Hayward Unified School District

Purchasing Department
24411 Amador Street, Hayward, CA 94544

BID# 25.2

Video Intercom, Cabling and Installation

Addendum# 2 – 06/04/25

(Total of 17 page including attachments)

A. **REQUEST FOR INFORMATION/OTHER (Q&A):**

1. **Question**: Can you please include a spec sheet for the 101 Voice intercom system provided by the school district?
   Response: See attached.

IP3667

Enterprise IP Video Door Access Control

HD

Gigabit PoE

HD

2 Lines



Overview

The IP3667 is an IP Door Access Control compatible with SIP Standard with All in One functionality (Access Control, Intercom and Broadcasting).

It supports local authentication via RFID card and password, as well as two way communication to allow a remove controller to open the door, giving access to the building only to authorized users.

The robust mechanical design protects it from dust and water in harsh outdoor conditions.

It is a secure device which can be tied to your voice over IP phone system to control access by call, code, RFID cards or indoor switch.

It has a built in HD camera with backlight compensation function which can be programmed to broadcast on your enterprise phone device.



Key Features

All-in-One

Secure access control, intercom and broadcasting device which can be accessed by call, code, RFID cards or indoor switch.

Water and Dust Proof

Water-proof, Dust-proof and Striking-proof Design, Avoiding Malicious Damage 1KV anistatic protection.

HD Audio

Built-in speaker supports high definition audio quality full duplex echo cancellation.

HD Video

Built-in high definition camera with backlight compensation functionality broadcasts video to your enterprise IP Phone.

Tamper Alarm

Security feature to detect someone is tampering the equipment and send alarm to the corresponding server.

IP3667 Features and Specifications

HIGHLIGHTS

- 2 SIP Lines (SIP 2.0)
- HD Voice & Video
- PoE Enabled
- Full-duplex handsfree (HF)
- Default Auto Answer
- Open the door operation: DTMF, password, RFID card, switch
- Online system maintenance and management
- Built-in 3W speaker and AEC support high quality hands-free communication
- Built-in HD camera and with backlight compensation function

AUDIO

- Narrowband speech codec: G.711a/u, G.723.1, G.726-32K, G.729AB
- Broadband speech codec G.722
- Full Duplex Echo Cancellation (AEC) -96ms tail-length
- DTMF: In-band, out-of-band DTMF (RFC2833)/ SIP Info

VIDEO

- Sensor:1/2.7 "color CMOS
- 2 Megapixels
- Video codec H.264
- Resolution: main stream 1280 x 720@25fps Sub-stream 704x576(D1)@25fps
- Viewing angle: 112°(H), 84° (V)
- Minimum Illumination: 0.1 Lux, support for infrared illumination

DOOR ACCESS CONTROL FEATURES

- 200,000 door open records
- 1000 remote access list
- 1000 RFID cards
- Internal or external power supply options
- Customizable DSS Key
- Action URL/Active URI remote control

NETWORKING

- Physical 10/100/1000Mbps Ethernet
- IP Configuration: Static/DHCP/ PPPoE
- VPN: L2TP (Basic Unencrypted/ OpenVPN
- QoS 802.1p/q, DSCP

PROTOCOLS

- PoE (802.3af)
- Primary and secondary DNS servers are supported
- RTSP
- SNTP client
- SRTP
- HTTP/HTTPS
- MD5 authentication
- Web Filter
- STUN

DEPLOYMENT & MAINTENANCE

- Auto-Provisioning via FTP/TFTP/ HTTP/ HTTPS/ DHCP/SIP PNP/TR069
- Web Management Portal
- Web-based Packet Dump
- Configuration Export/Import
- Entry Log Export
- Firmware Upgrade
- Syslog (include door access logs)
- Access Table Export/Import

