User Guide

PeopleLink Impact Pro Codec

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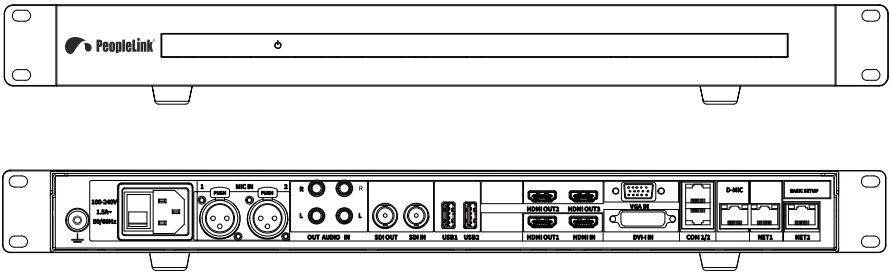

User Guide

(English Version)

Please read this Manual before setting up Impact Pro Codec and stick to its requirements strictly for Safety reason. Suggest you save this manual for further inquiries reference.

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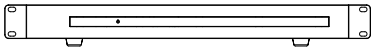
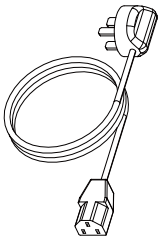
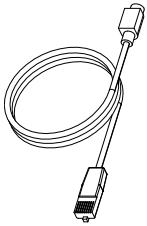
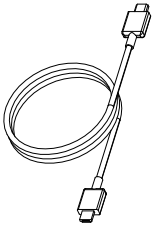
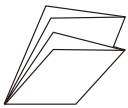
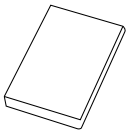
1 Packing List

When unpacking, please check and confirm all accessories that should be provided.

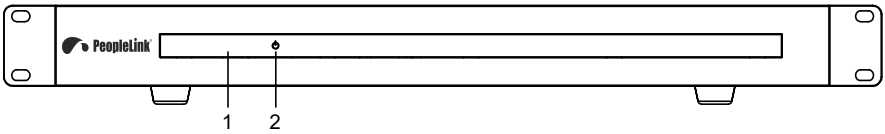
		
HD Video Conference Terminal x 1	Power Adapter x 1	Remote Control x 1
		
RJ45 to DIN8 Control Cable x 1	HDMI Cable x 2	Quick Start x 1
		-
User Guide x 1		-

2 About Product

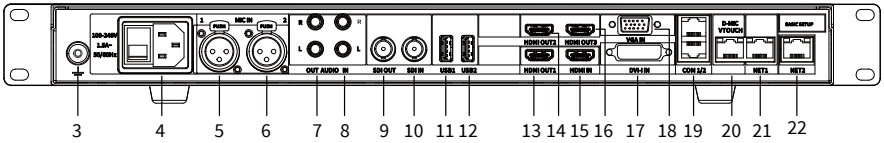
The split HD video conference terminal adopts embedded system design and supports 1080P HD codec and H.323 and SIP communication protocols. Split-type design, easy to install, connect to the network, microphone, TV, plug in the power to communicate. The voice and image information are transmitted to each other to complete various conference functions such as document sharing. Save meeting time and funds, improve work efficiency, and create convenient face-to-face video conference interaction and all-round communication and communication.

2.1 Product Appearance

Appearance



Interface



No.	Name	Function
1	Infrared Receiving Window	Receiving the infrared signal
2	POWER	Power on/off/indicator
3	Ground Interface	Ground interface for connecting the ground cable
4	Power Interface	100~240V power input
5	MIC IN 1	Microphone audio input interface 1 for receiving voice

