#### Monitor interior Android de 10" Wi-Fi

VRX-510W

Ideal para uso en edificios, hoteles y oficinas, fácil de instalar y configurar

ANDROID SIP POE ONVIF RS485

#### Descripción

**CYGNUS**<sup>%</sup>

El comunicador multifuncional VRX-510W, con sistema operativo Android, proporciona comunicación de audio y vídeo con Porteros exteriores a través del protocolo SIP abierto.

Ofrece la mejor experiencia de pantalla táctil en un diseño discreto y que ahorra espacio.

		•			
日 🖓 🂠 🌾 🤆 🤇		12:00 PM	2017/12/07		
CALL LIST					
Living Home			e		
Kicthen			MESSAGE		
Baby Room		₩2			
Dinning Room		MONITOR			
Front Gate			MORE		
Living Home	_				
🗞 All Call 🛆	$\bigtriangledown$	Ŕ			
Missed Call: 0		DND	OFF		

#### Especificaciones

#### Generales

- Pantalla táctil capacitiva de 7", modo ahorro de energía.
- Cámara CMOS incorporada de 1 Mpx
- WiFi incorporado (2.4Ghz)
- Recepción de vídeo desde el portero o cámara en la misma red
- Comunicación bidireccional en red, basada en el protocolo SIP.
- Alimentación PoE o fuente externa
- Incorpora aplicación de loT y PBX
- Android 6.0 / SIP / RTSP / R485 / PoE / IK06

#### **Características SIP**

- SIP v1 (RFC2543), SIP v2 (RFC3261)
- Línea: 2 Cuentas SIP





#### Características de la pantalla

- Tamaño del LCD: 10 pulgadas
- Relación de aspecto: 16:9
- Resolución: 1280\*800
- Relación de contraste: 800:1
- Luminosidad: 350cd/m<sup>2</sup>
- Angulo de visión: ± 89° izquierda, ± 89° derecha, ± 89° superior, ± 89° inferior

#### Características de audio

- Micrófono y altavoz incorporado
- Códec: G.711a, G.711μ, G.722, G.729
- Cancelación acústica de eco (CAE) en modo manos libres (tiempo de cola de 96ms)
- Generador de ruido Confort
- Max. Ajuste del tiempo de llamada

#### Características de vídeo

- Formato de transmisión: H.264
- Soporta RTSP y ONVIF

#### Características de red

- 2 Puerto RJ45 Ethernet 10/100 Mbps
- Configuración IP: estática / DHCP
- NTP para ajustes de horario por red

#### Características de gestión y operación

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/PnP
- Gestión a través de portal web o su pantalla táctil
- Backup de configuración para exportar e importar

#### **Características físicas**

- Pantalla táctil capacitiva 7" IPS LCD
- RAM / ROM: 2GB / 18GB
- Consumo de energía: entrada 12V DC, <12W</p>
- Sensor para alarma de sabotaje (Tamper)
- 🐎 2 salidas de relé (NO / COM / NC) 1 entrada a relé
- Relés controlados individualmente por tonos DTMF
- Puerto RS485
- Alarma: soporta 8 canales de entrada.
- Ranura entrada memoria micro SD.
- Instalación: Montaje empotrado o superficial en pared
- Temperatura: de (-10° a 45 ° C) Humedad: 10% a 90%
- Dimensiones: 251x182.5x22mm.





#### Aplicaciones en multivivienda





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Impreso en Argentina





#### Vista superior Descripción Lado derecho Cámara MIC **Micro SD slot CYGNUS** Pantalla táctil **VRX-510W RJ45** POE 11PIN GND BELL 485A 485B COM NO COM NO 0 0 0 0 10PIN 11PIN 10PIN GND 12V OUT Terminal de 11 PIN Ethernet (POE): Conector Ethernet (POE) Terminal de 10 PIN puede proporcionar conexión de red y de alimentación. RJ45 (PON): Comparte el acceso a la red, Interfaz de red (POE) para la conexión de PC u otros equipos. 12V / GND: Terminal de alimentación Interfaz RJ45 externa si POE no está disponible. RS485A / B: Terminal RS485. **T**UT Bell / GND: Conecte un simple timbre de puerta de dos cables. Altavoces Relé A / B (NO / COM / NC): Terminal 0 de control de relé. IO1- IO8 / GND: Conecte diferentes detectores de alarma para 8 zonas de seguridad.

# Guía de inicio rápido

#### Instalación

#### Paso 1: Instalación del soporte de pared



De acuerdo con la posición del cable en la pared, excave un agujero cuadrado (altura \* ancho \* profundidad = 66 \* 50 \* 50 mm) que pueda acomodar todos los cables.



Una vez que se hicieron los orificios de fijación, inserte los asientos de fijación de tornillo provistos.



0 0 0

excavado antes, luego marque los cuatro agujeros de fijación a través del soporte de pared en la pared.

Alinee el agujero cuadrado del soporte de pared con el agujero



Retire el soporte de pared, luego use un taladro de mano de 5 mm para hacer los cuatro orificios de fijación en la pared que marcó antes.

Gire el tornillo M3x10.5 en el orificio inferior del soporte hasta que la cola se alinee con el borde. Luego fije el soporte de pared en la pared con cuatro tornillos ST4x20. Si hay un cable a tierra que se va a conectar, use el tornillo M3x6 para fijarlo - en el soporte de pared.



## Alta de un contacto

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En el dispositivo, vaya a Más - Contactos - Libreta de teléfonos local.

Ingrese a la interfaz de contacto, y luego presione el símbolo + para agregar un nuevo contacto.① Escriba el nuevo nombre de contacto ②. Haga clic en Número 1/2/3 ③ para ingresar el número 1/2/3, que podría ser **número SIP** o **dirección IP**. Haga clic en Camera URL ④ para ingresar la URL RTSP de la unidad exterior. **Nota:** URL RTSP del monitor Cygnus:

#### rtsp://IP(dispositivo)/live/ch00\_0

Toque Cancelar <sup>(6)</sup> para cancelar la operación o presione <sup>(5)</sup> Confirmar para hacer cambios en la configuración de contacto.

#### Alta de cámaras

En el dispositivo, vaya a Más - Ajustes - Más (por defecto 123456)-Monitor - Nuevo.

**Número:** Número de la extensión si es SIP o dirección IP. **Número de identificación**: Nombre con el cual identificaremos la cámara.

