset will lose connection after conference member end the call sometimes
- Fixed when set the SRTP Mode to “enabled and forced”, after answering the second calls, the status of handset will become abnormal
- Fixed handset to prompt "Current account was disabled" instead of "User unknown" when calling using disabled account
- Fixed VLAN settings sometimes does not working properly issue
- Fixed incoming account misrepresented in Circular/Parallel/Shared hunt mode
- Fixed "Disable Call Waiting Caller ID" option does not working
- Fixed reject incoming call from single handset will terminates the call instead of advancing to the next handset in circular/linear mode
- Fixed DP750 is providing incorrect Line status to ACS server
- Fixed the confirmation tone is not played by speaker
- Fixed DP750 inactive SIP accounts triggers No Registration LED
- Fixed the System Info page does not refresh after clicking Check Firmware button
- Changed the “Upgrade” button to “Check for New Firmware” and added firmware version information after the button being pressed
- Fixed after changed IP, user could not access web UI
- Fixed that DP750 can reboot when DP720 is upgrading
- Fixed the value cannot be saved if typing Return key on White/Black list for WAN side
- Fixed account info mismatch when in Parallel or Shared mode
- Fixed DP750 doesn't accept dial plan that works fine on GXP
- Fixed 750 crashes after 24-36 hours of operating time which is caused by incoming parallel call been canceled too soon.

## NEW FEATURES OVERVIEW


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

### CORE COLLECTION EMAIL


- **Web Configuration**

Add email field for core collection tools. Users can leave a contact email to get feedbacks.

⚠ Your device recovered from a crash! Submit logs to Grandstream for troubleshooting?



[STATUS](#)
[PROFILES](#)
[DECT](#)
[SETTINGS](#)
[MAINTENANCE](#)
[PHONEBOOK](#)


Version 1.0.3...

Maintenance

- Firmware Upgrade
- Provisioning
- Web/SSH Access
- TR-069
- Security Settings
- Date and Time
- Syslog
- Packet Capture
- Factory Reset
- Support
- Support Documentation
- Configuration Support
- Debug Tools

## Debug Tools

### Remote Log Submission - Terms & Conditions

The log files listed below are generated automatically if the usability of the device is affected. By clicking the Submit button, you agree to allow the device to send these files to Grandstream to be used for troubleshooting purposes. If possible, please include a comment with information regarding the use of the device when the problem occurred.

As an alternative to the device submitting the files, you may download the files below and submit them to Grandstream manually.

Agree to Terms?
  Yes, allow sending of crash logs to Grandstream.

Email Address

Comments

### Debug Log Files

forced\_core\_cmbs\_nvram\_db\_DP750\_FW\_R1\_0\_3\_21\_MAC\_
core.tar
Tue Feb 28 15:14:02 2017 [Download](#)

Delete All Files

Terminate Phone Process

### Handset Notification

Prompt Handsets After Recovery?
  Yes
  No

- **New P Values**

Pvalue	Description	Value range	Default
P27774	<New Pvalue> Contact email address for core dump files	String max 256 bit	null

## DP720 FACTORY RESET DURING BOOTING UP

- **Web Configuration**

No web configuration needed, this feature is a built-in for all DP720 since 1.0.3.22

- **Functionality**

This feature is use combo keys to factory reset DP720 during booting up prior it's fully booted, to give DP720 the ability to recover from some extreme cases like self-reboot or stuck right after booted up.

### The procedure for DP720 factory reset using combo key:

1. Connect the USB cable and power off DP720.
2. Power on DP720 and wait for Green LED.

3. Press 3 times Central Key (OK/Selection Key) quickly after Green LED on.
4. Press Speaker Key (left bottom) first and then Mute Key (right bottom) after Red LED on.
5. DP720 LED will start blinking in 3 colors: Green, Red and Orange if factory reset successful triggered.
6. Wait for about 1-3 minutes, the DP720 will boot up with setup wizard for initial language and date format settings.

## HANDSET PROVISIONING FEATURE

- **Web Configuration**

To configure the handset provisioning, please browse the base station Web GUI at Maintenance -> Provisioning. This is the same page used for base station provisioning. Handset shares the settings of base station provisioning in the field in the red rectangle, and has its own settings in the blue rectangle. After enabled Handset Config Upgrade, need reboot the DP750 to take effect.

<b>Maintenance</b>	<h1>Provisioning</h1>
Firmware Upgrade	
<b>Provisioning</b>	
Web/SSH Access	
TR-069	
Security Settings <span style="float: right;">+</span>	
Date and Time	
Syslog	
Packet Capture	
Factory Reset	
Support <span style="float: right;">+</span>	

XML Config File Password <input type="text"/> HTTP/HTTPS User Name <input type="text"/> HTTP/HTTPS Password <input type="text"/> Always send HTTP Basic Authentication Information <input checked="" type="radio"/> No <input type="radio"/> Yes Verify host when using HTTPS <input checked="" type="radio"/> No <input type="radio"/> Yes Provisioning via <input type="radio"/> TFTP <input checked="" type="radio"/> HTTP <input type="radio"/> HTTPS Config Server Path <input type="text" value="fm.grandstream.com/gs"/>	
Config File Prefix <input type="text"/>	
Config File Postfix <input type="text"/>	
Enable Handset Config Upgrade <input type="radio"/> No <input checked="" type="radio"/> Yes Handset Config File Prefix <input type="text" value="ipei_"/> Handset Config File Postfix <input type="text"/>	
Allow DHCP Option 43 and Option 66 to Override Server <input type="radio"/> No <input checked="" type="radio"/> Yes	
Allow DHCP Option 120 to Override SIP Server <input checked="" type="radio"/> No <input type="radio"/> Yes	

**Provisioning via:** Choose the method that the base station uses to request handset ipei config file. Can use TFTP, HTTP or HTTPS.

**Config Server Path:** Defines the server path for provisioning. Do not prepend address with "http://" or any other protocol.

**Handset Config File Prefix:** If configured, only the handset configuration file with the matching encrypted prefix will be downloaded and flashed into the device.

**Handset Config File Postfix:** If configured, only the handset configuration file with the matching encrypted postfix will be downloaded and flashed into the device.

- **Functionality**

When a DP720 registers to a DP750 for the first time or an already registered handset boots up, the DP750 will send a provisioning request for a file on the configured provisioning server, with location "Config\_Server\_Path/[Prefix][HS IPEI].xml[Postfix]". For example, if handset's IPEI number is 02c332b510, prefix is "ipei\_", postfix is null, and config server path is "fw.grandstream.com/gs", the request URL is "fw.grandstream.com/gs/ipei\_02c332b510.xml".

### Example Configuration File

```
<?xml version="1.0" encoding="UTF-8"?>
<hs_config>
  <ipei>02c332b510</ipei>
  <hs_name>HS 1FEDE</hs_name>
  <sip>
    <line>
      <display_name>1FEDE_Line_1</display_name>
      <profile_name>profile1</profile_name>
      <user_id>5328</user_id>
      <auth_id>5328</auth_id>
      <password>password</password>
      <ring_type>DID</ring_type>
    </line>
  </sip>
  <hs_settings>
    <force_apply>1</force_apply>
    <admin>
      <disable_private_phonebook>0</disable_private_phonebook>
      <disable_shared_phonebook>0</disable_shared_phonebook>
      <disable_conference>0</disable_conference>
      <disable_transfer>0</disable_transfer>
      <custom_ringtones>2</custom_ringtones>
    </admin>
  </hs_settings>
</hs_config>
```

```

</admin>
<user>
  <auto_answer>0</auto_answer>
  <cradle_answer>0</cradle_answer>
  <cradle_answer>0</cradle_answer>
  <remote_disconnect_tone_disable>0</remote_disconnect_tone_disable>
  <disable_callwaiting_tone>0</disable_callwaiting_tone>
  <lcd_backlight_cradle>0</lcd_backlight_cradle>
  <key_up_idle_function>4</key_up_idle_function>
  <key_down_idle_function>3</key_down_idle_function>
  <key_left_idle_function>12</key_left_idle_function>
  <key_right_idle_function>11</key_right_idle_function>
  <key_up_call_function>0</key_up_call_function>
  <key_down_call_function>0</key_down_call_function>
  <key_left_call_function>14</key_left_call_function>
  <key_right_call_function>13</key_right_call_function>
  <left_softkey_idle_function>1</left_softkey_idle_function>
  <right_softkey_idle_function>7</right_softkey_idle_function>
  <left_softkey_call_function>16</left_softkey_call_function>
  <right_softkey_call_function>17</right_softkey_call_function>
  <mute_as_dnd>0</mute_as_dnd>
</user>
</hs_settings>
</hs_config>

```

For more detailed information, please go to DP750/DP720 [product page](#), at How to Guide section, found the [Handset Provisioning Guide](#).

