

XonTel
XT-12P



User Manual

About This Manual

Thank you for choosing XonTel XT-12P door phone. This manual is intended for end users who need to properly configure the doorphone. This manual is applicable to 20.30.3.xx version, and it provides all functions' configurations of XT-12P. Please visit XonTel forum or consult technical support for any new information or latest firmware.

Note: Please refer to universal abbreviation form in the end of manual when meet any abbreviation letter.

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1. Product Overview

1.1. Product Description

XonTel XT-12P is a SIP-compliant, hands-free and video door phone. It can be connected with XonTel indoor monitors for remote access controlling and monitoring. Users can communicate with visitors via audio and video calls, and unlock the door if they need. Users can also use RFID cards to unlock the door

1.2. Connector Introduction

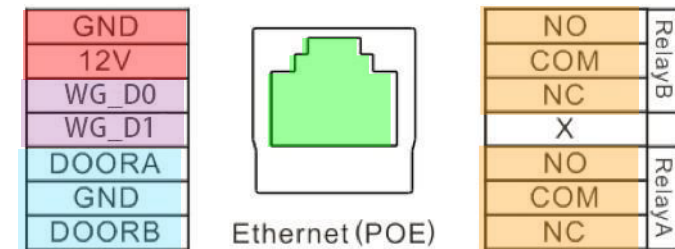
Ethernet (POE): Ethernet (POE) connector which it can provide both power and network connection.

12V/GND: External power supply terminal if POE connector is not available.

WG_D0/WG_D1: Wigand terminal.



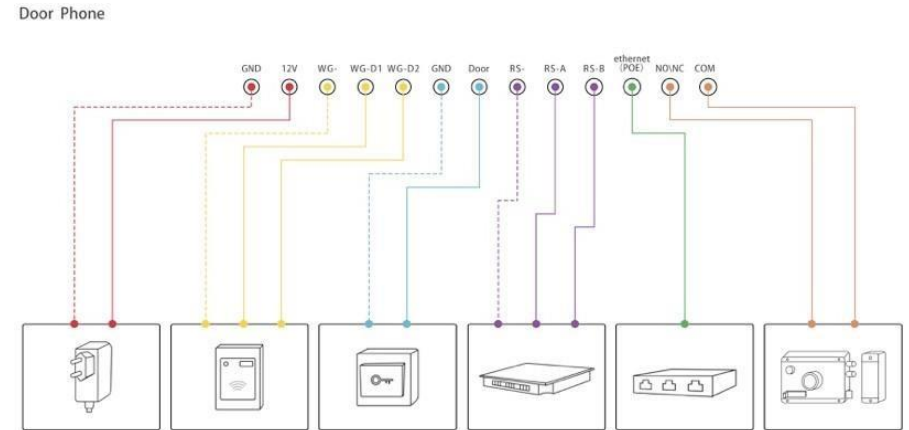
Figure 1.1 Product Description



DOOR/B: Trigger signal input terminal.

Relay/A/B (NO/NC/COM): Relay control terminal.

Note: The general door phone interface diagram is only for reference.



2. Daily Use

2.1. Make a Call

Press the SIP account or IP address and “Dial key” to make a call.

Management center call: Users can make a speed dial to management center by pressing “Management center key.”

2.2. Receive a Call

XT-12P will auto answer the incoming call by default. If users disable auto answer function, they can press “Dial key” to answer the incoming call.

2.3. Unlock

2.3.1. Unlock by Public Pin Codes

Users can unlock doors by using predefined public pin code. Press “#,” public pin code, “#” to unlock, and then users will hear “The door is now opened.” If users press wrong public pin code, the screen will show “Incorrect Code.” The default public pin code is 33333333. The default public pin code is 8 digits, and it can be changed to 3 to 8 digits.

2.3.2. Unlock by Private Pin Codes

Users can unlock doors by using predefined private pin code. Press “#,” private pin code, “#” to unlock, and then users will hear “The door is now opened.” If users press wrong private pin code, the screen will show “Incorrect Code.” The default private pin code is 8 digits, and it can be changed to 3 to 8 digits.

2.3.3. Unlock by RFID Cards

Place the predefined user cards in RFID card reader to unlock. Under normal conditions, XT-12P will announce “The door is now opened.” If the card has not been registered, XT-12P will show “Unauthorized.” Both 13.56MHz and 125KHz RFID cards are supported on XT-12P.

2.3.4. Unlock by DTMF Codes

Users can press the predefined DTMF code from an answer unit to remotely unlock the door during the call. Users will also hear “The door is now opened.”

3. Basic Features

3.1. Access the Website Setting

3.1.1. Obtain IP Address

XT-12P use DHCP IP by default. Press “*3258*” to and voicessystem will enter IP announcement mode. In IP announcement mode, the IP address will be announced.

3.1.2. Access the Device Website

Open a web browser, and access the corresponding IP address. Enter the default user name and password to login. The default administrator’s user name and password are shown below:

User Name: **user**

Password: **123456789**

The image shows two screenshots of a web interface. The top screenshot is titled "Basic" and contains the following settings:

IP Broadcast Key	3258	Press *3258* to broadcast the IP.
Select Account	Auto	
Robin Call Enable	Disabled	
Robin Call Timeout	20	
DTMF Unlock	Push Button Number	

The bottom screenshot is titled "Login" and contains the following fields and options:

User Name	user
Password
	<input checked="" type="checkbox"/> Remember Username/Password
	Login

Figure 3.2.2 Access the device website

3.2. Password Modification

3.2.1. Modify the Device Admin Code

Go to **Intercom – Basic** to modify device admin code.

3.2.2. Modify the Web Password

Go to **Security - Basic** to modify password for webpage. To modify password for “admin” or “user” account.

Web Password Modify	
User Name	<input type="text" value="admin"/>
Current Password	<input type="password"/>
New Password	<input type="password"/>
Confirm Password	<input type="password"/>

3.3. Phone Configuration

3.3.1. Language

Go to **Phone - Time/Lang** to select language for webpage.

