Grandstream Networks, Inc.

GDS Manager User Manual

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DOCUMENT PURPOSE

This document describes the basic concept and tasks necessary to use and configure your GDS Manager. In addition, it covers the topic of connecting and configuring the GDS Manager with the GDS3710.

Please visit http://www.grandstream.com/support to download the latest “GDS Manager User Manual”.

This guide covers following topics:

- Welcome
- Getting to Know GDS Manager
- GDS Manager Applications
- Experiencing the GDS Manager

CHANGE LOG

This section documents significant changes from previous versions of user manual for GDS Manager. Only major new features or major document updates are listed here. Minor updates for corrections or editing are not documented here.

Software Version 1.0.0.75

- This is the initial version for the GDS Manager.

WELCOME

Thank you for purchasing Grandstream's GDS3710 Hemispheric HD IP Video Door System, an innovative IP based powerful video door system.

GDS3710 HD IP Video Door System is a hemispheric IP video door phone and a high-definition IP surveillance. GDS3710 is ideal for monitoring from wall to wall without blind spots. Powered by an advanced Image Sensor Processor (ISP) and state of the art image algorithms, it delivers exceptional performance in all lighting conditions. The GDS3710 IP video door system features industry-leading SIP/VoIP for 2-way audio and video streaming to smart phones and SIP phones. It contains integrated PoE, LEDs, HD loudspeaker, RFID card reader, motion detector, lighting control switch and more.

GDS3710 HD IP Video Door System can be managed by Grandstream's free window based management software: GDS Manager Software, a client/server based software, which provides RFID card management and basic reports for the door entrance.

Along with Grandstream videophone, mobile Apps, and Network Video Recorder (NVR), the GDS3710 provides a powerful recording and monitoring solution. It can be managed with GSURF Pro or any ONVIF-compliant video management system. It also offers a flexible HTTP API for easy integration with 3rd party applications and other surveillance systems.

GDS3710 is ideal for entry places required wide angle monitoring, such as banks, hotels, schools, office building, retail stores and small warehouses, also good for small to median sized enclosed environments.

GETTING TO KNOW GDS MANAGER

The GDS Manager is a management software for the GDS3710 based on a Server/Client architecture, providing RFID card management, basic reports for door entrance and attendance management.

The GDS Manager is a client–server model, which is a distributed application structure that partitions tasks or workloads between the providers of a resource or service, called **Server**, and service requesters, called **Client**.

Often clients and servers communicate over a computer network on separate hardware, but both client and server may reside in the same system. A server host runs one or more server programs that share their resources with clients. A client does not share any of its resources, but requests a server's content or service function.

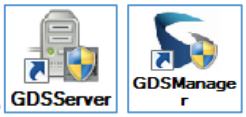
Clients therefore initiate communication sessions with servers that await incoming requests. Examples of computer applications that use the client–server model are Email, network printing, and the World Wide Web.

Download and Install GDS Manager

Users need to download the GDS Manager from the following link:

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

1. Click on

to start installing the GDS Manager.
2. Follow instructions in order to complete installation.
3. After installation is successful, the following icons will be shown on the Desktop 

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Connecting to the GDS Manager

Starting GDS Server

Double click on the GDS Server in order to listen to new client connections. The following icon will be shown on the taskbar right click on it, will bring the server options as shown below.

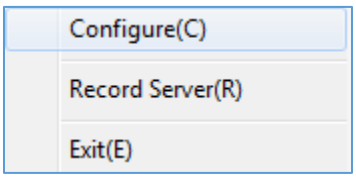


Figure 1: GDS Server Options

1. **Configure**: Click to display a window showing Listening IP and Port of the server as well as an option to start the server with the operating system and a button for starting the record server as shown below:

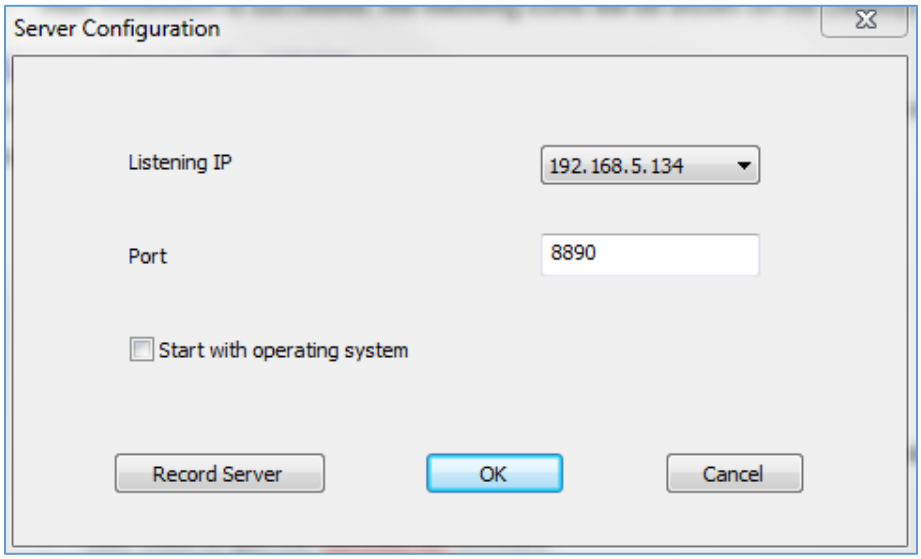


Figure 2: Server Configuration

2. **Record Server**: Start an FTP server to save pictures uploaded by the GDS3710.
3. **Exit**: Click to quit the GDS Server software.

Starting GDS Manager

The GDS Manager is the client part of the software, which will allow interaction with the GDS3710 through the GDS Server.

To start the GDS Manager follow steps below:

1. Double click on the GDS Manager and the following window will popup:

Figure 3: GDS Manager Login Page

- **Address:** Enter the IP address or domain of the GDS Server machine.
- **Port:** Enter the listening port of the GDS Server.
- **User Name:** Enter the user name to connect to the GDS Manager, by default its **admin**.
- **Password:** Enter the password to connect to the GDS Manager, by default its **admin**.

2. Click Login and the following confirmation window will popup:

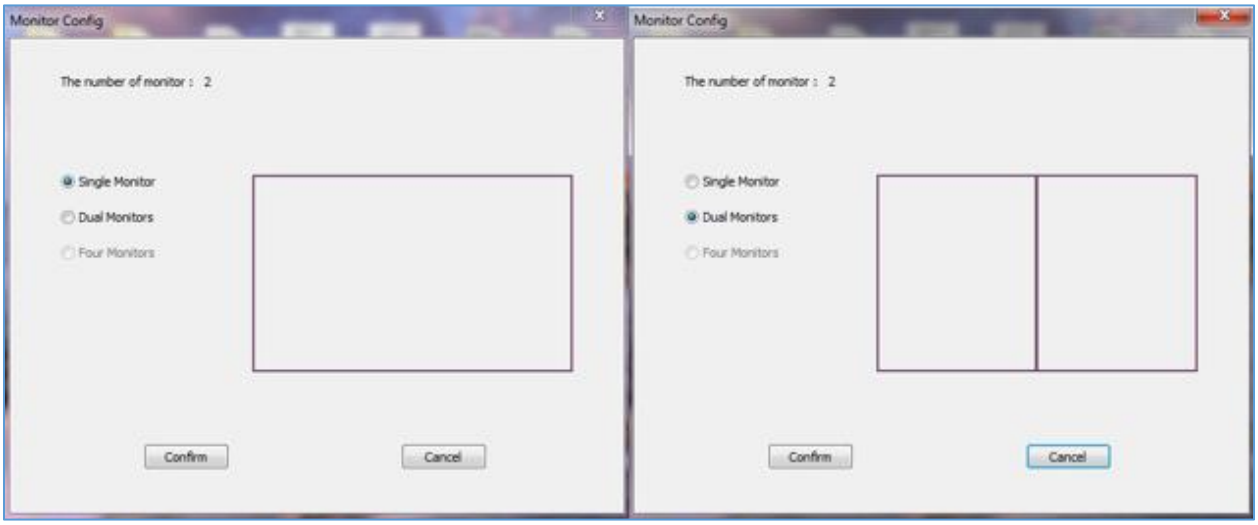


Figure 4: Monitor Configuration

- Select **Single Monitor** or **Dual Monitor** to display the GDS Manager on single screen or two screens respectively.
- Click Confirm to start the GDS Manager.

Note:

GDS Manager can be connected to a GDS Server on the same LAN or a cross the WAN, enter the Public or private IP of the GDS Server on the GDS Manager to connect.

GDS MANAGER APPLICATIONS

Basic Information

Administrator

The administrator sub-menu allows the admin to change its password and/or create new users.

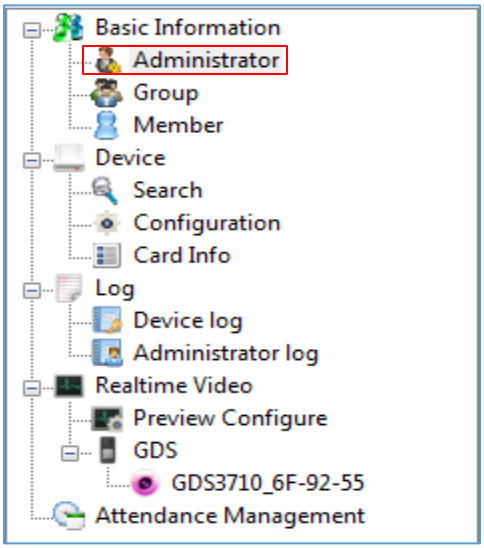


Figure 5: Administrator

Click on the "**Administrator**" icon to display the following window.

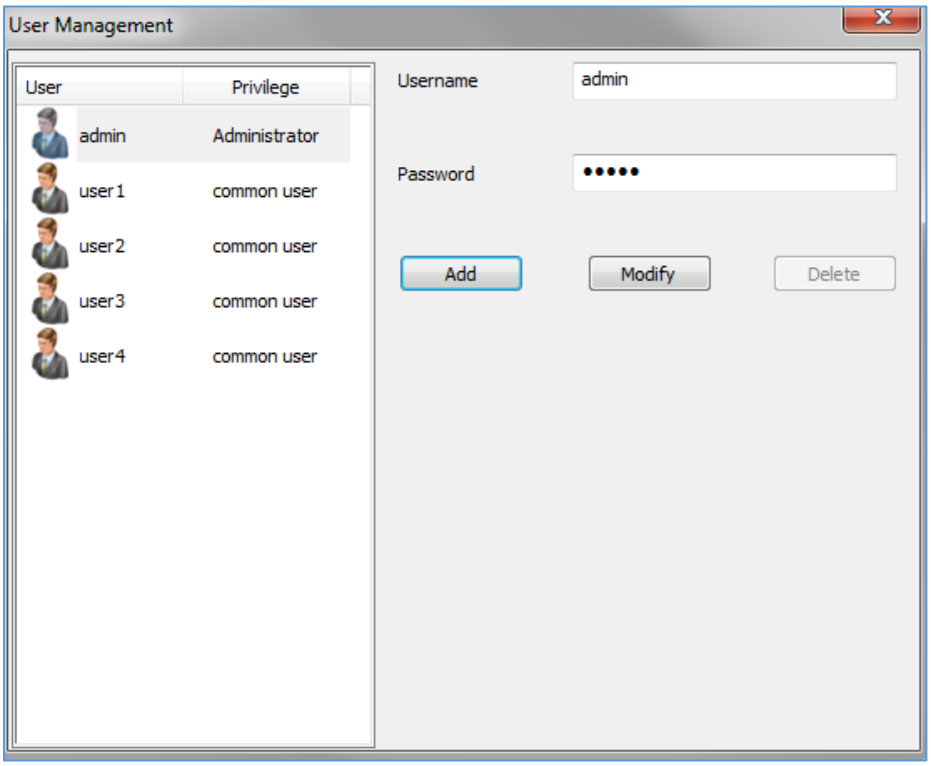


Figure 6: User Management

To change the admin password set the following:

- Enter a new password and click on Modify.