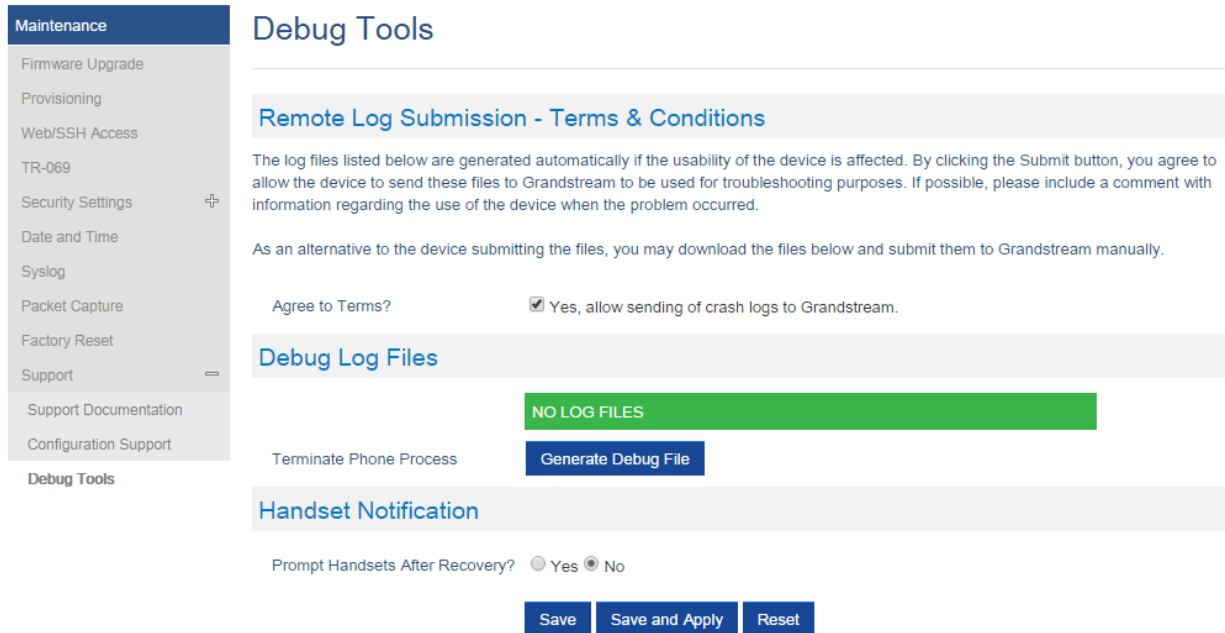
- **New P Values**

Pvalue	Description	Value range	Default
P27014	<New Pvalue> Enable Handset Config Upgrade	0 – No 1 – Yes	0 – No
P27015	<New Pvalue> Handset Config File Prefix.	String	ipei_
P27016	<New Pvalue> Handset Config File Postfix.	String	NULL

## DP750 DEBUG TOOLS

- **Web Configuration**

User can find the new option at Web ->Maintenance -> Support -> Debug Tools.



**Maintenance**

- Firmware Upgrade
- Provisioning
- Web/SSH Access
- TR-069
- Security Settings
- Date and Time
- Syslog
- Packet Capture
- Factory Reset
- Support
- Support Documentation
- Configuration Support

**Debug Tools**

## Debug Tools

### Remote Log Submission - Terms & Conditions

The log files listed below are generated automatically if the usability of the device is affected. By clicking the Submit button, you agree to allow the device to send these files to Grandstream to be used for troubleshooting purposes. If possible, please include a comment with information regarding the use of the device when the problem occurred.

As an alternative to the device submitting the files, you may download the files below and submit them to Grandstream manually.

Agree to Terms?  Yes, allow sending of crash logs to Grandstream.

### Debug Log Files

NO LOG FILES

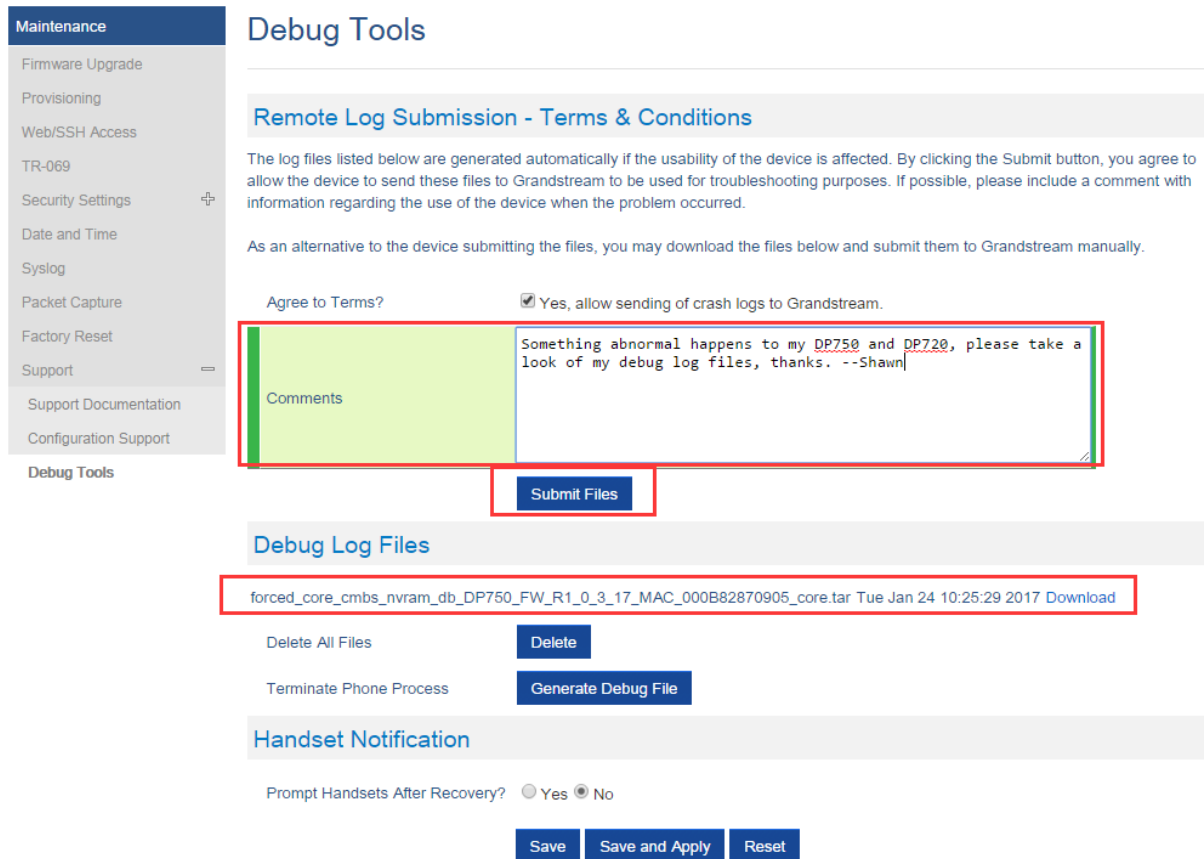
Terminate Phone Process [Generate Debug File](#)

### Handset Notification

Prompt Handsets After Recovery?  Yes  No

[Save](#) [Save and Apply](#) [Reset](#)

(Screenshot without debug log file)



**Maintenance**

- Firmware Upgrade
- Provisioning
- Web/SSH Access
- TR-069
- Security Settings
- Date and Time
- Syslog
- Packet Capture
- Factory Reset
- Support
- Support Documentation
- Configuration Support

**Debug Tools**

## Debug Tools

### Remote Log Submission - Terms & Conditions

The log files listed below are generated automatically if the usability of the device is affected. By clicking the Submit button, you agree to allow the device to send these files to Grandstream to be used for troubleshooting purposes. If possible, please include a comment with information regarding the use of the device when the problem occurred.

