

## GRANDSTREAM NETWORKS

Firmware Release Notes: **Version 1.0.3.13**

Product Model: **GDS3710**

(HW Supported: **1.3A, 1.3B, 1.5A, 1.6A**)

Date: December 3, 2017

### IMPORTANT UPGRADING NOTE

- **Once upgraded to 1.0.3.x firmware, downgrading to 1.0.2.x or previous lower firmware version is NOT SUPPORTED.**
- **Factory Reset is recommended after upgrading from old 1.0.1.x or 1.0.2.x firmware.**
- **Please backup data before performing factory reset then restore back the data**

Firmware **ONLY** applies to below HW version:

HW version	FW	Comments
GDS3710 HW1.3A	YES	<b>Only support HTTP upgrade image</b>
GDS3710 HW1.3B	YES	<b>Only support HTTP upgrade image</b>
GDS3710 HW1.5A	YES	
GDS3710 HW1.6A	YES	

### NEW P-Value:

- Take snapshot when press keypad P15420=0/1 0: Disable 1: Enable
- Enable Button to On Hook P14582=0/1 0: Disable (Default) 1: Enable
- Disable Keypad P15421=0/1 0: Disable (Default) 1: Enable
- Enable Unlock to On Hook P15422=0/1 0: Disable (Default) 1: Enable
- Secondary Outbound Proxy P2433=string Max.Length=255
- Enable two-way SIP Calling P8001=0/1 0: Disable 1: Enable
- Card Issuing State Expire Time(m) P15423=1-1440
- Enable Log Reporting P15410=0/1 0: Disable 1: Enable
- HTTP Server Host P15411=string Max. Length=128
- HTTP Server Port P15412=0-65535
- HTTP Server URL P15413=string Max.Length=256
- HTTP Server Username P15414=string Max.Length=128
- HTTP Server Password P15415=string Max.Length=128

## SUMMARY OF UPDATES

This is **MAJOR UPDATE** with new SDK. We strongly recommend users to back up all the data (both configuration and application) before update, also perform factory reset if previous firmware before update is a very old version.

## CHANGES SINCE FIRMWARE RELEASE 1.0.2.25

### BUG FIXES

- Fixed LLDP function not valid and IP will not automatically set to static if wrong VLAN Tag set.
- Fixed Wiegand lamp does not light up green when remote PIN entered to open door.
- Fixed Alarm Events Configuration displayed incorrectly.
- Fixed WDR mode very bright spot becoming pink issue and put back the WDR feature.
- Fixed swipe card still capture image even “capture image on unlock” unselected.
- Fixed unable to import the system configuration data.
- Fixed revising P value file with string like Holidays can still be imported
- Fixed using Hostage Code to open door if “capture image on unlock” un-checked, the device will not capture and upload the capture image.
- Fixed video cannot connect after motion detection alarm triggered.
- Fixed invalid P value in Holidays.
- Fixed SIP number is IP address and GDS as callee, DTMF unable to open door.
- Fixed GDS3710 cannot be searched and added by GVR355X NVR
- Fixed switch network the device restart
- Fixed network status page displayed error with default IP 192.168.1.168
- Fixed Group Information cannot be synchronized with GDSManager.
- Fixed initial delay in the audio call.
- Fixed \* and \*\* not allowed in “Number called when doorbell pressed”.
- Fixed cannot handle IPPBX feature code “\*\*\*”
- Fixed card information cannot be modified with IE9.
- Fixed DTMF set to SIP INFO or RFC2833, the open door function is invalid.
- Fixed device not reboot after receiving check-sync SIP message.
- Fixed STUN server filled the device will not send out Keep Alive packet.
- Fixed enable LLDP reboot the device will not do SIP registration.
- Fixed the PIN format is not consistent depending on In or Out call directions
- Fixed the schedule importing failed.
- Fixed DTMF cannot dial out from GDS3710 to interact with IVR.
- Fixed Guest PIN time duration unable to save.
- Fixed one-way audio issue in SIP call.
- Fixed in some network environment enable LLDP sometimes the device will not get IP address.
- Fixed using FQDN SIP domain name sometimes cause the key press no response.
- Fixed swipe card successfully the established unanswered SIP call by pressing doorbell not cancelled.
- Fixed keypad locked but the blue light still response to keypad pressing, should be no response.
- Fixed initial audio delay when audio call established.
- Fixed noise audio issue at the GDS output/speaker.

- Fixed invalid RFID card its mapped SIP extension can still remote open door by SIP call.
- Fixed if muted key tone, the wrong password input without prompt tone.
- Fixed UCM zero configuration the data pushed from UCM to GDS will not synchronized in GDS webGUI display.