To create a new user, follow below steps:

1. Enter a user name.
2. Enter a password.
3. Click on Add.

Note: Administrator will have access to all sub-menus on the GDS Manager while user account will have access to the following.

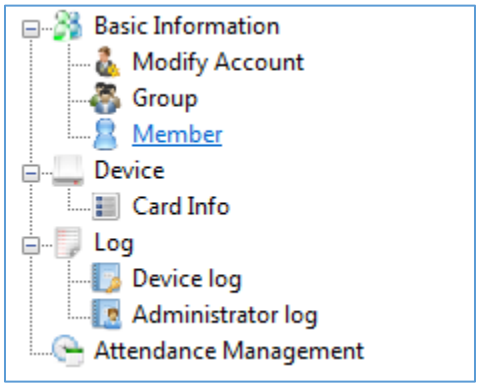


Figure 7: User Level Access

Group

Admin can create groups and sub-groups to separate users, this can be done by following those steps:

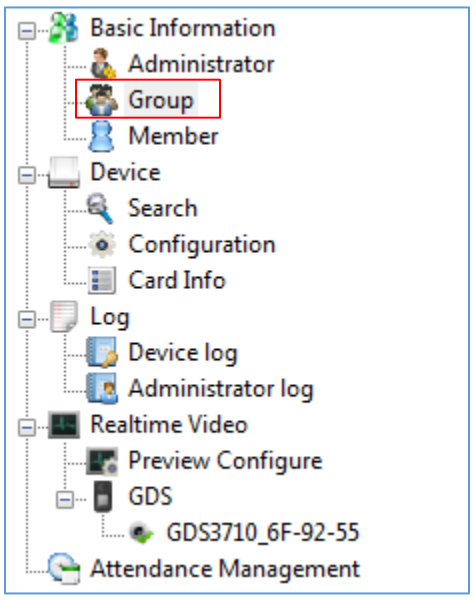


Figure 8: Groups

1. Click on “**Add Group**” as shown below.

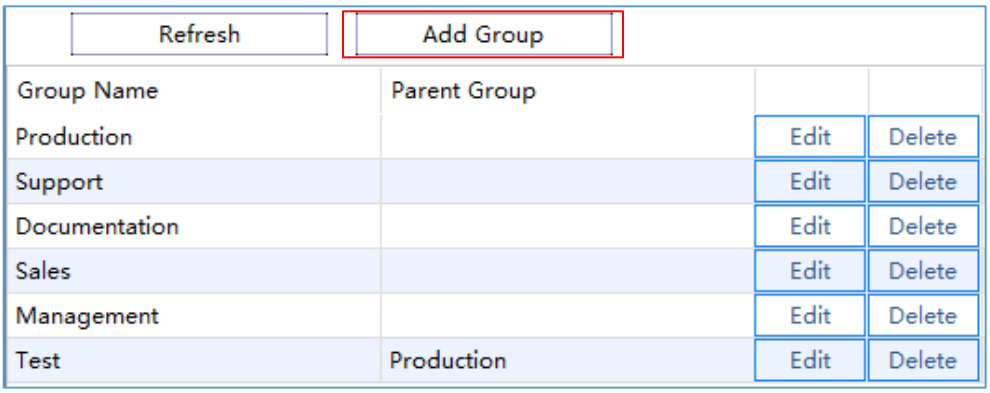


Figure 9: Add Groups

2. Enter the “**Group Name**” and “**Parent Group Name**” if parent group is needed.

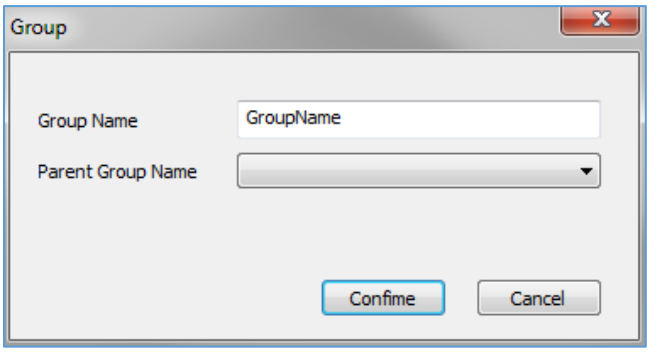


Figure 10: Group Name

3. Click on “Confirm” to add the group.

Member

Admin can manage users from **Member** menu, he/she can add/delete/synchronize data with the GDS3710 and search for a user.

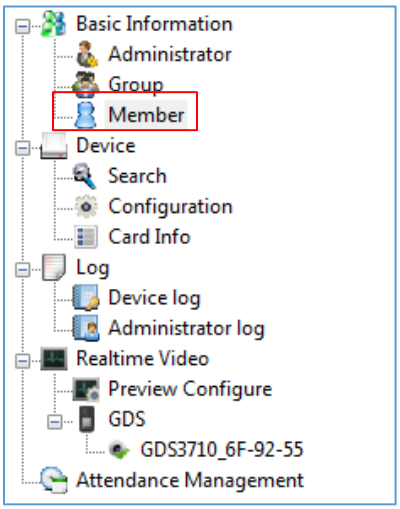


Figure 11: Member

1. Click on Add a new Member in order to add a new user, the following window will pop up to enter user's specific information.

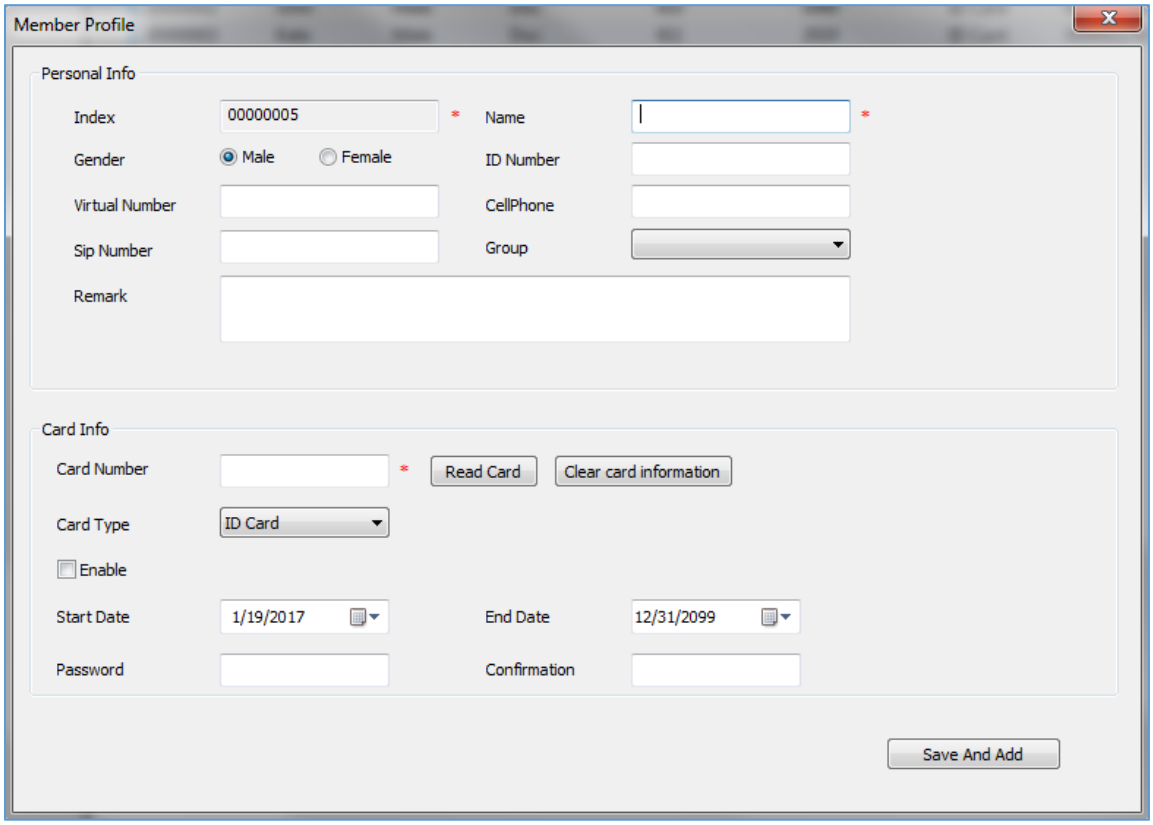
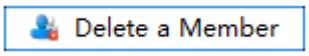


Figure 12: Member Profile

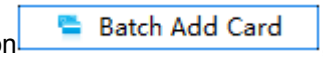
Table 1: Member Profile

Field	Description
Index	Filed automatically generated by the GDS Manager indicating the number of created users.
Name	Enter the user name.
Gender	Enter the user gender, Male or Female.
ID Number	ID number is a unique number to identify a user.
Virtual Number	When dialing directly from the keypad, the GDS accept only Virtual number to identify a user, once the Virtual number is typed followed by **#** key, the Sip Number will be dialed.
Cell Phone	Enter the cell phone number of the user.
SIP Number	The SIP Number is mapped with virtual number, once the virtual number is dialed the GDS3710 will send an INVITE to the SIP Number.
Group	Enter the group where the user belongs.
Remark	Enter some remarks regarding the current user.
Card Number	Enter the RFID Card number (this is the number written on the RFID card).

Read Card	Click Read Card, then sweep RFID card on the USB card reader to read the number registered on the RFID card.
Clear Card Information	Click on this option to delete the card information.
Enable	Click on this filed to enable this user.
Start Date	Enter date when the card will start be active.
End Date	Enter date when the card will end being active.
Password	Enter the user password.
Confirmation	Confirm the user password.

2. Select a user and click on 

in order to delete the selected entry.

3. Click on 

, the following window will pop up.