As an alternative to the device submitting the files, you may download the files below and submit them to Grandstream manually.

Agree to Terms?  Yes, allow sending of crash logs to Grandstream.

Comments: Something abnormal happens to my DP750 and DP720, please take a look of my debug log files, thanks. --Shawn

[Submit Files](#)

### Debug Log Files

forced\_core\_cmbs\_nvram\_db\_DP750\_FW\_R1\_0\_3\_17\_MAC\_000B82870905\_core.tar Tue Jan 24 10:25:29 2017 [Download](#)

Delete All Files [Delete](#)

Terminate Phone Process [Generate Debug File](#)

### Handset Notification

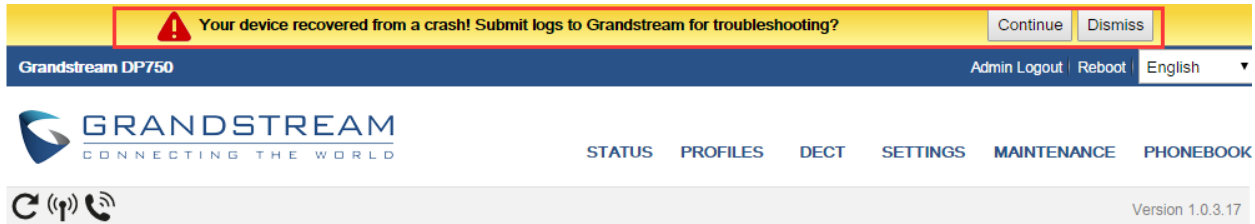
Prompt Handsets After Recovery?  Yes  No

[Save](#) [Save and Apply](#) [Reset](#)

(Screenshot with debug log file)

- **Functionality**

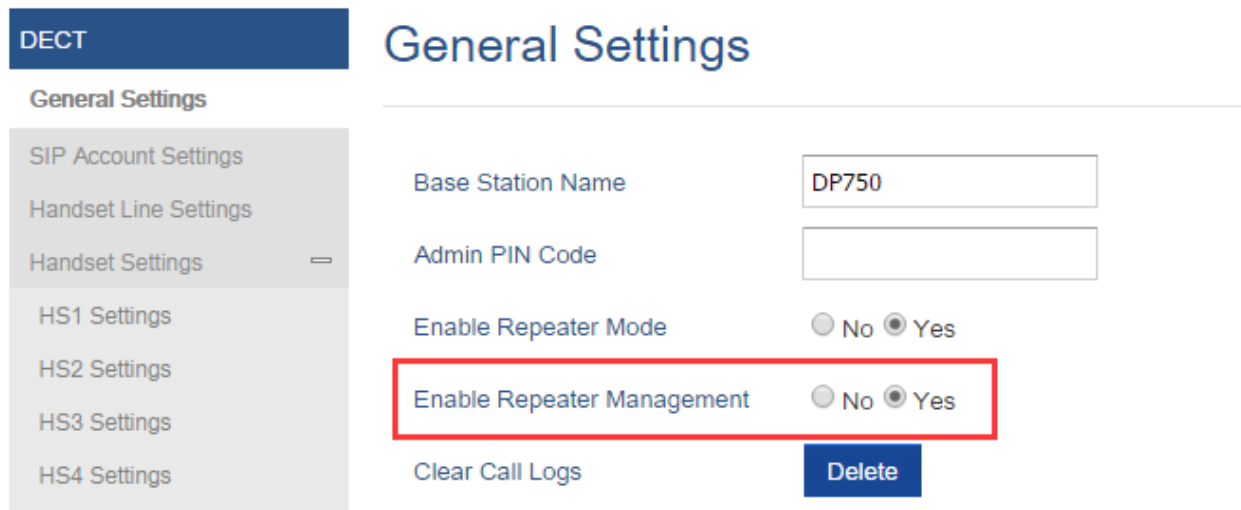
Allow user to generate debug log file and submit it to Grandstream debug server, or submit existing debug log file that self-generated from device crash. Grandstream will not collect any information without customers acknowledged and permissions. It will only send debug log file every time customer clicks the “Submit Button”, after file successfully been sent, the old one will be deleted. Also when there is any debug log files exist, the web UI will prompt it to user every time login:



Pvalue	Description	Value range	Default
P27751	<New Pvalue> Agree to terms to allow sending crash logs to Grandstream.	0 – No 1 – Yes	1 – Yes
P27753	<New Pvalue> Configure if prompt handset if there are debug log files exist.	0 – No 1 – Yes	0 – No

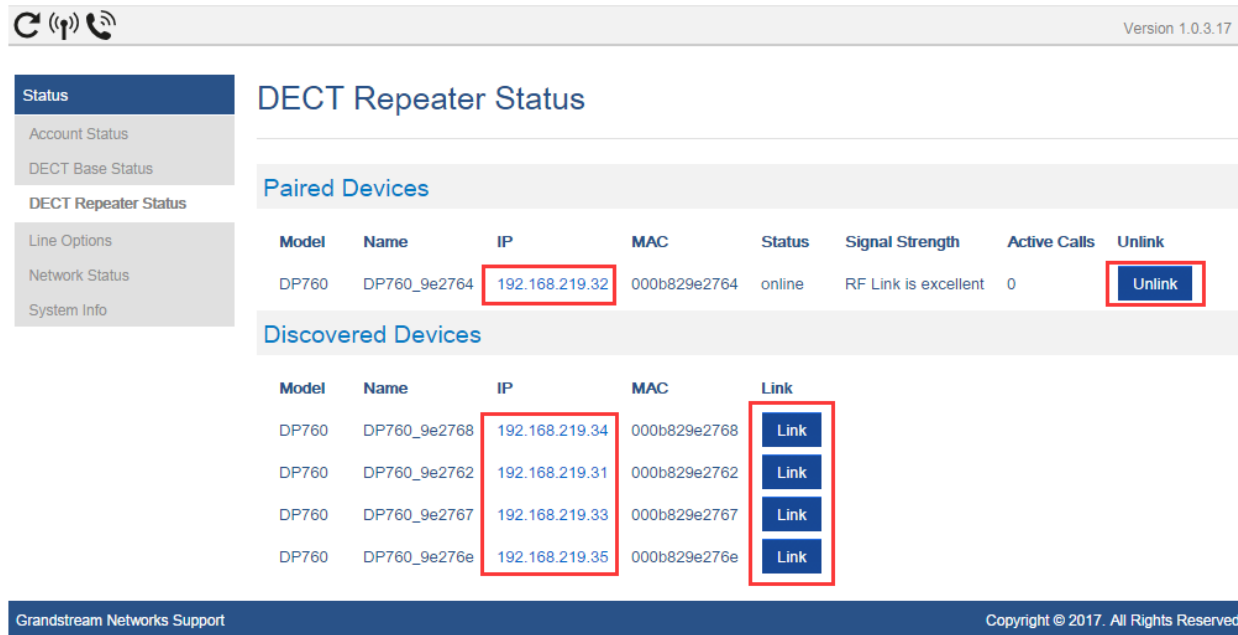
## REPEATER MANAGEMENT PAGE

- **Web Configuration**



- **Functionality**

After enabled Repeater Management, please reboot the base station first to take effect. Then login web UI and browse to Status page, you will find the new tab names: DECT Repeater Status pages. In which you can find all the paired devices and discovered devices, you can simply link and unlink the repeater by click the button. You can also access the web UI of the repeaters by click the IP links.



