amroad

VIDEO DOOR PHONE
DP100-25

MANUAL FOR SYSTEM INTEGRATOR

Amroad Technology Inc.

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Chapter 1 : Introduction

Welcome

Thank you for choosing this Video Door Phone. This DP100-25 is designed to co-work with IP Video Phone to compose a SIP based door entry system. Besides taking advantages of IP technologies, this system also can fully utilize the SIP protocol to link to your SIP VoIP services. In other words, this system performs not only as an Intercom system, but also work with your SIP-based community system.

This product provides many extraordinary features:

- Talk to visitors with real time video and voice on IP Video Phone or Video Indoor Station.
- Open electronic door by indoor IP Video Phone or RFID card reader.
- Support SIP (Session Initiation Protocol) VoIP services, it is able to forward visitor calls to your mobile phone or office phone.
- Support H.263 formats.
- Support G.711 audio formats.
- Build-in electronic door opener interface.
- Build-in speaker and microphone.
- Friendly web user interface for configuration and management.

Figure 1: DP100-25

Please read this user guide carefully before taking any installation action. Please contact your dealers or system integrators if you have questions.

General Application of Door Entry System

There are two major models of Video Door Phone: one is single unit model, the other is community model. They are applied on different conditions. Please see following descriptions:

Villa Application

DP100-25 is designed for building, apartment or community. It is also used for single house or villa. Please see Figure 2.

- Using a home IP PBX to connect all SIP-based devices.
- Communicate with each device simply with extension numbers.
- Connect to SIP VoIP services via Internet.

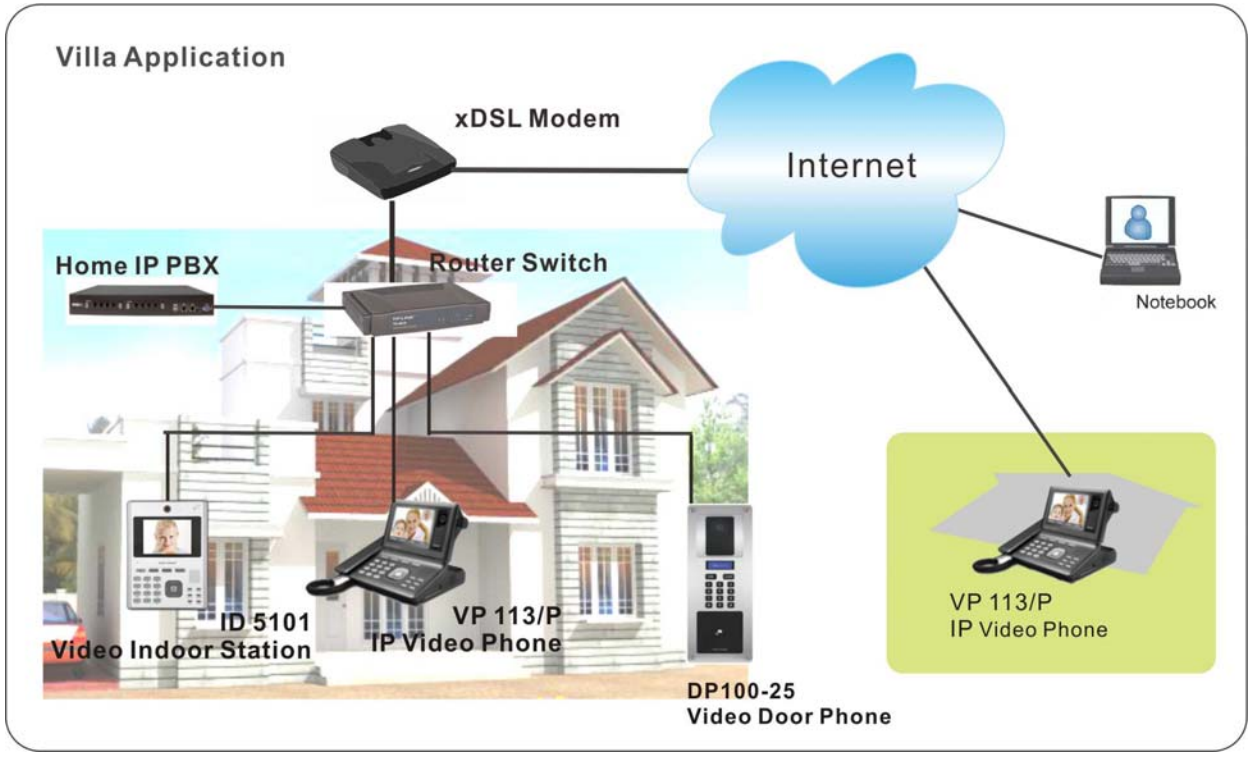

Figure 2: Single Unit Application

Community Application

DP100-25 is designed for building, apartment or community.
Please see Figure 3

- Connect each house or apartment

with a large IP PBX.

- Residents can check visitors, monitor public areas or call each others with extension numbers.
- Connect to SIP VoIP services via Internet.

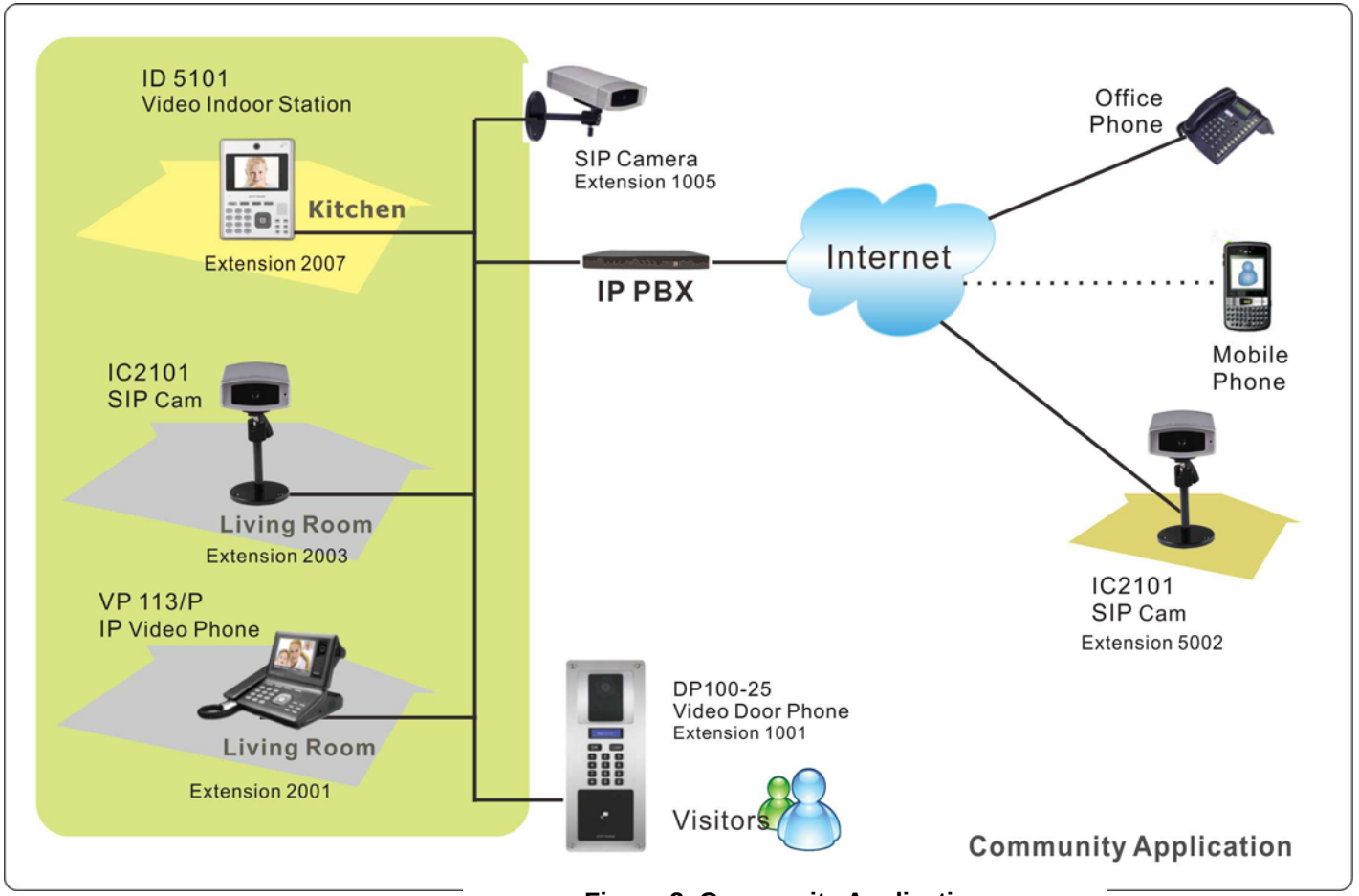

Figure 3: Community Application

Use of SIP

SIP, initial of Session-Initiation-Protocol, it is an application-layer control (signaling) protocol for creating, modifying, and terminating sessions with one or more participants. These sessions include Internet telephone calls, multimedia distribution, and multimedia conferences. Simply say, SIP is a most commonly used protocol that used to interconnect SIP Enabled PBX and/or SIP User Agents to each other to establish voice and video sessions between each other over an IP Network.