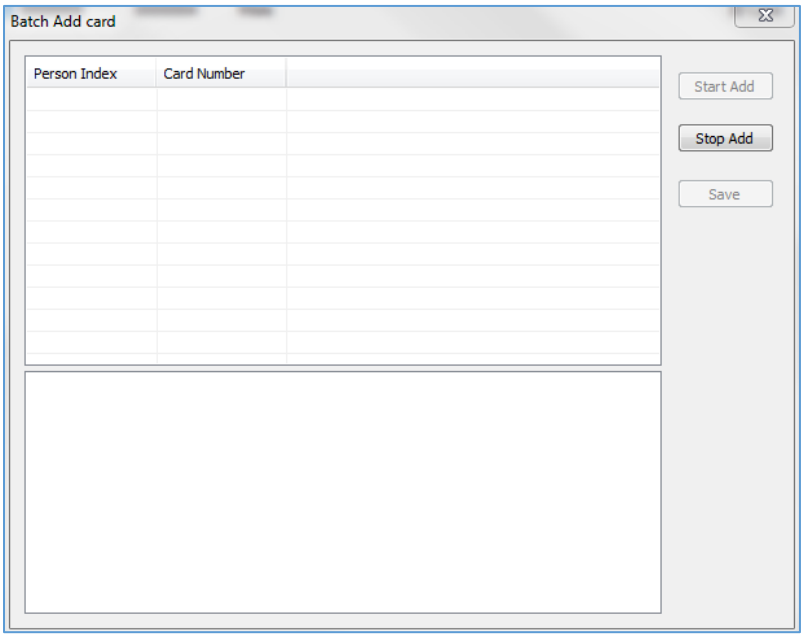


Figure 13: Batch Add Card

a. Plug the USB Card Reader that can be purchased from Grandstream as shown below.

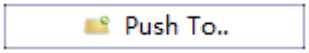
Figure 14: USB Card Reader

b. Click on “Start Add”.

c. Start swiping RFID cards, and the (“Person Index”, ”Card Number”) fields will be incremented.

d. Click on “Stop Add” once finished adding new cards.

e. Click on “Save” to save the added cards.

4. Select a record and click on 

to copy the selected user to the GDS3710.

5. Select a batch of users, which will have the same configuration, and then click on

, the following window will pop up.

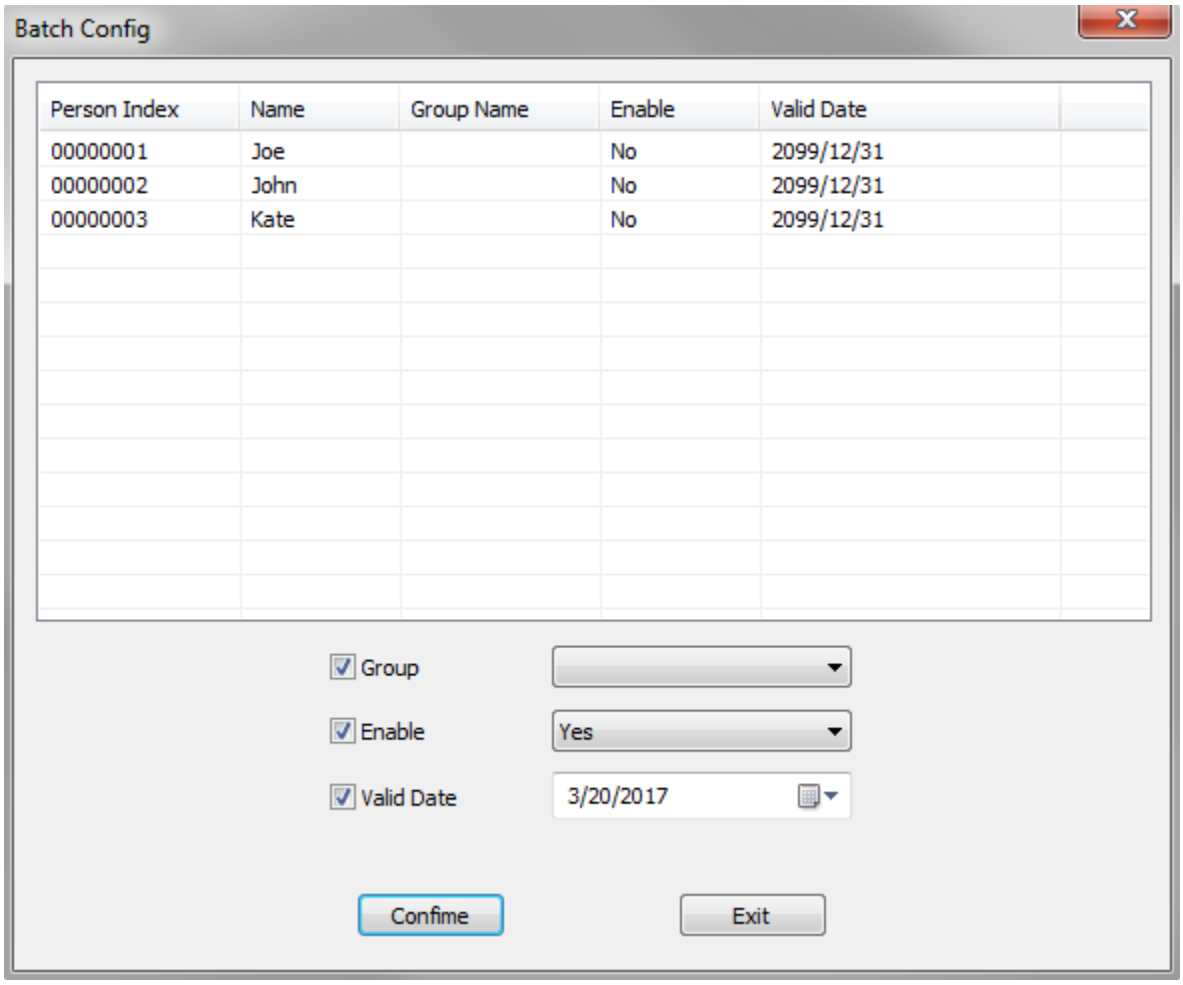


Figure 15: Batch Config

a. Check the “**Group**” checkbox and select the Group to apply to all users.

b. Check the “**Enable**” checkbox to enable the users.

c. Check the “**Valid Date**” checkbox to set a validity date for all users.

6. Select users whose configuration need to be saved, then click on

, the following window will pop up.

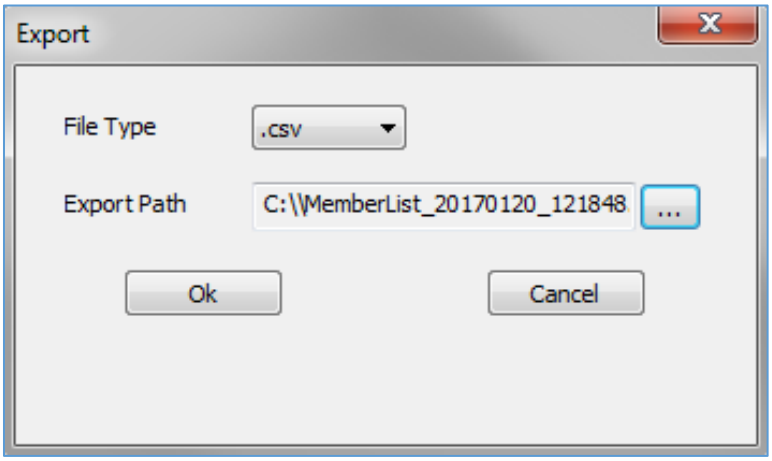


Figure 16: Export

   a. Click on

, to browse directories where to store the users' data.

   b. Click "OK" to save the data.

7. Users can search for members using the search bar to filter with different methods:
   - Person Index
   - Name
   - Group Name
   - SIP Number
   - Card Number

Figure 17: Search Members

Device

This sub menu allow users to make device configuration.

Search

Click on "Search" to perform a search for all GDS3710 available in the local network, the following window will be shown.

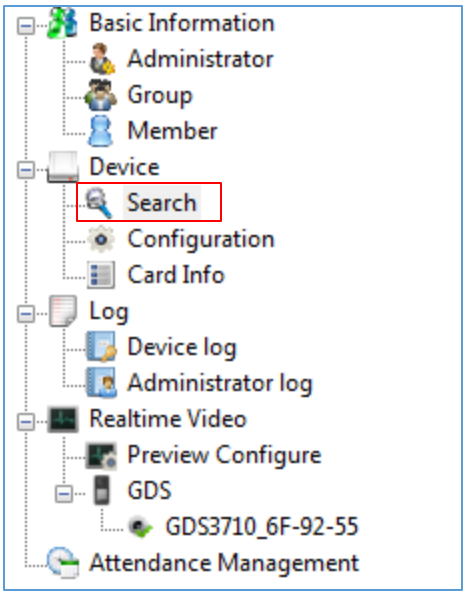


Figure 18: Search

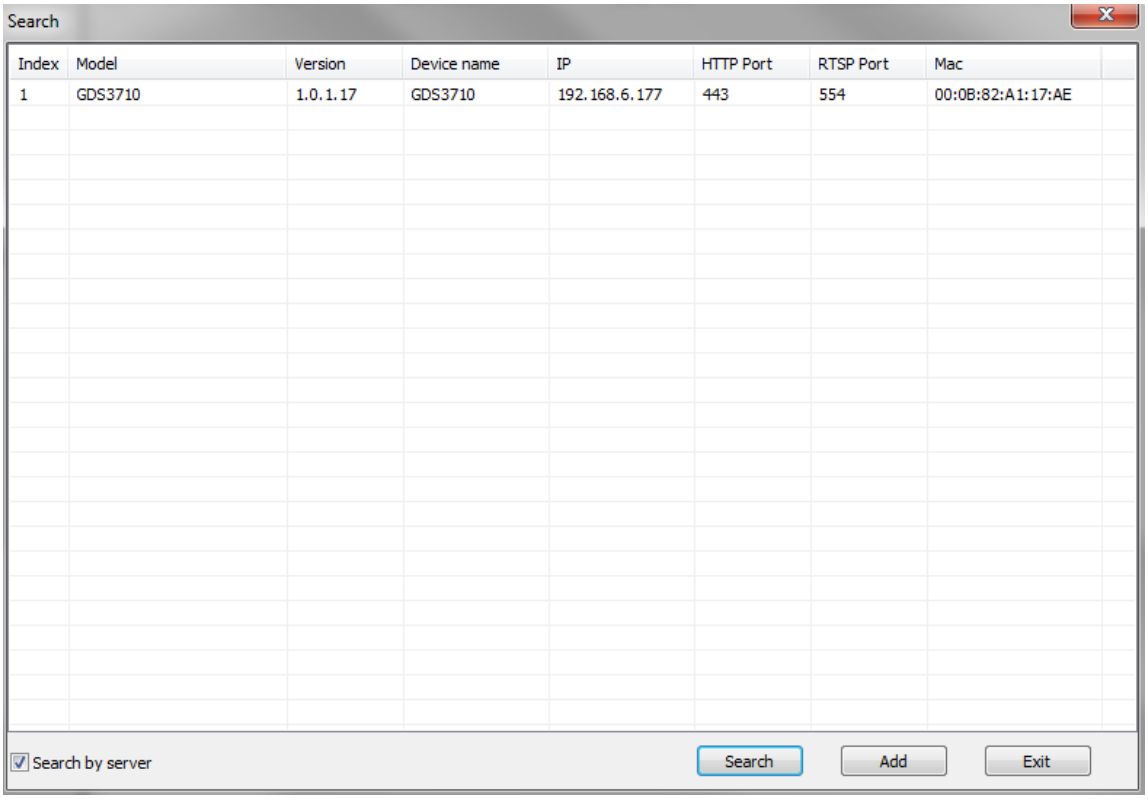


Figure 19: Search Window

1. Click "**Search**" to search for available GDSs
2. Select a GDS3710 and click on "**Add**" to start configuring selected GDS3710 from GDS Manager.
3. Click "**Exit**" to quit the search window.