6	MIC IN 2	Microphone audio input interface 2 for receiving voice
7	AUDIO OUT	Lotus head audio output interface, connects the speaker and terminal through the audio cable to output sound.
8	AUDIO IN	Lotus head audio input interface, connects to the audio input devices such as microphones, mixers, etc. to input sound.
9	SDI OUT	SDI output interface for connecting a coaxial cable to the SDI output interface.
10	SDI IN	SDI input connector for connecting a coaxial cable to the SDI input interface.
11	USB1	USB interface 1 for USB devices such as an external USB flash drive, mouse, keyboard, microphone or speaker.
12	USB2	USB interface 2 for USB devices such as an external USB flash drive, mouse, keyboard, microphone or speaker.
13	HDMI OUT1	HDMI output interface 1, connected to the terminal and HDTV via HDMI cable.
14	HDMI OUT2	HDMI output interface 2, connected to the terminal and HDTV via HDMI cable.
15	HDMI OUT3	HDMI output interface 3, connected to the terminal and HDTV via HDMI cable.
16	HDMI IN	HDMI input interface, connect the terminal and camera through HDMI cable.
17	VGA IN	VGA IN interface, connect to computer through VGA cable to output VGA signal to the terminal.
18	DVI-I IN	DVI-I IN interface for connecting the second video input device (such as computer). Connect the computer or the second video source to the DVI-I IN input interface through DVI cable. Press the “ ” key on remote control, select “Open Dual Stream” and confirm with “ ” key to send the second video to the conference terminal.

19	COM 1/2	COM 1/2 interface for connecting the external serial communication device.
20	D-MIC	Digital microphone input interface.
21	NET1	Network interface 1, connected to the network through the network cable.
22	NET2	Network interface 2, connected to the network through the network cable.

2.2 Product Specifications

Category	Item	Specifications
Electrical Feature	Operating Voltage	AC 100V ~ 240V
	Power Consumption	20W (max.)
Environmental Requirements	**Working Status**	
	Temperature	0°C ~ 40°C
	Relative Humidity	10% ~ 80%
	Ambient Noise	<46dBA SPL
	Non-working Status	
	Temperature	-40°C ~ 70°C
	Relative Humidity	0% ~ 95%
Physical Feature	Dimension	430mm x 200mm x 44mm (Without mounting hanger and foot pad)
	Net Weight	3.2kg

3 Installation Connection

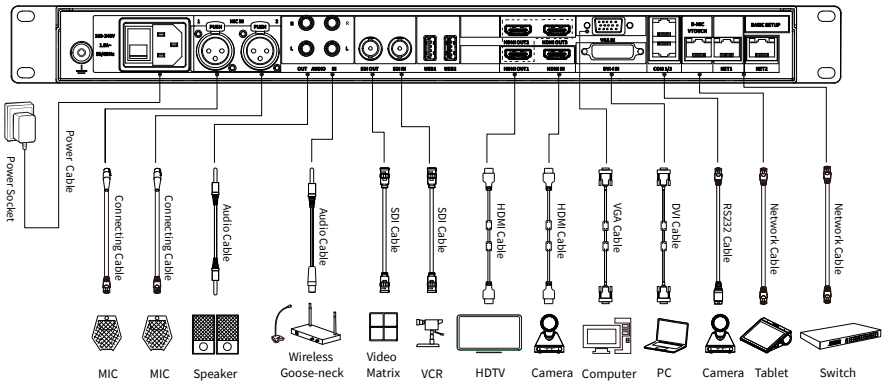
The terminal can be installed in the cabinet or placed directly on the horizontal desktop.

Note

- If you place the terminal directly on the desktop, keep the desktop steady and pay attention to the anti-slip.
- If you place the terminal in a rack, use screws to secure it to the rack.
- Adjust the orientation of the terminal to avoid facing bright light sources (such as windows). It is recommended that the terminal be facing the participant.

3.1 Connection Cable

The cable connections shown in the following figure contains optional configurations. They are for reference only. Please connect cables according to actual needs.



The connection configuration is as follows:

- Main Video Image Input: Connect an external camera to the HDMI IN interface via a HDMI cable.
- The Second Video Image Input: Connect the computer or the second video source to DVI-I IN interface via a DVI cable.