There are few typical applications of SIP products, please refer to Figure 4

- Make a video phone call from indoor IP Video Phone to outside IP Video Phone.
- Make a video phone call from softphone on notebook to IP Video Phone.
- View SIP Camera video from IP Video Phone at office.
- View SIP Camera video from you mobile phone.

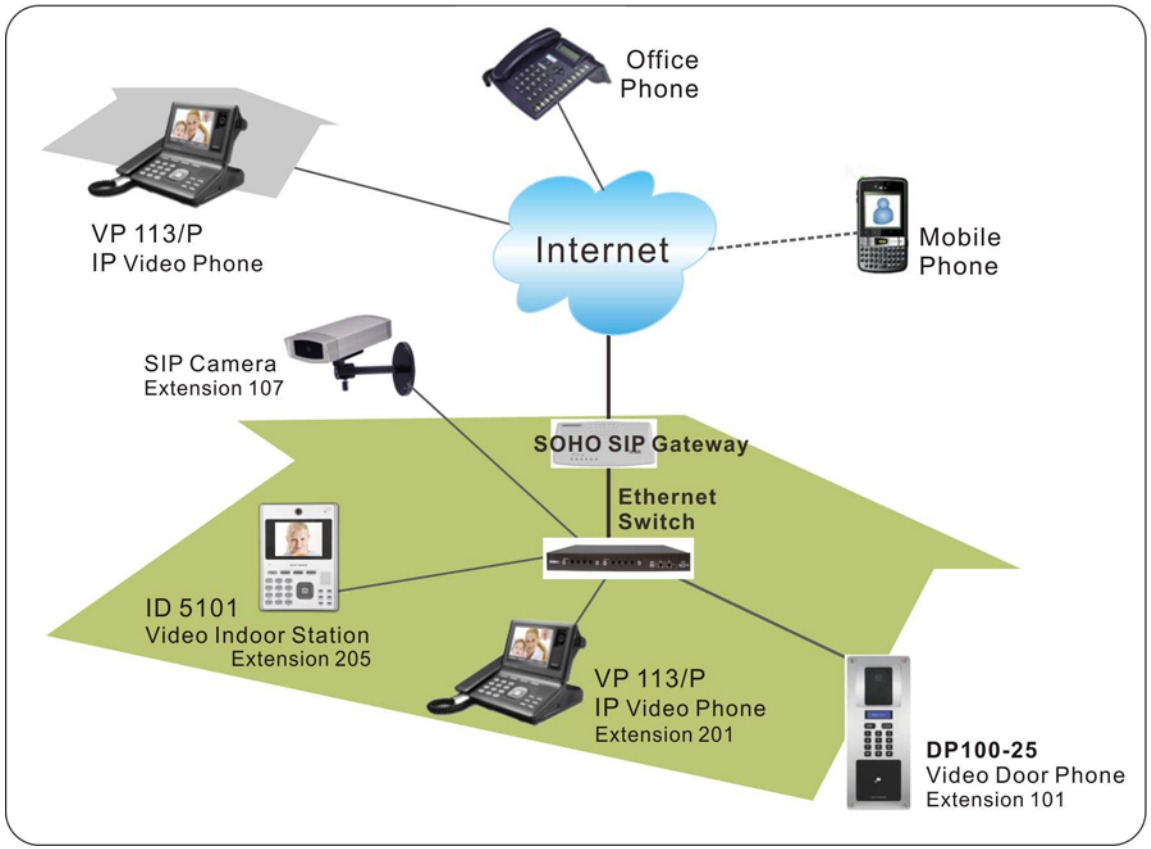

Figure 4: General SIP Application

Chapter 2 : Knowing Video Door Phone

Package Contents

The following items are included in your Video Door Phone package. Check this list before installation to ensure that you have received all items.

❶ Video Door Phone Unit
❷ Wall Mounting Box
❸ Terminal Connectors
❹ Screw Pack (4 pieces of M6 x 20mm)
❺ Wrench
❻ Screw for Earth Wire
❼ Wall mounted screw pack
❽ H-type Terminal Connector for Power Wire
❾ Cord End Terminal (12 pieces)
❿ Plastic Protective Cover
⓫ Master RFID Card
⓬ Quick Installation Guide & Quick Start Guide (Englis h/Chinese version)

Please contact your dealer immediately in case that any item(s) is missing.

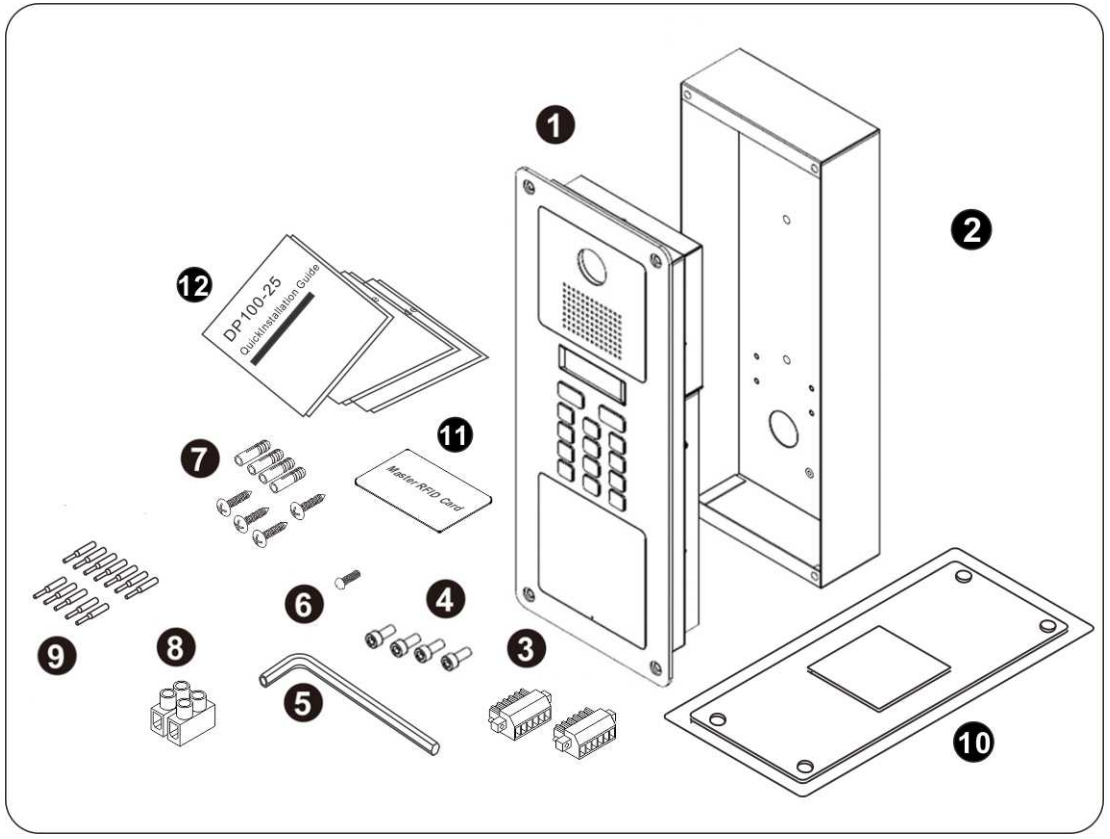

Figure 5: Package Contents

Front Panel

Figure 6: Front Panel

LED Light

There are IR LEDs on both sides of CMOS lens for light compensation. Blue LEDs are behind the keypads, and LCD screen is with blue backlight. The LED and blue backlight will light when any button/keypad is pressed. And, the LED and backlight can be set through WEB UI.

LED	WEB UI	SETTING	DESCRIPTION
Keypad LED	Sleep Mode	Disable	The blue LED will light On when any keypad is pressed. And, the keypad LED will be turned off in 5~10 seconds after phone call is ended.
	Sleep Mode	Enable	Beyond the time period of Sleep Mode, Keypad LED will always be ON.
LCD Backlight	Backlight Open	On	The backlight will always light ON.
	Backlight Open	Off	The LED backlight will light On when any keypad is pressed. And, the LED backlight will be turned off after one minute after phone call is ended.