PHYSICAL SPECIFICATIONS

- 1 DSS button (speed dial button)
- 5 indicator lights (including hot-key backlight)
- Numeric keypad
- 1 indoor switch
- 1 relay: MAX DC30V/1A, AC125V / 0.5A
- Active switching output: 12V / 650mA DC
- Camera: 130W CMOS/IR-CUT 1/4 "color CMOS, 1 megapixel wide angle
- RFID reader:
  ID (EM4100), 125Khz --Standard Config.
  IC (MIFARE ONE), 13.56Mhz -- Custom Config
- Microphone: -38dB .
- Speaker: 4Ω/3W
- WAN port: RJ-45, 10/100M adaptive
- Power supply: 12V ±15%/1A DC or POE
- PoE 802.3af (Class 3 - 6.49 to 1295W)
- Network cable: CAT5 or better
- Shell Material Aluminum Cover and Cast-Aluminum back case
- Installation method: Wall-mounting or Flush-mounting
- Working Temperature: -40 - 70°C
- Working Humidity: 10 -90%
- Protection level: IP65 and IK10
- Device Dimensions: 223 x 130 x 74mm (W x H x L)
- Package Dimensions: 310 x 175 x 115mm (W x H x L)
- Equipment Weight: 1500 g
- Gross Weight: 1800 g



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IP Door Access Control

Quick Installation Guide



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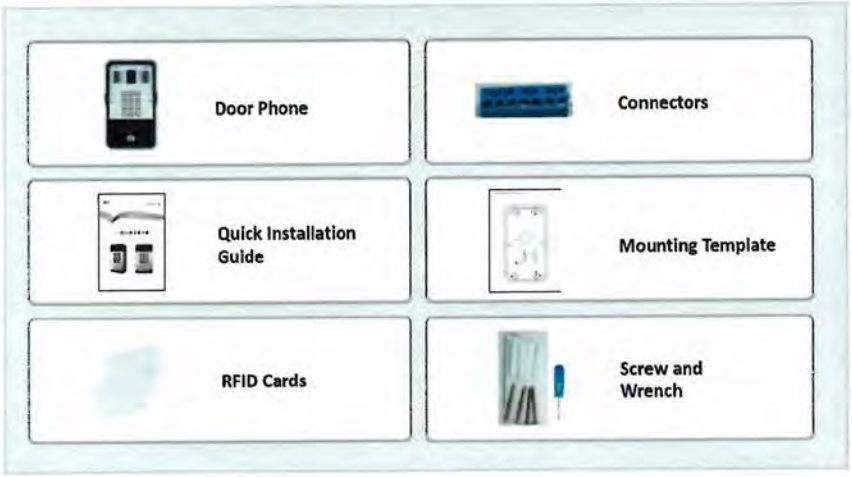
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1. Package Contents



2. Physical Specifications

Device size	223 x 130 x 74mm
Weight	1800g

1) Front Panel



Interface	Description
Camera	Get the video
Infrared light & Photoresistor	To Compensate for lack of ambient light
Speaker	The door phone has a built-in speaker for convenient communication and alert use.
MIC	The door phone has a built-in microphone hidden in the pinhole located on the front panel.
RFID Reader	Use RFID cards to unlock the door by touching RFID reader of device.

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Button Definition

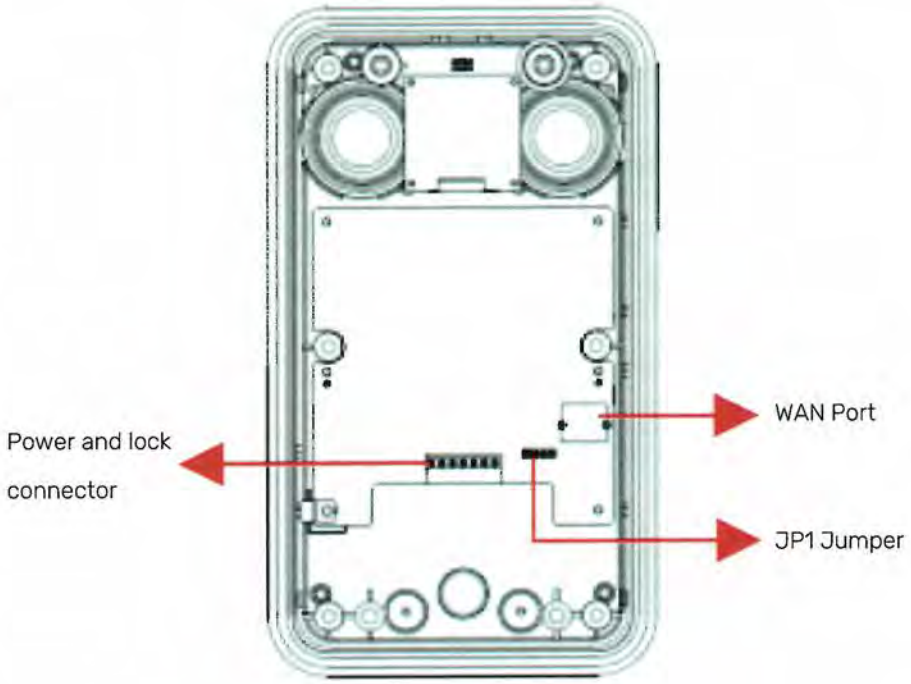
Button	Description
DSS Key	Press the Button to request to open the door or call.
Numeric Keyboard	Input password to open the door or call.

