



Grandstream Networks, Inc.

GDS3710 Two Doors Control Configuration Guide



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INTRODUCTION

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, Alarm input/output and more.

This How-To Guide will describe the wiring and steps to follow to control two door from the GDS3710.



GDS3710 WIRING CONNECTION FOR TWO DOORS

Wiring example

Below example, show how to use wiring on the back cover of the GDS3710 to connect with 2 external lock strike

Note:

The Alarm_Out (COM1) interface is set to control Door 2 opening, “Lock Status” can be configured by choosing “Normal Open” or “Normal Close” based on the strike used.

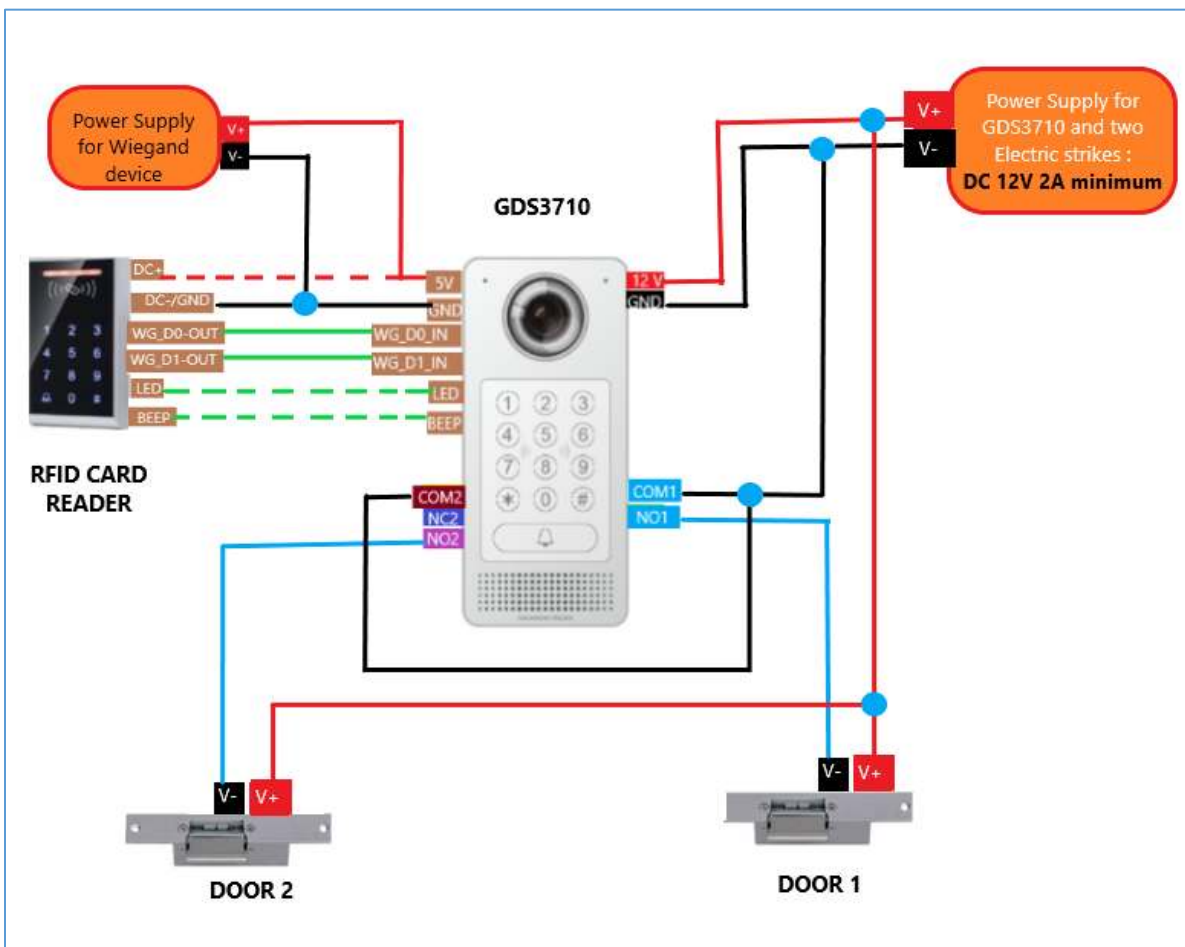


Figure 1: 3rd party Power Supply Wiring Sample

GDS3710 WEB CONFIGURATION TO CONTROL TWO DOOR

Configuration example

For example, a 3rd party Wiegand Input device or GDS3710 can be installed to control Door2. We have selected Door 1 on “Control Option” to be controlled by local PIN and the build in RFID reader, and we enabled wiegand control for Door 2 only.