Web Language	
Type	<input type="text" value="English"/>

3.3.2. Time

NTP: To select local time zone for NTP server.

NTP	
Time Zone	0 GMT ▼
Primary Server	0.pool.ntp.org
Secondary Server	1.pool.ntp.org
Update Interval	3600 (>= 3600s)
System Time	01:35:31

3.3.3. Network

DHCP Mode

In Website, go to Network - Basic.

XT-12P uses DHCP mode by default which will get IP address, subnet mask, default gateway and DNS server address from DHCP server automatically.

LAN Port	
<input checked="" type="radio"/> DHCP	
<input type="radio"/> Static IP	
IP Address	192.168.1.100
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
LAN DNS1	8.8.8.8
LAN DNS2	

Static IP Mode

In Website, go to Network - Basic.

If select static IP, users should manually setup IP address, subnet mask, default gateway and DNS server address. The figure right shows static IP settings.

LAN Port	
<input checked="" type="radio"/> DHCP	
<input type="radio"/> Static IP	
IP Address	192.168.1.100
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
LAN DNS1	8.8.8.8
LAN DNS2	

3.3.4. Sound

Go to **Phone - Voice** to configure volume and upload tone file.

Mic Volume: To configure microphone volume.

Speaker Volume: To configure speaker volume.

Open Door Warning: Disable it, and users will not hear the prompt voice when the door is opened.

RingBack Upload: To upload the ring back tone by users themselves.

Opendoor Tone Upload: To upload the open door tone by users themselves.

3.4. Intercom Call

3.4.1. Direct IP Call

Go to **Phone - Call Feature** to enable the direct IP call for door phones first.

Mic Volume	
Mic Volume	<input type="text" value="8"/> (1~15)
Speaker Volume	
Speaker Volume	<input type="text" value="8"/> (1~15)
Open Door Warning	
Open Door Warning	<input type="text" value="Enabled"/>
RingBack Upload	
<input type="button" value="Choose File"/> No file chosen	<input type="button" value="Upload"/> <input type="button" value="Delete"/> <input type="button" value="Export"/>
File Format: wav, size: < 200KB, samplerate: 16000, Bits: 16	
Opendoor Tone Upload	
<input type="button" value="Choose File"/> No file chosen	<input type="button" value="Upload"/> <input type="button" value="Delete"/> <input type="button" value="Export"/>
File Format: wav, size: < 200KB, samplerate: 16000, Bits: 16	

Direct IP	<input type="text" value="Enabled"/>
-----------	--------------------------------------

Press the IP address (like IP address 192.168.1.100, users need to press “192*168*1*100”) and “Dial key” to make a direct IP call.

3.4.2. SIP Call

SIP calls which use SIP numbers to make or receive calls should be supported by SIP server. Users need to register accounts and fill SIP feature parameters before using it.

Go to **Account - Basic** to configure SIP account and SIP server for door phones first.

3.4.3. SIP Account

Status: To display register result.

Display Name: To configure name sent to the other call party for displaying.

Register Name: To enter extension number which users want and the number is allocated by SIP server.



The screenshot shows a web interface for configuring a SIP account. The page title is "Account-Basic" and the section is "SIP Account". The configuration fields are as follows:

SIP Account	
Status	Registered
Account	Account 1
Account Active	Enabled
Display Label	632
Display Name	632
Register Name	632
User Name	632
Password	*****

User Name: To enter user name of the extension.

Password: To enter password for the extension.

3.4.4. SIP Server 1&2

Server IP 1: To enter SIP server's IP address or URL.

Server IP 2: To display and configure secondary SIP server settings.

This is for redundancy, if registering to primary SIP server fails, the phone will go to secondary SIP server for registering.

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

3.4.5. Outbound Proxy Server

An outbound proxy server is used to receive all initiating request messages and route them to the designated SIP server.

SIP Server 1	
Server IP	<input type="text" value="120.78.230.239"/> Port <input type="text" value="5070"/>
Registration Period	<input type="text" value="1800"/> (30~65535s)

SIP Server 2	
Server IP	<input type="text"/> Port <input type="text" value="5060"/>
Registration Period	<input type="text" value="1800"/> (30~65535s)

Outbound Proxy Server	
Enable Outbound	<input type="text" value="Disabled"/>
Server IP	<input type="text"/> Port <input type="text" value="5060"/>
Backup Server IP	<input type="text"/> Port <input type="text" value="5060"/>

3.4.6. Transport Type

To display and configure transport type for SIP message.

- UDP: UDP is an unreliable but very efficient transport layer protocol.
- TCP: Reliable but less-efficient transport layer protocol.
- TLS: Secured and reliable transport layer protocol.
- DNS-SRV: DNS record for specifying the location of services.

3.4.7. NAT

To display and configure NAT settings.

- STUN: Short for session traversal utilities for NAT, a solution to solve NAT issues.

Note: By default, NAT is disabled.

Press the a SIP account and “Dial key” to make a SIP call.

Transport Type	
Transport Type	<input type="text" value="UDP"/>

NAT	
NAT	<input type="text" value="Disabled"/>
Stun Server Address	<input type="text"/> Port <input type="text" value="3478"/>

3.4.8. Speed Dial

Speed dial feature is used to call out 8 numbers at the same time. Go to **Intercom - Basic** to configure first.

After setup the number which users need to call. Press “Manage center key” (Manager Dial) to call.

3.4.9. Auto Answer

Go to **Account - Advanced** to enable auto answer feature for SIP calls.

Go to **Phone - Call Feature** to enable auto answer feature for direct IP calls.

Auto Answer Delay: To configure delay time before an incoming call is automatically answered.

Auto Answer Mode: To set video or audio mode for auto answer feature. It is video by default.

Then incoming calls will be answered automatically.

Manager Dial				
Key	Number 1/5	Number 2/6	Number 3/7	Number 4/8
Manager Dial	611	613		

Speed Dial				
Key	Number 1/5	Number 2/6	Number 3/7	Number 4/8
Speed Dial	640	628		

Auto Answer	Enabled
Direct IP AutoAnswer	Enabled
Auto Answer Delay	0 (0~5s)
Auto Answer Mode	Video

3.4.10. Web Call

Go to **Intercom - Basic** to dial out or hang up incoming calls from website.