Dirección RTSP: rtsp://(IP cámara)/live/ch00\_0 / Ejemplo: rtsp://192.168.5.99/live/ch00\_0

**Nombre de usuario**: Nombre de usuario de la cámara. **Contraseña**: Contraseña de la cámara.





Número:		
	1001	
Número de identifica	ación del intercomunicador:	
	Cámara fondo	
Dirección RTSP:		
	rtsp://192.168.5.99/live/ch00_0	
Nombre de usuario:		
	admin	
Contraseña:		

**Importante:** El monitor esta en **DHCP** por defecto. Para comprobar IP vaya a **MÁS - ESTADO - RED**.

#### Realizar una llamada

1-Llamada desde la lista de contactos



2-Llamada desde teclado por IP o SIP

- Call		08:2	5 AM		Mon 21-01-
192.168.35.224					
Lobby R295	817 AM	$\odot$	4/4		Sean
Living Room (T82	BISAM	0	1	2	3
224.1.6.11:51230	B14 AM	0	4	5	6
		Ŭ	7	8	9
			ن م		œ
			& Audio C	a 😵	Video Call

#### Para más información vea su manual y hoja de datos en:

www.cygnus.la/manuales/cy-vrx-510w.pdf

www.cygnus.la/hojasdedatos/cy-vrx-510w.pdf

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# 2. Daily Use

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# 2.1. Starting

When booting VRX-5 first time, users need to choose a suitable way to connect to network, wireless or wire.

To choose a proper device mode according to specific application scenarios. VXR-5 supports 3 modes, including **Cloud**, **Discovery** and **SDMC**. It only pop up Cloud Mode and Discovery Mode for users choosing. Tap **Skip** if users are adopting SDMC mode. Discovery mode is default mode if you don't choose any device mode.

**Discovery mode:** It is a plug and play configuration mode. Cygnus devices will configure themselves automatically when users power on the devices and connect them to network. It is super time-saving mode and it will greatly bring users convenience by reducing



Figure 2.1-1 Network selection



Figure 2.1-2 Device mode selection

manual operations. This mode do not need to be done any configurations previously by the administrator.

**Cloud mode:** Cygnus Cloud is an all in one management system. Cygnus Cloud is the mobile service that allows audio, video, remote access control between smart phones and Cygnus intercoms. All configurations in the device will be issued automatically from cloud. If users decide to use Cygnus cloud, please contact administrator, who will help to configure related settings before using.

**SDMC mode:** SDMC is a center management software which is suitable for managing a community in LAN. The device will get settings from SDMC automatically.

# 2.2. Making a Call

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There are 6 ways to establish VOIP calls by VRX-510W

## 2.2.1. Calling from Call List

In the home page, choose a number from **Call List** to make a call.

 Scroll up or down the Call List to choose the contact that users want to call.

**Note:** In Cloud or SDMC mode, the **Call List** of VRX will be issued from the system.

## 2.2.2. Calling from All Call

In the home page, it could call multiple indoor monitors if they are set under the same multicast address. During the session, VRX is listened by other indoor monitors.



Figure 2.2.1-1 Call from call list



Figure 2.2.2-1 Call from all call

• Tap **All Call** icon to call other indoor monitors which are set in the same multicast group.

# 2.2.3. Calling from Missed Call

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In the home page, missed call indicates how many calls that users missed (1 missed call for an example). Missed call could be treated as a brief call log.

- Tap Missed Call icon ① to view the calls that were not answered before.
- Choose the contact on the call list 2 which users want to call out.
- Click account above the keypad ③ to switch accounts to make a call.
- Choose Audio ④ or Video ⑤ mode to call out.







• Choose Audio ③ or Video ④ mode to call out.

## 2.2.6. Calling from Keypad

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On the device, go to More - Call to get access to keypad.

- Click account icon ① above the keypad to switch accounts to make a call.
- Input the SIP account /IP address to the keypad ② to call the corresponding devices or soft phone.
- Choose Audio ③ or Video ④ mode to call out.

# 2.3. Receiving a Call

# 2.3.2. Receive an Incoming Call

VRX supports to preview the caller when it receives an incoming call from door phone.

Tap **Answer** to pick up the incoming call.



Figure 2.2.6-1 Call from keypad



Figure 2.3.1-1 Incoming call

• Tap **Cancel** to reject the incoming call. Press "+" or "-" of the volume on the right side to adjust the ring tone volume.

## 2.3.3. During the session

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Tap **Unlock** to open the corresponding door (if the call is from outdoor unit).

Tap **Capture** to take a screen shot of current interface.

- Tap Mute to eliminate the voice on VRX's side.
- Tap **Switch** to switch from video call to audio call or vice versa.
- Tap **Cancel** to hang up the current call.

# 2.4. Monitor

Monitor feature enables users to view the real-time video from IP cameras or door phones anytime. Click **Monitor** in the home page.



Figure 2.3.2-1 During session



Figure 2.4-1 Monitor

## **2.4.1. Checking the Monitor**

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Choose the outdoor devices from the list. The real-time video from the door phone or IP camera will show in the screen .

- Press Unlock to open the door which is connected with door phone.
- Press **Capture** to take a screen shot of current interface.
- Press **Cancel** to exit the monitoring.
- Press List button in the bottom right corner to wake the outdoor video list.
- Press the Monitor list in the right side to choose the outdoor videos.

**Note:** Only under Discovery mode, users need to press **Update** key manually to synchronous the devices which is in the same node.



Figure 2.4.1-1 Live view list



Figure 2.4.1-2 Live view video

# 2.5. Message

**Message** ① indicates how many messages are unread (An unread message for an example). Or directly enter the message interface to manage.

# 2.5.1. Text Message

- Tap **Message** ① on the main interface to view the unread message.
- Tap the unread message ② to view the message in details.







Figure 2.5.1-1 Text message

# 2.5.2. Creating a Message

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- Press **New** key ① to create a new message.
- Enter the destination number manually 2 or choose the contact from the contact list 3 or select the device quickly from the below list 4.
- Choose the frequently used message (5), such as "Hello,"
  "Help." Or input the message content which users want to send
  (6).
- Press **Send** key ⑦ to send.



Figure 2.5.2-1 Create message



Figure 2.5.2-2 Create message

# 2.5.3. Deleting a Message

- Long press the message ① to select it.
- Click Select All ② to select all message in the message lists.
- Click **Delete** ③ to delete the messages have been selected.
- Click **Cancel** ④ to cancel the operation.
- Click **Back** icon (5) to exit the message interface.



Figure 2.4.2-1 Delete message

# 2.6. Arming

Tap **Arming** to enter the Arming interface. Arming feature is not displayed by default. Users can ask administrator to enable it. Please refer to chapter 3.4.10.

VRX supports 4 modes, including **Home** mode, **Night** mode, **Away** mode and **Disarmed** mode.

## 2.6.1. Arming Mode

Go to **Arming - Arming mode**. Users can see all of the 8 zones and corresponding sensor types. Slide down to check more information in this interface.

- Adjust Defence delay time. It means when users change the arming mode from other modes, there will be 90 seconds delay time to get activated.
- To setup the **Alarm delay**. It means when the sensor triggered, there will be 90 seconds delay time to announce the



Figure 2.6-1 Arming

ð		08:4	19 AM		Mon 21-01-2013
← Arr	ning Mode				$\bigotimes$
	Home	Ni	ight	Awa	y
Zone1	Guest room	Doorbell	90s delay	90s delay	24H
Zone2	Bedroom	Infrared	90s delay	90s delay	Disable
Zone3	Bedroom	Infrared	90s delay	90s delay	Disable
Zone4	Bedroom	Infrared	90s delay	90s delay	Disable
Zone5	Bedroom	Infrared	90s delay	90s delay	Disable
Zone6	Bedroom	Infrared	90s delay	90s delay	Disable
Zone7	Bedroom	Infrared	90s delay	90s delay	Disable
Zone8	Bedroom	Infrared	90s delav	90s delav	Disable

Figure 2.6.1-1 Arming mode

notification.