LED Definition

LED	Status	Description
Lock	Steady Blue	Door unlocking
	Off	Door locking
Call	Blinks per second	Hold
	Steady Blue	Call Hold
	Off	On Hook
Ring	Steady Blue	Ringing
	Off	On Hook
Network & SIP Registration	Blinks per second	Network error
	Off	Network is normal, SIP is not registered
	Blinks every 3 seconds	SIP Registration failed
	Steady Blue	SIP Registration succeeded

2) Port Definition

After removing the back panel of device, there is one terminal block connector for power and lock control connection as shown in the picture below

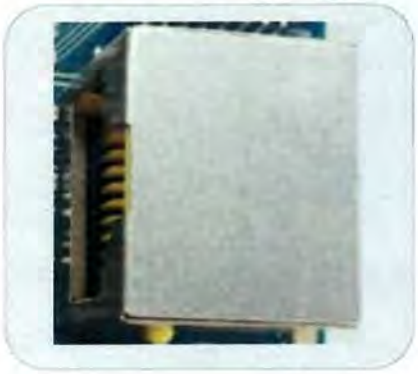


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Network Connector



Power and Electric-lock Connector



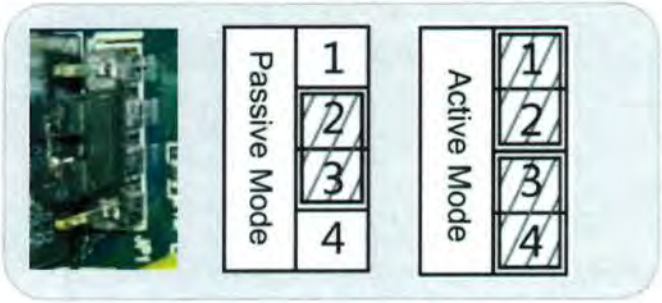
1	2	3	4	5	6	7
+DC12V	VSS	NC	COM	NO	S-IN	S-OUT
12V DC Input		Electric-lock switch			Indoor switch	

JP1 Jumper

There are two power supply modes for electric-lock as shown in the picture below.
(The default is **"Passive Mode:"**).

Passive Mode: When the electric-lock starting current is more than 12V/650mA, you must use the external drive mode, the electric lock interface for short circuit output control.

Active Mode : When the electric-lock starting current is less than 12V/650mA, you can use the internal drive mode, the electric lock interface is 12V DC output.



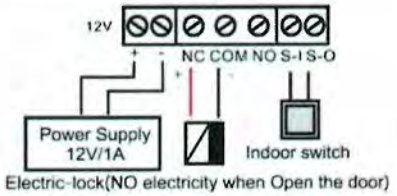
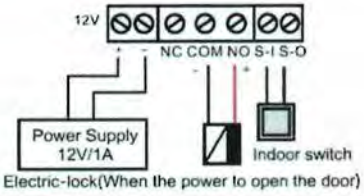
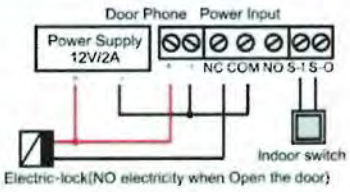
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Wiring instructions

NO: Normally Open Contact; COM: Common Contact; NC: Normally Close Contact

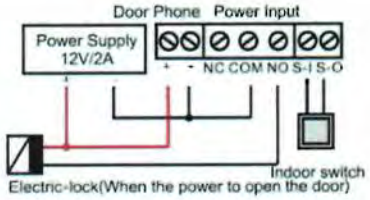
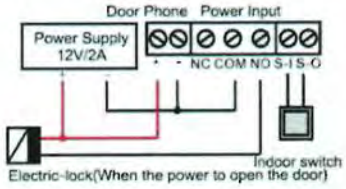
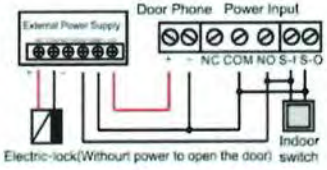
Driving Mode		Electric-lock Mode		JP1 Jumper	Connections
Active	**Passive**	**No electricity when open**	**Electrify when open**		
✓		✓			
✓			✓		
	✓	✓			