Rear Panel

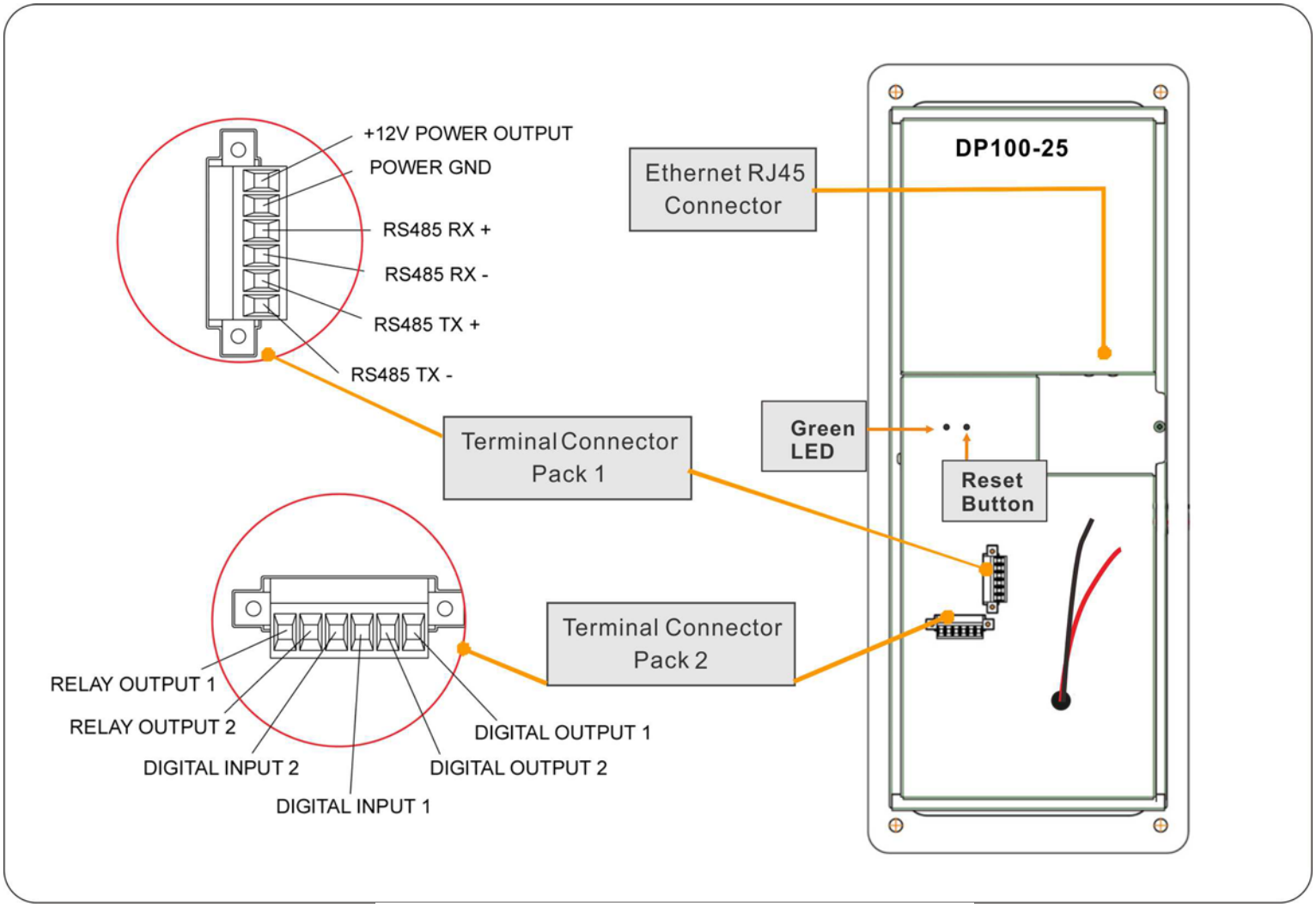

Figure 7: Rear Panel and Connectors

Reset Button

The default IP type setting of Video Door Phone is “**DHCP Client** “.

1. Pressing the reset button for **3 seconds**=>DP100-25 will turn into Statics IP mode as "**192.168.0.50**" and reboot by itself.
2. Pressing for over **6 seconds** and Green LED ON=>Turn to DHCP mode as the default value and reboot by itself (Restore to factory setting).

VOID Sticker

There is a “VOID” sticker on the rear side of the DP100-25.

This VOID sticker is used to prevent opening the case and tampering concealment.

WARNING: “VOID” means “WARRANTY VOID IF SEAL BROKEN”
Amroad shall not be responsible under warranty if the VOID sticker is broken or removed.

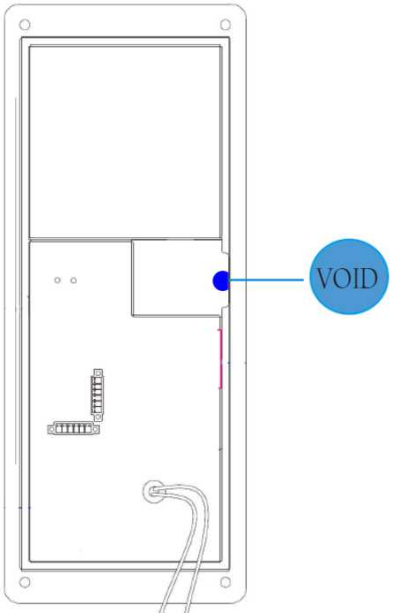

Figure 8: VOID Sticker

Dimensions

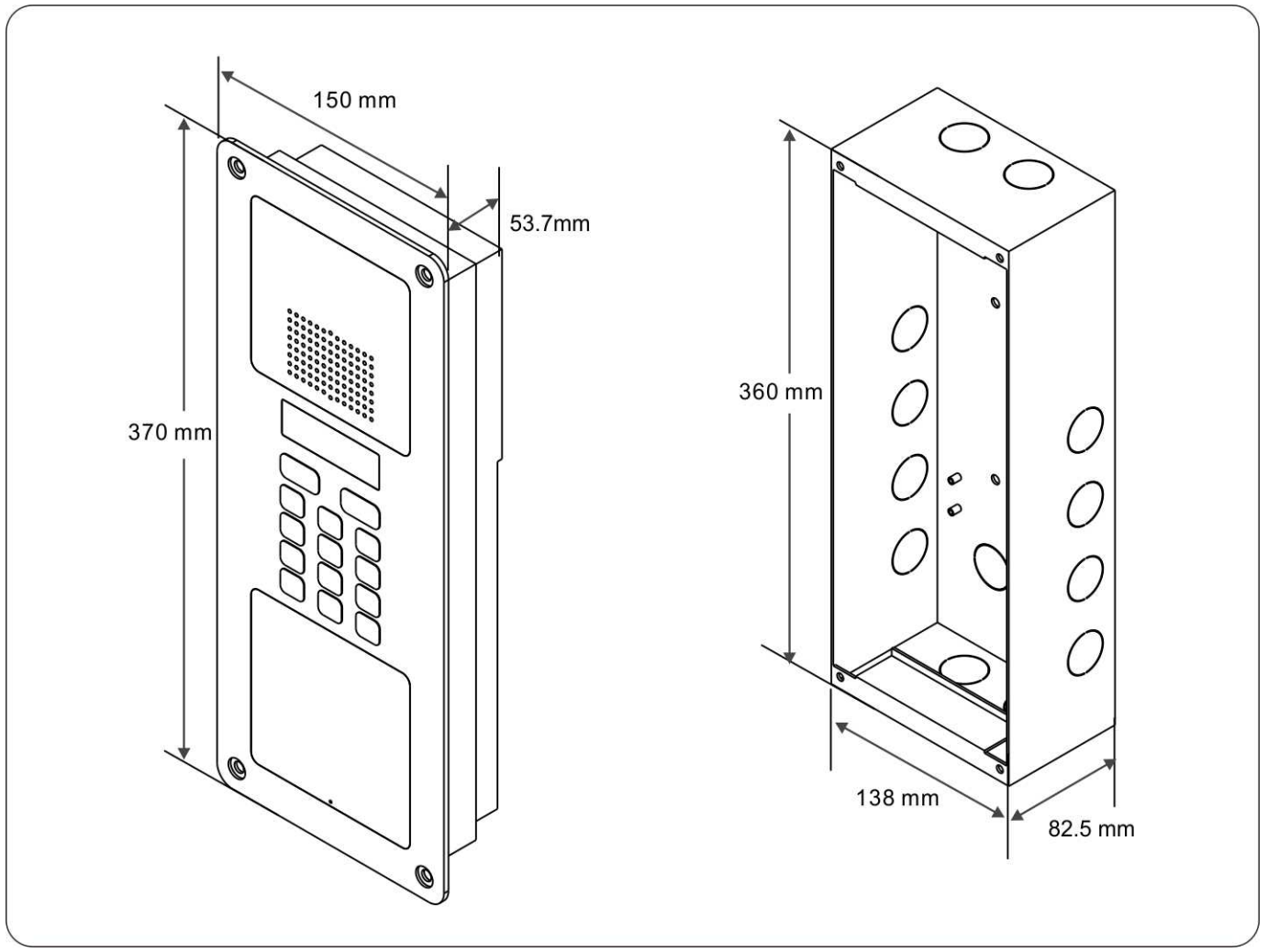

Figure 9: Dimensions

Chapter 3 : Installing Video Door Phone

Suggested Installation Positions

Due to the view angle of the camera lens is limited, to install the Video Door Phone in a correct position to get better view is very important. Suggested height of the lens position is at the height of 155 cm according to building conditions.

And, the distance from the bottom of wall box to the ground is 123.5 cm. View angle of this door phone is 105^{O}. Please see an example of installation position on Figure 10.