Configuration

Configuration menu allow users to add manually available GDS3710 devices on the network to the GDS Manager.

1. Click on “Configuration” and the following window will pop up.

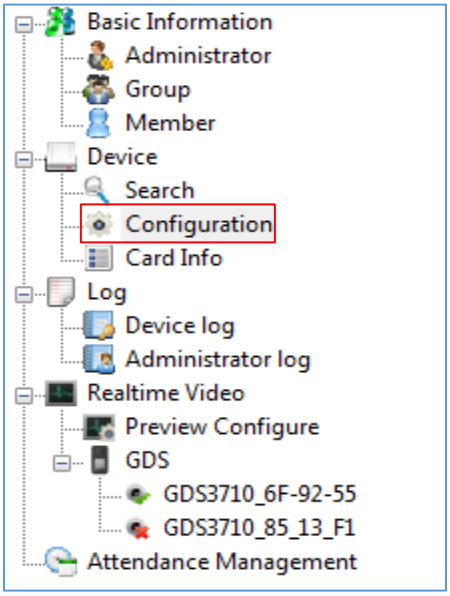


Figure 20: Configuration

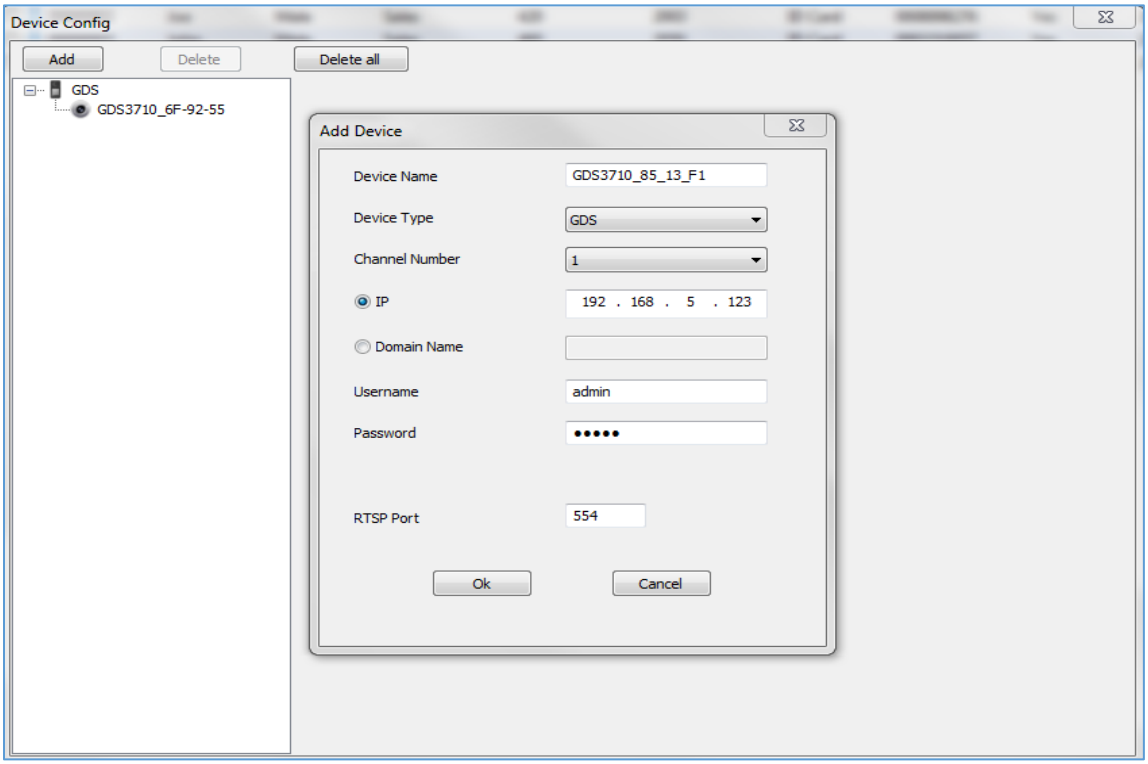


Figure 21: Device Config

2. Click on “Add” to add devices.
3. Enter the “Device Name”, “IP” or “Domain Name” and “User/pass” as well as the RTSP port.

4. Click “Ok” to add the new device.
5. Select a device and click on “Delete” to delete the selected device.
6. Click on “Delete all” to delete all the available devices.

Card Info

Click on “Card Info” to copy card information stored on the GDS3710 to the GDS Manager.

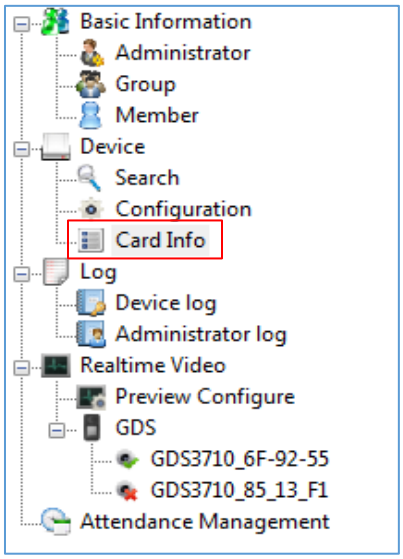


Figure 22: Card Info

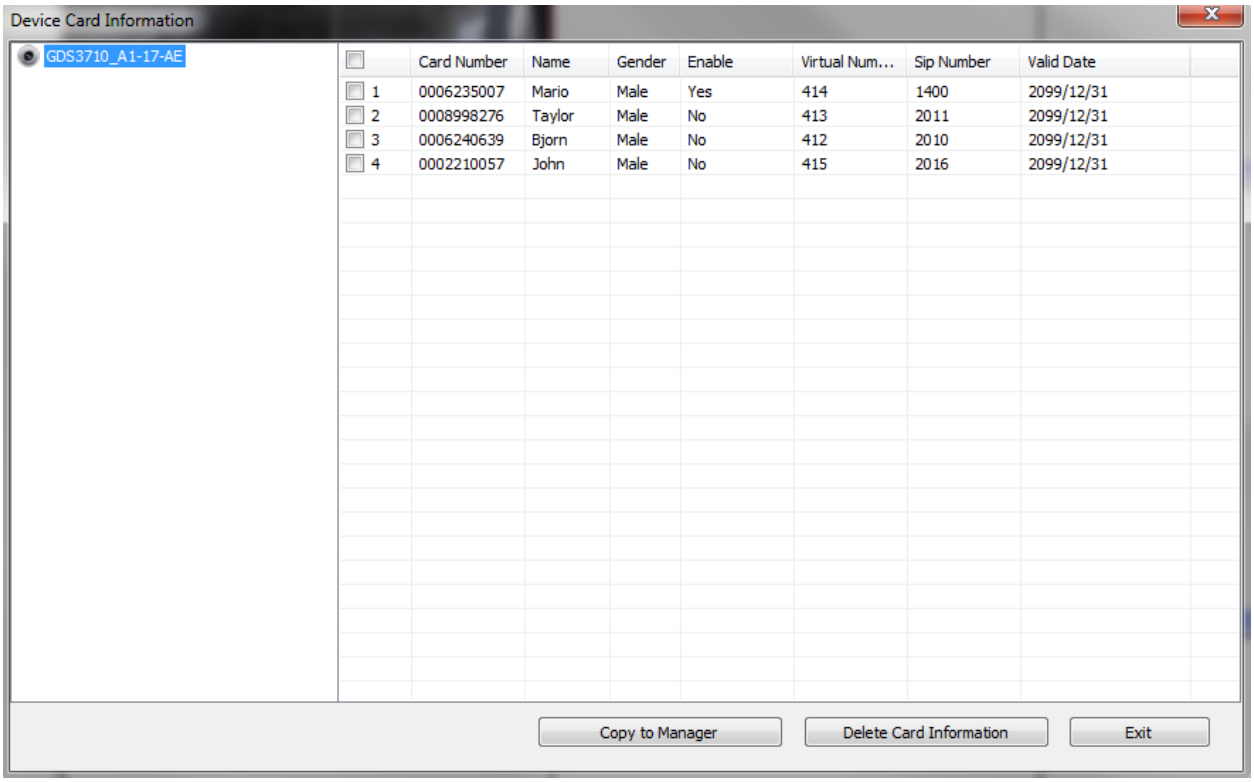


Figure 23: Device Card Information

1. Select User to be added to the GDS Manager, then click on “Copy to Manager”.
2. Select User to deleted from the GDS3710, then click on “Delete Card Information”.
3. Click on “Exit” to quit the device card menu.

Log

This sub-menu provides access to GDS3710 and GDS Manager logs.

Device Log

Click on “Device Log” to retrieve logs of GDS3710 operations.