3.4.11. Dial Plan

Go to **Phone – Dial Plan** to configure XT-12P dial plan

Section	Description
Rules Management	For easy management, users can export and import the replace rule file directly. (The export file format is .tgz , user need to unzip it, then check the .XML file. The Import format is .XML)
Rules	Allow user to select Replace rule or Dial-now to display or edit.
Rules Modify	Allow user to modify selected rules information Example: Account: 1 Prefix: 100 Replace: 110 Then if user dial 100 with account 1, the phone will call out 110 actually.

Web Call

Web Call(Ready) Auto

Dial Plan

Rules Management

No file chosen

Index	Account	Name	Prefix	Replace 1	Replace 2	Replace 3	Replace 4	Replace 5	
1									<input type="checkbox"/>
2									<input type="checkbox"/>
3									<input type="checkbox"/>
4									<input type="checkbox"/>
5									<input type="checkbox"/>
6									<input type="checkbox"/>
7									<input type="checkbox"/>
8									<input type="checkbox"/>
9									<input type="checkbox"/>
10									<input type="checkbox"/>

Page 1

Rules Modify >>

Account
 Name
 Prefix
 Replace 1
 Replace 2
 Replace 3
 Replace 4
 Replace 5

3.5. Security

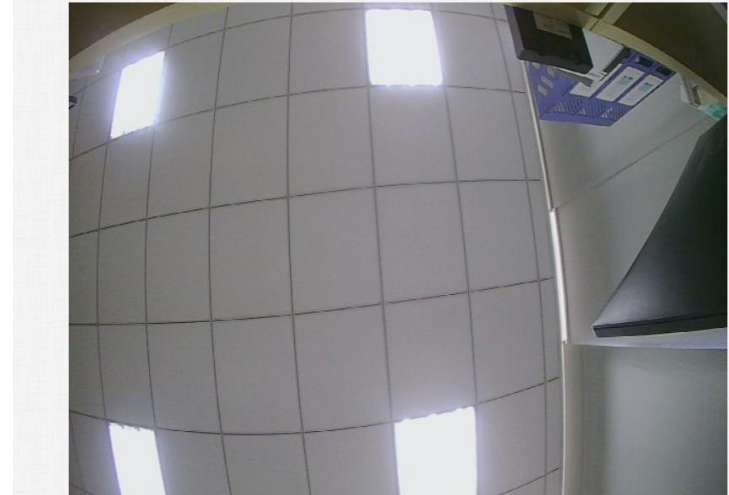
3.5.1. Live view

Go to **Intercom - Live Stream** to check the real-time video from XT-12P.

In addition, user also can check the real-time picture via URL:

http://IP_address:8080/picture.jpg.

Live Stream



3.5.2. RTSP

XT-12P supports RTSP stream, go to **Intercom - RTSP** to enable or disable RTSP server. The URL for RTSP stream is:

rtsp://IP_address/live/ch00_0.

RTSP Stream: To enable RTSP video and select the video codec. XT-12P supports H.264 video codec by default.

H.264 Video Parameters: H.264 is a video stream compression standard. Different from H.263, it provides an approximately identical level of video stream quality but a half bit rate. This type of compression is sometimes called MPEG-4 part 10. To modify the resolution, framerate and bitrate of H.264.

MPEG4 Video Parameters: MPEG4 is one of the network video image compression standard. It supports the maximum compression ratio 4000:1. It is an important and common video function with great communication application integration ability and less core program space. To modify the resolution, framerate and bitrate of MPEG4.

RTSP Basic	
RTSP Server Enabled	<input checked="" type="checkbox"/>
RTSP Stream	
RTSP Video Enabled	<input checked="" type="checkbox"/>
RTSP Video Codec	H.264 ▼
H.264 Video Parameters	
Video Resolution	VGA ▼
Video Framerate	30 fps ▼
Video Bitrate	2048 kbps ▼
MPEG4 Video Parameters	
Video Resolution	VGA ▼
Video Framerate	30 fps ▼
Video Bitrate	2048 kbps ▼

3.5.3. ONVIF

XT-12P supports ONVIF protocol, which means XT-12P's camera can be searched by other devices, like NVR which supports ONVIF protocol as well.

Go to **Intercom - ONVIF** to configure ONVIF mode, its username and password.

Switching ONVIF mode to “Undiscoverable,” and it means users must program ONVIF's URL manually.

The ONVIF's URL is:

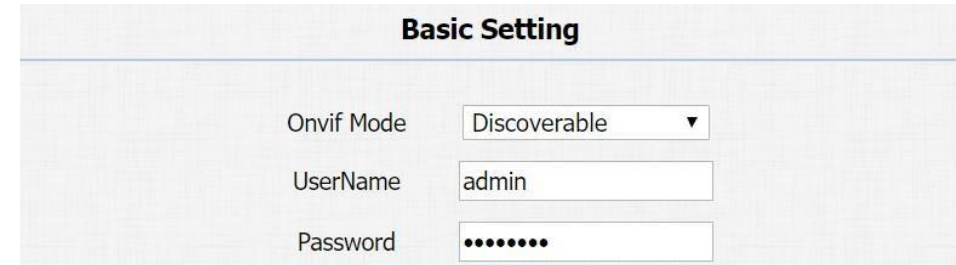
http://IP_address:8090/onvif/device_service.

3.6. Access Control

3.6.1. Unlock via DTMF

Go to **Intercom - Relay** to configure relay settings.

There are three terminals of relay: NO, NC and COM. NO stands



Basic Setting

Onvif Mode	Discoverable ▼
UserName	admin
Password	••••••••

for normally open contact. NC stands for normally closed contact. **Relay**

ID: XT-12P supports three relays. Users can configure them respectively.

Relay Type: Default state means NC and COM are normally closed, while

Invert state means NC and COM are normally opened.