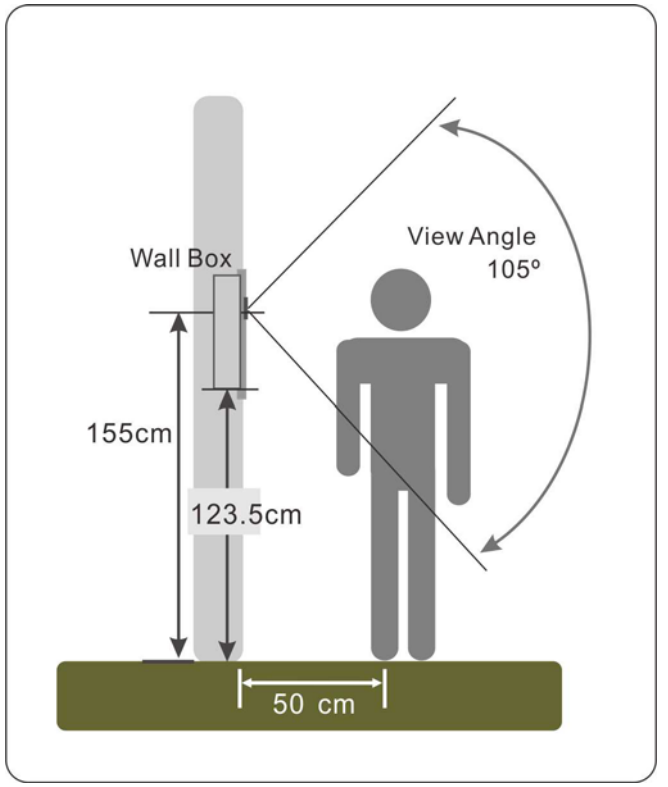

Figure 10: Installation Position

Lighting Conditions

The Lens of this device is able to see IR (Infra-Red) light, therefore you may also implement with an IR light. Please note, IR light only delivers black & white images, and the objects looks odd in some conditions. Please see the spotlight example on Figure 10.

Installing Procedures

1. Insert the Wall Mounting Box into the Wall.

Cutting a hole that is able to contain the Wall Mounting Box and prepare the DC +12V and Ethernet cable ready. Then insert the box into the wall and pull the DC wires and Ethernet cable through the hole on the box. You must place the Box very precisely in horizontal in order to keep the Video Door Phone in correct position.

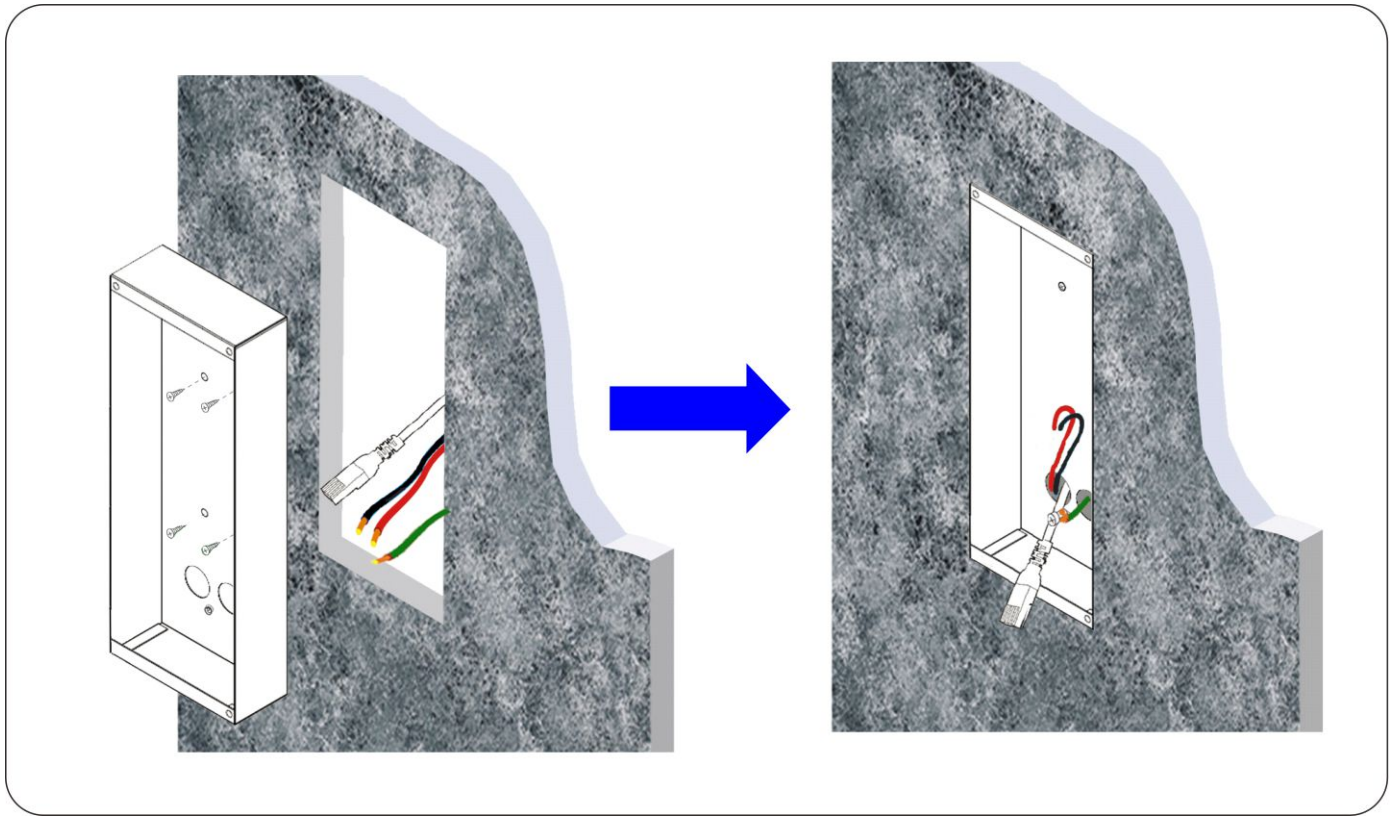

Figure 11: Installing the Wall Mounting Box

2. Connect the DC wires and Ethernet Cable.

Connect the DC wire of DP100-25 to H-type power connector, and connect Ethernet cable to DP100-25 according to below Figure 12. Please be careful when you are connecting the DC +12V, be sure to check the DC condition before you start to connect the wires. Please screw the earth cable to the “Wall Mounting Box “.

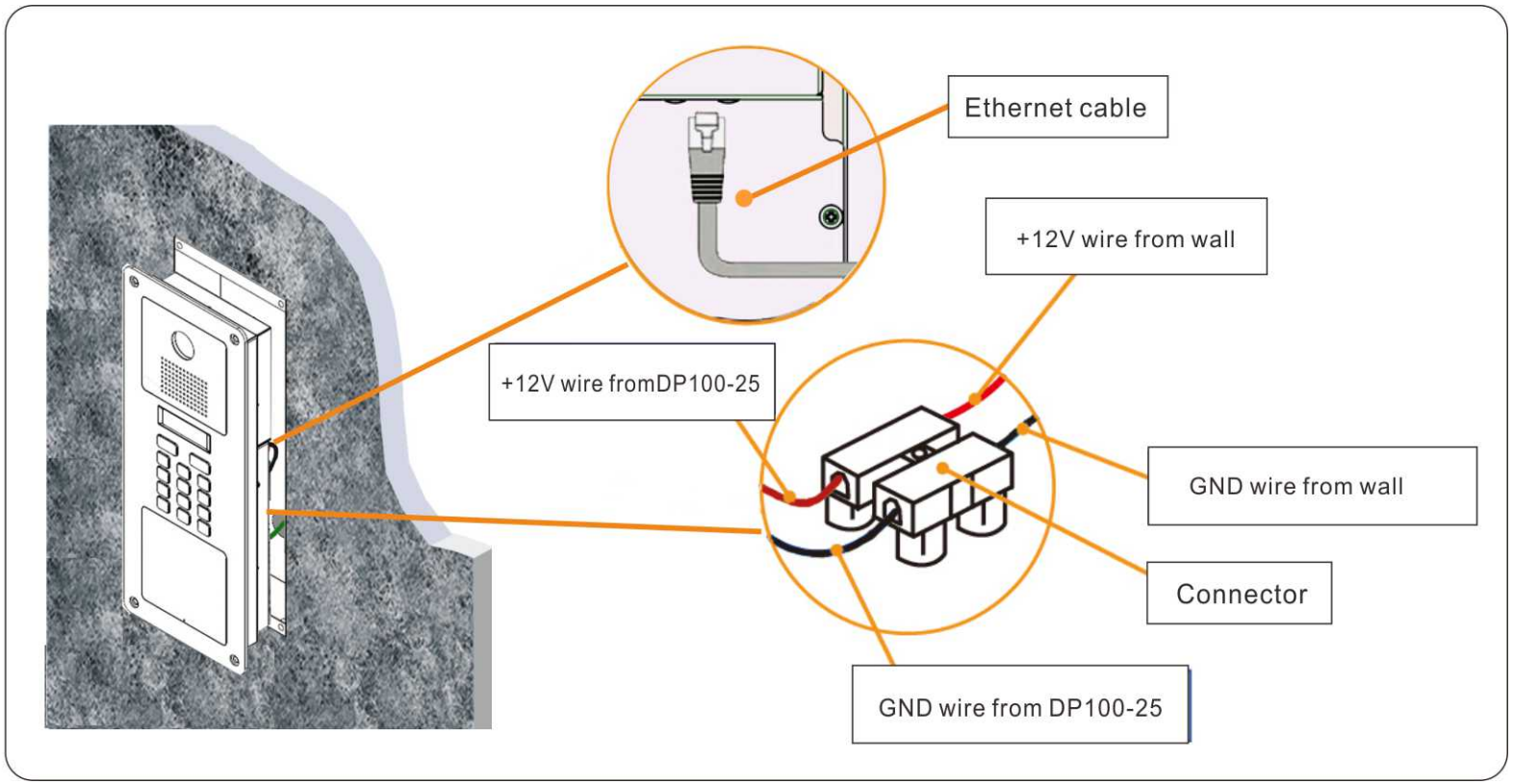

Figure 12: Connecting Cable & Wires

3. Install Video Door Phone into the Mounting Box.

After properly connecting the wires and cables, insert the Video Door Phone into wall mounting Box carefully. Then screw the 4 screws that come with the package into the front panel. Please double check all the installation procedure again, and you may power on and start the configuration procedures.