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	✓	✓		Passive Mode 1 2 3 4	
	✓		✓	Passive Mode 1 2 3 4	
	✓	✓		Passive Mode 1 2 3 4	

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3. Installation



Figure 1: Three Major Parts of IP3667

Step 1: Installation preparation

A. Check the following contents:

- Hex wrench x 1
- RJ45 plugs x 2 (1 spare)
- TA5 x 40mm screws x 4
- 35mm screw anchors x4

B. Tools that may be required:

- Hex wrench
- Phillips screwdriver (Ph2 or Ph3), hammer, RJ45 crimper
- Electric impact drill with an 6mm drill bit

Step 2: Drilling

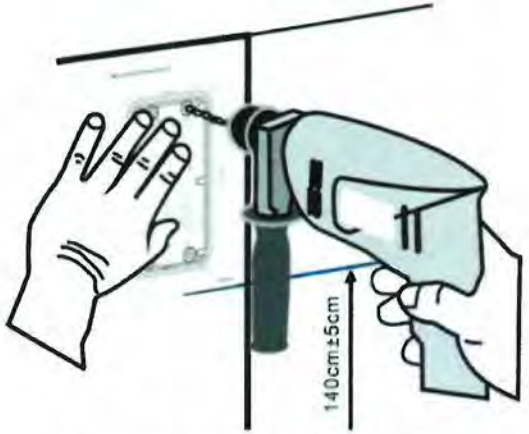


Figure 2: Wall Mounting

A. Place the mounting template with dimensions on the surface of a wall in the desired flat position.
B. Use an electric drill to drill the 4 holes marked on the mounting template. It is recommended to drill about 50mm deep. Remove the template when finished drilling.
C. Push or hammer screw anchors into the drilled holes.

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Power and Electric-lock Connector

A. With L-shaped screwdriver, unpack the front panel according to diagram (3) (Counter-clockwise) and (4)



Figure 3



Figure 4

B. With Phillips screwdriver, unpack the rain shade and the main part of intercom according to diagram (5)

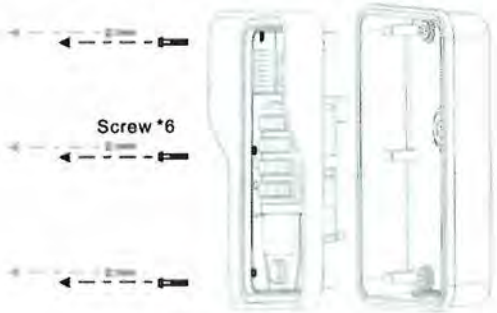


Figure 5

Step 4: Back panel fixing and cabling



Figure 6



Figure 7

A. Select the hole for cable supply, 15cm to 20cm cable length is recommended.
Note: The direction of the cable hole on back panel is pointing down.

B. With 4 TA5*40mm screws, tighten the back panel on the wall according to diagram (6).

C. Connect the cables of RJ45, power, and electric-lock to the motherboard socket as mentioned in connectors description (refer to Section 2).

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D. Test whether there is electricity by doing the following: Press the # button for 3 seconds to get the IP address of intercom by voice. Input access password or press the indoor switch to check electric-lock installation.

Note: Do not proceed mounting until you have finished the electric check

Step 4: Mounting

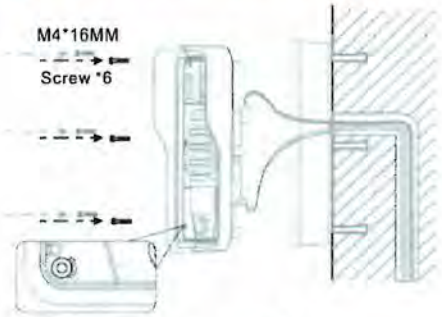


Figure 8



Figure 9

A. With 6 screws unscrewed before, tighten the main part (together with rain shade) of intercom on the back panel according to diagram (8).
B. Push the front panel into the plastic frame, and tighten it with 6 screws according to diagram (9).

Note: Make sure the screws have been tightened properly for better waterproof effect.