- Microphone Audio Input: Use the cannon cable to connect a matching microphone to MIC IN interface.
- Player Audio Input: Use the lotus head cable to connect a computer or phone audio source to the AUDIO IN interface.
- Audio Output: Connect the HDTV to HDMI OUT1 interface via a HDMI cable or connect a speakerphone to the AUDIO OUT interface via the lotus head cable.
- Main Video Image Output: Connect a HDTV to HDMI OUT1 interface via a HDMI cable.
- The Second Video Image Output: Connect a HDTV to HDMI OUT2 interface via a HDMI cable.
- The Third Video Image Output: Connect a HDTV to HDMI OUT3 interface via a HDMI cable.
- Network Connecting: Use a network cable to connect the NET interface to connect the terminal to the network.
- Power Connecting: Connect to the power outlet using 100~240V power cable.

3.2 Power On

Turn on the power after all the devices used with the conference terminal have been connected.

Notice

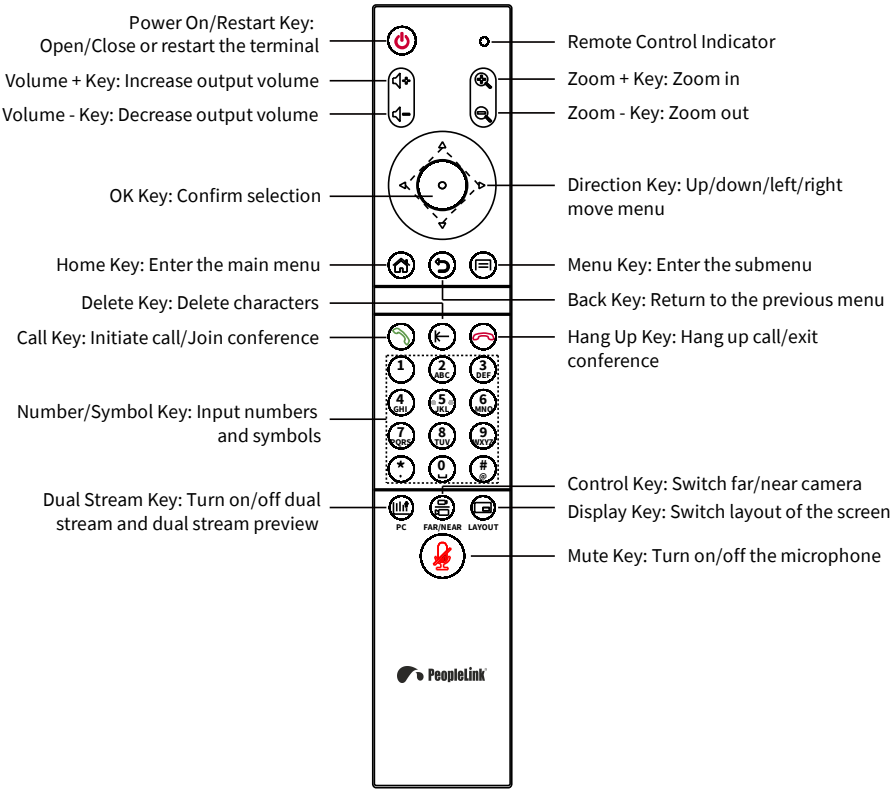
- When the terminal power is on, prevent the power cord disconnecting from the terminal and causing the terminal to lose power.
- Turn off the terminal first, then turn off the external power supply, and finally pull out the power cord. Please check that the power cord is properly and reliably connected to the device as described below.
- Please make sure that the AC voltage is 100V~240V and the frequency is 50Hz or 60Hz.
- The sequence definition and the corresponding voltage difference of live wire (L), neutral wire (N) and protective earth wire (PE) must comply with international standards, and the protective earth wire must be reliably grounded.