Pvalue	Description	Value range	Default
P27019	<New Pvalue> Enable Repeater Management feature, need reboot device to take effect.	0 – No 1 – Yes	0 – No

## BACKUP CONFIGURATION

- **Web Configuration**

User can find the new option at Web -> Maintenance -> Provisioning. (at the bottom of the page)

### Backup Configuration

Backup Configuration

**Backup Settings**

cfg000B82870905-2017-01-05-16-54-13.xml Thu Jan 5 16:54:28 2017 [Download](#)

**Delete**

- **Functionality**



Click “Backup Settings” Button, device will generate an xml config file storing all the current configuration on device itself. After clicked, please wait a few seconds then click the refresh button on the page icon bar or wait for the page self-refresh, you will found the xml list to download then. And support maximum 10 backup files. When it reaches 10 entries this feature will be disabled and the web UI will looks like below:

### Backup Configuration

Backup Configuration

DISABLED (MAX OF 10 CONFIG FILES REACHED)

cfg000B82870905-2017-01-05-16-54-13.xml Thu Jan 5 16:54:28 2017 [Download](#)

cfg000B82870905-2017-01-24-11-20-59.xml Tue Jan 24 11:21:14 2017 [Download](#)

cfg000B82870905-2017-01-24-11-22-17.xml Tue Jan 24 11:22:32 2017 [Download](#)

cfg000B82870905-2017-01-24-11-23-41.xml Tue Jan 24 11:23:57 2017 [Download](#)

cfg000B82870905-2017-01-24-11-24-08.xml Tue Jan 24 11:24:24 2017 [Download](#)

cfg000B82870905-2017-01-24-11-24-55.xml Tue Jan 24 11:25:10 2017 [Download](#)

cfg000B82870905-2017-01-24-11-26-38.xml Tue Jan 24 11:26:52 2017 [Download](#)

cfg000B82870905-2017-01-24-11-26-59.xml Tue Jan 24 11:27:15 2017 [Download](#)

cfg000B82870905-2017-01-24-11-27-15.xml Tue Jan 24 11:27:31 2017 [Download](#)

cfg000B82870905-2017-01-24-11-27-39.xml Tue Jan 24 11:27:55 2017 [Download](#)

Caution: Click Delete button will delete all the configuration, please download all the configuration files before you click the “Delete” button, after configuration files been delete, the UI will looks like below:

### Backup Configuration

Backup Configuration

Backup Settings

Backup Configuration

NONE

## UPNP DISCOVERY

- Web Configuration**

User can find the new option at Web -> Settings -> Networks Settings -> Advanced Settings.

### UPnP Discovery Settings

Enable UPnP discovery

No  Yes

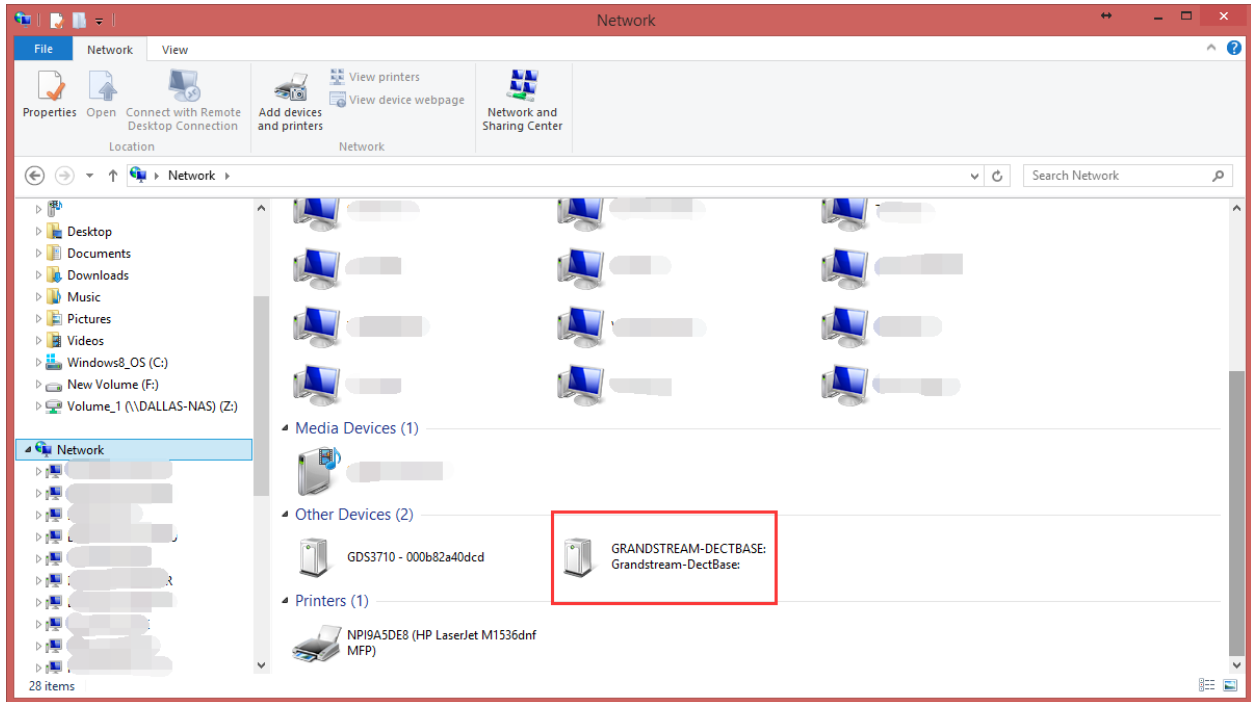
UPnP discovery notify interval

30

- Functionality**

Enables UPnP discovery feature. After enabled, if you have a PC in the same network of DP750, you can browse it directly in your Network. Double click the device will open its web GUI in your default browser.

The UPnP Discovery notify interval is set how often it will refresh to find the device, default interval is 30 seconds.



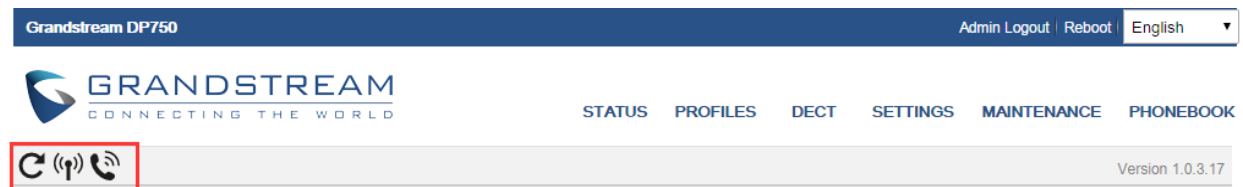
- **New P Values**

Pvalue	Description	Value range	Default
P27756	<New Pvalue> P value to enable/disable UPnP discovery	0 or 1 0: No (Disabled) 1: Yes (Enabled)	1
P27757	<New Pvalue> Pvalue to set the interval of UPnP discovery notify	15 - 86400 (seconds)	30

## ICON BAR WITH SHORTCUT ICON BUTTON

- **Web Configuration**

User can find the icon bar right below the main menu of every page.