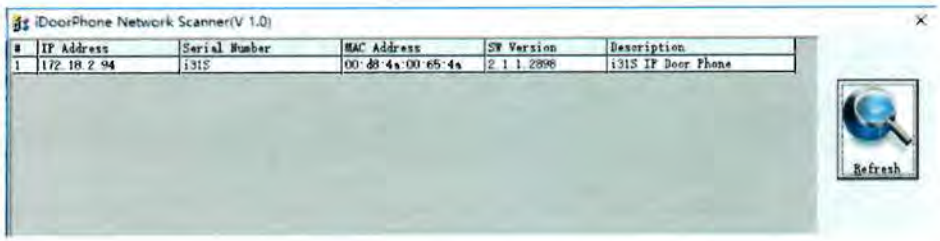
4. Searching Door Phone

There are two methods as shown below to search the device.

Method 1:

Open the iDoorPhone Network Scanner. Press the Refresh button to search the device and find the IP address.

Download here



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Method 2:

Press and hold the "#" key for 3 seconds and the door phone will report the IP address by voice. In addition, device provides the device surface DSS key operation to switch IP address acquisition mode: long press the DSS key for 10 seconds, until the speaker beeps, and then press the DSS key three times until the beep stops. Wait 10 seconds, and when it is successful , the system automatically broadcast the current IP address.



Default Setting	
Default DHCP Client	Enable
Static IP Address	192.168.1.128
Default Web Port	80
Default Login User Name	admin
Default Login Password	!0!V0iPd00R
Display IP address	Hold # for 3 seconds to display by voice
Search Tools	iDoorPhone Network Scanner

Note:
It is strongly encouraged to assign either a static or reserved DHCP IP address to the IP3667, as well as any desk phones that will receive IP calls from the IP3667 or access its video feed. Otherwise the IP address may change and the function keys will no longer work as configured.

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5. IP Door Phone Setting

Step 1: Log into the door phone

Input IP address (e.g. http://192.168.1.149) into address bar of PC's web browser. The default user name is admin and password is !0!V0iPd00R.



Step 2: Add the SIP account.

Set SIP server address, port, user name, password and SIP user with assigned SIP account parameters. Select "Activate", and then click Apply to save this setting.



Step 3: Setting DSS key

Set the DSS key as shown below for a quick start. Click "Apply" to save this setting.

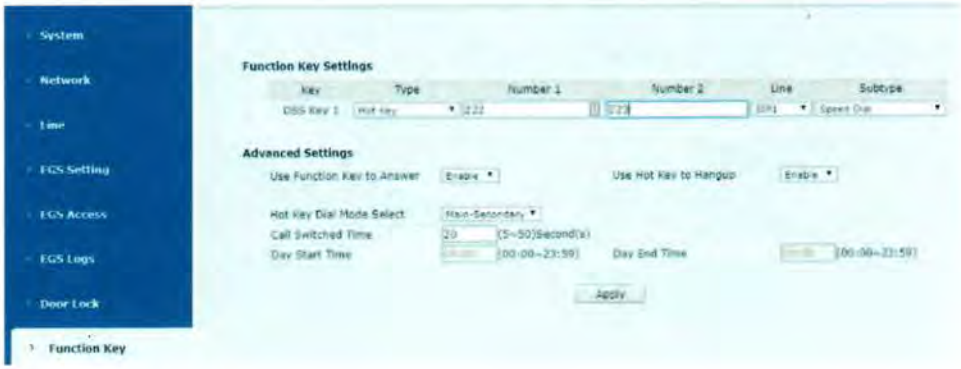
Type: Hot Key

Number 1: The DSS Key will dial to this Number 1.

Number 2: If Number 1 is unavailable, it will be forwarded to Number 2.