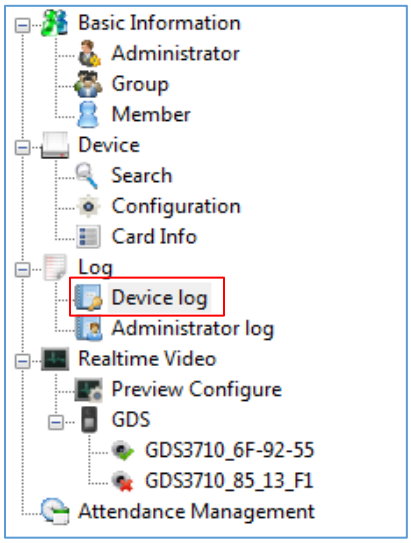
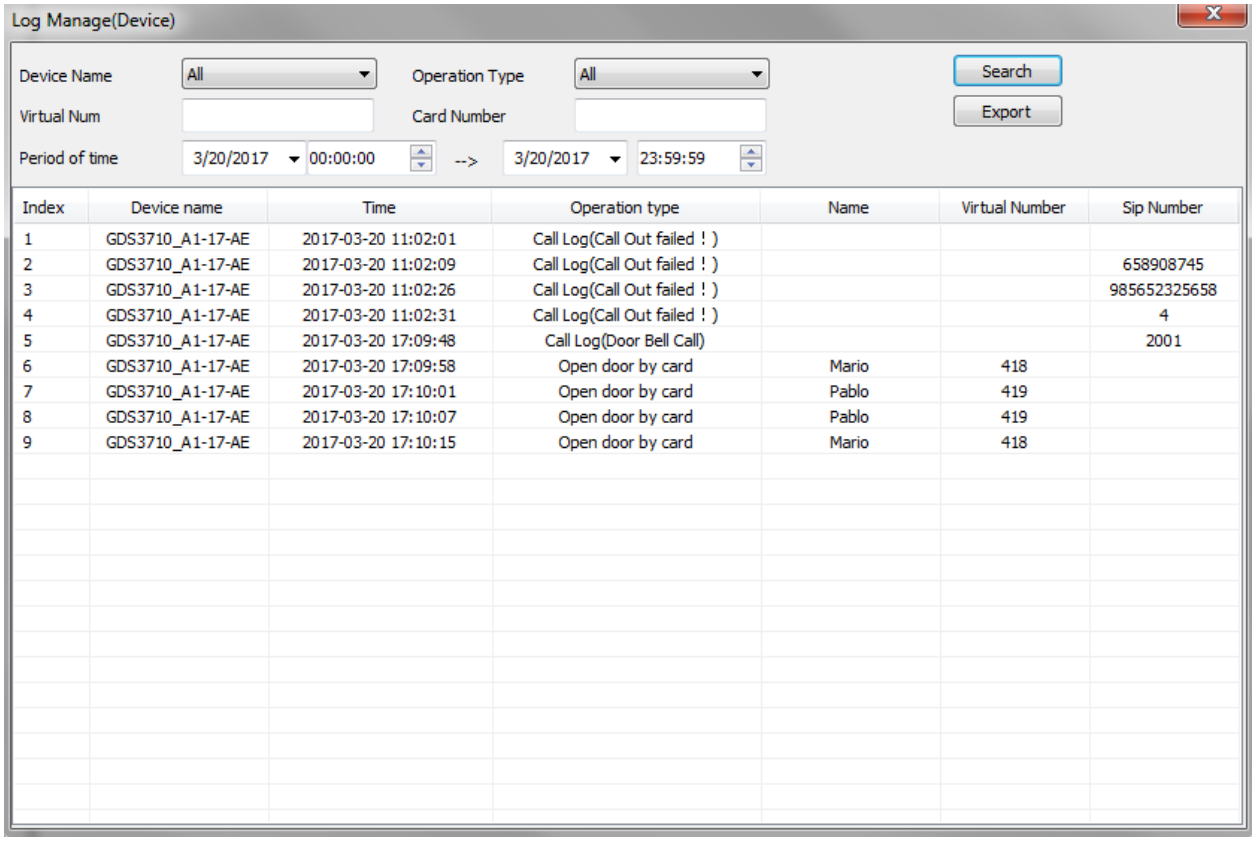


Figure 24: Device Log

The following window will be shown to filter logs.



Index	Device name	Time	Operation type	Name	Virtual Number	Sip Number
1	GDS3710_A1-17-AE	2017-03-20 11:02:01	Call Log(Call Out failed !)			
2	GDS3710_A1-17-AE	2017-03-20 11:02:09	Call Log(Call Out failed !)			658908745
3	GDS3710_A1-17-AE	2017-03-20 11:02:26	Call Log(Call Out failed !)			985652325658
4	GDS3710_A1-17-AE	2017-03-20 11:02:31	Call Log(Call Out failed !)			4
5	GDS3710_A1-17-AE	2017-03-20 17:09:48	Call Log(Door Bell Call)			2001
6	GDS3710_A1-17-AE	2017-03-20 17:09:58	Open door by card	Mario	418	
7	GDS3710_A1-17-AE	2017-03-20 17:10:01	Open door by card	Pablo	419	
8	GDS3710_A1-17-AE	2017-03-20 17:10:07	Open door by card	Pablo	419	
9	GDS3710_A1-17-AE	2017-03-20 17:10:15	Open door by card	Mario	418	

Figure 25: Log Management Device

1. Filter can be done using 5 methods:
   - **Device Name:** Select the device name from the drop-down list.
   - **Operation Type:** 10 operations are available to filter with.
     - ***All***: Display all available logs.
     - ***Visiting Log***: Display logs related to visiting logs
     - ***Open Door by Card***: Display logs related to opening door by RFID card.
     - ***Open Door by Password:*** Display logs related to opening door by password.
     - ***Open Door by DI***: Display logs related to opening door via digit input.
     - ***Call Log:*** Display logs related to call logs.
     - ***Motion Detection:*** Display logs related to motion detection.
     - ***Probe Alarm:*** Display logs related to probe alarm.
     - ***Dismantle by Force:*** Display logs related to dismantle by force (GDS3710 will trigger alarms set on "Tamper alarm" when trying to remove GDS from the installation bracket).
     - ***Hostage Alarm:*** Display logs related to hostage alarm (GDS3710 will trigger alarms set on hostage alarm when users enter password on the GDS3710 keypad on an urgent situation).
   - **Virtual Number:** Enter the Virtual Number of the user to filer with.

- **Card Number:** Enter the Card Number of the user to filer with.
- **Period of time:** Select the period of time

2. Click “Search” in order to start searching for logs according to search criteria.
3. Click on “Export” to export displayed logs.

Administrator Log

Click on “Administrator log” to retrieve logs of GDS Manager operations.

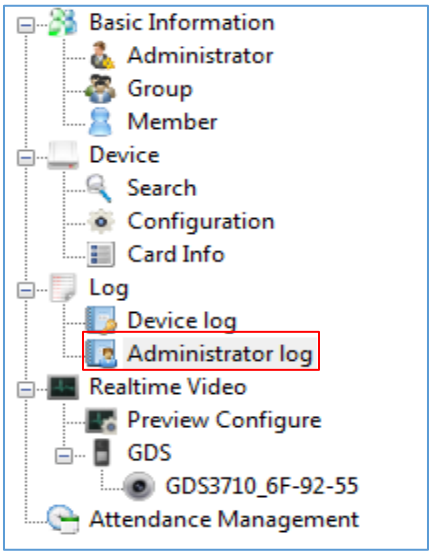
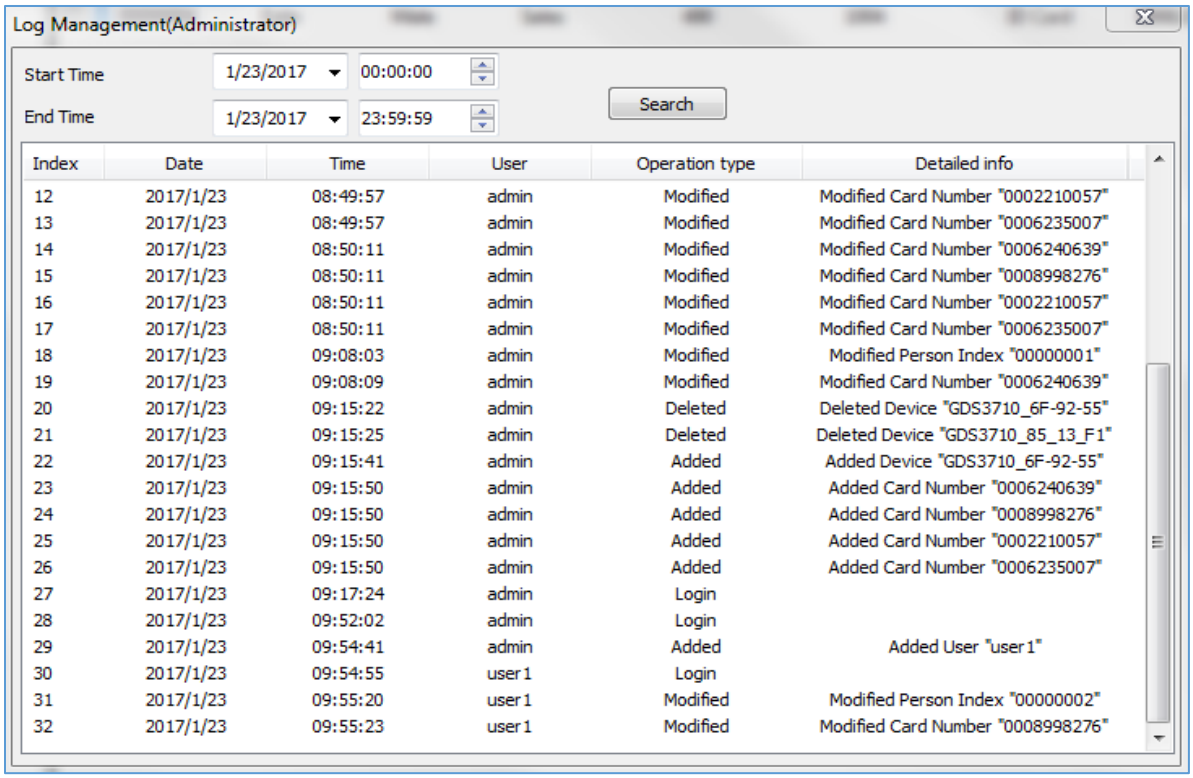


Figure 26: Administrator Log

The following window will be shown to search for GDS Manager logs.