- The **Status** in the corresponding zone means whether the zone is available or not.
- Press **Save** in the top right corner to save the modification.

## 2.6.2. Disarm Code

Go to **Arming** - **Disarm Code** to enter the disarm code settings interface. Users can modify the disarm code here.

- Enter the **original disarm code** ① first, and it is 0000 by default.
- Enter the **new disarm code** 2.
- Enter the new disarm code again ③ for confirming.
- Press **Save** to save the modification.



Figure 2.6.2-1 Disarm code

## 2.6.3. Alarm Log

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Go to **Arming - Alarm Log** to enter the alarm log interface. Users can check the alarm log, including "location," "zone," "zone type" and "alarm time."

- Hold an **alarm log** ① and it will show up delete prompt.
- Press Select All 2 to delete all alarm log or select a part of existed messages then click Delete 3.
- Press **Cancel** ④ to cancel to deletion.

#### 2.6.4. Status

Go to **Arming - Zone Status** to enter the zone status interface. Users can check the status of zones, including "location," "zone type," "trigger mode" and "status."



Figure 2.6.3-1 Alarm log

ð			08:50 AM		Mon 21-01-2013
←	Zone Status				
					Status
	Zone1	Guest room	Doorbell	NO	24H
	Zone2	Bedroom	Infrared	NC	Disable
	Zone3	Bedroom	Infrared	NC	Disable
	Zone4	Bedroom	Infrared	NC	Disable
	Zone5	Bedroom	Infrared	NC	Disable
	Zone6	Bedroom	Infrared	NC	Disable
	Zone7	Bedroom	Infrared	NC	Disable
	Zone8	Bedroom	Infrared	NC	Disable

Figure 2.6.4-1 Alarm status

# **3. Basic Features**

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# 3.1. Accessing the System Settings

## 3.1.1. Advanced System Setting

On the device, go to **More - Settings - More** (Default password is 123456) to access advanced system settings.

The latter **More** interface have more advanced features' settings.

# 3.2. Accessing the Website Setting

## 3.2.1. Obtaining IP address

On the device, go to **More - System Info - Network** to check the device's IP address.



Figure 3.1-1 System setting

£		05:07	Wed 19-09-2018
←	System Info		
	Basic		Account
	Access Mode	DHCP	
	IP address	192.168.35.241	
	Subnet Mask	255.255.255.0	
	Gateway	192.168.35.1	
	Primary DNS	192.168.35.1	
	Secondary DNS	8.8.8	

Figure 3.2.2-1 Network status

## **3.2.2. Accessing the Device Website**

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Type the device's IP address on browser, and input default user name and password: **admin** /**admin** to access the web interface. **Note:** The recommended browser is Google Chrome.

# 3.3. Password Modification

## 3.3.1. System Code Modification

On the device, go to More - Settings - More - System Code. System code is used to enter higher level More interface, and the original system code ① is 123456. Administrator can edit a new system code ② to prevent someone from tampering with the advanced configurations, and then confirm the new one ③ and click submit ④ to save.

Login	
User Name Password	admin ••••• Remember Username/Password Login

#### Figure3.2.2-2 Login web





#### **3.3.2. Setting Code Modification**

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On the device, go to **More - Settings - More - Setting Code**. Setting code is used to enter "Setting interface," and the **original setting code** ① is null. Administrator can edit a **new setting code** ② to prevent someone from entering the setting interface, and then confirm the new one ③ and click submit ④ to save.

## 3.3.3. Web Password Modification

Access the website, go to **Security** - **Basic** to modify the default website password "admin." Enter the original password and new password, and confirm the new password again.

**Confirm Password:** To enter the new password again to confirm there is no mistake.



#### Figure 3.3.2-1 Setting code



Figure 3.3.3-1 Web Password

# 3.4. Phone Configuration

## 3.4.1. Language

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On the device, go to **More - Settings - Language** to choose a suitable phone screen display language, and it is English by default. In the website, go to **Phone - Time/Lang** to select a web language, and it is English by default.

#### 3.4.2. Time

On the device, go to **More - Settings - Time** to enter the time setting interface. **Automatic Date Time:** Tick to enable NTP server. **Set Date:** To set the date manually. **Set Time:** To set the time manually. **Time Zone:** To select which time zone user is in.

**Use 24-Hour Format:** To enable 24 hours format for a day.

ත	05:08 W	/ed 19-09-2018
←	anguage	$\bigotimes$
	中文 (繁體)	

#### Figure 3.4.1-1 Phone language

Web Language			
Туре	English <b>•</b>		

Figure 3.4.1-2 Web language

Date Format: To select different date format.

**NTP Server:** To fill in the NTP server to get time automatically.

On the web portal, go to Phone - Time/Lang.

**Time Zone:** To select which time zone user is in.

Primary Server: To fill in NTP server to get time automatically.



Figure 3.4.2-1 Time setting

	NTP	
Time Zone	GMT+8:00 Beijing	¥
Primary Server	0.pool.ntp.org	

Figure 3.4.2-2 NTP setting

# 

# 3.4.3. Network

#### 3.4.3.1. Network Status

On the device, go to More - System Info - Network.

Users could check the basic network status from this interface,

including access mode, IP address parameters and so on.

On the web portal, go to **Status - Basic - Network Information** to check network information.

රි		05:07	Wed 19-09-2018
←	System Info		
	Basic	Network	Account
	Access Mode	DHCP	
	IP address	192.168.35.241	
	Subnet Mask	255.255.255.0	
	Gateway	192.168.35.1	
	Primary DNS	192.168.35.1	
	Secondary DNS	8.8.8	

#### Figure 3.4.3.1-1 Network info

Network Information			
LAN Port Type	DHCP Auto		
LAN Link Status	Connected		
LAN IP Address	192.168.35.30		
LAN Subnet Mask	255.255.255.0		
LAN Gateway	192.168.35.1		
LAN DNS1	192.168.35.1		
LAN DNS2			

Figure 3.4.3.1-2 Web network info

#### 3.4.3.2. Network Settings

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#### On the device, go to More - Settings - More - Network.

**DHCP:** Tick the DHCP option to configure the network as DHCP mode, and then VRX will obtain the IP address, and other network parameters automatically.

**Static IP:** Fill in the parameters of LAN IP, subnet mask, gateway, pri DNS server and sec DNS server manually.

On the web portal, go to **Network - Basic** to configure the network settings.