Line: Working line

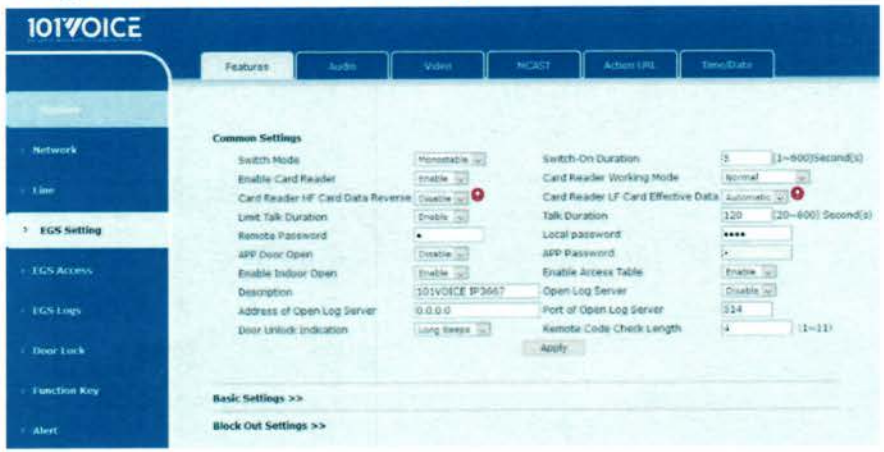
Subtype: Speed dial

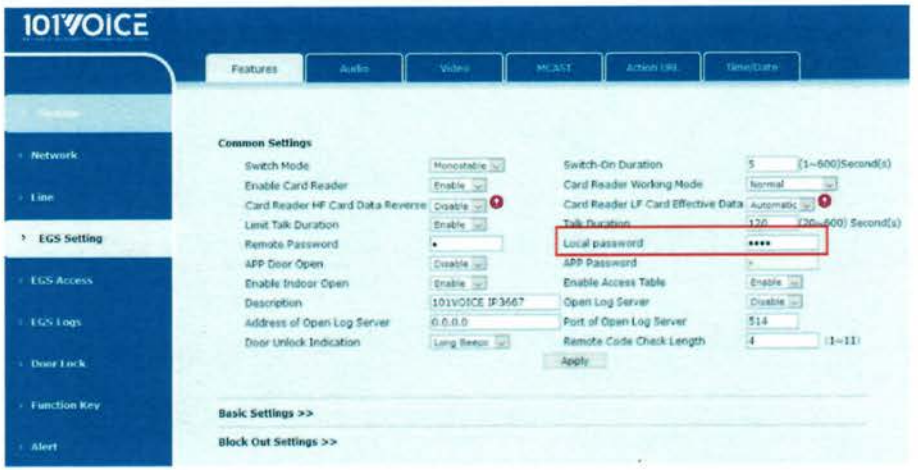


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Step 4: Door Phone Setting





6. Door Unlocking Setting

Local

1) Local Password

Step 1: Go to **EGS Setting** → **Features** → Set **Local Password** (The default is "**6789**").

Step 2: Use the device's **Numeric Keyboard** to input **password** and "#" key, and then the door will be unlocked.

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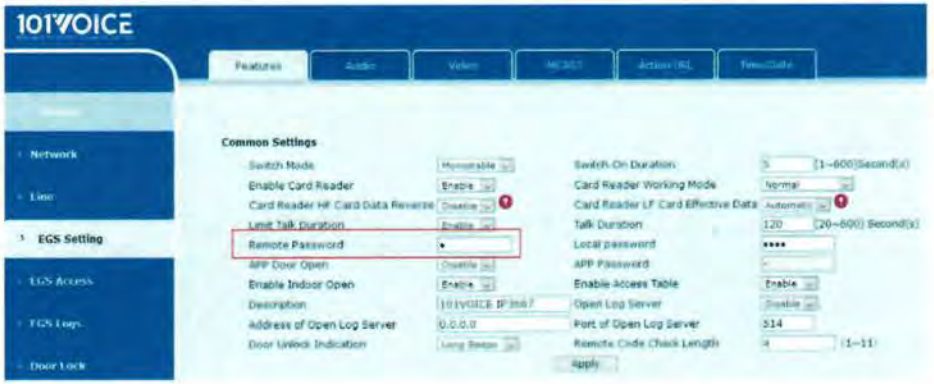


2) Private Access Code

Step 1: Go to **EGS Access** → **Access Rule** → set **Access Code.**
Step 2: Use the device's **Numeric Keyboard** to input **password** and "#" key, and then the door will be unlocked.



Remote
Remote Password
Step 1: Go to **EGS Setting** → **Features** → **Set Remote Password** (The default is "*").
Step 2: To answer the call made by the visit via SIP phone, press the "*" key to unlock the door for the visitor.



RFID Card

Step 1: Go to **EGS Access** → Enter the Name and ID Number (Only Front 10 yards) → Press **Add** to Access Table.
Step 2: Use preassigned RFID cards to unlock the door by touching the RFID area of the device.