Index	Date	Time	User	Operation type	Detailed info
12	2017/1/23	08:49:57	admin	Modified	Modified Card Number "0002210057"
13	2017/1/23	08:49:57	admin	Modified	Modified Card Number "0006235007"
14	2017/1/23	08:50:11	admin	Modified	Modified Card Number "0006240639"
15	2017/1/23	08:50:11	admin	Modified	Modified Card Number "0008998276"
16	2017/1/23	08:50:11	admin	Modified	Modified Card Number "0002210057"
17	2017/1/23	08:50:11	admin	Modified	Modified Card Number "0006235007"
18	2017/1/23	09:08:03	admin	Modified	Modified Person Index "00000001"
19	2017/1/23	09:08:09	admin	Modified	Modified Card Number "0006240639"
20	2017/1/23	09:15:22	admin	Deleted	Deleted Device "GDS3710_6F-92-55"
21	2017/1/23	09:15:25	admin	Deleted	Deleted Device "GDS3710_85_13_F1"
22	2017/1/23	09:15:41	admin	Added	Added Device "GDS3710_6F-92-55"
23	2017/1/23	09:15:50	admin	Added	Added Card Number "0006240639"
24	2017/1/23	09:15:50	admin	Added	Added Card Number "0008998276"
25	2017/1/23	09:15:50	admin	Added	Added Card Number "0002210057"
26	2017/1/23	09:15:50	admin	Added	Added Card Number "0006235007"
27	2017/1/23	09:17:24	admin	Login	
28	2017/1/23	09:52:02	admin	Login	
29	2017/1/23	09:54:41	admin	Added	Added User "user1"
30	2017/1/23	09:54:55	user1	Login	
31	2017/1/23	09:55:20	user1	Modified	Modified Person Index "00000002"
32	2017/1/23	09:55:23	user1	Modified	Modified Card Number "0008998276"

Figure 27: Log Management Admin

This window display information logs performed by the GDS Manager, such as login, adding/deleting cards, modifying users, adding/deleting devices…

Realtime Video

Click on “Realtime Video” to list available GDS3710 streams

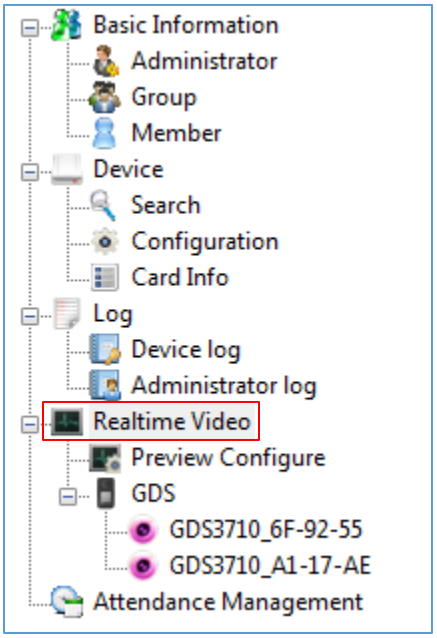


Figure 28: Realtime Video

Users need to add first GDS3710 to the GDS Manager from the “Search” sub menu in order to display stream on the “Realtime Video” menu.

Figure 29: Play GDS3710 Stream

Preview Configure

Click on “Preview Configure” to select the file where to store screenshots taken from the GDS3710.

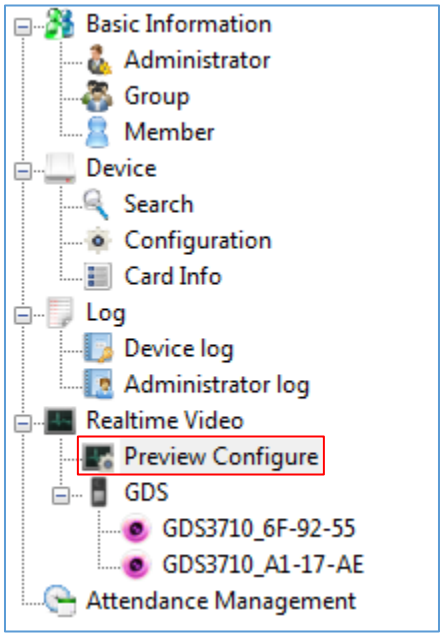


Figure 30: Preview Configure

The following window will pop up to select the directory where to store screenshots taken from the GDS3710.

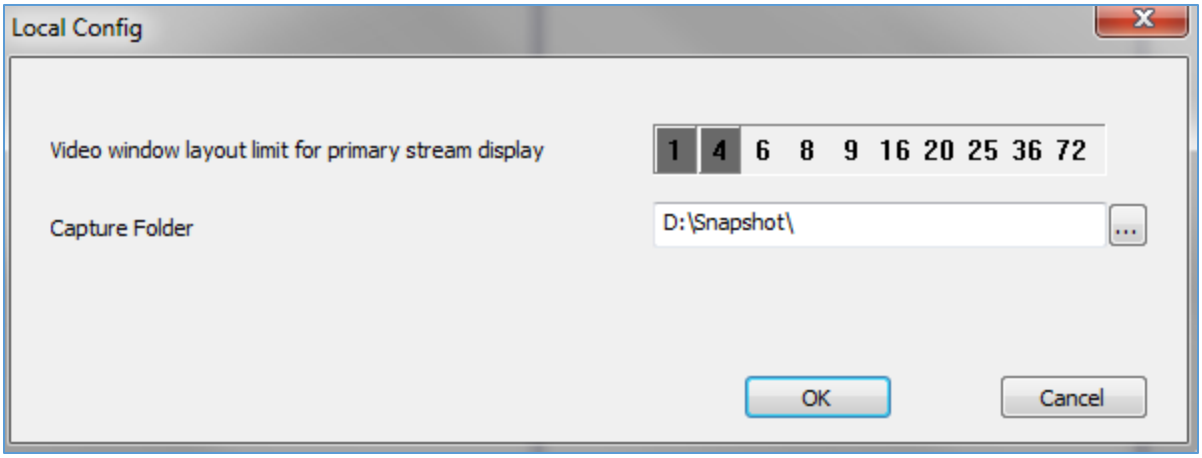


Figure 31: Local Config

GDS

The "GDS" sub-menu displays connected GDS3710 to the GDS Manager added via the "Search" sub menu.

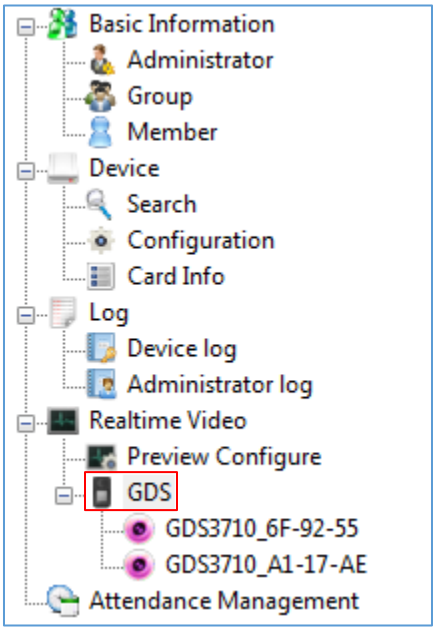


Figure 32: GDS

Attendance Management

The “Attendance Management” sub menu display attendance records, as well as work shift, vacation, and time frame.

Time Frame

Click on Add New Timeframe under “Timeframe” in order to set start and end work time and other time property as shown below.

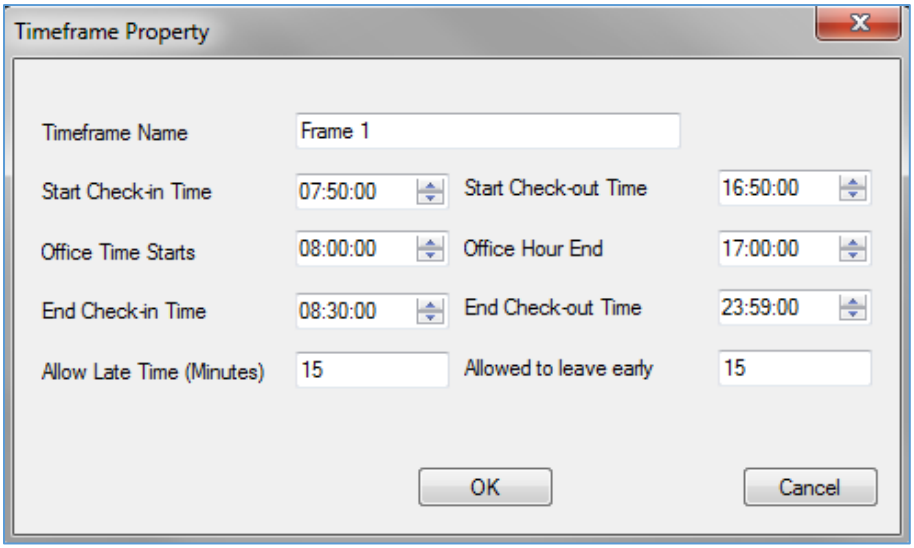


Figure 33: Timeframe Property

Table 2: Timeframe

Field	Description
Timeframe Name	Enter the Time Frame name.
Start Check-in time	Enter time when users are allowed to start check-in.
Start Check-ou time	Enter time when users are allowed to start check-out.
Office Time Starts	Enter office start working time.
Office Hour End	Enter office end working time.
End Check-in Time	Enter end check-in time (no check-in will be accepted after this time).
End Check-out Time	Enter end check-out time (no check-out will be accepted after this time).
Allow Late Time(Minutes)	Enter allowed late time.
Allowed to leave early	Enter allowed leaving early time.

Users can also modify or delete the timeframe by clicking on “Modified”, “Deleted” respectively.

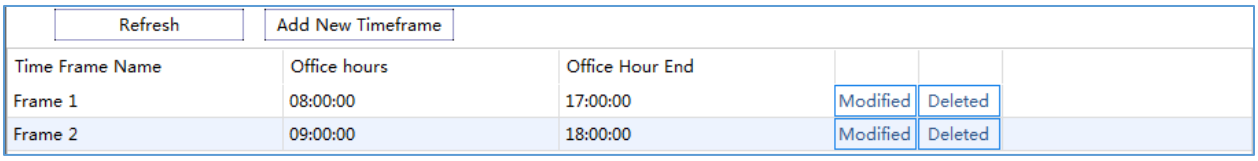


Figure 34: Timeframe

Work Shift

Click on Add New Work Shift under "Work Shift" in order to define work shift schedule to assign it to users. This can be done by completing the following information.

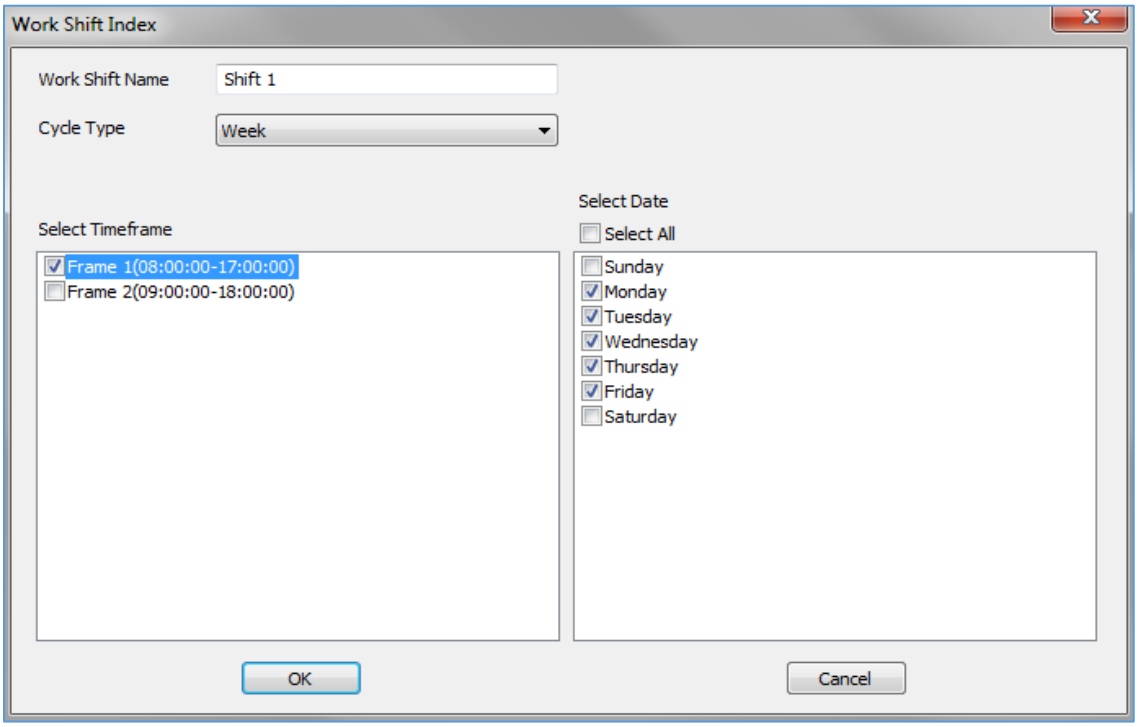


Figure 35: Work Shift Index

Users need to:

1. Set a Work Shift Name.
2. Select a Cycle Type, either weekly or monthly.
3. Select a timeframe.
4. Select days of the shift.