£Р				
← Network				
DHCP				
LAN IP	192.168.35.241	1	2	2
Subnet Mask	255.255.255.0	•	2	3
	192 168 35 1	4	5	6
	100 160 05 1	7	8	Q
Pri Dins Server	192.108.35.1	-	•	
Sec DNS Server	8.8.8.8		0	$\boxtimes$
			ок	

Figure 3.4.3.2-1 Wire network setting

LAN Port			
DHCP			
Static IP			
IP Address	192.168.35.241		
Subnet Mask	255.255.255.0		
Default Gateway	192.168.35.1		
LAN DNS1	192.168.35.1		
LAN DNS2	8.8.8.8		

Figure 3.4.3.2-2 Wire network setting

#### 3.4.3.3. WIFI Setting (optional)

On the device, go to **More - Settings - More - WiFi** to enable the WIFI feature, choose the suitable AP (Access point), and then enter the password to connect to it.

#### 3.4.3.4. Local RTP

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On the web portal, go to Network - Advanced - Local RTP.

**Starting RTP Port:** To determine the minimum port for RTP stream.

Max RTP Port: To determine the maximum port for RTP stream.

#### 3.4.4. Display Settings

On the device, go to **More - Settings - Display**. **Brightness:** To adjust the brightness which is 145 by default. The

range is from 0 to 255. The bigger value means the brighter screen.



Figure 3.4.3.3-1 Wireless network

Lo	cal RTP	
Starting RTP Port	11800	(1024~65535)
Max RTP Port	12000	(1024~65535)

Figure 3.4.3.3-1 RTP setting

# 

**Sleep:** To configure the sleep delay which is 1 minute by default. If there is no any operation in 1 minute, it will turn to sleep screen.

**Screen Saver Lock Time:** To configure the time to make it display sleep screen when it is in screen savor mode.

Screen Saver: To enable screen saver mode.

**Screen Lock:** To enable the lock of screen, the device will be unlocked over the sleep time.Users are required the face recognition (Face ID) or password to wake up VRX.

**Screen Clean:** Press screen clean to clean the screen, and it will keep users from misusing.

**Font Size:** To adjust the size of words which is displayed on the screen.

## 3.4.5. Sound Settings

On the device, go to **More - Settings - Sound**. **Ring Volume:** To set ring volume for incoming calls.

ති	05:04	Wed	19-09-2018
←	Display Setting		$\oslash$
	Brightness 145		
	Sleep 1 minute		
	Screen Saver Lock Time 30 minutes		
	Screen Saver		
	Font Size Normal		

Figure 3.4.4-1 Display setting

රි		05:05	Wed	19-09-2018
←	Sound			$\oslash$
	Ring Volume			
	Talk Volume			
	Tone Volume			
	Ring Tones	Flutey Pl	none	
		Pixie	Dust	

Figure 3.4.5-1 Sound setting



Talk Volume: To set talk volume during the call.

Tone Volume: To set tone volume.

**Ring Tones:** To set different ring tones for incoming call.

**Notification Sound:** To set notification sound when receiving message.

## 3.4.6. Door Bell Sound

On the web portal, go to **Phone - Audio**.

**Upload:** To choose the suitable sound file from the local folder. Click Import to save. Please note the tip about the sound file format. **Sound File:** Choose one sound file from imported sound files before.

E	Doorbell Sound
Upload(.wav/.mp3)	Choose file No file chosen
	Import Cancel
Sound File	•
	Delete

Figure 3.4.6-1 Doorbell sound

# 3.4.7. DND

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The full name of DND is Do Not Disturb. It allows VRX to ignore any incoming calls.

 On the device home screen, tap the DND to able or disable DND function.

On the web portal, go to **Phone - Call feature - DND**.

**DND:** Enable or disable this function.

**Return Code When DND:** To configure the return code to caller when rejecting the call.

**DND On Code:** The code is used to turn on DND on server's side, if configured, VRX will send a SIP message to server to turn on DND on server side if users press DND when DND is off.

**DND Off Code:** The code is used to turn off DND on server's side, if configured, VRX will send a SIP message to server to turn off DND on server side if users press DND when DND is on.



Figure 3.4.7-1 DND switch

	DND	
DND	Enabled 🔻	
Return Code When DND	486(Busy Here)	•
DND On Code	*56	
DND Off Code	*57	

Figure 3.4.7-2 DND setting
# 3.4.8. Capture

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On the device, go to **More - Settings - Call Feature**.

VRX will automatically take a screenshot from the visitor during the talking, or users can tap the **Capture** key during the live view or calling manually and the capture will be saved in the default path. Users can change the default path by themselves.

## 3.4.9. Logo

On the web portal, go to **Phone - Logo**.

Users are able to upload the logo picture, VRX will display the logo when powering up.

Click **Reset** to reset the boot logo to original one.



Figure 3.4.8-1 Capture path

Bo	ot Logo	
Boot Logo(.zip/.png)	Choose file	No file choser
(Format: max 1280*800 png)	Import	Reset

Figure 3.4.9-1 Boot logo

## 3.4.10. Key Set of VRX Monitor

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On the web portal, go to **Phone - Key/Display**. Users can customize the feature icon display, to choose which feature will be shown and where it will be displayed.

**Type:** To select which function shall be displayed on the home page or more page. "DND" and "Message" are displayed on home page, "Call," "Contact," "Settings" and "Status" are displayed on more interface by default.

**Value:** To fill in corresponding parameters for some types. For example, if users want to display a third party APP on the home screen, the type shall be chosen as "Custom APK" and fill in the value with corresponding package name and class name.

**Example:** To view the display example of VRX on home page interface or more interface.

	nome rage displa	y Example
Area	Туре	Value
Area 1	DND 🔻	
Area 2	Message 🔻	
	More Page Display	/ Example
Area	Туре	Value
Area 1	Call 🔻	
Area 2	Contact 🔻	
	Settings T	
Area 3	Securitys	
Area 4	DND V	
Area 3 Area 4 Area 5	DND T	
Area 3 Area 4 Area 5 Area 6	DND     ▼       Arming     ▼       SOS     ▼	
Area 3 Area 4 Area 5 Area 6 Area 7	DND     ▼       Arming     ▼       SOS     ▼       Motion Detectior     ▼	

Figure 3.4.10-1 Icon display

# 3.5. Local PhoneBook

## **3.5.1. Adding a Contact**

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On the device, go to More - Contacts - LocalPhoneBook.

- Enter Contact interface, and then press + symbol ① to add new contact.
- Type in new contact name 2.
- Click Number 1/2/3 ③ to enter number 1/2/3, which could be SIP number or IP number. It is supported 3 numbers for each of the contact person.
- Click **CameraUrl** ④ to enter RTSP URL of outdoor unit.

**Note:** The RTSP URL of Cygnus door phone is rtsp://device\_ IP/live/ch00\_0.

• Tap **Cancel** (6) to cancel the operation or press **Confirm** (5) to make changes to the contact setting.





## **3.5.2. Editing a Contact**

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On the device, go to **More - Contacts - Local PhoneBook** to enter contact interface, and select one existed contact.

- Press Edit icon ① to modify the exited contact.
- Press **Delete** icon ② to delete a existed contact.

On the web portal **PhoneBook** - **Local Book**, users can also do some modification about contact.

**Contact:** To display all contact or black list.

**Search:** To search the contact by entering number or name.

Dial: To dial out the number that users have filled in.