## ENHANCEMENTS

- Improved the tool tip content of “Central Mode’
- Added option to disable alarm sound at phone side when event trigger SIP call to the phone.
- Increased maximum characters to 256 in “Number called when doorbell pressed” to allow serial hunting of SIP extensions or IP address with port or mixing of both, with each ring several seconds before going next.
- Fixed OSD time set for 12H the display in LiveView is not complete.
- Fixed card management page the information cannot be modified.
- Fixed when changing audio codec to G.722, the volume suddenly becomes louder.
- Fixed illegal format file imported to card management page without prompt warning.
- Added if schedule disabled, GDS3710 will bypass the option to open door.
- Enhanced the “Registration Expiration” timer settings.
- Adjusted some default values and its P values.
- Added feature to capture snapshot when doorbell pressed.
- Added feature to disable keypad input (lock keypad) and ONLY doorbell button can be pressed.
- Revised the tooltips of DI Open Door (alarm\_in and alarm\_out tooltips).
- Added option to disconnect call automatically after door open event.
- Added timer to expire Card Issuing Mode automatically.
- Added option to enable/disable call termination when OpenDoor Button (in the SIP phone side) pressed.
- Added ability for whitelist entries to open door using remote PIN.
- Implemented the HTTP Upload (RFID card) Log Event support for 3<sup>rd</sup> party Software Integration.
- Updated feature code input rule for \*# or \*\* for doorbell and end operation in 2 seconds if pressed wrong.
- Added VLAN and Priority Parameters in the LLDP settings.

## KNOWN ISSUES:

- The SIP phone sending DTMF to GDS may sometimes hand up and clear the call
- The alarm email text content may have error characters.
- When Doorbell On Hook uncheck but call established, press the button during the call in session will actually initial a new call and hold current call.
- GDS will accept new incoming call and automatically hold previous call but cannot get out of hold for previous call. GDS should reply 486 and reject all new incoming call when 1<sup>st</sup> call established.
- The 2<sup>nd</sup> outbound proxy will not use the DNS SRV parsing domain name.
- Occasionally the keypad will slow or no response to the input but will recover after seconds

## GRANDSTREAM NETWORKS

Firmware Release Notes: **Version 1.0.2.25**

Product Model: **GDS3710**

(HW Supported: 1.2A, 1.3A, 1.3B, 1.5A, 1.6A)

Date: November 8, 2017

### IMPORTANT UPGRADING NOTE

This version stopped HW1.2A/1.3A/1.3B fabrication support, still **support HTTP upgrade**.  
 Firmware applies to below HW versions:

HW version	FW	Comments
GDS3710 HW1.2A	YES	<b>Only support HTTP upgrade image</b>
GDS3710 HW1.3A	YES	<b>Only support HTTP upgrade image</b>
GDS3710 HW1.3B	YES	<b>Only support HTTP upgrade image</b>
GDS3710 HW1.5A	YES	
GDS3710 HW1.6A	YES	

### NEW P-Value:

- Enable Log Reporting P15410=0/1 (0: Disable 1: Enable)
- HTTP Server Host P15411=String (Max. Length=128)
- HTTP Server Port P15412=0-65535
- HTTP Server URL P15413=String (Max.Length=256)
- HTTP Server Username P15414=String (Max.Length=128)
- HTTP Server Password P15415=String (Max.Length=128)

### KNOWN ISSUES:

- TBA

## SUMMARY OF UPDATES

The main purpose of this release is bug fixes and feature enhancement

## CHANGES SINCE FIRMWARE RELEASE 1.0.2.22

### BUG FIXES

- Fixed the initial delay in audio call
- Fixed the time will not be updated by NTP server after GDS reboot.
- Fixed the password field displayed with error.
- Fixed special character can be save and stored in Unlock Hold Time
- Fixed the system basic page display abnormal issue.
- Fixed GDS3710 cannot be searched and added by NVR GVR355x (via ONVIF)
- Fixed the P value is invalid for holiday
- Fixed Group information cannot be synchronized with GDSManager.
- Fixed reboot device after enable LLDP, SIP account may not be able to register.
- Fixed delete the RFID card operation the cancel icon not working
- Fixed enable LLDP might not be able to get IP address via DHCP in some (VLAN) network environment

### ENHANCEMENTS

- Added if schedule disabled, GDS3710 will bypass the option to open door.
- Implemented the HTTP Upload (RFID card) Log Event support for 3<sup>rd</sup> party Software Integration.