Work Shift Assignment

Click on Add a Assignment under "Work Shift Assignment" in order to assign work shift to users as shown below.

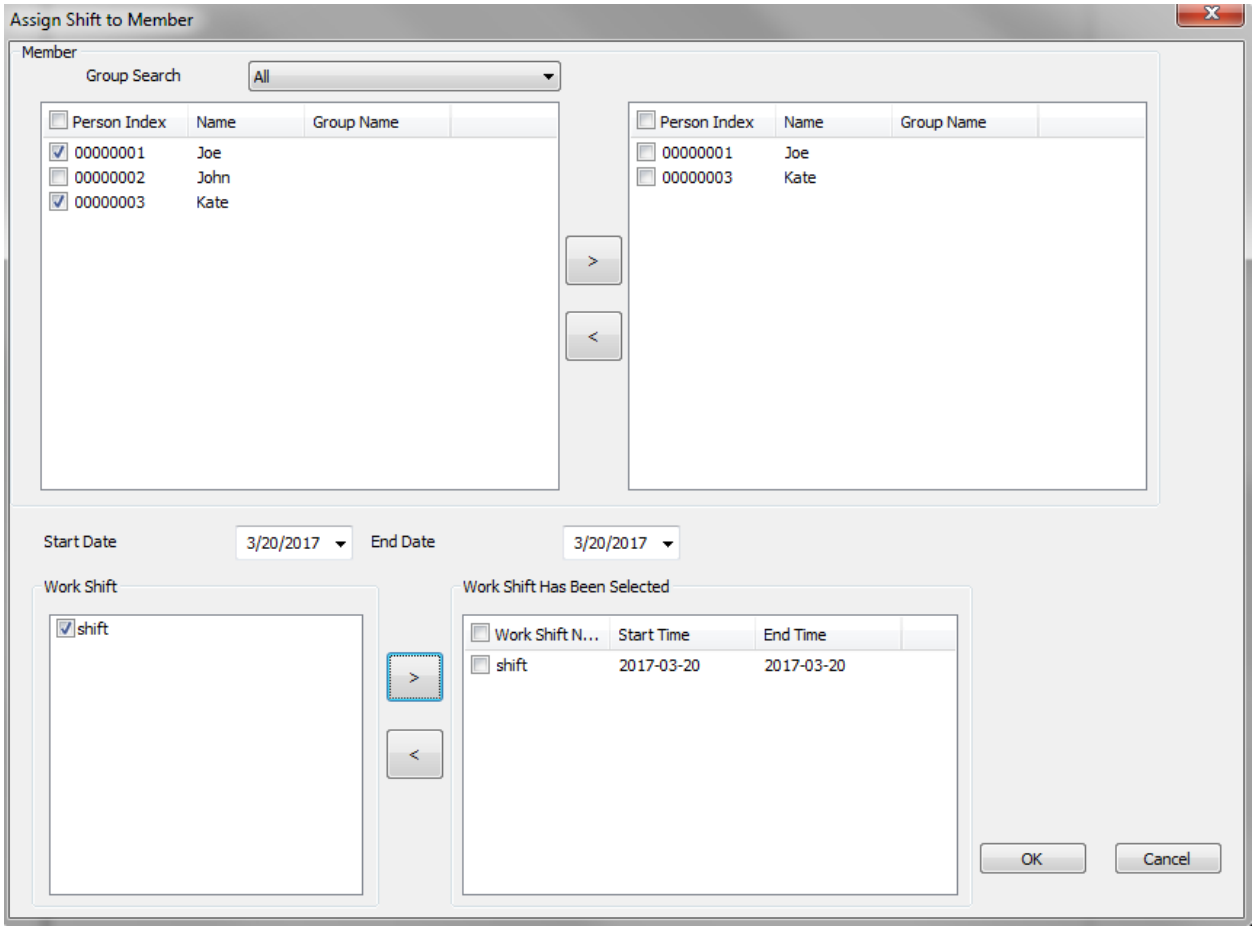


Figure 36: Assign Shift to Member

1. Select from “Member” users to include for a work shift using < > arrows.
2. Select a “Start Date” and “End Date” for validity of the assignment configuration.
3. Select a work shift from the list and add it using > arrow.
4. Click “OK” to complete the selection.

Special Assignment

Click on Add a Assignment under “Special Assignment” in order to add a special assignment as shown below.

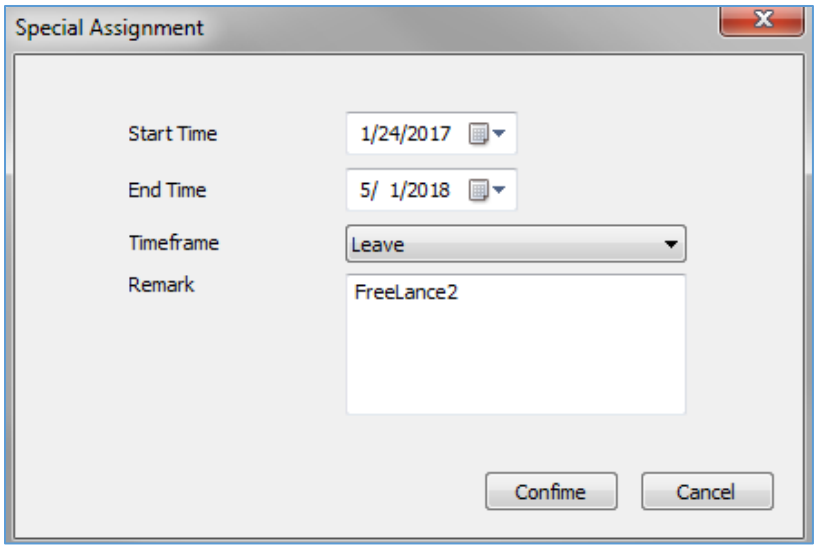
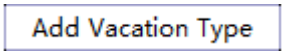


Figure 37: Special Assignment

Users need to set:

1. "Start Time" of the special assignment.
2. "End Time" of the special assignment.
3. Assign a specific "Timeframe" or set it to "Leave" in order to accept all periods.
4. Set a "Remark" as a reminder of the purpose if this special assignment.

Name of Vacation

Click on 

in order to add a new vacation type to assign it to users, the following window will pop up.

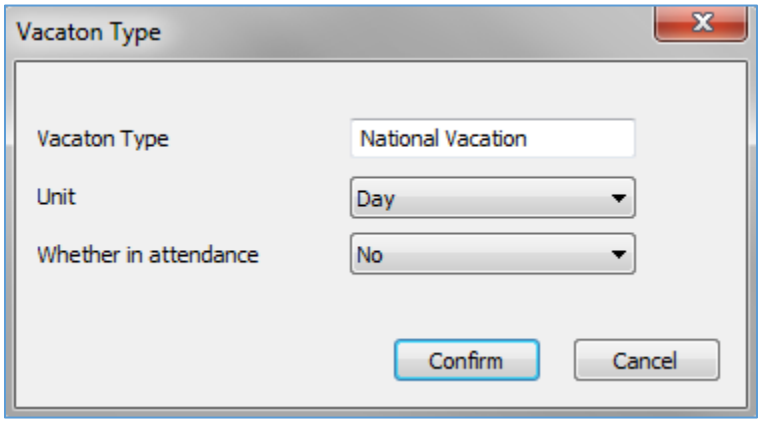


Figure 38: Vacation Type

Users need to set:

1. Enter a name on the ''Vacation Type" in order to identify the vacation.
2. Select the unit of the vacation on "Unit".
3. Set "Whether in attendance" to "Yes" or "No".

Ask Leave

Click on Add Vacation in order to set configuration for vacation.

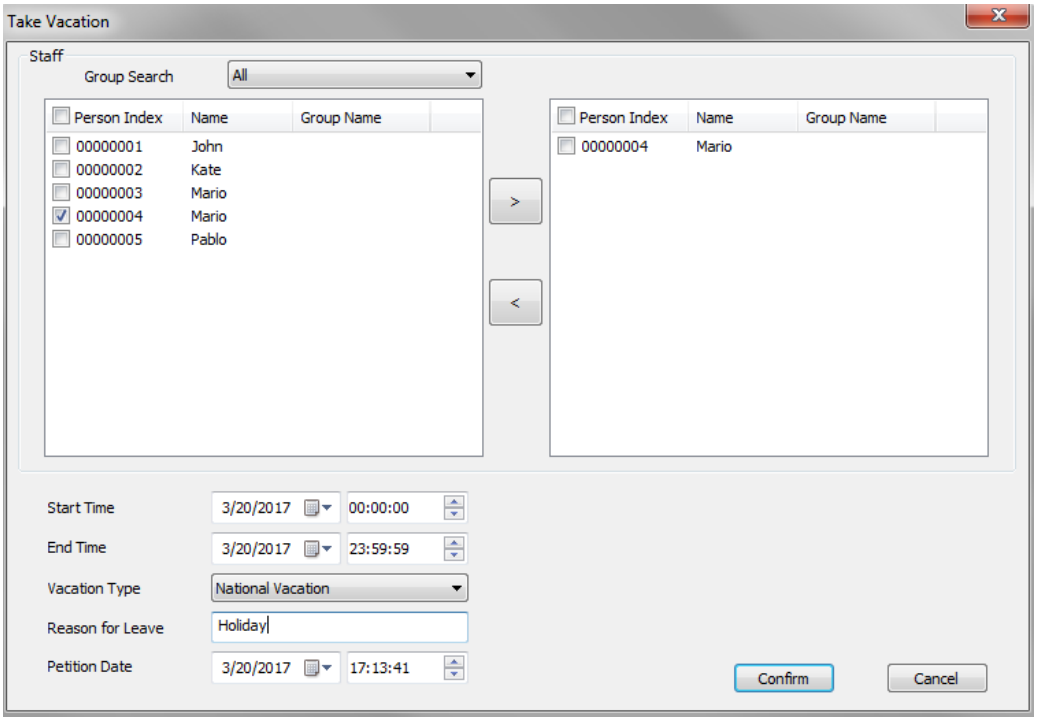


Figure 39: Take Vacation

Following configuration needs to be done:

1. Select users for vacation using > < arrows.
2. Enter the “Start Time” for vacation.
3. Enter the “End Time” for vacation.
4. Enter “Vacation Type”.
5. Set a “Reason for Leave”.
6. Enter the “Petition Date”.