Use HDMI OUT1 as the output interface, connect the cables as shown as above and press the power button (green light is on) to power on to display the main menu.

After power is turned on, the indicators of the terminal are as shown in the following table.

Indicator	Description
Green Indicator	Normal operation
Orange Indicator	Powered off but not disconnected from power
Off	Power disconnected
Green Flashing Indicator	Received infrared signal

4 Remote Control

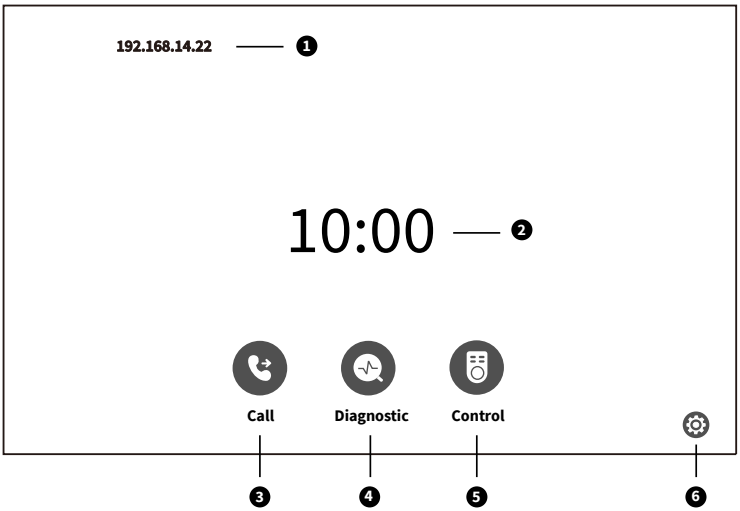


Notice

The remote control may be affected by strong light, and the normal working distance is about ten meters.

5.GUI Main Interface

Press the menu key "" of the remote control to enter the GUI main interface.



No.	Description	No.	Description	No.	Description
1	IP Address	2	Time	3	Call Menu
4	Diagnostic Menu	5	Control Menu	6	Settings Menu

Move the cursor to "" position and press "" key of remote control to confirm to enter the call menu;

Move the cursor to "" position and press "" key of remote control to confirm to enter the diagnostic menu;

Move the cursor to "" position and press "" key of remote control to confirm to enter the control menu;

Move the cursor to "" position and press "" key of remote control to confirm to enter the settings menu;

Basic Settings

4.1 Network Settings

Before using the Ethernet for video communication, you must pre-configure the Ethernet parameters of the terminal, like IP address, netmask, Default gateway and DNS address.

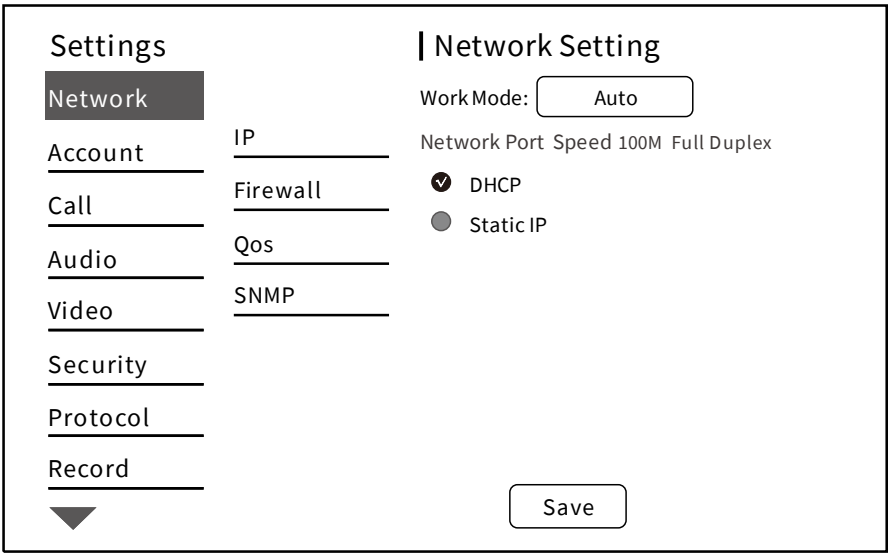
➢ Operation

Step 1 Enter the GUI main interface, select “Settings > Network > IP”.