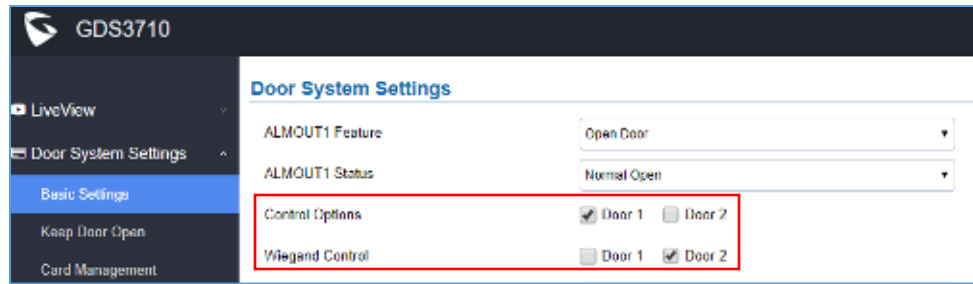


Figure 2: ALMOUT1 Status

Notes:

In case of a power loss then the DOOR STATUS when power is off will be depending on the following situations:

- COM2 has three wiring PINs, corresponding to NO or NC accordingly. Therefore when connecting NC2 and COM2 (Fail Safe) then strike will open when power is lost and when using a NO2 strike (connecting COM2 and NO2) then door is “locked” when power is lost.
- COM1 (ALMOUT1) has only two PIN, and NO ONLY. If the connected strike/lock is a NO strike, this means ALMOUT1 Status should be set to “Normal Open” then door will be closed when power is lost, while if the strike connected is NC strike, and ALMOUT1 Status is set to “Normal Close” then door will be locked when power is lost.

• Universal PIN for Operation of Doors:

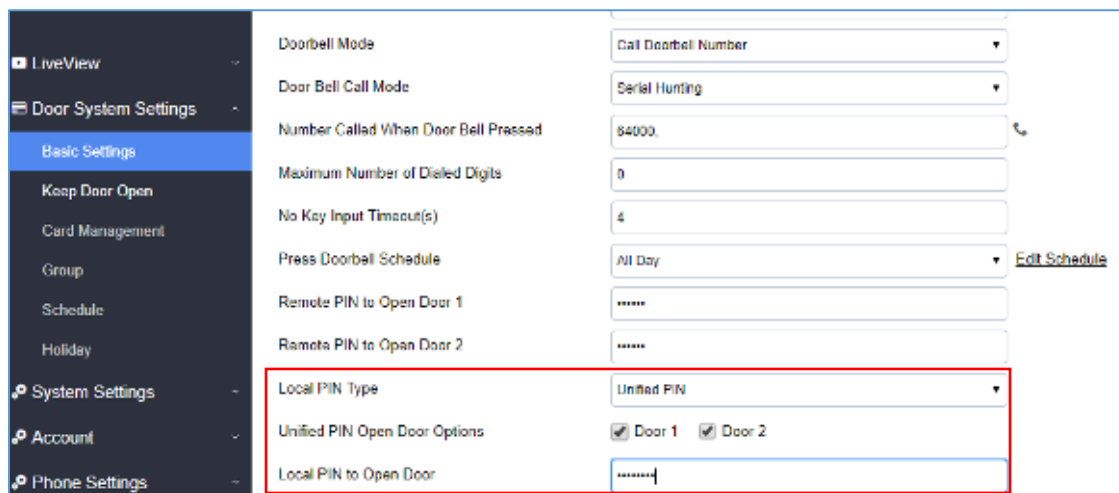


Figure 3: Universal Local PIN

If Unified PIN (Universal PIN) is configured to open door, then which door can be controlled by the PIN is configured in the UI once “Unified PIN” selected.

For example, like above screenshot, if this universal PIN is set to open both Door1 and Door2, but due to previous “Control Option” set to open Door1, and “Wiegand Control” set to open Door2, therefore the final result will be the INTERSECT result of both sets with condition qualified.



- **Remote PIN to Operation of Doors:**

For remote PIN to open door, the PIN can be configured in example down below.

The PIN can be different for Door1 and Door2 and has to be configured correctly in related IP Phone which will be used to operate “One Key Open Door”.

If BOTH doors need to be opened at the same time, then both Door1 and Door2 has to be configured with exactly SAME password or PIN as DTMF open door.