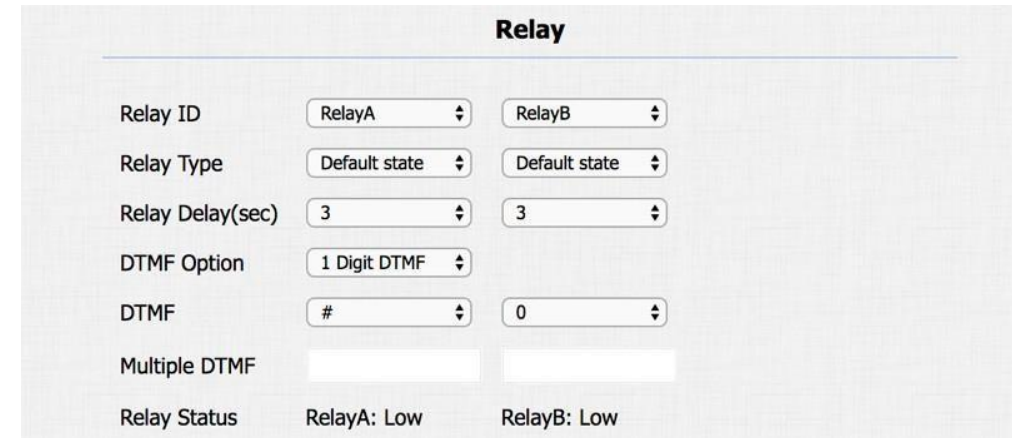
Relay Delay: To configure the duration of opened relay. Over the value, the relay would be closed again.

DTMF Option: To select digit of DTMF code, XT-12P support maximum to 4 digits' DTMF code.

DTMF&Multiple DTMF: To configure DTMF code for remote unlocking.

Relay Status: While the relay is triggered, the status will be switched. When COM connects to NC, the status is low.

Note: Relay operate a switch and does not deliver power, so users should prepare power adapter for external devices which connects to relay.



The screenshot shows a web interface for configuring two relays, RelayA and RelayB. The interface includes the following fields:

Relay		
Relay ID	RelayA	RelayB
Relay Type	Default state	Default state
Relay Delay(sec)	3	3
DTMF Option	1 Digit DTMF	
DTMF	#	0
Multiple DTMF		
Relay Status	RelayA: Low	RelayB: Low

3.6.2. Unlock via RFID Card

Go to **Intercom - Card setting** to manage card access system.

Import/Export Card Data

XT-12P supports import or export the card data file, which is convenient for administrator to deal with a large number of cards. The maximum card data file is 20K which is around 500 cards.

Note: Please consult administrator for the .xml format RFID cards template file.

Enable ID/IC Card

Switch to enable to support IC/ID card.

Schedule Management

Select schedule which was created on **Intercom – Schedule** to setup valid time for cards.

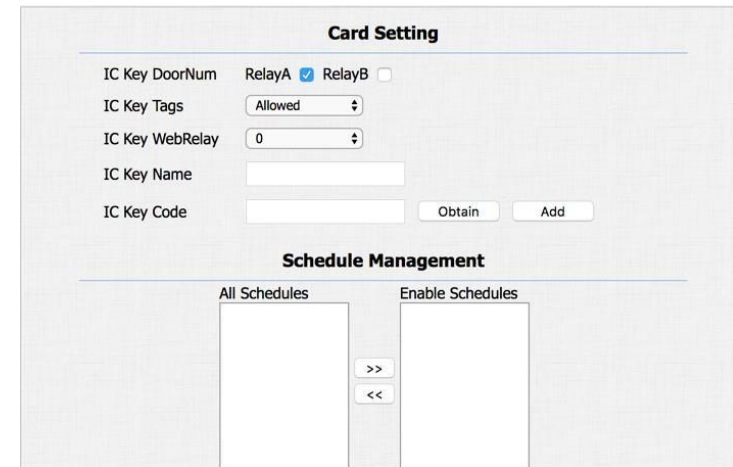
Obtain and Add Card

- Switch card status to “Card Issuing” and click “Apply”;
- Place card on the card reader area and click “Obtain”;



Import/Export Card Data(.xml)

Choose File No file chosen Import Export



Card Setting

IC Key DoorNum RelayA RelayB

IC Key Tags Allowed

IC Key WebRelay 0

IC Key Name

IC Key Code Obtain Add

Schedule Management

All Schedules Enable Schedules

>> <<



Door Card Management

Index	Name	Code	Relay	
1	Courier	FFB59828	1	<input type="checkbox"/>
2				<input type="checkbox"/>
3				<input type="checkbox"/>
4				<input type="checkbox"/>
5				<input type="checkbox"/>
6				<input type="checkbox"/>
7				<input type="checkbox"/>
8				<input type="checkbox"/>
9				<input type="checkbox"/>
10				<input type="checkbox"/>

Page 1 Prev Next Delete Delete All

- Name card, choose which door users want to open and the valid day and time;
- Click “Add” to add it into list.

Valid card information will be shown in the list. Administrator could delete one card’s access permission or empty all the list.

Note: Remember to set Card Status back to “Normal” after adding cards.

3.6.3. Unlock via Pin Code

Public Pin Codes in Website

Go to **Intercom - Basic** to configure public pin codes.

Key Switch: To enable or disable the password unlock, it is much useful for some special occasion which do not allow to use passwords.

Key Value: The public key for the all occupants in a building.

Public Key	
Key Switch	Enabled ▾
Send Key	Enabled ▾
Key Value	<input type="text" value="33333333"/> (3-8 digit number)

Private Pin Codes in Website

Go to **Intercom - PrivateKey** to configure private pin code.

Import /Export Private Key

XT-12P supports import or export the private key file, which is convenient for administrator to deal with a large number of private keys.

The maximum private key is 500.

Note: Please consult administrator for the .xml format private key template file.

Obtain and Add Private Key

- Enter the “PKey Name” and 3-8 digits “PKey Code”;
- Select the valid day and time;
- Choose which door users want to open;
- Click “Add” to add it into list.

Valid private key information will be shown in the list. Administrator could delete private key information or empty all the list.