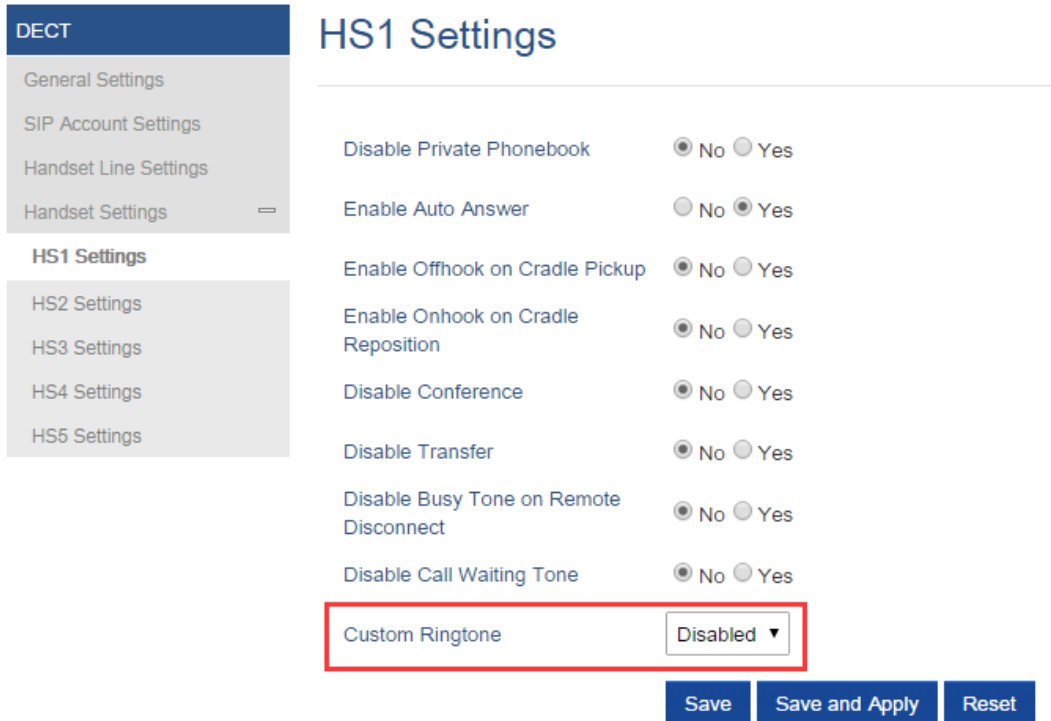
- **Functionality**

The first icon is click to refresh the current page. The second icon is used to enable subscription. The third icon is used to page all the handset.

## CUSTOMIZE DP720 RINGTONES

- **Web Configuration**

Once use firmware provisioning method uploaded .bin ringtone files, users can assign custom ringtone to specific handset at Web -> DECT -> Handset Settings.



The screenshot shows the 'HS1 Settings' page in the Grandstream web interface. On the left is a navigation menu with 'DECT' selected, and sub-menus for 'General Settings', 'SIP Account Settings', 'Handset Line Settings', and 'Handset Settings'. Under 'Handset Settings', 'HS1 Settings' is selected. The main content area lists several settings with radio buttons for 'No' and 'Yes':

- Disable Private Phonebook:  No  Yes
- Enable Auto Answer:  No  Yes
- Enable Offhook on Cradle Pickup:  No  Yes
- Enable Onhook on Cradle Reposition:  No  Yes
- Disable Conference:  No  Yes
- Disable Transfer:  No  Yes
- Disable Busy Tone on Remote Disconnect:  No  Yes
- Disable Call Waiting Tone:  No  Yes

The 'Custom Ringtone' setting is highlighted with a red box and has a dropdown menu currently set to 'Disabled'. At the bottom of the settings area are three buttons: 'Save', 'Save and Apply', and 'Reset'.

- **Functionality**

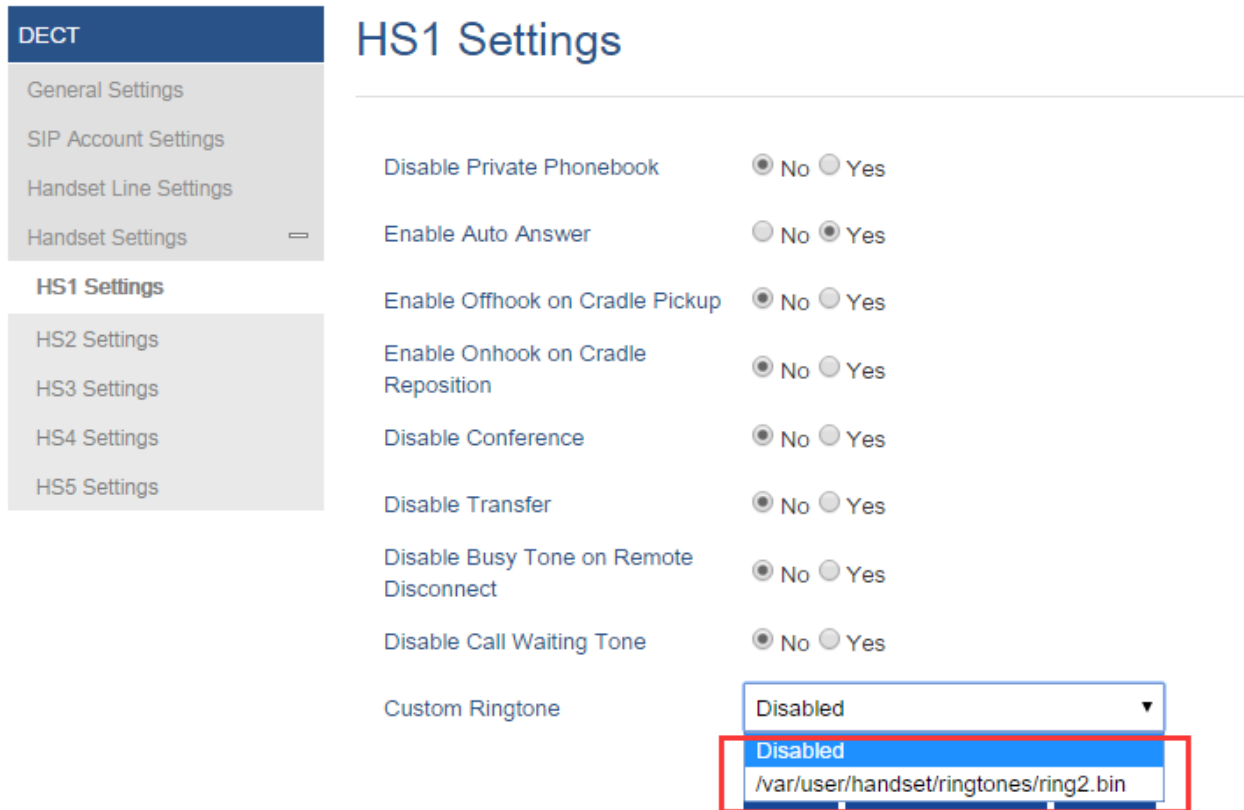
DP750/DP720 now support customized ringtones now. It takes up to 10 ringtone files which have be named as ring1.bin to ring10.bin, and you can assign one ringtone to each handset in the web UI as the screenshot above.

**Steps of configuring a custom ringtone to a handset:**

1. Get ringtone files that accepted by DP devices. DP750 and DP720 only support .bin ringtone file. Please use the ring generator tools named “Grandstream IP Phone Custom Ringtone Generator” at our official website: <http://www.grandstream.com/support/tools>  
Each ringtone files can maximum be 128KB and have to be named in ringX.bin, X can be 1 to 10.
2. Put the ringX.bin file under the firmware provisioning path, reboot DP750, it will fetch the .bin ringtone file as the same way as fetch firmware.
3. After DP750 booted up, browser to Web -> DECT -> HS Settings, at the Cutom Ringtone, you will see the uploaded ringtone listed under the drop down box. Select the one you want to use for each handset.

4. Save and Apply, wait the DP720 fully downloaded the ringtone, you will be able to set DP720 to use that ringtone.

Each handset only able to use one custom ringtone and DP750 maximum support 10 custom ringtone. You might need refresh the page of HSx Settings page to display the uploaded ringtone. Below is screenshot of how it looks like when there is a custom ringtone.