Step 2 Configure the network parameters. The description of parameter is shown on below table.

Step 3 Select “Save” to save the configuration.

Step 4 Press the key of remote control to go back to the GUI main interface.



Parameter	Description
Work Mode	Configure the network working mode: ● Auto ● 10M Full Duplex ● 10M Half Duplex ● 100M Full Duplex ● 100M Half Duplex ● 1000M Full Duplex ● 1000M Half Duplex
Connection Type	● DHCP: The terminal automatically obtains an IP address through a DHCP server. ● Static IP: The IP address of the terminal is assigned by the network administrator. You need to set the IP address, netmask, gateway, and DNS address. ➢ IP address: Configure the IP address of the terminal ➢ Netmask: Configure the subnet mask of the terminal ➢ Gateway: Configure the default gateway address of the terminal ➢ DNS address: Configure the IP address of the DNS server

4.2 H323 Account (optional)

Set the H323 ID and number of the terminal, specify the GK address so that the terminal can register with the GK and call conferences or other terminals using the number.

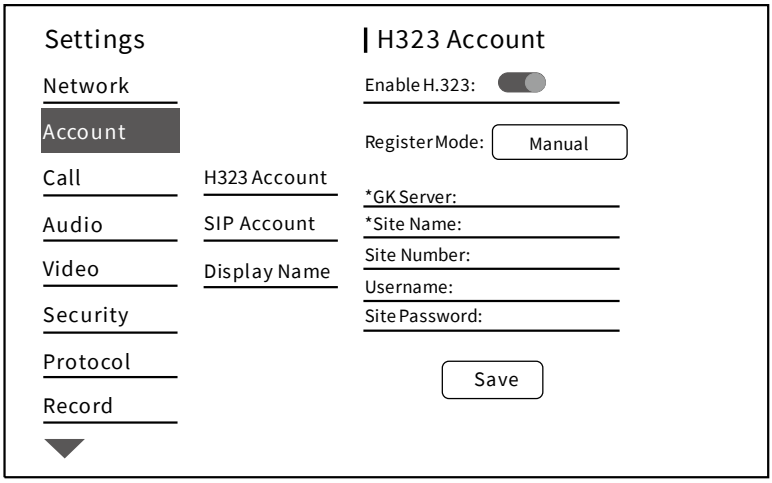
➢ Operation

Step 1 Enter the GUI main interface, select "Settings > Account > H323 Account".

Step 2 Configure the H323 account parameter. The description of parameter is shown on below table.

Step 3 Select "Save" to save the configuration.

Step 4 Press the key of remote control to go back to the GUI main interface.



Parameter	Description
Enable H.323	Enable or disable H.323 function.
Register Mode	Select the H.323 account register mode, when in manual register mode, you need to enter the information required for H.323 registration manually.
GK Server	Set the IP address or domain name of the GK server. When set to domain name, you need to enable the DNS server and set the correct mapping on the DNS server.
Site Name	The name or alias of the terminal registered on the GK. After the terminal registers with the GK server, the GK server identifies the terminal with the name.
Site Number	The corresponding site number of the terminal. After the terminal registers with the GK server, the remote terminals can use the number to call this terminal.
Username	Input the username used to register with H323 server.
Site Password	The password registered by the terminal to the GK server for the legality of the GK server authentication terminal.

4.3 SIP Account (optional)

Configure the SIP parameters, set the SIP address of the terminal, and communicate with the remote server through the registration number.