Import/Export Private Key(.xml)

Choose File No file chosen
Import
Export

Private Key Setting

PKey DoorNum RelayA RelayB RelayC

PKey Day Mon Tue Wed Thur
 Fri Sat Sun Check All

PKey Time 08 : 00 - 23 : 00

PKey Name Troye

Private Key Management

Index	Name	Code	Relay	
1	Troye	2333	2	<input type="checkbox"/>
2				<input type="checkbox"/>
3				<input type="checkbox"/>
4				<input type="checkbox"/>
5				<input type="checkbox"/>
6				<input type="checkbox"/>
7				<input type="checkbox"/>
8				<input type="checkbox"/>
9				<input type="checkbox"/>
10				<input type="checkbox"/>

Page 1
Prev
Next
Delete
Delete All

3.6.4. Unlock via HTTP command

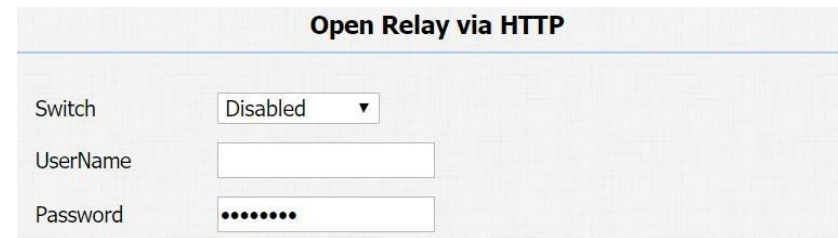
Users can use a URL to remote unlock the door. Go to **Intercom - Relay** to configure.

Switch: Enable this function. Disable by default.

UserName&Password: Users can setup the username and password for HTTP unlock.

URL format:

http://(Intercom_IP)/fcgi/do?action=OpenDoor&UserName=admin&Password=xontel&DoorNum=1



Open Relay via HTTP

Switch: Disabled

UserName: [text input]

Password: [password input]

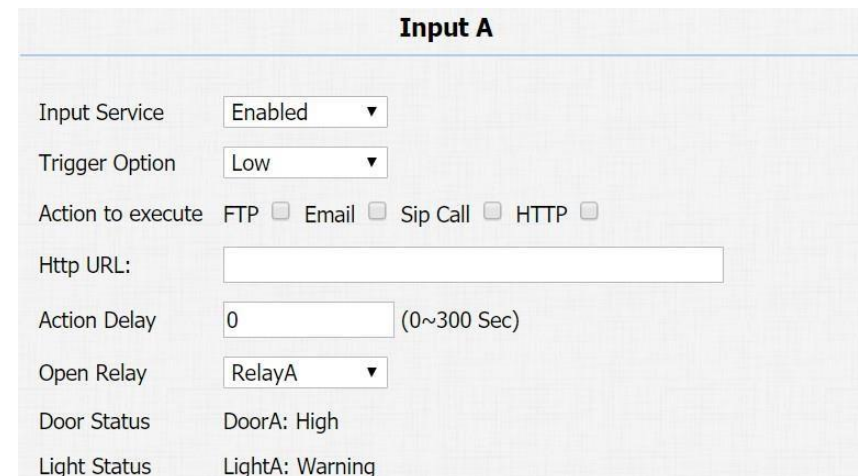
3.6.5. Unlock via Exit Button

Go to **Intercom - Input** to configure input settings. XT-12P supports 2 input triggers “Input A/B (DOOR A/B).”

Input Service: To enable or disable input trigger service. **Trigger**

Option: To choose open circuit trigger or closed circuit trigger.

“Low” means that connection between door terminal and



Input A

Input Service: Enabled

Trigger Option: Low

Action to execute: FTP Email Sip Call HTTP

Http URL: [text input]

Action Delay: 0 (0~300 Sec)

Open Relay: RelayA

Door Status: DoorA: High

Light Status: LightA: Warning

GND is closed, while “High” means the connection is opened.

Door status: To show the status of input signal.

3.7. Reboot

Go to **Upgrade - Basic**, users can reboot the phone.

Reboot

3.8. Reset

Go to **Upgrade - Basic**, users can reset the phone to factory settings.

Reset To Factory Setting

Note: All configurations will be reset after restore. Please backup the data if users need.

4. Advanced Features

4.1. Phone Configuration

4.1.1. LED

Go to **Intercom - LED Setting** to configure.

LED Status is to set up **Status LED** which can change light mode on different condition.

Users can control 2 parts' LED, keypad and card area. Users can also setup the valid time. For example, start time from 18 to 23 means the LED will light up from 6pm to 11pm.

4.1.2. IR LED

Go to **Intercom - Advanced** to configure.

LED Status

State	Color Off	Color On	Blink Mode
NORMAL	OFF	Blue	Always On
OFFLINE	OFF	Red	2500/2500
CALLING	OFF	Blue	2500/2500
TALKING	OFF	Green	Always On
RECEIVING	OFF	Green	2500/2500

LED Control

LED Control	Disabled
KeyPad LED Enable	Disabled
Card LED Enable	Disabled

Photoresistor: The setting is for night vision, when the surrounding of XT-12P is very dark, infrared LED will turn on and XT-12P will turn to night mode.

Photoresistor value relates to light intensity and larger value means that light intensity is smaller.

Users can configure the upper and lower bound and when photoresistor value is larger than upper bound, infrared LED will turn on. As contrast, when photoresistor value is smaller than lower bound, infrared LED will turn off and device turns to normal mode.

4.1.3. RFID Card Code Display Related

Go to **Intercom - Advanced** to configure.

Display mode: To be compatible different card number formats in different systems. The default 8HN means hexadecimal.

LED	
LED Type	Auto
Min Photoresistor	20
Max Photoresistor	45

RFID	
RFID Display Mode	8HN
IDCARD Display Mode	8HN
WIEGAND Display Mode	8HN

4.2. Intercom

4.2.1. Call Time Related

Go to **Intercom - Basic** to configure.

Max Call Time: To configure the max call time.

Dial In Time: To configure the max incoming dial time, available when auto answer is disabled.