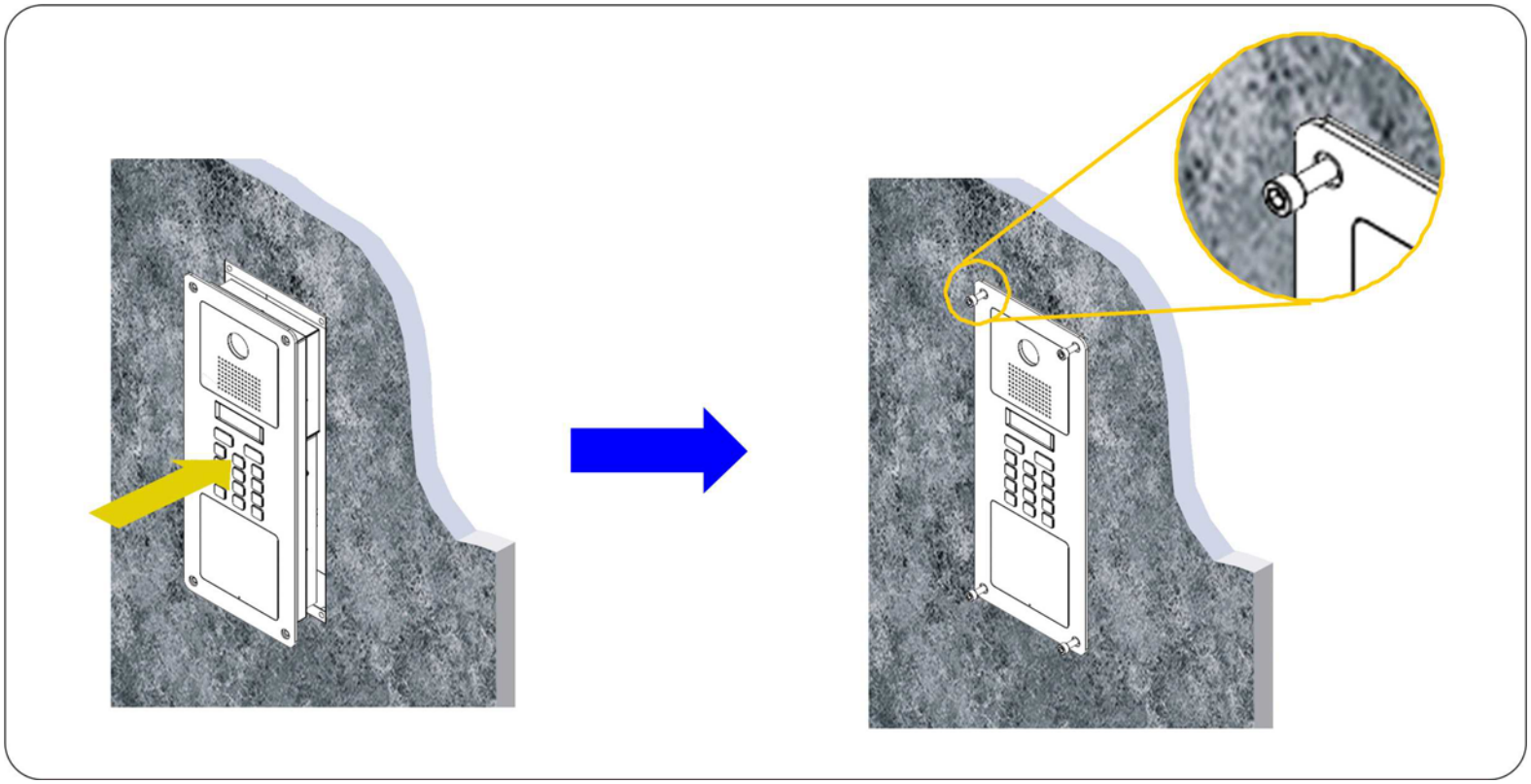

Figure 13: Insert the Video Door Phone

NOTE: We suggest that the protective cover should be attached to DP100-25 and should not be torn up after DP100-25 installation. Do not tear up the protective blister until residents of community/building begin to use DP100-25 Video Door Phone.

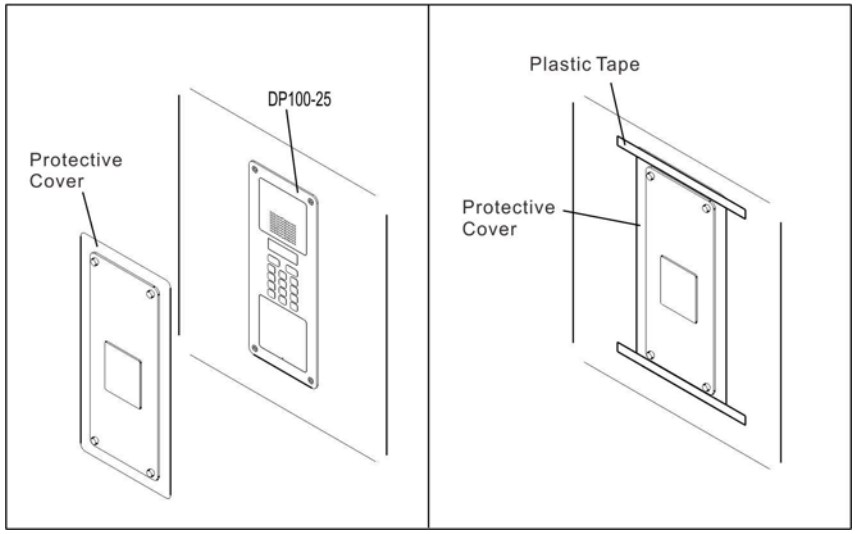

Figure 14: Don’t remove Protective Cover

Chapter 4 : Configuring Video Door Phone

Finding Video Door Phone on Networks

This chapter describes how to configure your Video Door Phone via Web User Interface. Before proceeding configuration, you have to locate the Video Door Phone on the network. You may find out the IP address of this device on the LCD display. NOTE: By pressing “#” key on front panel, you will see IP address like on Figure 16.

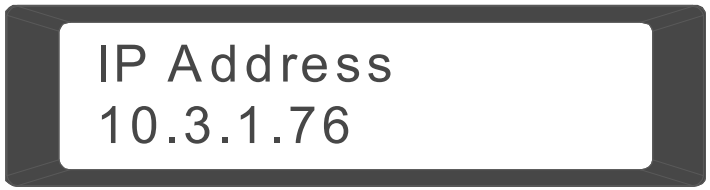

Figure 15: IP Address on LCD

Input the IP address of this product on your browser, then you will see home page of the Video Door Phone like Figure 17.

Web UI is protected by Login ID and Password. Press the “**Login**” button, then you will see 2 input fields: Login ID and Password. Please key in the correct ID and password, and then press second “Login” button to enter Web UI. The default ID and password are:

Login ID: admin

Password: admin

Figure 16: Login Web UI

NOTE：1. While configuring WEB UI (User Interface), please do not operate this product so as to prevent this product from being out of order.
2. Do not input special symbols **“**, ****, and **&** in the fields on the WEB UI. Otherwise, you will fail to save your setting normally.
3. After configuring some Web pages and pressing “SAVE” button, you need to wait a little longer for system to save the configuration.

System - Basic Settings

Figure 17: System - Basic Settings

Item	Description
Device ID	This ID is a unique number that assigned by manufacturer.
Date & Time	Here shows date and time set on this phone.
Set New Time and Date	These fields allow user to set correct date and time according to the local–standard. You may synchronize phone time to match your PC by pressing "**Sync with PC**" button.
Time Zone	This field allows you to select your time zone to fit your location. You can enable the **Daylight-Saving** feature if needed. NOTE: Daylight Saving Time is a way of getting more light out of the day by advancing clocks by one hour during the summer.
Network Time Protocol	Enable this protocol allows the system to calibrate the time with NTP server through Internet.
NTP Server Address	You may use your preferred NTP server by input new address here.
Auxiliary Light	This item allows you to control keypad lighting device. **Sleep Mode**: When you enable this function, the keypad will not light during following time period except when any keypad is pressed. **Start Time**: You may set Start Time for each day. **End time**: You may set End Time for each day.
Notice Ticker	Enable this feature to show "Please Press OK to Operator!" in the LCD screen by setting **"**Mapping

	Number” in Web “Extension number” page in advance.
Back Light Open	Select “On” to turn on the Back Light of the LCD always. Select “Off” to turn on the Back Light when any keypad is pressed.
Language	This feature allows you to select the display language on the LCD screen. Select “English” or “Traditional Chinese”
Reboot Password	This feature allows you to reboot the DP100-25. When you are pressing “CLEAR” button for 15 seconds, you get the “Input Password” indicator then input the password and press OK button. Default password is “1234”. And further, the feature also allows you to turn IP-Type into the Static IP (192.168.0.50) for debug/setting purpose. The process is same as the previous one, only the password is different; you need add “00” in the ending for password checking. I.e. Default password is “123400”.
Save	Click this button to save your setting.