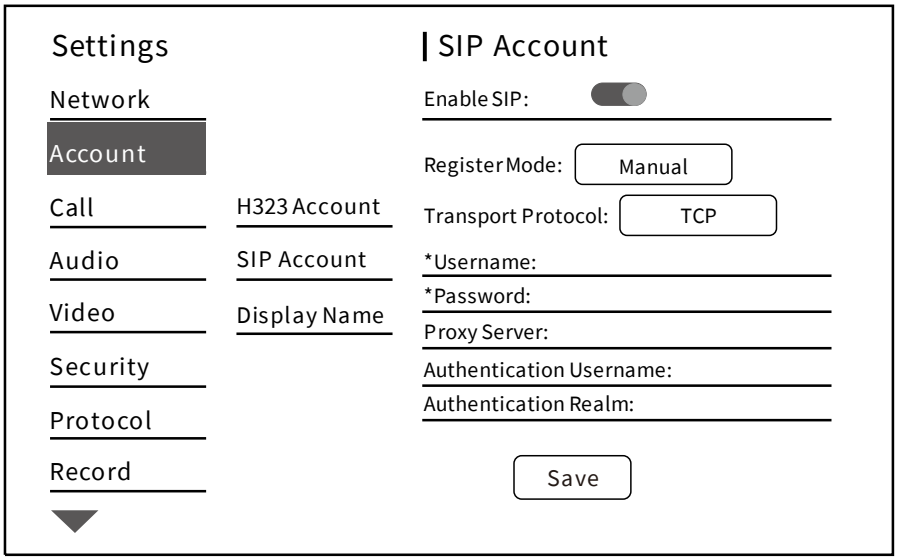
➢ Operation

Step 1 Enter the GUI main interface, select "Settings > Account > SIP Account".

Step 2 Configure the SIP parameters. The description of parameter is shown on below table.

Step 3 Select "Save" to save the configuration.

Step 4 Press the key of remote control to go back to the GUI main interface.



Parameter	Description
Enable SIP	Enable or disable SIP function.
Register Mode	Select the SIP account register mode, when in manual register mode, you need to enter the information required for SIP registration manually.
Transport Protocol	Select the required transport protocol: TCP, UDP, TLS and Auto.

Parameter	Description
Username	Enter the username used to register the SIP server.
Password	Enter the password of the SIP server to be used by the terminal to authenticate the terminal of the SIP server. When the SIP server is authenticated, the password set by the terminal must be the same as the password set in advance on the SIP server.
Proxy Server	Enter the IP address or domain name of the SIP proxy server. This must be enabled when the user's network environment requires that the proxy server be enabled.
Authentication Username	Enter the username used for authentication.
Authentication Realm	Enter the domain name used by the SIP server to identify the corresponding domain.

Note

After you enable the terminal to register the SIP server, you need to configure the “Proxy Server”, “Username” and “Authentication Realm”.

4.4 Display Name

Configure the terminal name and select the H.323 displays name encoding and decoding mode.