Dial Out Time: To configure the max no answer call time.

4.2.2. SIP Call Related

Go to **Account - Advanced** to configure the SIP call related.

Max Local SIP Port: To configure maximum local SIP port for designated SIP account.

Min Local SIP Port: To configure maximum local SIP port for designated SIP account.

Caller ID Header: To choose caller ID header format.

Max Dial Time		
Dial In Time	<input type="text" value="60"/>	(30~120Sec)
Dial Out Time	<input type="text" value="60"/>	(30~120Sec)

Provisional Response ACK: 100% reliability for all provisional messages, this means it will send ACK every time the phone receives a provisional SIP message from SIP server.

Register with user=phone: If enabled, the phone will send user=phone within SIP message.

Anonymous Call: If enabled, XT-12P will block its information when calling out.

Anonymous Call Rejection: If enabled, calls who block their information will be screened out.

Missed Call Log: If enabled, any missed call will be recorded into call log.

Prevent Hacking: If enabled, it will prevent SIP messages from hacking.

4.2.3. Codec

Go to **Account - Advanced** to configure SIP call related codec.

Sip Account: To choose which account to configure.

Call		
Max Local SIP Port	5062	(1024~65535)
Min Local SIP Port	5062	(1024~65535)
Caller ID Header	FROM	▼
Auto Answer	Enabled	▼
Provisional Response ACK	Disabled	▼
Register with user=phone	Disabled	▼
Invite with user=phone	Disabled	▼
Anonymous Call	Disabled	▼
Anonymous Call Rejection	Disabled	▼
Missed Call Log	Enabled	▼
Prevent SIP Hacking	Disabled	▼

SIP Account	
Account	Account 1 ▼
Codecs	
Disabled Codecs	Enabled Codecs
	PCMU PCMA G722 G729
>>	↑
<<	↓
Video Codec	
Codec Name	<input checked="" type="checkbox"/> H264
Codec Resolution	4CIF ▼
Codec Bitrate	2048 ▼
Codec Payload	104 ▼

Audio Codec: XT-12P support four audio codecs: PCMA, PCMU, G729, G722. Different audio codecs require different bandwidth; users can enable/disable them according to different network environment.

Note: Bandwidth consumption and sample rates are as below:

Codec	Bandwidth	Sample Rates
PCMA	64kbit/s	8kHz
PCMU	64kbit/s	8kHz
G729	8kbit/s	8kHz
G722	64kbit/s	16kHz

Video Codec: XT-12P support H.264 standard, which provides better video quality at substantially lower bit rates than previous standards.

Codec Resolution: XT-12P support four resolutions, QCIF, CIF, VGA, 4CIF and 720P.

Codec Bitrate: To configure bit rates of video stream.

Codec Payload: To configure RTP audio video profile.

Go to **Phone - Call Feature** to configure multicast related codec.

4.2.4. DTMF

Go to **Account - Advanced** to configure RTP audio video profile for DTMF and its payload type.

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.

4.2.5. Session Timer

Go to **Account - Advanced** to configure.

If enabled, the ongoing call will be disconnected automatically once the session expired unless it's been refreshed by UAC or UAS.

Multicast Codec	PCMU ▼
-----------------	--------

DTMF	
Type	RFC2833 ▼
How To Notify DTMF	Disabled ▼
DTMF Payload	101 (96~127)

Session Timer	
Active	Disabled ▼
Session Expire	1800 (90~7200s)
Session Refresher	UAC ▼

4.2.6. Encryption

Go to **Account - Advanced** to configure. If enabled, voice will be encrypted.

4.2.7. NAT

Go to **Account - Advanced** to display NAT related settings. **UDP**

Keep Alive message: If enabled, the phone will send UDP keep-alive message periodically to router to keep NAT port alive. **UDP**

Alive Msg Interval: Keep alive message interval.

Rport: Remote port, if enabled, it will add remote port into outgoing SIP message for designated account.

4.2.8. User Agent

Go to **Account - Advanced** to configure. One can customize user agent field in the SIP message. If user agent is set to specific value, users can see the information from PCAP. If user agent is not set

Encryption	
Voice Encryption(SRTP)	Disabled ▼

NAT	
UDP Keep Alive Messages	Disabled ▼
UDP Alive Msg Interval	30 (5~60s)
RPort	Disabled ▼

User Agent	
User Agent	<input type="text"/>

by default, users can see the company name, model number and firmware version from PCAP.

4.3. Access Control

4.3.1. Web Relay

XT-12P can support to connect to web relay. Go to **Phone - WebRelay** to configure.

Type: Connect web relay and choose the type.

IP Address: Enter web relay’s IP address.

User Name: it is an authentication for connecting web relay.

Password: It is an authentication for connecting web relay.

Web Relay Action: Web relay action is used to trigger the web relay.

The action URL is provided by web relay vendor.

Web Relay Key: If the DTMF keys are same with the local relay, the web relay will be open with local relay. But if there are different, the web relay is invalid.

WebRelay

Type	ControlByWeb ▾
IP Address	192.168.1.2
UserName	<input type="text"/>
Password	<input type="password"/>

Web Relay Action Setting

Action ID	Web Relay Action	Web Relay Key	Web Relay Extension
Action ID 01	state.xml?relayState=2	1	192.168.1.99
Action ID 02	<input type="text"/>	<input type="text"/>	<input type="text"/>
Action ID 03	<input type="text"/>	<input type="text"/>	<input type="text"/>
Action ID 04	<input type="text"/>	<input type="text"/>	<input type="text"/>
Action ID 05	<input type="text"/>	<input type="text"/>	<input type="text"/>
Action ID 06	<input type="text"/>	<input type="text"/>	<input type="text"/>
Action ID 07	<input type="text"/>	<input type="text"/>	<input type="text"/>
Action ID 08	<input type="text"/>	<input type="text"/>	<input type="text"/>
Action ID 09	<input type="text"/>	<input type="text"/>	<input type="text"/>
Action ID 10	<input type="text"/>	<input type="text"/>	<input type="text"/>

Web Relay Extension: The web relay can only receive the DTMF signal from the corresponding extension number.