The screenshot shows the 'HS1 Settings' page. On the left is a navigation menu with 'DECT' at the top, followed by 'General Settings', 'SIP Account Settings', 'Handset Line Settings', and 'Handset Settings'. Under 'Handset Settings', there are sub-sections for 'HS1 Settings', 'HS2 Settings', 'HS3 Settings', 'HS4 Settings', and 'HS5 Settings'. The main content area is titled 'HS1 Settings' and contains several toggle options:

- Disable Private Phonebook:  No  Yes
- Enable Auto Answer:  No  Yes
- Enable Offhook on Cradle Pickup:  No  Yes
- Enable Onhook on Cradle Reposition:  No  Yes
- Disable Conference:  No  Yes
- Disable Transfer:  No  Yes
- Disable Busy Tone on Remote Disconnect:  No  Yes
- Disable Call Waiting Tone:  No  Yes
- Custom Ringtone: A dropdown menu currently showing 'Disabled'. A red box highlights the dropdown, and a blue box highlights the selected 'Disabled' option. Below it, the path '/var/user/handset/ringtones/ring2.bin' is visible.

## ENHANCED FACTORY RESET

- **Web Configuration**

User can set DP750 reset button behavior at Web -> Maintenance -> Factory Reset:

**Maintenance**

Firmware Upgrade

Provisioning

Web/SSH Access

TR-069

Security Settings +

Date and Time

Syslog

Packet Capture

**Factory Reset**

Support +

## Force Reboot/Factory Reset

---

Force Reboot Reboot

### Configure Web UI Button

Reset Type Full Factory Reset ▼

Perform Selected Reset Reset

### Configure Hardware Button

Reset Type Full Factory Reset ▼

Save
Save and Apply
Reset

- **Functionality**

Allow user to configure the behavior of Web UI reset button and hardware button on device itself.

There are 3 reset type for Web UI button:

1. Full Factory Reset - This will reset all the settings.
2. NVRAM Settings Only - This will reset all the settings except subscription information, so the handset will stay in subscribed after reset, but all the other settings like account info, call settings, audio settings, etc. will be reset.
3. DECT Settings Only – This will reset only the subscription (wipe out all the subscription information), but keep all the other settings like account, SIP settings.

There are 4 reset types for Hardware button:

1. Full Factory Reset - This will reset all the settings.
2. NVRAM Settings Only - This will reset all the settings except subscription information, so the handset will stay in subscribed after reset, but all the other settings like account info, call settings, audio settings, etc. will be reset.
3. DECT Settings Only – This will reset only the subscription (wipe out all the subscription information), but keep all the other settings like account, SIP settings.
4. Disabled – This will disable the hardware button to factory reset the base for security purpose.

- **New P Values**

Pvalue	Description	Value range	Default
P27766	<New Pvalue> Pvalue to set the behavior of Web UI reset button.	0: Full Factory Reset 3: NVRAM Settings Only 4: DECT Settings Only	0

P88	<New Pvalue> Pvalue to set the behavior of hardware reset button.	0: Full Factory Reset 3: NVRAM Settings Only 4: DECT Settings Only 1: Disabled	0
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## RENAME THE PROFILE

- Web Configuration**

User can set DP750 each profile's name at Web -> Profiles -> each profile tab.



The screenshot shows the 'General Settings' page for a profile. The 'Profile Name' field is highlighted with a red box and contains the text 'profile1'. Other fields include 'Profile Active' (radio buttons for No and Yes), 'SIP Server' (192.168.254.5), and 'Failover SIP Server'.

- Functionality**

Custom the name of the profile, this profile name also been used in handset config provisioning for validation. By default, the value are profile1 – profile4.

- New P Values**

Pvalue	Description	Value range	Default
P27762	<New Pvalue> Pvalue to set the name of profile 1	String	profile1
P27763	<New Pvalue> Pvalue to set the name of profile 2	String	profile2
P27764	<New Pvalue> Pvalue to set the name of profile 3	String	profile3
P27765	<New Pvalue> Pvalue to set the name of profile 4	String	profile4

## SEND SIP INFO AND RFC2833 AT SAME TIME

- Web Configuration**

User can set DP750 each profile's name at Web -> Profiles -> each profile tab -> Audio Settings.

## Audio Settings

### DTMF Settings

Send DTMF  in-audio  via RTP (RFC2833)  via SIP INFO

Disable DTMF Negotiation  No  Yes

DTMF Payload Type

- Functionality**

DP750 used to be able to select one of the DTMF type out of in-audio, RFC2833 and SIP INFO, now the option changed from drop down box single-select to multiple check box. So use can choose to use multiple types at the same type.

- New P Values**

Pvalue	Description	Value range	Default
P2301	<New Pvalue> Pvalue to set if in-audio DTMF type enabled for profile 1	0 – not checked 1 - checked	0
P2302	<New Pvalue> Pvalue to set if RFC2833 DTMF type enabled for profile 1	0 – not checked 1 - checked	1
P2303	<New Pvalue> Pvalue to set if SIP INFO DTMF type enabled for profile 1	0 – not checked 1 - checked	0
P2401	Pvalue to set if in-audio DTMF type enabled for profile 2	0 – not checked 1 - checked	0
P2402	<New Pvalue> Pvalue to set if RFC2833 DTMF type enabled for profile 2	0 – not checked 1 - checked	1
P2403	<New Pvalue> Pvalue to set if SIP INFO DTMF type enabled for profile 2	0 – not checked 1 - checked	0
P2501	Pvalue to set if in-audio DTMF type enabled for profile 3	0 – not checked 1 - checked	0
P2502	<New Pvalue> Pvalue to set if RFC2833 DTMF type enabled for profile 3	0 – not checked 1 - checked	1
P2503	<New Pvalue> Pvalue to set if SIP INFO DTMF type enabled for profile 3	0 – not checked 1 - checked	0

P2601	Pvalue to set if in-audio DTMF type enabled for profile 4	0 – not checked 1 - checked	0
P2602	<New Pvalue> Pvalue to set if RFC2833 DTMF type enabled for profile 4	0 – not checked 1 - checked	1
P2603	<New Pvalue> Pvalue to set if SIP INFO DTMF type enabled for profile 4	0 – not checked 1 - checked	0



## FIRMWARE VERSION 1.0.2.16

### PRODUCT NAME

DP750 and DP720

### DATE

08/11/2016

### IMPORTANT UPGRADING NOTE

- **For DP750/DP720, once upgraded to 1.0.2.16 or above, downgrading to 1.0.1.x firmware version or lower is not supported.**

### ENHANCEMENT

- Added support for entering Plus Button '+' in DP720
- Added DP720 LCD auto turn on feature when pickup from or reposition to charger
- Added Access Control List to control access to web and SSH interfaces [ACCESS CONTROL LIST]
- Added option to enable/disable TR-069 [ENABLE/DISABLE TR-069]
- Added status display as "Normal" when core dump list is empty [CORE DUMP LIST STATUS]
- Added support for HTTPS web access [HTTPS WEB ACCESS]
- Added initial support for Repeater mode [INITIAL SUPPORT FOR REPEATER]
- Added Admin/User Guides and Drilling Template to web GUI support page [DOCUMENTS ADDED TO SUPPORT PAGE]
- Added headset detection and icon for DP720 dial mode screen
- Added Serbian, Slovakian and Swedish languages. Improved support for Czech, Dutch, German, Hebrew, Japanese, Korean, Turkish, Polish languages. [LANGUAGES UPDATED]

### BUG FIX

- Fixed DP750 will be "no service" if handset receives incoming call just when make new conference call
- Fixed enable Automatic XML Phonebook Download function was invalid
- Fixed after dial out code star feature, FXS LED keep blinking
- Fixed Priority value for RTP media for layer 2 QoS Settings always be 0 after changed values
- Fixed when handset default line set to none at base side, then change default line from handset side will make base server down.
- Fixed DP750 does not taking IP address from networks with LLDP option enabled
- Fixed incoming call not always rejected when HS is off hook
- Fixed NAPTR/SRV setting does not work
- Fixed DP750 does not taking IP address from networks with LLDP option enabled.
- Fixed "Add Auth Header On Initial REGISTER" option does not work