Loca	l Book						
Сог	ntact	All	Contacts 🔻				
Sea	arch			E	Search	Reset	
Dia	I		Auto	•	Dial	Hand U	р
Index	Name	Number 1	Number 2	Numb	per 3	Group	
1	Dan	1005	1006	100	07	Default	
2	Joc	1002	<u>192.168.35</u>	100	03	Default	
3							
4							

Figure 3.5.2-2 Web contact

## 3.5.3. Contact Import/Export

**Import/Export:** To import or export the contacts in bulk, please make sure the format is correct.

## 3.5.4. Black List

On the device, go to More - Contact - LocalPhoneBook - Black List.

- Click **All Contacts** ① to switch the local phone book from all contacts to black list or vice versa.
- Press + ② to add number into black list.
- Click phone book icon ③ to view the existing contacts in local phone book.
- Tap contacts ④ to select the corresponding contact person into black list.
- Tap Select All (5) to select all contacts.









- Tap **Confirm** (6) to add contacts into black list.
- Tap **Cancel** ⑦ to cancel the operation.

On the web portal, PhoneBook - Local Book - Contact - Blacklist.

User can also do some configurations.

**Contact:** To display black list or all contact.

**Search:** To search the contact by entering number or name.

Dial: To dial out the number that users have filled in.

BlackList Setting: To add new contact to black list.

Contact Search Dial		Black Lis	t 🔻		
				Search	Reset
			Auto		Hand Up
dex	Name	Number 1	Number 2	Numbe	er 3
1	Joc	1002	<u>192.168.35</u>	100	3
2					
3					
4					
5					
6					
7					
8					
9					
10					

Figure 3.5.4-2 Blacklist in web

ime	Jocelyn		
mber 1	1002		
lumber 2	192.168.35.125		
Number 3	1003		

Figure 3.5.4-3 Add blacklist

# 3.6. Intercom Call

## 3.6.1. IP Direct Call

Without sip server, users can also use IP address to call each other,

but this way is only suitable in the LAN.

On the web portal, go to **Phone - Call Feature - Others - Direct IP** to enable the direct IP function.

Enter the IP address of the caller, and then press **Audio Call** or **Video Call** to make a call.

## 3.6.2. SIP Call

Sip call uses sip number to call each other which should be supported by sip server. Users need to register an account and fill some sip feature parameters before using it.



#### Figure 3.6.1-2 Direct IP call



Figure 3.6.2-1 SIP call

# 3.6.3. Account Status

On the device, go to **More - System Info - Account**. Users could check the basic SIP account status here, registered means it is ready for using.

On the web portal, go to **Status - Account** information to check the basic information of SIP account.

	05:07	Wed 19-09-2018
System Info		
Basic	Network	Account
Account 1		
Account 2		Inactive
	System Info Basic Account 1 Account 2	System Info Basic Network Account 1 Account 2

Figure 3.6.3-1 Account status

	Account Information
Account1	1004@192.168.35.230
	Registered
Account2	None@None
	Disabled
	Figure 3.6.3-2 Account info

## 3.6.4. SIP Account

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On the device, go to More - Settings - More - Account.

Active: To activate SIP account.

**Label:** To enter the label name of this account, which will show on the account status interface.

**Display Name:** To enter the display name of this account, which will show on other devices when making calls.

**Register Name:** To enter the number registered onto SIP server.

**User Name:** To enter the extension number registered onto SIP server.

**Password:** To enter the password of the corresponding users.



Figure 3.6.4-1 SIP account

SIP Account				
Status	Registered			
Account	Account 1			
Account Active	Enabled 🔻			
Display Label	Sean			
Display Name	Sean			
Register Name	1004			
User Name	1004			
Password				

Figure 3.6.4-2 Web SIP account

## 3.6.5. SIP Server

Enter the SIP account address which points to the sip server.

Server IP: To enter SIP server's IP address or URL.

**Port:** The specified port number for the sip server.

**Registration Period:** The registration will expire after registration period, and VRX will re-register automatically within registration period.

On the web portal, go to **Account - Basic** to check the information of SIP account in details.

## 3.6.6. Outbound Proxy Server

On the web portal, go to **Account - Basic** to setup outbound proxy server.

**Outbound Proxy Server:** To configure the proxy server to receive all initiating request messages and route them to the designated SIP server.



Figure 3.6.5-1 SIP server







Figure 3.6.6-1 Outbound server

## 3.6.3. Auto Answer

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In the device, go to **More - Setting - Advance - Direct IP** to configure the auto answer settings for direct IP calls. **Auto Answer:** Enable/disable the auto answer feature of the Direct IP calls. If enabled, when there is a direct IP incoming call, VRX will answer the call automatically.

On the web portal, go to **Account - Advanced** to enable /disable auto answer feature for SIP calls. It will auto answer all incoming calls if it is enabled.

On the web portal, go to **Phone - Call Feature - Others** to enable indoor auto answer. It will auto answer all incoming calls from indoor monitors.

**Note:** Indoor auto answer is available with both direct IP and SIP accounts.



On the web portal, go to **Phone - Call Feature** to setup auto answer whitelist. It will auto answer the incoming calls when the caller is in white list.

Device Location: To enter the device name /location.

**SIP/IP:** To enter the SIP /IP number of the corresponding devices.

**Auto Answer WhiteList:** To display the SIP /IP number stored in VRX's white list.

Note: White list takes effect both SIP account and IP address.

## 3.6.9. Assistance call

Assistance call is used to call out the emergency numbers in loop times when users need help. Users could choose to display SOS on the home /more page, please refer to chapter 3.4.10 about the feature display setting.



Auto Answei WhiteList					
Index	Device Location	SIP/IP			
1	Lobby R29S	1006			

#### Figure 3.6.8-3 Whitelist setting display

ð	10:21 AM	Mon	21-01-2013
←	Assistance		$\oslash$
	Call Number1 11		
	Call Number2 22		
	Call Number3 33		
	Call Timeout 5s		
	Loop Time 1		

Figure 3.6.9-1 SOS call

**Call Number:** To setup 3 SOS numbers. Once users press SOS key on the home page (SOS display key shall be set on the web manually), VRX will call out the number in order.

**Call Timeout:** Setup the timeout for each number. Once users call out, if the other side will not answer within the timeout, VRX will continue to call the next number.

Loop Times: To setup the call loop times.

## 3.6.10. Multicast

Multicast function could only be applied among indoor monitors. After configuration on the web portal, users could tap **All Call** on the home page of the device to make a call.

On the web portal, go to Phone - Multicast.

**Multicast Setting:** To set the VRX in one of the groups or disable this function.

	Multicast Setting	
ulticast Group	1	▼
Fi	gure 3.6.10-1 Multicast group	
	Listen List	
Listen Group	Listen Address	Label
	224.1.6.11:51220	Test All Call
Multicast List 1	224.1.0.11.51250	rest_Air can
Multicast List 1 Multicast List 2	224.1.0.11.31230	rest_Air cair

Figure 3.6.10-2 Multicast address setting

**Multicast List:** To fill in the parameters of multicast group. VRX will establish multicast calls to other indoor monitors which are set in multicast group.