Note: Users can modify username and password in web relay website.

4.3.2. Wiegand

Using this feature to integrate with some wiegand access control. XT-12P can be used as wiegand input or output.

Go to **Intercom - Advanced** to configure.

Wiegand Type: Support Wiegand 26 or 34. The different number means different bits.

Wiegand Mode: Input or output. Typically, when users select input, we generally connect the wiegand input device, such as the wiegand card reader. Or XT-12P can be used as output, it is generally used to connect the third-party access control, and XT-12P change the card information as wiegand signal, and then transfer to the access control module.

Wiegand	
WiegandType	wiegand-26 ▼
Wiegand Mode	Input ▼

4.4. Security

4.4.1. Anti-alarm

Go to **Intercom - Advanced** to configure.

Tamper Alarm: XT-12P integrates internal gravity sensor for its own security. After enabling tamper alarm, if the gravity of XT-12P changes dramatically, it will alarm. Gravity sensor threshold stands for sensitivity of sensor. Smaller the value, the more sensitive it is.

4.4.2. Motion

XT-12P supports motion detection, go to **Intercom - Motion** to configure detection related parameters.

Motion Detection: To enable or disable motion detection.

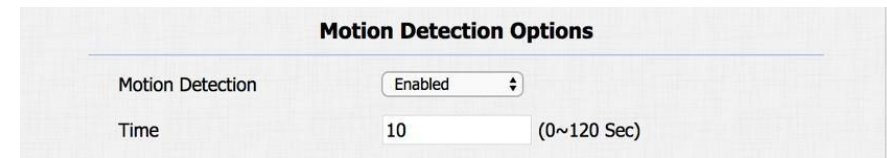
Action to execute: To choose suitable way to receive message or snapshot when detecting motion.



Tamper Alarm

Tamper Alarm

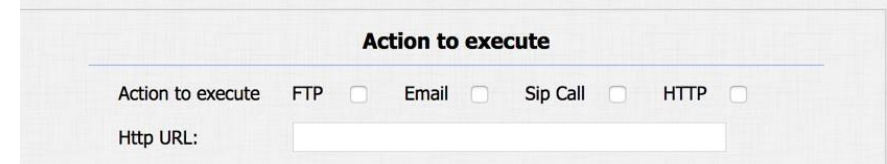
Gravity Sensor Threshold (0~127)



Motion Detection Options

Motion Detection

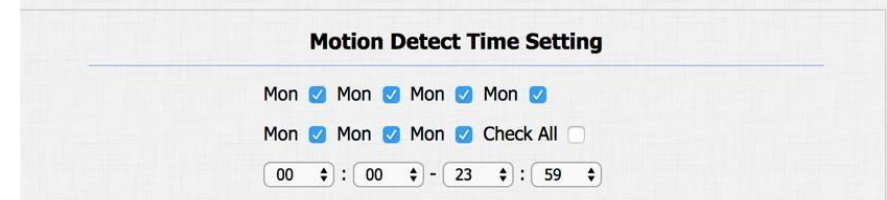
Time (0~120 Sec)



Action to execute

Action to execute FTP Email Sip Call HTTP

Http URL:



Motion Detect Time Setting

Mon Mon Mon Mon

Mon Mon Mon Check All

: - :

Motion Delay: To configure minimum time gap between two snapshots.

Motion Detect Time Setting: To configure motion detect time schedule.

4.4.3. Action

XT-12P supports to send notifications, snapshots via email and ftp transfer method, or calls via sip call method, when trigger specific actions.

4.4.3.1. Action Parameters

Go to **Intercom - Action** to set action receiver.

Email Notification

Sender's email address: To configure email address of sender.

Receiver's email address: To configure email address of receiver.

Email Notification	
Sender's email address	<input type="text" value="neil.fang1214@gmail.com"/>
Receiver's email address	<input type="text" value="neil.fang@xontel.com"/>
SMTP server address	<input type="text" value="smtps://smtp.gmail.com"/>
SMTP user name	<input type="text" value="neil.fang1214@gmail.com"/>
SMTP password	<input type="password" value="....."/>
Email subject	<input type="text" value="Test"/>
Email content	<input type="text" value="Only for Testing."/>
<input type="button" value="Email Test"/>	

SMTP server address: To configure SMTP server address of sender.

SMTP user name: To configure user name of SMTP service (usually it is same with sender's email address).

SMTP password: To configure password of SMTP service (usually it is the same with the password of sender's email).

Email subject: To configure subject of email.

Email content: To configure content of email.

Email Test: To test whether email notification is available.

FTP Notification

FTP Server: To configure URL of FTP server.

FTP User Name: To configure user name of FTP server.

FTP Password: To configure password of FTP server. **FTP**

Test: To test whether FTP notification is available. **SIP**

Notification

SIP Call Number: To configure sip call number.

SIP Call Name: To configure display name of XT-12P.

FTP Notification	
FTP Server	<input type="text" value="192.168.1.155"/>
FTP User Name	<input type="text" value="admin"/>
FTP Password	<input type="password" value="....."/>
<input type="button" value="FTP Test"/>	

SIP Call Notification	
SIP Call Number	<input type="text" value="5101100010"/>
SIP Caller Name	<input type="text" value="Judy"/>

Five specific actions which will be triggered in XT-12P:

4.4.3.2. Input Interface Triggered Action

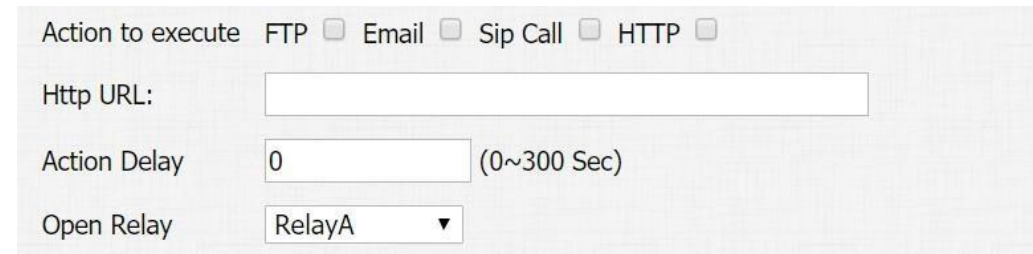
Go to **Intercom - Input** to configure.