---

---

## GRANDSTREAM NETWORKS

Firmware Release Notes: **Version 1.0.2.22**

Product Model: **GDS3710**

(HW Supported: 1.2A, 1.3A, 1.3B, 1.5A, 1.6A)

Date: *September 18, 2017*

### SUMMARY OF UPDATES

The main purpose of this release is bug fixes.

### CHANGES SINCE FIRMWARE RELEASE 1.0.2.21

#### BUG FIXES

- Fixed when uncheck “center mode”, GDSManager group relationship etc. will fail.
- Fixed group deleted, group status and information disabled but card swiping fail.
- Fixed DTMF function is invalid at some cases.
- Fixed in Privacy Mask page the Show MD Region is invalid.
- Fixed set to 12-hour display format will not take effect and show wrong format.
- Fixed Silent Alarm option displaying errors.
- Fixed DTMF option format displayed wrong in IE browser.
- Fixed deleted 2<sup>nd</sup> alarm receiving email account the email still delivering.
- Fixed personnel, gender displaying error when card number is 0
- Fixed Weigand Output feature issue.

#### IMPORTANT UPGRADING NOTE

- ***Once upgraded to 1.0.2.x firmware, downgrading to 1.0.1.x or lower firmware version is NOT supported.***
- ***Factory Reset is recommended after upgrading from 1.0.1.x to 1.0.2.x.***
- ***Please backup data before performing factory reset then restore the data***

---

---

## GRANDSTREAM NETWORKS

Firmware Release Notes: **Version 1.0.2.21**

Product Model: **GDS3710**

*(HW Supported: 1.2A, 1.3A, 1.3B, 1.5A, 1.6A)*

Date: August 31, 2017

### SUMMARY OF UPDATES

The main purpose of this release is bug fixes and feature enhancement.

### CHANGES SINCE FIRMWARE RELEASE 1.0.2.13

#### BUG FIXES

- Fixed Guest PIN invalid when modifying the guest pin conflicting with local PIN.
- Fixed the Blue Light turning off 1 minute late than configured time.
- Fixed SIP number is not displayed correctly at card management page.
- Fixed Holiday cannot display Chinese
- Fixed adjust resolution will make the Privacy Mask not working
- Fixed private door password displayed empty when PIN not configured
- Fixed error Email Format giving out confused prompt
- Fixed static IP with different subnet cannot be searched by GDSManager and GSuf\_Pro
- Fixed Wiegand Output function is invalid sometimes.
- Fixed ONVIF device\_service restart issue
- Fixed adjust and save the Door System setting page will restart the SIP client process
- Fixed Digital Input if in Open State, the Alarm State should also be in Open State
- Fixed revise the Group, Schedule and Holiday cannot be saved
- Fixed Wiegand Input can be directed to different protocol of the device
- Fixed Wiegand Input can be used as personal PIN to open the door
- Fixed one invalid P-value will fail the entire XML file import
- Fixed delete the group should automatically switch to disable card in that group
- Fixed group not available to displayed when carried schedule with holidays
- Fixed Weigand Input can still open door even the "Weigand Input" disabled
- Fixed exported configuration file missing P values of group, schedule and holidays
- Fixed issue when editing the region of Privacy Masks
- Fixed DHCP Option 66 invalid issue
- Fixed phone hand up but the doorbell still ringing
- Fixed Motion Detection sensibility is abnormal
- Fixed mute Key Tone will cause RFID card not response
- Fixed using Wiegand Input successfully open door via password but LED of Wiegand device is wrong

## ENHANCEMENTS

- Allow config and call IP address format on SIP field when dialing the Virtual Number
- Added “Silent Alarm” Mode
- Added option Backup/Restore including all passwords like SIP/FTP/RemoteAccess, etc.
- Added schedule support for Card and PIN
- Added LLDP support
- Added database automatic backup and synchronization
- Modified WebGUI style
- Added card information batch delete option in the WebGUI
- Added option to enable “Motion Detection”, “Tamper Alarm” and backlight partially light
- Added card user limitation up to 2000 and group limit to 50.
- Added Card and PIN schedule configuration Central Mode. If enabled, the Group/Schedule/Holiday could only be synchronized from the Central of the GDS Manager
- Added LDC Ratio Control and Adjustment
- Expanded the range of Ring timeout
- Added option to disable Auto Answer
- Updated the “DingDong” tone when doorbell pressed
- Added function to check the default value
- Added Factory Reset via special procedures. Details please refer to updated User Manual
- Added file upload and download (card information, configuration etc.) can be executed after authentication
- Added enforcement that when admin password is changed via WebGUI, user has to fill in a Valid Email Account to retrieve the email before the new admin password taking effect