Listen List: To fill in the parameters of listen group. VRX will receive multicast calls if some indoor monitors call the listen group. Label: To show the label name on the calling interface if users establish all call.

# Multicast ListMulticast GroupMulticast AddressMulticast Group 1224.1.6.11:51230Multicast Group 2224.1.6.11:51231Multicast Group 3224.1.6.11:51232

Figure 3.6.10-3 Multicast group

# 3.7. Security

## **3.7.1. Monitor Settings**

Monitor will help users to check real-time video of the surrounding environment of house. In the device, go to **More - Settings - More -Monitor**.

**Number:** To enter the IP address/SIP number of the corresponding camera. Enter the RTSP or ONVIF URL of the door phone or IP camera.



Figure 3.7.1-1 Live view

**Doorphone ID/Device Name:** To enter the ID number of doorphone, which could be set by users.

**RTSP Address/Destination URL:** To set the RTSP URL for the door phone. The RTSP format of Cygnus door phone is **rtsp://device IP/live/ch00\_0**.

**User Name:** To enter the user name if required.

**Password:** To enter the password if required.

On the web portal **Phone** - **Monitor**, users can also setup the monitor information.

# 3.8. Access control

## 3.8.1. Face ID

On the device, go to **More - Settings - More - Face ID** to setup face ID to access to VRX, which provides setting security.

	63 N				
	Number		1007		
	Device Name		Gateway		
	Destination URL		rtsp://192.168.35.121/		
	User Name		admin		
	Password		•••••		
	Add		Edit Cancel		
		C	Door Phone		
Index	Number	Name	URL	User Name	
1	1007	Gateway R26 r	tsp://192.168.35.121/live/ch00_0	admin	
		Figure 3.7.1	I-2 Live view in web		

Figure 3.9.2-1 Face ID

- To implement face ID feature on VRX the **Screen Lock** on display setting interface should be enabled first.
- The whole process is actually self-explanatory, follow the indication to record users' face ID to VRX
- When screen lock is enabled, users could choose face ID or password (System code) to enter VRX.

## 3.8.2. Local Relay

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VRX has NO/NC/COM three terminals which supports to connect locks by itself.

Go to **Phone - Relay** to setup the DTMF code of local relay in website. Users can press the **Unlock** key during the call.

Relay Delay: To set the delay time for local relay.

**Status:** To enable or disable the softkey in talking page.

**Display Name:** To modify the display name of unlock icons in talking page.

Relay Setting		
Local Relay1		
Relay Delay(sec)	3	٠
Local Relay2		
Relay Delay(sec)	3	•

Figure 3.8.2-1 Local relay setting

	Softko	ey In Talking Page		
	Status	Display Name	Relay	
Key 0	Enabled ~	Unlock1	Local Relay 1	$\sim$
Key 1	Enabled ~	Unlock2	Local Relay 2	~
Key 2	Enabled ~	Unlock3	Remote Relay DTMF	~

Figure 3.8.2-2 Relay display



**Relay:** To set the relay type, including local relay 1/2, remote relay HTTP and remote relay DTMF.

## 3.8.3. Remote relay

VRX can use the unlock key during the call to open the door in doorphone's site. Users need to setup the same DTMF code in the door phone and indoor monitor.

**Remote Relay:** To set DTMF code for remote relay, which is "#" by default.

## 3.8.4. Reboot

On the device, go to More - Settings - Reboot.

• Click the **Reboot** icon to reboot the device.

One the web portal **Upgrade** - **Basic** - **Reboot**, users can also reboot the device.



Figure 3.8.3-1 Remote relay setting



Reboot		Submit	
	Figure 3.8.4-2	Web reboot	

## 3.8.5. Reset

On the device, go to More - Settings - More.

**Reset To Factory Setting:** Reset all data to factory settings.

**Reset Config To Factory Setting:** Reset all configurations (in the directory /data/data/config) which only be used by VRX to factory settings. But like 3rd party application which users installed, contacts which users added, such kind of data will not be reset. On the web portal **Upgrade - Basic**, users can also store the

device.

đ				
	D Network	Choose reset data Reset To Factory Setting Reset Config To Factory Setting	ଜ	
	Q Account	Reset	CANCEL CONFIRM	

Figure 3.8.5-1 Reset

Reset To Factory Setting	Submit
Reset Config To Factory Setting	Submit

Figure 3.8.5-2 Web reboot

# **4. Advanced Features**

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# 4.1. Phone Configuration

## 4.1.1. Installing Custom APK

Users could choose to display **Custom APK** (The 3rd party Android app) on the home/more page, which provides users easier access to their own application. On the web portal, go to **Upgrade - Key/Display**.

**Package Name:** To fill in the package name of APK (For example: com. cygnus.mobile.smartplus).

**APP Class Name:** To fill in the class name of APK (For example:

com. cygnus.mobile.module.main.view.SplashActivity).

**Start Up Enable:** To choose whether APK should start up automatically when power up.



Figure 4.1.1-1 Install APK



**Turn Back Apk Enable:** To choose whether turn back APK without operating for some interval.

**Intervals Without Operating:** To choose how much time to turn back APK without operating.

**Show App Icon:** To choose whether to show APP icon on the home interface or not.

## 4.1.2. Discovery setting

If **Discovery** mode is adopted, users don't need to configure the devices by themselves. VRX will scan automatically all types of the devices on the same discovery node.

On the device, go to **More - Settings - More** to configure the discovery mode and location name. **Discovery Node/Device Address:** To indicate the locations of the device (For example, device address 1.1.1.1.1 means that this device is located in Community 1, Building 1, Unit 1, Floor 1, Room 1).

đ			
←	Discovery Setting		$\odot$
	Discovery Extension		
		Bedroom	

Figure 4.1.2-1 Discovery setting

Discovery Extension/Device Extension: To display the extension

number of the device.

**Location/Device Location:** To enter the name/location to distinguish devices from each other.

On the web portal **Network - Advanced**, users can also make changes to the device connecting node.

# 4.2. Intercom

# 4.2.1. Call Forwarding

On the device, go to More - Settings - Call Feature.

**Account:** To choose which account shall implement call forwarding feature.

**Always forward:** All the incoming calls will be forwarded unconditionally to a specified number.

**Busy Forward:** The incoming calls will be forwarded to a specified number when VRX is busy.





Call Feature	
	Account 1
	1002
	*79
Call Forwarding Busy	
Busy On Code	
Busy Off Code	
No Answer Forwarding	

Figure 4.2.1-1 Call forwarding

**No answer Forward:** The incoming calls will be forwarded to a specified number when the ring tone is time out without answering. **Always/Busy/No answer Forward:** Tick which forward users want to setup.

**Forwarding Number:** Enter the target numbers which users want to forward.

**On/off Code:** The code used to turn on/off forward feature on server's side, if configured, VRX will send a sip message to server to turn on/off forward feature on server side if users press forward when forward feature is off/on.

On the web portal, go to **Phone - Call Feature**, users can also setup it.

## 4.2.2. Intercom

CYGNUS 🐎

**Intercom:** To allow users establishing a call directly with the callee. **Active:** To enable or disable Intercom function.