- Fixed DUT will leave a hold call when transfer failed
- Fixed after receiving incoming call with parallel/share mode some handsets cannot ring in page function
- Fixed call forwarding settings only allow 8 - 10 digits
- Changed DP720 menu "Line Status" in Call Settings to "Lines" for more accurate description
- Fixed handset cannot auto answer paging
- Fixed handset cannot display incoming calls when stay in factory reset confirm interface
- Change menu "Number" in Set Voice Mail to "VM Access Number" for more intuitive description
- Fixed call log sometimes record wrong duration time
- Fixed change ring tone would lead to the volume of call become bigger
- Fixed in contact 'search' interface, "delete" option displays as "back"
- Fixed call waiting tone only play once
- Fixed if click "reboot" option during calling, device does not reboot after called automatically
- Fixed "Number" field is empty when editing XML phonebook contact if phone type is "WORK"
- Fixed deleting all shared contacts might delete other handsets' private contacts
- Fixed Broadsoft IOT related bug that Invite with Alert-info is not playing desired tone
- Fixed Broadsoft IOT related bug that Inband DTMF not working
- Fixed Broadsoft IOT related bug that add ability to bridge conference before third party answers
- Fixed Broadsoft IOT Call transfer issue
- Fixed Broadsoft IOT related issue that in Call Manager "answer call" and "hold" function not working correctly
- Fixed handset can press conference or other options when it is in early media
- Fixed DUT could not call out after removing second line with same account
- Fixed when answer the 2nd call, remote side would hear a serious noise.
- Fixed call manager "answer call" and "hold" function not working correctly
- Fixed ringtone volume cannot restore in next incoming call after adjust ringtone volume to minimum during incoming call
- Fixed if the length of sip settings value is bigger than 12 characters in web, the handset side would display blank
- Fixed handset cannot make new call directly on contacts.
- Fixed no clock display during calling
- Fixed DP720 does not play out audio with professional Sennheiser mono headset, neither single SC230 nor dual SC262
- Fixed if click press "speaker" key quickly after off hook, audio channel will not switch to the speaker
- Fixed handset does not play ringtone when receiving incoming call in parallel or shared mode, and it cannot answer the call
- Fixed when transfer a call, device will send INVITE to the third party before sending REFER
- Fixed device will fail to transfer if the first session is hold, then handset will always prompt user unknown when calling
- Fixed handset will not play CW tone if it is in select contact UI
- Fixed digits not sent to base when 24-digit number entered via on-hook dialing (limit to 20 digits)
- Fixed speaker icon was not disappeared but actually HS was in earpiece mode

- Fixed handset lacks characters "" and "&"
- Fixed handset auto-save the volume after adjusted the alarm volume without saving
- Fixed melody setting in individual contact is not working
- Fixed handset will crash if pressing '1' or '4' key just when booting up
- Fixed handset info displayed new IP address after saving new static IP in handset without reboot
- Fixed "Delayed Call Forward Wait Time" option on web is invalid
- Fixed sometimes base will still ring next handset but server already cancels the call
- Fixed direct dial on contact menu will only dial out via contact's home number
- Fixed DNS Settings is inconsistency between DNS Server 1, DNS Server 2 and Preferred DNS Server
- Fixed after back to main menu, the icon used to indicate there are Missed Calls and Voice Messages disappeared
- Fixed DP720 Speed dial only display first name which should be both first name and last name
- Fixed if handset play standard ring tone before off hook it will in speaker mode
- Fixed the contact cannot be saved with more than 35 characters
- Fixed DUT can re-dial with outgoing number is empty
- Fixed the redial option cannot be used if "Use # as Dial Key" is set to NO
- Fixed after handset selected another base the original base still marked this handset as online
- Fixed the session will be hung up if unplug headset during the call
- Fixed when handset hold the call, FXS led did not blink
- Fixed DUT as transferee cannot back to call if transfer failed
- Fixed if press back key when loading contact in speed dial menu HS will back to main interface
- Fixed if handset generate two missed call history at the same time, the first missed call history name would display blank
- Fixed the call history display order is not from latest to oldest
- Fixed handset does not display LDAP contacts
- Fixed after receiving incoming call with parallel/share mode device always responded 408
- Fixed handset will display error when search LDAP contacts
- Fixed Web GUI cannot be accessed when use PPOE mode
- Fixed Web GUI cannot be accessed when use Qos2
- Fixed handset search contacts function does not work
- Fixed if the third party answers & ends the call quickly the original session will be abnormal
- Fixed handset will auto exit new call UI if receiving incoming call during new call process
- Fixed HS did not auto answer the call from contact that has been configured melody
- Fixed user cannot check sip server name in sip settings by pressing right Softkey
- Fixed handset status did not update base mac address after subscribed another base
- Fixed the name of right Softkey is displayed as "delete" but actually there is no entry
- Fixed missed call LED still flash after viewing all missed call logs
- Fixed Session Expiration value can set to small then Min-SE value
- Fixed HS cannot update CID while in alerting state
- Fixed it will not record missed call in Parallel and Shared mode
- Fixed SIP accounts cannot register to Failover SIP Server except account 1

- Fixed it will not record accepted call in Parallel and Shared mode
- Fixed DUT will not play melody ringtone when handset stay in contact list interface
- Fixed handset popped up menu for a moment every time it received incoming call
- Fixed if edit dialing number that more than 20 characters on call history HS will be block in blank interface
- Fixed remote end also heard the CW tone which was generated by HS
- Fixed device does not respond 486 if HS calls to internal HS with the fourth call
- Fixed if HS is in status UI when BS boots up the HS will not register to BS
- Fixed battery icon need change to white color icon
- Fixed green button is not always act as "Send" when making transfer and conference call

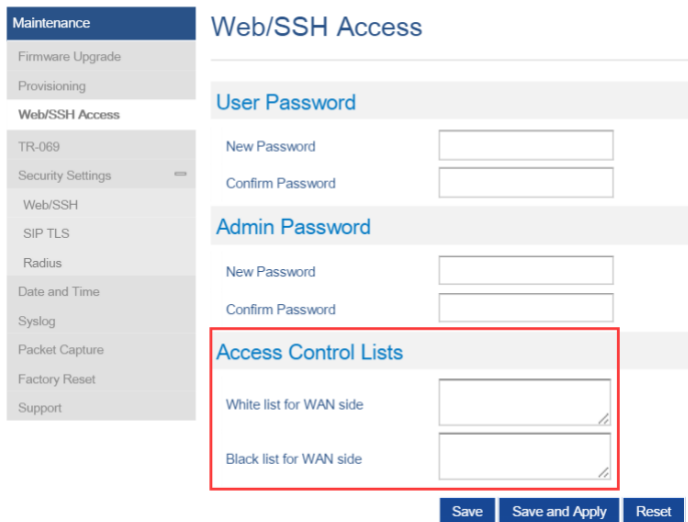
## NEW FEATURES OVERVIEW

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

## ACCESS CONTROL LIST

- **Web Configuration**

These settings can be found at Web -> Maintenance -> Web/SSH Access



The screenshot shows the 'Web/SSH Access' configuration page. The left sidebar lists various settings, with 'Web/SSH' selected. The main content area is titled 'Web/SSH Access' and contains sections for 'User Password', 'Admin Password', and 'Access Control Lists'. The 'Access Control Lists' section is highlighted with a red box and contains two text input fields: 'White list for WAN side' and 'Black list for WAN side'. Below these fields are three buttons: 'Save', 'Save and Apply', and 'Reset'.

- **Functionality**

If added IP address to White list for WAN side field, then only the IP address in white list can access Web and Telnet.

If added IP address to Black list for WAN side field, then The IP address in black list will cannot access Web or Telnet.