Swiping Card Records

The swiping card sub-menu shows information about users, Name, Group Name, Date, Check-in and Check-out time, as shown below.

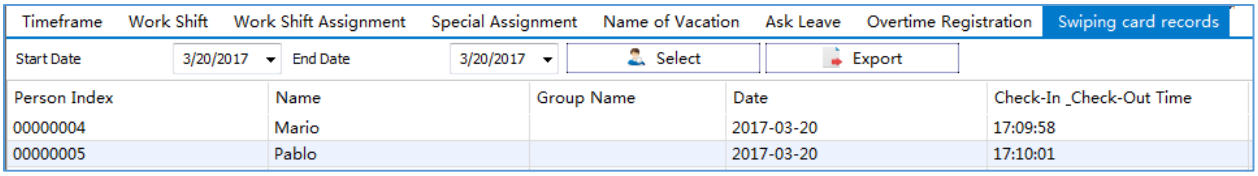


Figure 40: Swiping Card Record

Click on Select to retrieve users' information from the GDS3710 (users may need to wait around 2 minutes for the GDS Manager to retrieve users' information from the GDS3710).

Click on Export in order to export users' information to the specified path in ".csv" format as shown below.

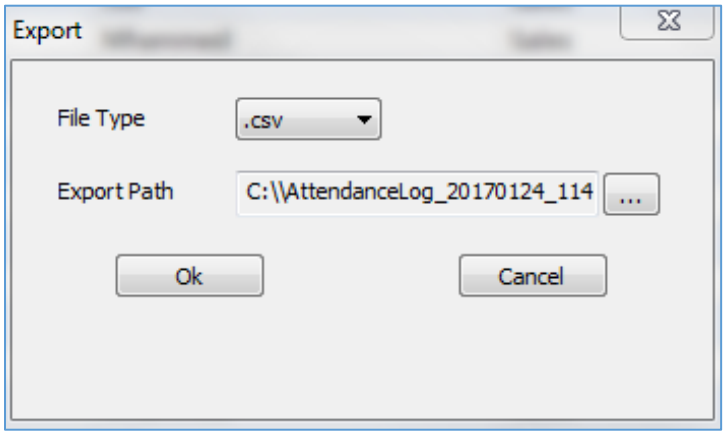


Figure 41: Export Attendance

Makeup Check-In

1. Click on Add Makeup Record to add a new makeup record, the following window will pop up.

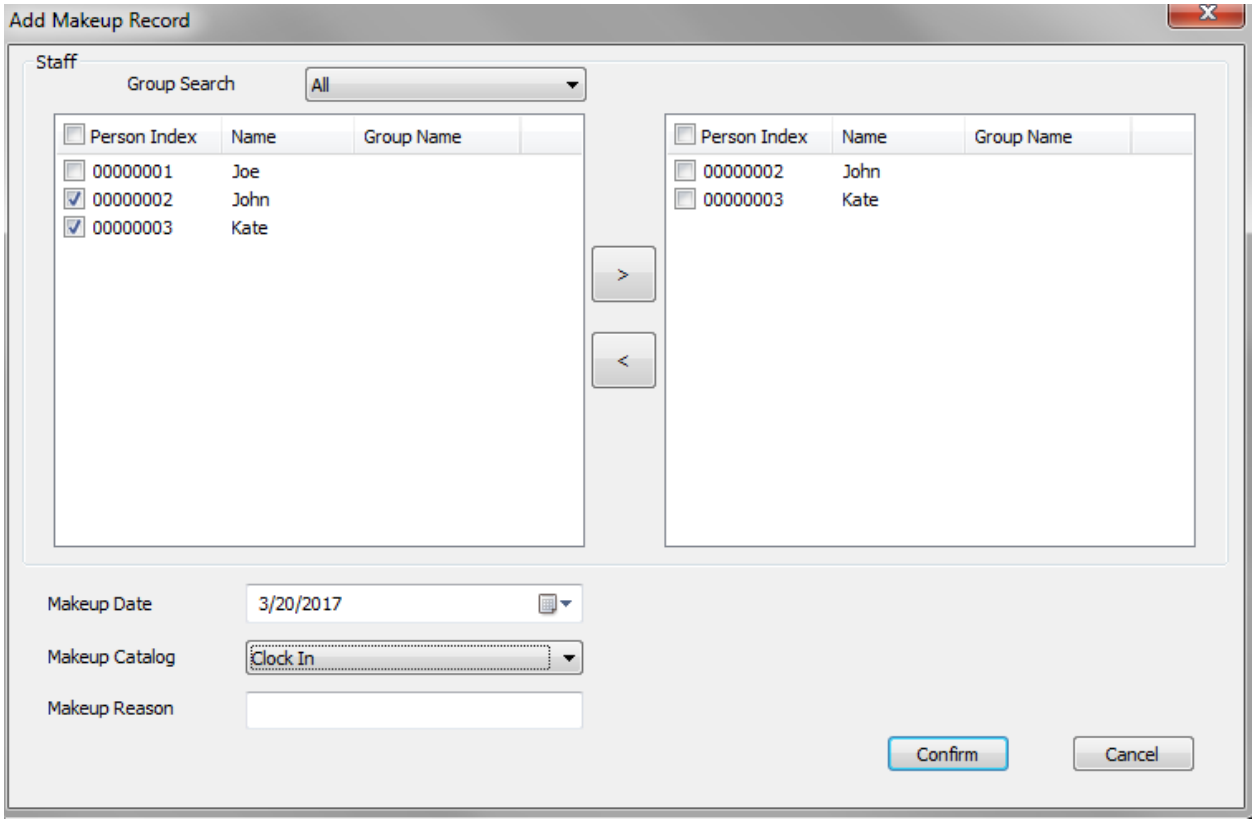


Figure 42: Makeup Record

2. Following steps need to be done:

   - Select users for Makeup record using > < arrows.
   - Enter the “Makeup Date”.
   - Enter the “Makeup Status”.
   - Enter “Makeup Reason”.
   - Click on “Confirm”.

3. Select a user and click on Audit to set the audit status for a user as pass or rejected, the following window will pop up.

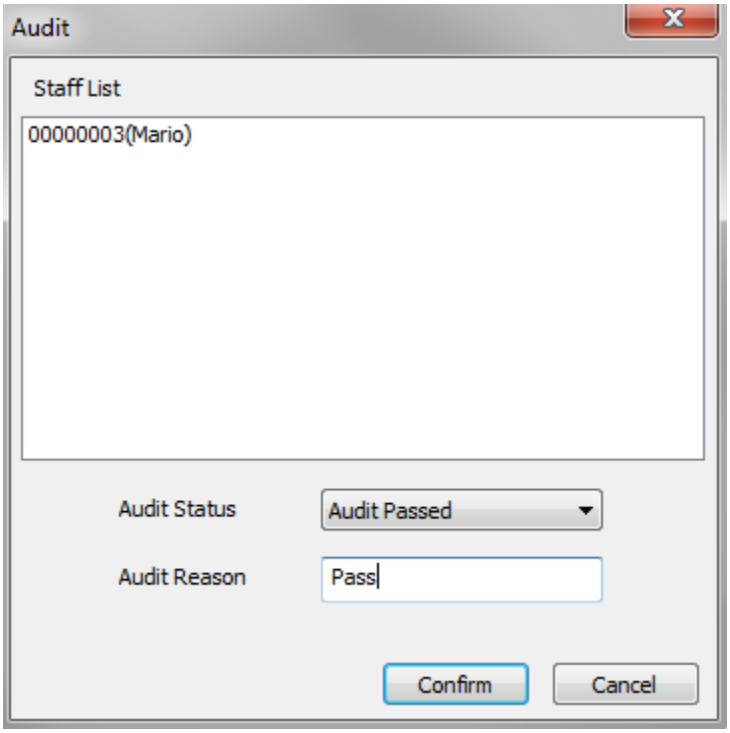


Figure 43: Audit

   - Set the status of the audit either as “Audit Passed” or as “Audit Rejected”.
   - Set the audit reason.

4. Select a user, and then click on Revoke Audit in order to revoke the audit status.
5. Select a user and click on Delete Selected Record in order to delete it from the audit list.
6. Select users and click on Export in order to export the selected users in “csv” format.

Attendance Report

This sub menu give an overview of attendance details, such as attendance summary, late summary, full attendance summary.

Users need to select the desired type of report from “Attendance Detail”, “Attendance Summary”, “Late summary”, “Full Attendance Summary”, then click on Select to retrieve data from the GDS3710.

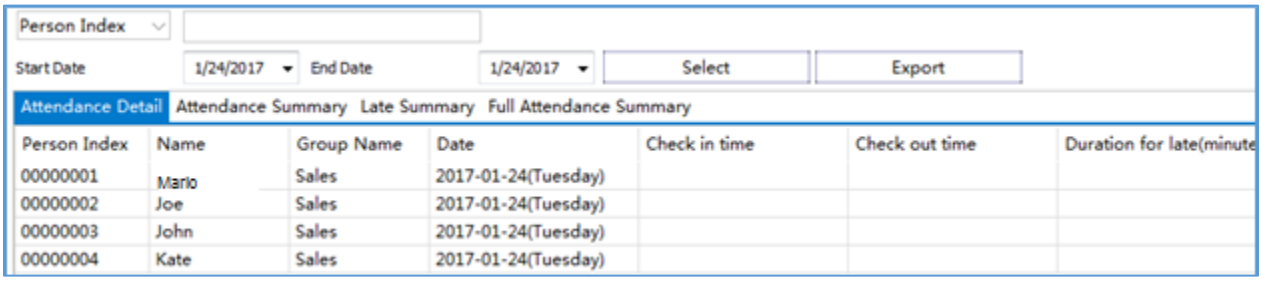


Figure 44: Attendance Report

User can also click on Export to export data on the specified path in a “csv” format.

EXPERIENCING THE GDS MANAGER

Please visit our website: http://www.grandstream.com to receive the most up-to-date updates on firmware releases, additional features, FAQs, documentation and news on new products.

We encourage you to browse our product related documentation, FAQ and User and Developer Forum for answers to your general questions. If you have purchased our products through a Grandstream Certified Partner or Reseller, please contact them directly for immediate support.

Our technical support staff is trained and ready to answer all of your questions. Contact a technical support member or submit a trouble ticket online to receive in-depth support.

Thank you again for purchasing Grandstream Door Phone System, it will be sure to bring convenience and color to both your business and personal life.