Fo	rward Transfer
Always Forward	Disabled <b>•</b>
Target Number	1002
Busy Forward	Enabled 🔹
Target Number	1007
No Answer Forward	Disabled <b>•</b>
No Answer Ring Time	30 🔻
Target Number	1008

#### Figure 4.2.1-2 Web Forward

	Intercom	
Active	Enabled 🔻	
Intercom Mute	Disabled 🔻	
Intercom Preview	Disabled 🔻	



**Intercom Mute:** To eliminate the voice of the callee if enabled. **Intercom Preview:** To enable preview function.

## 4.2.3. Subscribe

**CYGNUS** 

On the web portal, go to **Account - Advanced - Subscribe**. **Subscribe:**To display and configure MWI, subscription settings. **MWI Subscribe:** To enable or disable message waiting indicator function.

**MWI Subscribe Period:** To setup the time of MWI function.

Voice Mail Number: To fill in the voice mail number.

## 4.2.4. Audio Codec

On the web portal, go to Account - Advanced.

Audio Codecs: To configure the disabled codecs and enabled codecs by pressing the corresponding buttons. Codec means









coder-decoder which is used to transfer analog signal to digital signal or vice versa.

## 4.2.5. Video Codec

On the web portal, go to Account - Advanced.

**Video Codec:** To configure the disabled codecs and enabled codecs by pressing the corresponding buttons.

**Codec Resolution:** To adjust the resolutions for different video codecs.

**Codec Bitrate:** To adjust the bitrate for different video codecs.

Codec Payload: To adjust the codec payload for video codec.

## 4.2.6. NAT

On the web portal, go to **Account - Advanced**. **UDP Keep Alive Message:** To send UDP keep alive message periodically to router to keep NAT port alive if enabled.



Figure 4.2.5-1 Video codec

	NAT		
UDP Keep Alive Messages	Enabled	¥	
UDP A <mark>l</mark> ive Msg Interval	30	(5~60	s)
RPort	Disabled	•	





UDP Alive Msg Interval: To Keep alive message interval.RPort (Remote Port): To add remote port in to outgoing SIP message for designated account if enabled.

## 4.2.7. User Agent

On the web portal, go to **Account - Advanced**. **User Agent:** To customize user agent field in the SIP message. If user agent is set to specific value, users could see the information from SIP message. If user agent is not set by default, users could see the company name, model number and firmware version from SIP message.

## 4.2.8. DTMF

On the web portal, go to **Account - Advanced**. **DTMF:** To configure RTP audio video profile for DTMF and its payload type.

	User Agent	
User Agent		

Figure 4.2.7-1 User agent





Type: Support Inband, Info, RFC2833 or their combination.How To Notify DTMF: Only available when DTMF Type is Info.DTMF Payload: To configure payload type for DTMF.

## 4.2.9. Encryption

On the web portal, go to **Account - Advanced**. **Voice Encryption(SRTP):** If enabled, all audio signal (It's RTP streams indeed) will be encrypted for more security.

## 4.2.10. Call Related

Max/Min Local Sip Port: To configure maximum /minimum local

SIP port for designated account.

PTime: Interval time between two consecutive RTP packets.

**Prevent SIP Hacking:** Enable to prevent SIP from hacking in the Internet.

Encryption	
Voice Encryption(SRTP)	Compulsory •

Figure 4.2.9-1 Encryption

	Call	
Max Local SIP Port	5062	(1024~65535)
Min Local SIP Port	5062	(1024~65535)
Auto Answer	Disabled	T
PTime	20	•
Prevent SIP Hacking	Disabled	T

Figure 4.2.10-1 Call related

## 4.2.11. Remote Control

CYGNUS

On the web portal, go to **Phone - Call feature**. **Remote Control** could allow specific host to interact with VRX by sending HTTP or HTTPS requests. The specific action could be answering an incoming call, hangup an ongoing call and so on. **Allowed Access IP List:** To configure the IP address of allowed host.

## 4.2.12. Session Time Out

**Session Time Out:** To set the time out value, the ongoing call will be disconnected automatically if session time out.

Remote Control		
Allowed Access IP List	192.168.35.115	
Figure 4	I.2.11-1 Remote control	

Ses	ssion Time Out	
Session Time Out Value	300	(60~14400s)

Figure 4.2.12-1 Session time out



# 4.3. Access Control

## 4.3.1. Web Relay

CYGNUS 🐎

On the web portal, go to **Phone - Relay - Webrelay**. **IP Address:** To fill in the IP address of web relay. **UserName:** To fill in the user name of the web relay. **Password:** To fill in the password of the web relay.

## 4.3.2. Remote Relay by HTTP

On the web portal, go to **Phone - Relay**. **Remote Relay By HTTP:** To configure the parameters to trigger a certain remote relay of door phone by sending http message, which also requires the configurations on door phone.

	Web Relay
IP Address	192.168.35.123
UserName	admin
Password	



Remote Relay By HTTP				
Index	IP	UserName	Password	
01				
02				

Figure 3.9-1 Remote relay by HTTP

# 4.4. Security

## 4.4.1. Arming Zone Setting

#### On the device, go to More - Settings - More - Arming.

Arming function is very useful for home safety. VRX supports 8 zones to connect different alarm detection devices for different zones. VRX does not provide the power for detection devices, connecting the GND and IOX terminal (For example, enable the zone 1, users need to connect IO1 and GND).

**Location:** To select which location the detection device is in, including Bedroom, Guest room, Hall, Window, Balcony, Kitchen, Study and Bathroom.

**Type:** To select which type of detection device is, including Infrared, Drmagnet, Smoke, Gas and Urgency..

**Trigger Mode:** To setup triggering mode for the sensor, including NO (normal open) and NC (normal closed).

රි		08:14 AM	Mon 21-01-2013
←	Zone Settings		$\otimes$
			Zone1
		Guest room	Zone2
	Туре	Doorbell	Zone3
	Trigger Mode	NO	Zone4
	Alarm Status	24H	Zone5
	Doorbell ring	Andromeda	Zone6
	Alarm Volume	<b>_</b> ● 1	Zone7
		• 60 s	Zone8

Figure 4.4.1-1 Zone setting

**Alarm Status:** To setup status of alarm sensor, including enable, disable and 24H.

**Note:** Disable status of detector means it cannot be triggered, 24H status means it cannot be disabled. Enable status means it depends on arming mode.

## 4.4.2. Motion Detector

Users could choose to display **Motion Detector** on the home/more page, please refer to chapter 3.4.10. VRX could receive the captured motion pictures from the door phone, which requires the configurations on door phone.



Figure 4.4.2-1 Motion detection



# 4.5. Upgrade

## 4.5.1. Basic Upgrade

On the web portal, go to **Upgrade - Basic**.

Firmware Version: To display the firmware version at present.
Hardware Version: To display the hardware version at present.
Upgrade: To select the upgrading file from PC manually.
Submit: To submit the upgrading file to VRX.
Cancel: To cancel submitting the upgrading file.