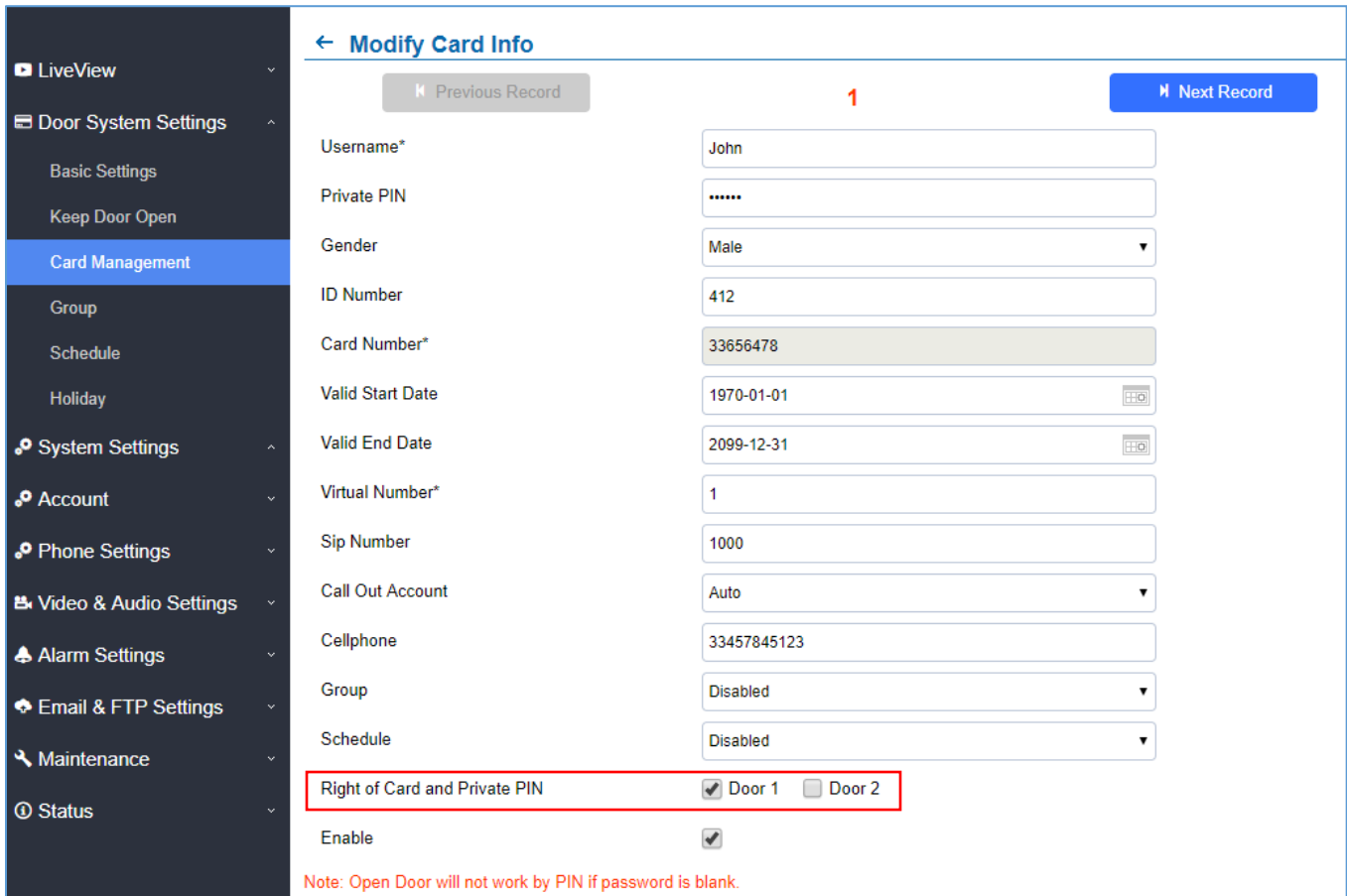
On the Basic settings page set the following fields:

<ul style="list-style-type: none"> LiveView Door System Settings Basic Settings Keep Door Open Card Management Group Schedule Holiday System Settings Account Phone Settings Video & Audio Settings Alarm Settings 	Snapshot when Door Opened		<input checked="" type="checkbox"/> via FTP	<input type="checkbox"/> via Email
	Snapshot when Doorbell Pressed		<input type="checkbox"/> via FTP	<input type="checkbox"/> via Email
	Call Mode	SIP Number		
	Doorbell Call Out Account	Auto		
	Doorbell Mode	Call Doorbell Number		
	Door Bell Call Mode	Serial Hunting		
	Number Called When Door Bell Pressed	64000		
	Maximum Number of Dialed Digits	0		
	No Key Input Timeout(s)	4		
	Press Doorbell Schedule	All Day		Edit Schedule
	Remote PIN to Open Door 1	*****		
	Remote PIN to Open Door 2	*****		

Figure 4: Remote PIN to Open Door



- **Private PIN or Card & Private PIN:**



← **Modify Card Info**

Previous Record 1 Next Record

Username*	John
Private PIN	*****
Gender	Male ▼
ID Number	412
Card Number*	33656478
Valid Start Date	1970-01-01
Valid End Date	2099-12-31
Virtual Number*	1
Sip Number	1000
Call Out Account	Auto ▼
Cellphone	33457845123
Group	Disabled ▼
Schedule	Disabled ▼
Right of Card and Private PIN	<input checked="" type="checkbox"/> Door 1 <input type="checkbox"/> Door 2
Enable	<input checked="" type="checkbox"/>

Note: Open Door will not work by PIN if password is blank.

Figure 5: Right of Card and Private PIN

If using RFID card or Private PIN to open door, then which door can be opened by the RFID card or Private PIN is configured via “Card Management”, see above screenshot.

Notes:

For all the settings, the final result of which door can be opened is the **LOGIC INTERSECT OPERATOR** of ALL the sets of condition qualified.

Please refer to our Open Door Flow chart for better understanding on how to configure and control 2 Doors operation: http://firmware.grandstream.com/GDS3710_opendoors_logic.pdf