System – Network Settings

Item	Description
MAC Address	This is a quasi-unique identifier attached to most network adapters.
IP Type The default value is DHCP Client. There are two options: DHCP Client and Static IP.	
	A. **DHCP Client:** The system will automatically assign you an IP address.
	B. **Static IP:** you have to input *IP address*, *Subnet Mask*, *Default Gateway*, *Primary DNS* and *Secondary DNS* data.
Save	Click this button to save your setting.

Figure 18: System - Basic Settings

System Login Name

The default ID and password for system login are ***admin*** and ***admin***.
User may change his Login ID and Password on the webpage by entering new Login ID and Password.

Figure 19: System Login ID Settings

System Reboot

When user needs to reboot DP100-25 remotely, just click "**Reboot**" button on this webpage to start this action. After confirm rebooting, Web User Interface will back to the home page, but the video door phone may take 30~60 seconds to restart its system.

NOTE: DO NOT operate the DP100-25 while system is rebooted (reset).

Figure 20: System Reboot

Phone Settings – Video

You may set change the video settings in this page.

Figure 21: Video Setting

ITEM	Description
Bandwidth	You may select preferred bandwidth for video and audio streaming. There are 4 options: 128Kbps, 256Kbps, 384Kbps, and 512Kbps. Please check which bandwidth is suitable for you with your service provider.
Codec Priority	You may select priority of video codec here: **H.263** – will authenticate H.263 first
Power Line Frequency	You may select the power frequency according to your local power specifications. Wrong power frequency may cause the video flicking abnormally.
CMOS Static Brightness	This item allows you to adjust the brightness of CMOS according the lighting environment of the installed location. There are 10 levels of value in this item. Higher value makes the video brighter.
CMOS Color Balance	This item allows you to adjust the color conditions. Since the Lens of this product is able to take Infra-Red light, it may affect the color of video. You may select a suitable condition from: Fluorescent Light, Yellow Lamps and Orange Lamps. • **Fluorescent Light** – This condition is suited for white lighting environment. • **Yellow Lamps** – This condition is suited for indoor yellow bulb environment.

	• **Orange Lamps** – This condition is suited for indoor orange color or more red color environments.
Save	Click this button to save your setting.

<IMPORTANT>: “Turn on/off IR LED” and “adjust the brightness of CMOS” via Amroad IP Video phone, DP100-25 can’t get the correct value of the CMOS brightness in some environment, please adjust the brightness value via the Amroad IP Video Phone by pressing “**2**”(brighter) or “**8**”(darker) in conversation state.

Phone Settings – Audio

Figure 22: Audio Setting

ITEM	Description
Code Priority	You may select the Audio streaming priority – **G.711**.
Scene	You may select the AEC (Acoustic Echo Control) scene according the environment of the installed location. Select “Disable”, ”Default” or “User Define”.
	When “**User Define**” is selected, the following two items appears: **Noise Threshold (db):** Default: -40. The voice intensity that is lower than the value (-40db) will be neglected. (Acceptable value -40~-52) **Target Level (db):** Default: -23 The voice intensity that is around normal intensity will be processed to be the value (-23db). (Acceptable value -20~-32)
VAD	You may enable or disable **Voice-Active-Detection** function here. The DP100-25 will detect background noise and send silence packet to the other end if this feature is enabled. This allows called parties hear better audio quality.
CNG	You may enable or disable **Comfortable-Noise-Generate** function here. The DP100-25 will generate background noise when receiving silence packet from the other end if this feature is enabled. This allows called parties hear better audio quality.
Speaker Volume	This item allows you to select volume of speaker. There are 10 levels, 0 ~ 9.
Save	Click this button to save your setting.

SIP Services

You may setup advanced SIP service parameters in this page:

Figure 23: SIP Settings

Item	Description
Authentication	
Display Name	This name will show on the IP phones of called parties. You can fill in the preferred name here. For example, **Doorphone** NOTE: Please enter **Doorphone** in the field of Display Name. When the Door Bell is pressed, there will be “Preview” function and Doorbell sound on Amroad IP Video Phone/Video Indoor Station.
User Number	You may fill in the phone number here, normally it is provided by service provider. To work with IP PBX, you may fill in extension number.
Account ID	You may fill in your account name of SIP service in this field. For example, 101
Account Password	You may fill in the password of your SIP service account. For example, 101
SIP Proxy Server	
Service	You may select “Enable” to connect other devices in SIP mode. NOTE**:** For **Peer-to-Peer** mode, both devices (DP100-25 and remote device) need to

	select **Disable** in the dropdown menu. And, fill in each other's IP address.
IP Address	You may fill in the IP address of SIP Proxy Server in this field.
SIP Registrar Server	
ITEM	Description
IP Address	You may fill in the IP address of SIP Registrar Server here.
Registration Expire Time	Set the time for SIP registration authorization The default is 3600 seconds.
Media Timer (0~180)	This setting allows your phone to force release automatically a conversational call when your phone doesn't receive any media packets from the remote side during a period of time. If you want to disable this feature, please fill in "0" sec.
No Answer Timer	When visitor presses the door bell and no one answer the call, the bell sounds (Ding-Dong) will continuously ring for a time period. You may select the time period- **15sec**, **30sec**, **45sec**, or **60sec**. Default is 15 seconds. NOTE: The setting is based on your IP PBX.
ICMS	Input the IP address of ICMS. This function is customized and it allows DP100-25 to send pictures of visitors to ICMS.
Save	Click this button to save your new setting.

Entrance Settings – Extensions

You may configure call services in this page:

ITEM	Description
Mapping Number	Select “Enable” to allow you use a real house number instead of extension number assigned from IP PBX. For large community, it is easier for visitors to enter the real house numbers than extension numbers.
Save	Click this button to save your setting.
Select Mapping File	Once you enable the Mapping Number feature, you may import the mapping table from this field. You may edit the mapping table in WordPad or Notepad, and then save as “**csv**” format. The format must match following style, otherwise the firmware may not recognize these data:
	Name, uri ,commit, comm_id #1,101 ,101-1F,0 #2,102,102-1F,0 #3,103,103-1F,0 #4,104,104-1F,0

Figure 24: Extensions

#5,105,105-1F,0
#6,106,106-1F,0
#7,107,107-1F, 0
#8,108,108-1F, 0
0,1000,The Operator,1
1202,1001,First St No120 3F,2
1203,1002,First St No.120 4F,3
1204,0282265688,Outbond Call,4

Where “blue” part is necessary for the file, please add your mapping number in their following.

The title of each column must be exactly same as above sample, hereunder are explanations of each column title:

“**name**” – This column is the number that you wish visitors to input on the Video Door Phone keypad. Where the value is “0” means ‘Notice ticker’ service can be enabled – it indicates “Please Press OK to Operator!” on the LCD screen. When you press OK, DP100-25 will dial the corresponding number.

“**uri**” – This column is the extension number of IP PBX or a Uniform Resource Identifier which is a compact string of characters used to identify or name a resource on the Internet.

“**commit**” – This column is for mark resident data such like address. Please note, you cannot use comma “,” inside the column when you want to mark the address.

“**comm_id**” - This column is for input serial number of the records. Please start from 1.

<IMPORTANT>: Please note, total characters include punctuation marks and space of each record (Line) MUST NOT over 80 characters. Recommended record number is less than 500.

	After selecting the CSV file, you can press “**Upload**” button to start the uploading.
Export Mapping File	This item allows you to export existing mapping file (*.CSV) from DP100-25. The exported mapping file may be a good example for you. Press “**Export**” button to start exporting existing mapping file and save on your computer.

Entrance Settings – GPIO

You may configure GPIO in this page:

ITEM	Description
Device Relay Output	Select “Positive” or “Negative” to connect to Positive (Electronic Bolt) or Negative (Electronic Strike) - triggered Electronic Door Lock.
Press “#” to unlock by	Press the “#” key a few seconds from your Amroad IP Video Phone or Video Indoor Station can trigger the function during answering the phone call. You can select the timer here. “Immediately”, ”One Second”, ”Two Second”, and “Disable”.
Save	Click this button to save your setting.

Figure 25: GPIO Setting

NOTE: Be careful with the wires connection of GPIO, especially the default polar voltage of hardware (digit output pins) is high. Please select and set the related electric circuit to meet the hardware initial voltage.

Entrance Settings –RFID

You may get the related RFID information and delete the issued RFID Cards here.

Figure 26: RFID

ITEM	Description
Master Card	The master RFID card can issue new cards for new tenants. This field will display the card number of the Master RFID Card. By default, this field is null. Scan a new RFID Card for the first time, and it will be set as Master RFID Card.
Adds User Function by Master Card	Select “Enable” to let the Master RFID Card be able to issue new cards for the new tenant.
Numbers of RFID Card User	The number of RFID cards that are issued.
Save	Click this button to save your setting.
Export CSV File	Click **Download** button to export CSV file to open or save the file **Card_No.csv** on your computer. All issued RFID card numbers from the Video Door Phone will be listed in the CSV file.
Erase ALL RFID Cards Function	To delete the records of issued RFID card numbers can be executed here. When the function is set “**Enable**”, it allow user to erase all RFID card numbers or specific RFID card number.