## 4.5.2. Autop

Autop (Auto-Provisioning), this feature is used to configure or upgrade VRX in batch via the support of third party servers. To use DHCP/PNP/TFTP/FTP/HTTP/HTTPS servers to get URL, and then download firmware and/or its corresponding configuration files from servers. These configuration files and firmware will be

Firmware Version	83.31.2.330
Hardware Version	1.0
Upgrade	Select File Not selected any file
	Submit Cancel

Figure 4.5.1-1 Basic upgrade

used to update firmware and the corresponding parameters on the phone.

### 4.5.2.1. **PNP** Autop

**PNP (Plug and Play):** To enable or disable Plug and Play feature, which will send SIP subscription message to PNP server automatically to get auto provisioning server's address if enabled. By default, this SIP message is sent to multicast address 224.0.1.75 (PNP server address by standard).

## 4.5.2.2. DHCP Autop

**DHCP Option:** To use designated DHCP option to get auto provisioning server's address via DHCP.

	DHCP Option	
Custom Option	120	(128~254)
	12.5	

**PNP Option** 

Figure 4.5.2.1-1 PNP Option

Enabled

۲

Figure 4.5.2.2-1 DHCP option

Option 43
 Option 66

**DHCP Option Enable** 

PNP Config

## 4.5.2.3. Manual Autop

**CYGNUS** 

**Manual Autop:** To display and configure manual update server's settings.

URL: To fill in the Auto provisioning server address.

**User Name:** To fill in the user name if server needs an username to access, otherwise left blank.

**Password:** To fill in the password if server needs a password to access, otherwise left blank.

**Common AES Key:** To decipher common auto provisioning configuration file for VRX.

**AES Key (MAC)**: Used for IP phone to decipher MAC-oriented auto provisioning configuration file (For example, file name could be 0C1105888888.cfg if VRX's MAC address is 0C1105888888).

**Notes:** AES is one of many encryption, it should be configured only when configure file is ciphered with AES, otherwise left blank.



Figure 4.5.2.3-1 Manual autop

## 4.5.2.4. Automatic Autop

**Automatic Autop:** To display and configure auto provisioning mode settings. It is actually self-explanatory. For example, mode "Power on" means VRX will go to do provisioning every time it powers on.

Note: Please check more details in autop feature guide .

# 4.6. Logs

**CYGNUS** 

## 4.6.1. Call log

On the web portal, go to **PhoneBook - Call Log**. Users are able to view all /dialed /received /missed /forwarded calls.

Call History: To select which kind of calls users want to view,

including dialed, received, missed and forwarded.

Export: To export the call log.





Cal	l Log						
Ca	all Histor	Y	All	▼ Hand Up	Export		
Index	Туре	Date	Time	Local Identity	Name	Number	
1	Received	2018-09-19	04:59:49	192.168.35.2 41@192.168.3 5.241	Jocelyn	<u>192.168.35.2</u> 05@192.168.3 <u>5.205</u>	
2	Missed	2018-09-19	04:59:09	192.168.35.2 41@192.168.3 5.241	Jocelyn	<u>192.168.35.2</u> 05@192.168.3 5.205	
3	Dialed	2018-09-19	04:49:56	192.168.35.2 41@192.168.3 5.241	Jocelyn	<u>192.168.35.2</u> 05@192.168.3 5.205	
4	Dialed	2018-09-19	04:44:34	1004@192.168 .35.230:5060	Daniel	1006@192.168 .35.230:5060	
5	Dialed	2018-09-19	04:44:28	1004@192.168 .35.230:5060	Daniel	1006@192.168 .35.230:5060	
6	Dialed	2018-09-19	04:43:27	1004@192.168 .35.230:5060	Daniel	1006@192.168 .35.230:5060	
7	Dialed	2018-09-19	04:42:58	1004@192.168	Daniel	1006@192.168	

Figure 4.6.1-1 Call log

## 4.6.2. System Log

On the web portal, go to **Upgrade** - **Advanced**. System log provides a professional method for administrator to debug.

**System Log:** To display system log level and export system log file. **Log level:** To adjust the system log level, which ranges from 0 to 7 and it is 3 by default. The higher level means the more specific system log is saved to a temporary file.

Export Log: To export temporary system log file to local PC.Remote System Log: To enable/disable remote system Log.Remote System Server: To input the syslog server address.

## 4.6.3. PCAP

On the web portal, go to **Upgrade - Advanced - PCAP**. PCAP is a network packet capture tool in VRX itself, which provides an efficient method to troubleshoot network problems. **PCAP Start:** To start PCAP if users click **Start** button.

	System Log
LogLevel Export Log Remote System Log Remote System Server	3 T Export Enabled T 192.168.35.115
Figure	e 4.6.2-1 System log
	РСАР
РСАР	Start Stop Export
PCAP Auto Refresh	Disabled V



# **Abbreviations**

ACS: Auto Configuration Server	<b>DNS-SRV:</b> Service record in the Domain Name System
Auto: Automatically	FTP: File Transfer Protocol
AEC: Configurable Acoustic and Line Echo Cancelers	GND: Ground
ACD: Automatic Call Distribution	HTTP: Hypertext Transfer Protocol
Autop: Automatical Provisioning	HTTPS: Hypertext Transfer Protocol Secure
AES: Advanced Encryption Standard	IP: Internet Protocol
BLF: Busy Lamp Field	ID: Identification
COM: Common	IR: Infrared
CPE: Customer Premise Equipment	LCD: Liquid Crystal Display
CWMP: CPE WAN Management Protocol	LED: Light Emitting Diode
DTMF: Dual Tone Multi-Frequency	MAX: Maximum
DHCP: Dynamic Host Configuration Protocol	POE: Power Over Ethernet
DNS: Domain Name System	PCMA: Pulse Code Modulation A-Law
DND: Do Not Disturb	PCMU: Pulse Code Modulation µ-Law
PCAP: Packet Capture	SIP: Session Initiation Protocol
--	---
PNP: Plug and Play	SNMP: Simple Network Management Protocol
RFID: Radio Frequency Identification	STUN: Session Traversal Utilities for NAT
RTP: Real-time Transport Protocol	SNMP: Simple Mail Transfer Protocol
RTSP: Real Time Streaming Protocol	SDMC: SIP Devices Management Center
MPEG: Moving Picture Experts Group	TR069: Technical Report069
MWI: Message Waiting Indicator	TCP: Transmission Control Protocol
NO: Normal Opened	TLS: Transport Layer Security
NC: Normal Connected	TFTP: Trivial File Transfer Protocol
NTP: Network Time Protocol	UDP: User Datagram Protocol
NAT: Network Address Translation	URL: Uniform Resource Locator
NVR: Network Video Recorder	VLAN: Virtual Local Area Network
<b>ONVIF:</b> Open Network Video Interface Forum	WG: Wiegand



## **Contact us**

For more information about the product, please visit us at **www.cygnus.la** or feel free to contact us by

Sales email: info@cygnus.la

Technical support email: santiago.lovera@cygnus.la

Telephone: Tel. (+5411) 3221-8153/ 5278-0022

We highly appreciate your feedback about our products.