## IMPORTANT UPGRADING NOTE

- ***Once upgraded to 1.0.2.x firmware, downgrading to 1.0.1.x or lower firmware version is NOT supported.***
- ***Factory Reset is recommended after upgrading from 1.0.1.x to 1.0.2.x.***
- ***Please backup data before performing factory reset then restore the data***



---

---

## GRANDSTREAM NETWORKS

Firmware Release Notes: **Version 1.0.2.13**

Product Model: **GDS3710**

(HW Supported: 1.2A, 1.3A, 1.3B, 1.5A, 1.6A)

Date: June 26, 2017

### IMPORTANT UPGRADING NOTE

- **Once upgraded to 1.0.2.x firmware, downgrading to 1.0.1.x or lower firmware version is NOT supported.**
- **Factory Reset is recommended after upgrading from 1.0.1.x to 1.0.2.x.**
- **Please backup data before performing factory reset then restore the data**

### SUMMARY OF UPDATES

The main purpose of this release is bug fixes and feature enhancement.

### CHANGES SINCE FIRMWARE RELEASE 1.0.2.9

#### BUG FIXES

- Fixed reload data is invalid.
- Fixed privacy mask may not work when adjusting CMOS video settings
- Fixed the initialization of DO causing short pulse when power up the device.
- Fixed webGUI may lose access when switching audio codecs.
- Fixed after getting IP address, the webGUI may not be accessible immediately.
- Fixed adjusting Mode, LED and Power Frequency settings may cause abnormal shutter speed.
- Fixed the display error of time zone.
- Fixed P value not working for enable DTMF Open Door.

#### ENHANCEMENTS

- Supported **ONVIF Profile S**
- Added "**Privacy Mask**" support in Motion Detection Setting
- Updated OCX plugin engine to Version 3.1.0.74
- Added DTMF Open Door control option in WebGUI
- Supported HTTP API
- Optimized HTTP API for Card Management
- Added "enable blue doorbell light" option in the webGUI
- Added switch on the doorbell blue light by configured time period of the day.
- Implemented "Silent Alarm" mode
- Added HTTP API for getting snapshots and streams.
- Removed the size limit of load kernel

---

Firmware Release Notes: **Version 1.0.2.9**

Product Model: **GDS3710**

(HW Supported: 1.2A, 1.3A, 1.3B, 1.5A, 1.6A)

Date: June 1<sup>st</sup>, 2017

### IMPORTANT UPGRADING NOTE

- **Once upgraded to 1.0.2.x firmware, downgrading to 1.0.1.x or lower firmware version is NOT supported.**
- **Factory Reset is recommended after upgrading from 1.0.1.x to 1.0.2.x.**
- **Please backup data before performing factory reset then restore the data**

### SUMMARY OF UPDATES

The main purpose of this release is bug fixes to response to market feedback.

### CHANGES SINCE FIRMWARE RELEASE 1.0.2.5

#### BUG FIXES

- Fixed exporting file P value issue with Motion Detection data.
- Fixed changing the SSH port, it can be saved but cannot be accessed.
- Fixed device falling into reboot loop when failing to obtain IP address from network.
- Fixed ONVIF implementation causes automatic reboot due to memory leak.
- Fixed the initialization of DO causing short pulse when power up the device.
- Fixed back light and ring light issue when device rebooted.

#### ENHANCEMENTS

- Corrected errors in local PIN type tool tips.
- Add back DTMF Open Door as optional choice, with user acknowledging the security risk.
- Revised "Alarm Output Duration(s)" choice option as 5/10/15/20/25/30 seconds.

=====

Firmware Release Notes: **Version 1.0.2.5**

Product Model: **GDS3710**

(HW Supported: 1.2A, 1.3A, 1.3B, 1.5A, 1.6A)

Date: May 18, 2017

## IMPORTANT UPGRADING NOTE

- **Once upgraded to 1.0.2.x firmware, downgrading to 1.0.1.x or lower firmware version is NOT supported.**
- **Factory Reset is recommended after upgrading from 1.0.1.x to 1.0.2.x.**
- **Please backup data before performing factory reset then restore the data**

## SUMMARY OF UPDATES

This firmware version is a major update, with lots of bug fixes and feature enhancement