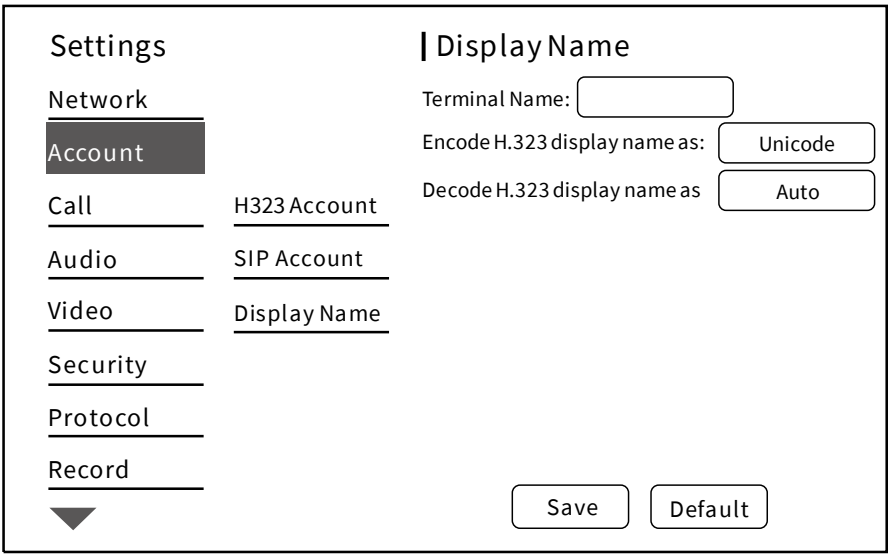
➢ Operation

Step 1 Enter the GUI main interface, select “Settings > Account > Display Name”.

Step 2 Configure the “Display Name” of the terminal.

Step 3 Select “Save” to save the configuration.

Step 4 Press the key of remote control to go back to the GUI main interface.



4.5 Language Setting

Step 1 Enter the GUI main interface, select “Settings > System > Language”.

Step 2 Set the desired system language.

Step 3 Select “Save” to save the configuration.

Step 4 Press the key of remote control to go back to the GUI main interface.

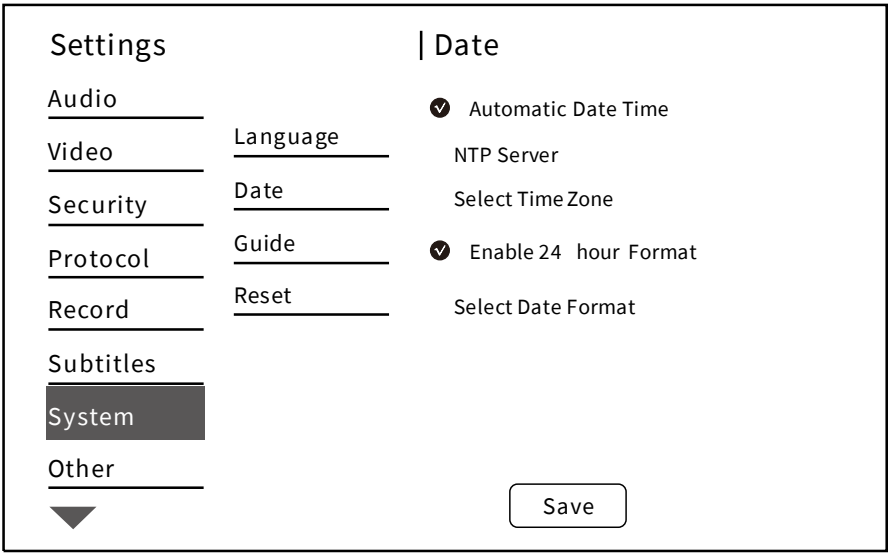
4.6 Date Setting

Step 1 Enter the GUI main interface, select “Settings > System > Date”.

Step 2 Configure the parameters such as date, time, and date format. The description of parameter is shown on below table.

Step 3 Select “Save” to save the configuration.

Step 4 Press the key of remote control to go back to the GUI main interface.



Parameter	Description
Automatic Date Time	Enable “Automatic Date Time” to indicate the time provided by the network.
Set Date	Set the date to take effect when disable “Automatic date time”.
Set Time	Set the time to take effect when disable “Automatic date time”.
NTP Server	Set the NTP time server.
Select Time Zone	Select the time zone of your region.
Enable 24-hour Format	Enable or disable the 24-hour format.
Select Date Format	Select the date format: day-month-year and year-month-day.

4.7 Reset Setting

Step 1 Enter the GUI main interface, select “Settings > System > Reset”.

Step 2 Select “Reset to factory settings”.

Step 3 Select “Save” to confirm and restart system.

Notice

After restoring the factory settings, all the terminal parameters you configured previously will be lost and restored to default settings.