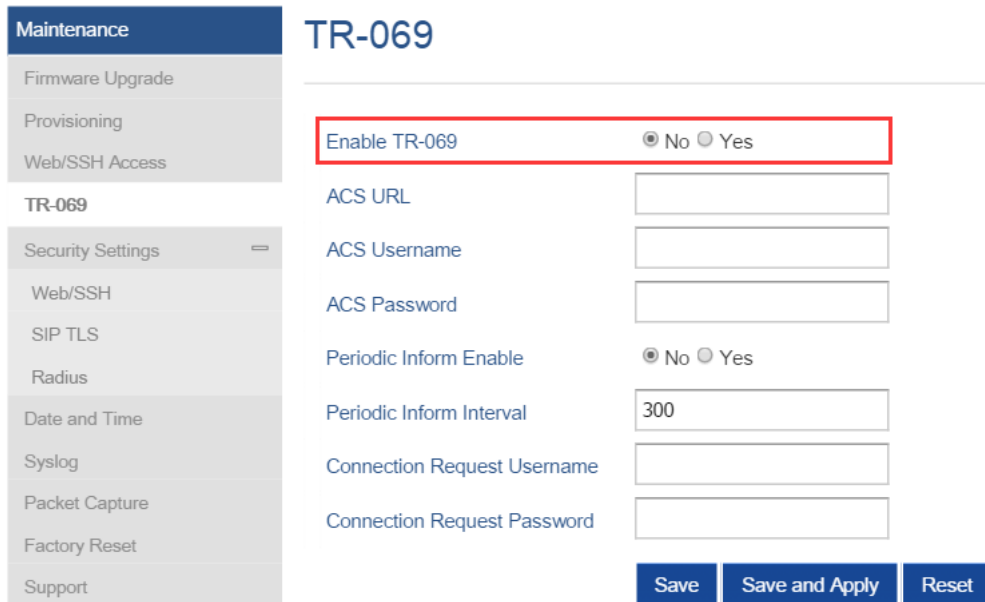
- **New P Values**

Pvalue	Description	Value range	Default
P20701	<New Pvalue> White list for WAN side.	ipaddress	
P20702	Black list for WAN side.	ipaddress	

## ENABLE/DISABLE TR-069

- Web Configuration**

User can find the new option at Web ->Maintenance -> TR-069.



The screenshot shows the 'Maintenance' menu on the left with 'TR-069' selected. The main configuration area for 'TR-069' includes the following fields:

- Enable TR-069:** Radio buttons for 'No' (selected) and 'Yes'.
- ACS URL:** Text input field.
- ACS Username:** Text input field.
- ACS Password:** Text input field.
- Periodic Inform Enable:** Radio buttons for 'No' (selected) and 'Yes'.
- Periodic Inform Interval:** Text input field with the value '300'.
- Connection Request Username:** Text input field.
- Connection Request Password:** Text input field.

At the bottom of the configuration area are three buttons: 'Save', 'Save and Apply', and 'Reset'.

- Functionality**

Allow user to enable and disable TR-069 function.

Pvalue	Description	Value range	Default
P1409	<New Pvalue> Enable or disable TR-069.	0 - No 1 - Yes	0 - No

## CORE DUMP LIST STATUS

- Web Configuration**



The screenshot shows the 'Core Dump' status page. The status is displayed as 'NORMAL' in a green bar.

- Functionality**

If there is no Core Dump file, display a "Normal" Status.

## HTTPS WEB ACCESS

- Web Configuration**

User can find the new option at Web -> Maintenance -> Security Settings -> Web/SSH.

Maintenance	Web/SSH Settings
Firmware Upgrade	HTTP Web Port <input type="text" value="80"/>
Provisioning	<b>HTTPS Web Port <input type="text" value="443"/></b>
Web/SSH Access	<b>Web Access Mode <input type="radio"/> HTTPS <input checked="" type="radio"/> HTTP</b>
TR-069	Disable SSH <input checked="" type="radio"/> No <input type="radio"/> Yes
Security Settings	SSH Port <input type="text" value="22"/>
<b>Web/SSH</b>	<b>Save Save and Apply Reset</b>
SIP TLS	
Radius	
Date and Time	
Syslog	
Packet Capture	
Factory Reset	
Support	

- Functionality**

New options added to allow user to enable HTTPS Web Access Mode and config HTTPS Web Port.

After enabled HTTPS mode, will need reboot the DP750 to take effect the settings. Then can access the device by <https://IPADDRESS:PORTS>, for example: <https://192.168.1.18:443>

- New P Values**

Pvalue	Description	Value range	Default
P27010	<New Pvalue> Port for HTTPS web access. The default setting is 443	1 - 65535	443
P1650	<New Pvalue> Sets the protocol for the web interface.	0 or 1 0: HTTPS 1: HTTP	1

## INITIAL SUPPORT FOR REPEATER

- Web Configuration**

User can find the new option at Web -> DECT -> General Settings. A new option “Enable Repeater Mode” is added.

**DECT**

## General Settings

General Settings

SIP Account Settings

Handset Line Settings

 Base Station Name 

 Admin PIN Code 

 Enable Repeater Mode  No  Yes

 Clear Call Logs 

### Handset Settings

Handset	Handset Name	Handset Phonebook	Offhook Auto-dial
HS1	<input type="text" value="HS1"/>	<input type="text" value="PB1"/> ▼	<input type="text"/>
HS2	<input type="text" value="HS2"/>	<input type="text" value="PB2"/> ▼	<input type="text"/>
HS3	<input type="text" value="HS3"/>	<input type="text" value="PB3"/> ▼	<input type="text"/>
HS4	<input type="text" value="HS4"/>	<input type="text" value="PB4"/> ▼	<input type="text"/>
HS5	<input type="text" value="HS5"/>	<input type="text" value="PB5"/> ▼	<input type="text"/>

- Functionality**

Add initial support for repeater function. Add option to enable /disable repeater mode, the change for this option will need reboot DP750 to take effect.

Right now GS's repeater hasn't official released and DP750 only support EU repeater, we will add support for US repeater later.

#### Step to Pair a repeater:

1. Make sure you base is in EU region, display in Web GUI as below:

Base DECT RF Region

2. Make sure your repeater is EU standard.
3. Set Enable Repeater Mode to "Yes", Click Save and Apply, then reboot base take effect the settings.
4. Click "Subscribe" button in Web -> Status -> DECT Status as below screenshot or long press Page button on DP750 for 7 7 seconds to open subscription:

Open Subscription

5. Repeater will automatically pair to DP750
6. We don't have feature to display repeater connection status right now, but repeater LED should show the connection established.

- **New P Values**

Pvalue	Description	Value range	Default
P20002	<New Pvalue> Pvalue to enable/disable base station repeater mode.	0 or 1 0: No (Disabled) 1: Yes (Enabled)	0

## DOCUMENTS ADDED TO SUPPORT PAGE

- **Web Configuration**

User can find the new item at Web -> Maintenance -> Support. Offline Admin/User Guide and Drilling Template can be download from DP750 now.

**Maintenance**

- Firmware Upgrade
- Provisioning
- Web/SSH Access
- TR-069
- Security Settings ≡
- Web/SSH
- SIP TLS
- Radius
- Date and Time
- Syslog
- Packet Capture
- Factory Reset

**Support**

## Support

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### Online Support

- DP750 Product Page [Cordless IP Phones | Grandstream Networks](#)
- Support Tools [Tools | Grandstream Networks](#)

### Offline Support

- Administration Guide [DP750/DP720 Administration Guide](#)
- User Guide [DP750/DP720 User Guide](#)
- Drilling Template [MD Hole Location for Wall Mount](#)

### Download Default Device Configuration

- Default Device Config (Text) [Download](#)
- Default Device Config (XML) [Download](#)

### Download UCM Zero Config Template

- Versions 1.0.10.43 to latest [Download](#)
- Versions 1.0.10.38 to 1.0.10.42 [Download](#)
- Versions 1.0.10.1 to 1.0.10.37 [Download](#)

Save
Save and Apply
Reset

## LANGUAGES UPDATED

- **Web Configuration**



User can set DP750 language at Web right-top side. User can set DP720 language at handset GUI -> Settings -> Phone Languages.