Action to execute: To choose which action to execute after triggering.

Http URL: To configure URL, if HTTP action is chosen.

Action Delay: To configure after how long to execute to send out notifications and trigger relay.

Open relay: To configure which relay to trigger.



Action to execute FTP Email Sip Call HTTP

Http URL:

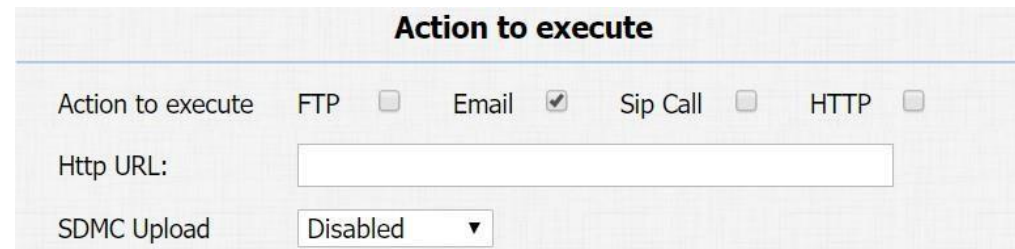
Action Delay (0~300 Sec)

Open Relay

4.4.3.3. Motion Triggered Action

Go to **Intercom - Motion** to configure.

Action to execute: To choose which action to execute after triggering.



Action to execute

Action to execute FTP Email Sip Call HTTP

Http URL:

SDMC Upload

Http URL: To configure URL, if HTTP action is chosen.

SDMC Upload: Upload the capture to the SDMC.

4.5. Upgrade

4.5.1. Web Upgrade

Go to **Upgrade - Basic** to do web upgrade.

Upgrade: Choose “.rom” firmware from the PC, and then click “Submit” to start update.

4.5.2. Autop Upgrade

Go to **Upgrade - Advanced** to configure automatically update server’s settings.

PNP

Plug and Play, once PNP is enabled, the phone will send SIP subscription message to PNP server automatically to get auto provisioning server’s address.

Firmware Version	20.31.3.204
Hardware Version	20.9.0.0.0.0.0
Upgrade	<input type="button" value="Choose File"/> No file chosen
	<input type="button" value="Submit"/> <input type="button" value="Cancel"/>

PNP Option	
PNP Config	<input type="text" value="Enabled"/>

By default, this SIP message is sent to multicast address 224.0.1.75 (PNP server address by standard).

Automatic Autop

To display and configure auto provisioning mode settings. This auto provisioning mode is actually self-explanatory.

For example, mode “Power on” means the phone will go to do provisioning every time it powers on.

Note: Please refer to the related feature guide from forum.

4.5.3. Backup Config File

Go to **Upgrade - Advanced** to backup the config file.

Export Autop Template: To export current config file. **Others:**

To export current config file (Encrypted) or import new config file.

Automatic Autop	
Mode	Power On ▾
Schedule	Sunday ▾
	22 Hour(0~23)
	0 Min(0~59)
Clear MD5	Submit

Export Autop Template	Export
Others	
Config File(.tgz/.conf/.cfg)	Choose File No file chosen
	Export (Encrypted)
	Import Cancel

4.6. Log

4.6.1. Call Log

Go to **Phone - Call Log**, users can see a list of call logs which have dialed, received or missed. Users can delete call logs from list.

4.6.2. Door Log

Go to **Phone - Door Log**, users can see a list of door logs which records card information and date.

Call History							All	▼
Index	Type	Date	Time	Local Identity	Name	Number	☐	
1	Received	2018-09-30	08:28:46	192.168.35.1 0@192.168.35.10	192.168.35.68	192.168.35.68@192.168.35.68	☐	
2	Received	2018-09-30	08:26:40	192.168.35.1 0@192.168.35.10	192.168.35.68	192.168.35.68@192.168.35.68	☐	

Door Log							
Index	Name	Code	Type	Date	Time	Status	☐
1	Courier	FFB59828	Card	2018-09-30	10:49:19	Failed	☐
2	unKnown	1FEDBA28	Card	2018-09-30	10:49:16	Failed	☐
3	Courier	FFB59828	Card	2018-09-30	10:49:09	Failed	☐
4							☐
5							☐
6							☐
7							☐
8							☐
9							☐
10							☐
11							☐
12							☐
13							☐
14							☐
15							☐

Page 1 ▼ Prev Next Delete Delete All

4.6.3. System Log

Go to **Upgrade - Advanced** to configure system log level and export system log file.

System log level: From level 0 to 7. The higher level means the more specific system log is saved to a temporary file. It's level 3 by default.

Export Log: Click to export temporary system log file to local PC.

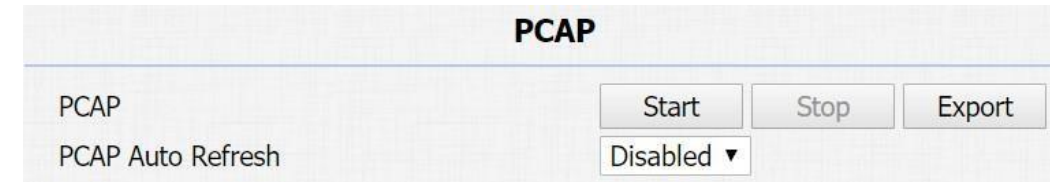
System Log	
LogLevel	3 ▼
Export Log	<input type="button" value="Export"/>

4.6.4. PCAP

Go to **Upgrade - Advanced** to start, stop packets capturing or to export captured packet file.

Start: To start capturing all the packets file sent or received from phone.

Stop: To stop capturing packets.



Contact us

For more information about the product, please visit us at www.xontel.com or feel free to contact us by Technical support email: smc@xontel.com

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We highly appreciate your feedback about our products.