	The item **Erase RFID Number** will appear. Then, you may input the specific issued RFID card number to delete it.

Upgrade – Firmware Update

The Upgrade function allows you to upgrade firmware of the DP100-25. The ways to upgrade the firmware are via Web UI.

Figure 27: Firmware Upgrade

Item	Description
Hardware Version	This field is to show firmware version number.
Software Version	This field is to show current firmware version number.
Language	This field displays the Language Pack.
Select Application Pack	Press "**Browse**" button and select Application Pack from your local disk. NOTE: Application Pack and Software File should be uploaded at the same time.
Select Software File	You may press **Browse** button to pop up a File dialog box to select the location of the new firmware that you wish to upgrade.
Upgrade	After select the new firmware, you can press **Upgrade** button to start the upgrading. You will see progress bar showing the upgrade status. **WARNING:** DO NOT turn off or disconnect the Ethernet cable during upgrade, you may cause serious damage to this device.

RFID Module Version	This field displays the version of the RFID Module.
Restore Factory Default	Press the **Restore Default** button and wait for system to restore its original factory default setting.

Configurations

Item	Description
Import File	User may press **Browse** button to select the location of the configuration file to import, which you may previously save to a local directory through the Export File option.
Upload	After selecting the configuration file, you can press **Upload** button to start the importing.
Export File	You can also use Export File to back up DP100-25 settings on your computer.
Download	Press **Download** button to export, and you are prompted to click "**Open**" or "**Save**" for *NewConfiguration.xml*. If you click **Save**, the configuration file will be saved into a local directory.

Figure 28: Configuration

AR APS

This webpage allows manufacturing factory to perform management function through APS (Auto Provision Server).

Figure 29: Auto Provision Server

Item	Description
APS Server:	This allows you to upgrade firmware of DP100-25 through network. For example, **APS Server: https://rc.amroad.com.tw/aps/TaServlet/doorphone.php**
Save	Click this button to save your setting.

Chapter 5 : Using Video Door Phone

Making Calls From Video Door Phone

Using the Video Door Phone is quite simple. You will see "**Welcome!**" on and turn off the LCD display when the system is ready. Please follow these few steps to call the party that you wish to call:

1. Key in the extension number of the called party. Usually you will see an extension table beside this Video Door Phone:

Extension	Name	Address
1001	Smith	Floor 1, No.180
1002	Phillips	Floor 2, No.180
1003	Leo	Floor 3, No.180
1004	Woods	Floor 4, No.180
005	Murphy	Floor 1. No.182

2. Press "**OK**" button to make this call.

3. You will see "**Calling**" on the LCD display and then bell sound (Ding-Dong) continually ring until receiving response.

4. You will see "**Talking**" on the LCD display when this call is

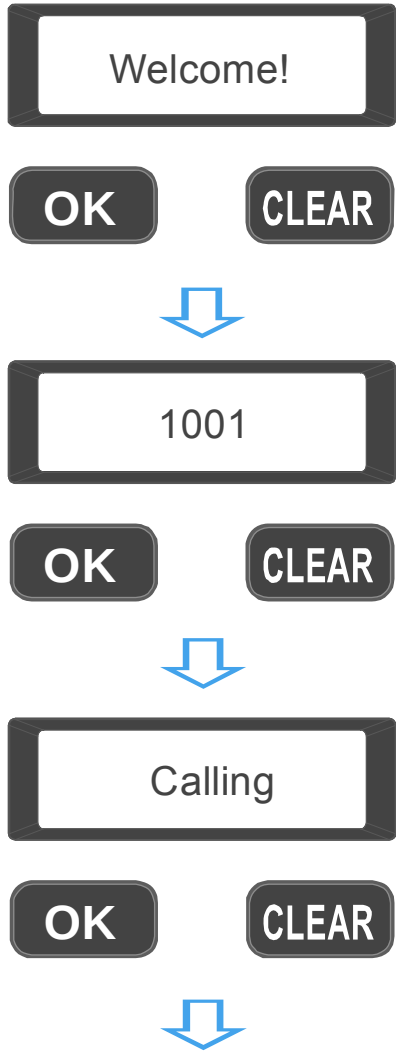

Figure 30:
LCD Messages 1

answered.

5. When call is hang up by receiver, LCD display will show "**Hanging Up**".
6. If called extension number is occupied, the bell sounds a busy announcement.
7. If there is no one answering this call, the bell sounds (Ding-Dong) will continuously ring and be discounted automatically after **15 seconds.**(The time out can be set at Web for 15 ,30 , 45 and 60 seconds).
8. You will see "**Disconnected**" message on LCD display if the networking is disconnected.

Figure 31: LCD Messages 2

Answering Calls on IP Video Phone

To answer the call from Video Door Phone on IP Video Phone is same as normal call. You may answer with following ways:

- Pick up the handset/ Press the ✓ button.
- Press the **SPEAKER** button.
- Press "**Answer**" soft-function key.

DP100-25 RFID Card Usage

Residents scan RFID card over the card reader. DP100-25 will verify the database to determine whether to Open door or not.

Issue Master RFID Card First Time

Take the Master RFID Card from package contents to scan on the DP101R RFID reader after the installation of DP101R is completed. The LCD Display will show the card number of the Master RFID Card. This Master RFID Card will be used as Master Card1.

NOTE: The Master RFID Card is used for issuing new card, and it can NOT be used for opening door.

If you scan another RFID card instead of Master RFID Card on DP100-25 card reader for the first time, the first-time scanned RFID card will become Master RFID Card.

Issue a New Card with Master RFID Card

1. Scan Master RFID Card on DP100-25 card reader First.

2. The screen will display “Scan New Card”. Within 10 seconds, scan new RFID card on DP100-25 card reader and LCD Display will show the card number of the RFID Card. DP100-25 will store new card number into database.

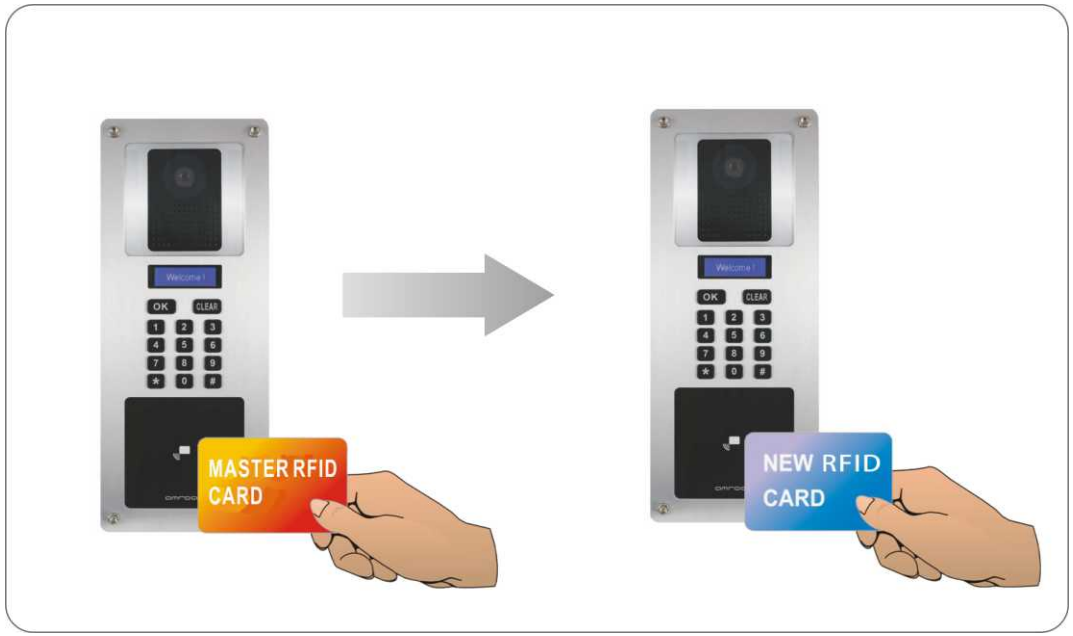

Figure 32: Issue a New RFID Card

The new RFID card is authorized and can be used to scan over DP100-25 card reader and open door.

Open the Door

With the installation of electronic lock, residents can open the door through the following 3 ways to open door.

1. Press **"#"** key on IP Video Phone/Video Indoor Station to open the door.
2. Resident can press indoor "Open Door Button" to open the door.
3. Resident can scan authorized RFID card on DP100-25 card reader to open the door.

Figure 33: Scan RFID card to open door

Appendix A : Electronic Lock

Electronic Lock

The DP100-25 can connect with various Electronic locks, including Electronic Strikes, Electronic Bolts and Electromagnetic locks.

There are two types of Electronic door lock applications as below. One is Electronic Bolt, and the other is Electronic Strike. For more Electronic locks, please follow the similar method for connection.

Electronic Bolt

- Electronic Bolt
  - The Electronic Bolt is closed when +12 V is supplied.
  - The Electronic Bolt is opened when +12V is not supplied.

This function can let you not only press the pound (#) key to open the door when you are answering Video Door Phone. but open the door with the Open Door Button directly.