## CHANGES SINCE FIRMWARE RELEASE 1.0.1.19

### BUG FIXES

- Fixed web port and RTSP port not correct.
- Fixed exported system configuration data cannot be imported successfully.
- Fixed illegal or special characters can be saved into card number.
- Fixed non-digit characters can be saved into open door PIN field.
- Fixed abusively pressing keypad could make the key tone distorted and blue LED lighted abnormally.
- Fixed capture image not working when configured as "Card & Private PIN Mode".
- Fixed exported configuration file without speaker volume, key tone volume and doorbell volume.
- Fixed Motion Detection selected region failed to be restored when exported.
- Fixed Option 66 feature not working.
- Fixed duplicated RFID card number can be added without prompt.
- Fixed the shutter speed not adjustable issue.
- Fixed failed test cases for ANATEL certification
- Fixed issue in peered IP Calling.
- Fixed P value cannot be written if the shutter speed is 1/5000.
- Fixed GDS3710 reboot cycle if P value is imported to the device incorrectly.
- Fixed firmware upgrade process could cause device to be automatically factory reset.
- Fixed Motion Detection sometimes abnormal issue.
- Fixed switching HTTPS to HTTP the port remain the same issue.
- Fixed cannot call GDS3710 via a number when peered with another device via IP.

## ENHANCEMENTS

- Added folder creation and file arrangement if multiple GDS3710s are uploading snapshots to FTP server.
- Improved the password prompt wording.
- Added DTMF audio playing when key be pressed.
- Separated volume control in webGUI.
- Added “Audio, Snapshot, Recording and File Path Saved” operation with icons at Live View webpage.
- Added “show password” feature when the eye icon be clicked in the webGUI.
- Added prompt popup message when capture button clicked.
- Use different email title to separate the Motion Detection and Temperature Out of the Range alarm.
- Set initial value of “0” for Virtual Number and SIP number if user leaving the field empty.
- Added support open door remotely via GDS Manager utility (after GDS Manager version 1.0.0.78)
- Supported GXP color phone JPEG\_Over\_HTTP support with encryption and authentication.
- Added SSH support with default TCP port 22, obsolete TELNET.
- Added GS\_Wave (Android/iOS) Application support for Open Door.
- Added PING function in SSH CLI interface.
- Enhanced webGUI login process and added random default password.
- Enhance security by disable the DTMF to open door
- Disabled WDR Mode (temporarily, will enable once the pink color bug fixed)
- Added support of sending DTMF tone in SIP calling (RFC2833, SIP INFO)

---

---

## GRANDSTREAM NETWORKS

Firmware Release Notes: **Version 1.0.1.19**

Product Model: **GDS3710**

*(HW Supported: 1.2A, 1.3A, 1.3B, 1.5A)*

Date: *March 06, 2017*

### SUMMARY OF UPDATES

The main purpose of this release is bug fix and feature enhancement since \$1 Beta

### CHANGES SINCE FIRMWARE RELEASE 1.0.1.11

#### BUG FIXES

- Fixed device still have sound when volume set to 0
- Fixed AEC may fail sometimes at some special audio scenarios.
- Fixed HTTP Upgrade request the user-agent does not contain device name, hardware version and software version information for provisioning.
- Fixed press door bell will hand up alarming phone call.
- Fixed web port changing from 443 to 80, HTTPS cannot be accessed.
- Fixed no P value for shutter speed and interval of swiping card.
- Fixed click the UPnP cannot access the web interface.
- Fixed email setting page prompting error after clicking "Save".
- Fixed open door operation will clear all the pending calls, leave ongoing call untouched.
- Fixed configuration data cannot be imported normally.
- Fixed alarm email with abnormal name.
- Fixed no prompt tone when guest not input PIN in the required time window.
- Fixed input the wrong PIN, then correct PIN, the device will not open door.
- Fixed the RTSP value range, should be set to 554-65535.
- Fixed the snapshot filename different in FTP and Email.
- Fixed guest PIN and Private PIN confliction issue.
- Fixed DHCP OPTION66 not working problem.
- Fixed alarm snapshot cannot be uploaded to the central storage server.
- Fixed open door via PIN the equipment log sometime not match the record.
- Fixed the web port and RTSP port is not correct
- Fixed Guest PIN open door issue.

## ENHANCEMENTS

- Added a button to view the password entered.
- Added “Guest Mode” for access control.
- Corrected some typo and wording reported.
- Added option to enable SIP extension call by dialing keypad directly.
- Removed the startup audio.
- Added OSD information into the alarm message title.
- Added RFIC card and Private PIN double authentication to improve the open door security.
- Added challenge-response algorithm to open door.
- Improved FTP snapshot filename by adding MAC address and event type.
- Update and improved G.722 AEC parameters.
- Reduced alarm email and attachment.
- Added function to allow all passwords been imported.
- Started one firmware file support from this version.
- Limited the remote PIN to open door to be pure digits only with maximum length of 8.
- Limited the maximum length of login password to be 32 characters.