Wiring Connection and Web Page Setup

There are two connectors: Terminal Connector Pack 1 and Terminal Connector Pack 2 on the rear side of the DP100-25. We provide the example for wiring connection and web page setup of Electronic Bolt.

A Door Open Button is connected in the wiring connection.

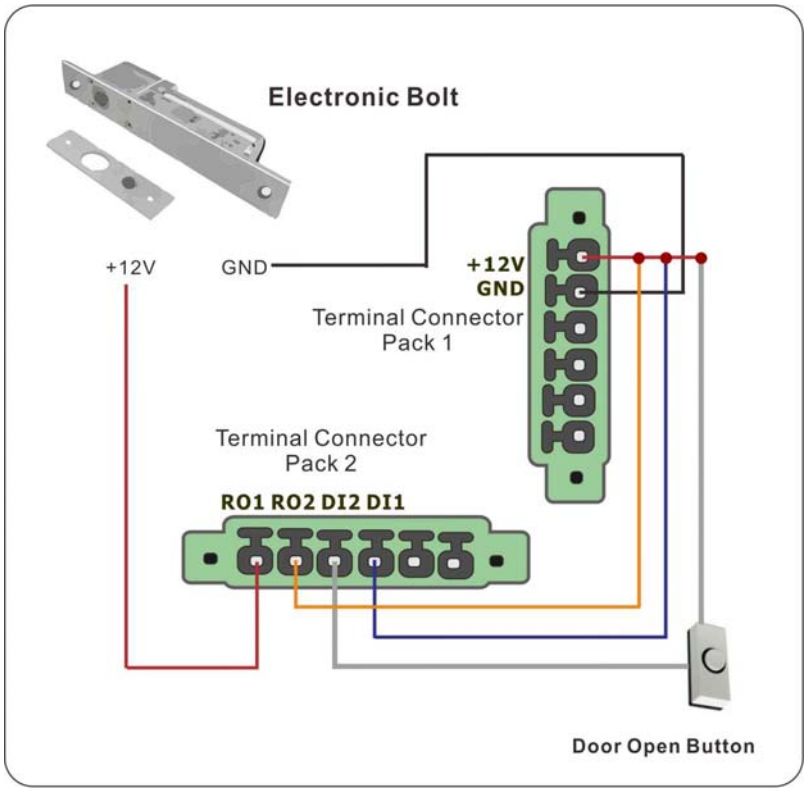

Figure 34: Wiring Connection for Electronic Bolt

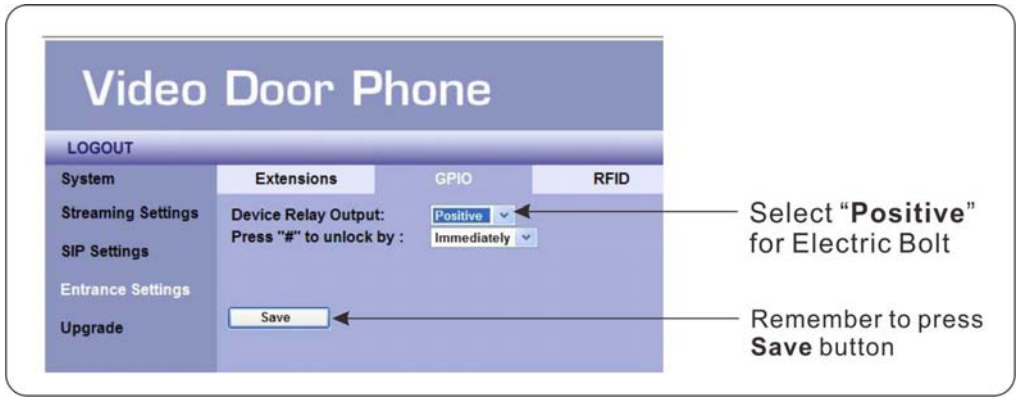

Figure 35: Web Page Setup for Electronic Bolt

When the wire connection is completed, you need to select the "**Positive**" for Electronic Bolt on the GPIO page of Entrance Setting on DP100-25 WEB User Interface.

Electronic Strike

- Electronic Strike
  - The Electronic Strike is opened when +12 V is supplied.
  - The Electronic Strike is closed when +12V is not supplied.

This function can let you not only press the pound key to open the door when you are answering Video Door Phone. but open the door with the Open Door Button directly.

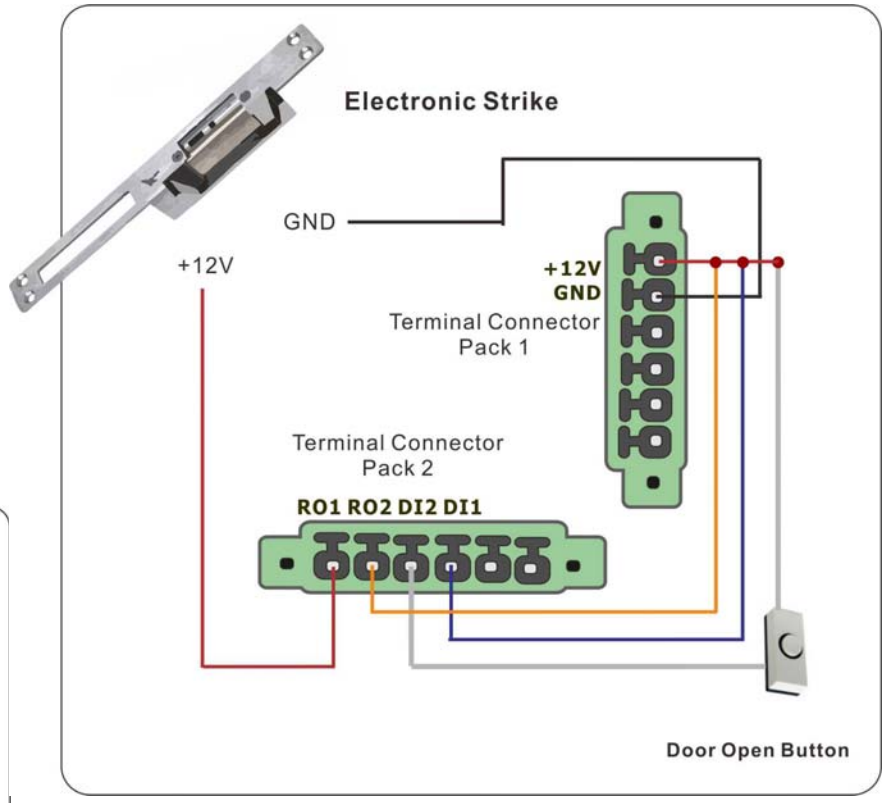

Figure 36: Wiring Connection for Electronic Strike

Wiring Connection and Web Page Setup

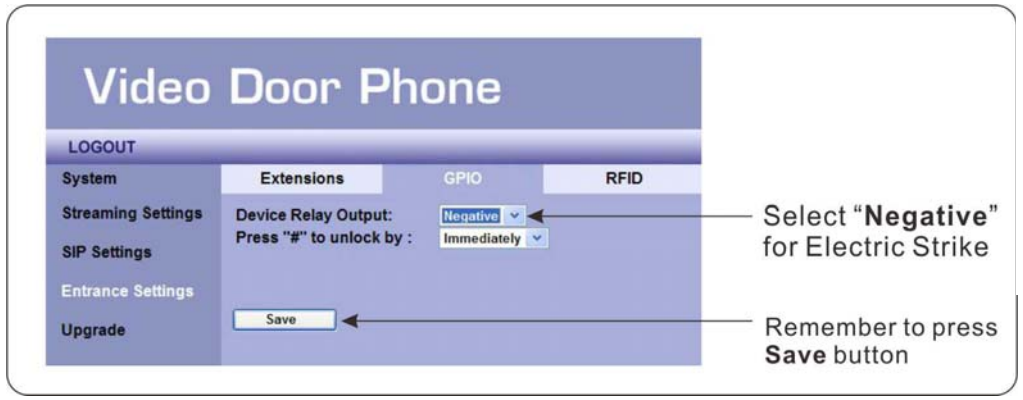

Figure 37: Web Page Setup for Electronic Strike

When the wire connection is completed, we need to select the "**Negative**" for Electronic Strike on the GPIO page of Entrance Setting on DP100-25 WEB User Interface

Appendix B : Regulatory Information

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
. Reorient or relocate the receiving antenna.
. Increase the separation between the equipment and receiver.
. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
. Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

"Changes or modifications are not expressly approved by the manufacturer could void the user's authority to operate the equipment."

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

CE DECLARATION OF CONFORMITY (EUROPE)

Manufacturer declares that this product conforms to the specifications listed below, following the provisions of the European R&TTE directive 1999/5/EC:

- EN 301 489-1, 301 489-17 General EMC requirements for Radio equipment
- EN 609 50 Safety
- EN 300-328-1, EN 300-328-2 Technical requirements for Radio equipment

Caution: This equipment is intended to be used in all EU and EFTA countries. Outdoor use may be restricted to certain frequencies and/or may require a license for operation. Contact local Authority for procedure to follow.

Note: Combinations of power levels and antennas resulting in a radiated power level of above 100 mW equivalent isotropic radiated power (EIRP) are considered as not compliant with the above mentioned directive and are not allowed for use within the European community and countries that have adopted the European R&TTE directive 1999/5/EC.

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