

STDP

STUN & Dial-peer

User Manual



PORTech Communications Inc.

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1. Introduction

STDP is the external box combined with STUN Server, Dial-peer Server and NAT function all in one that can handle all MV-37X, total volume up to 8 ports each. User can forward the traffic to STDP Box's IP and Ports; the calls will automatically switches from a busy line to available line via couples MV-37X's GSM line. In that case, you won't be trouble with lots IP and ports created by several MV-370, MV-372 and MV-374. Also, in NAT Trans, it requires STUN server to avoid one way audio which caused and blocked by Firewall. STDP BOX is just like mini size STUN Server and can accommodate and resolve the issue of NAT instead of other PC unit.

2. Parts list

Please check the parts for any missing parts. If do, please contact our agents :

3.1 「STDP」 main body

3.2 Power adaptor AC-DC (110V AC – 12V DC) or (220V AC – 12V DC)

3.3 Network cable

3.4 User Manual



(3.1) STDP



(3.2)

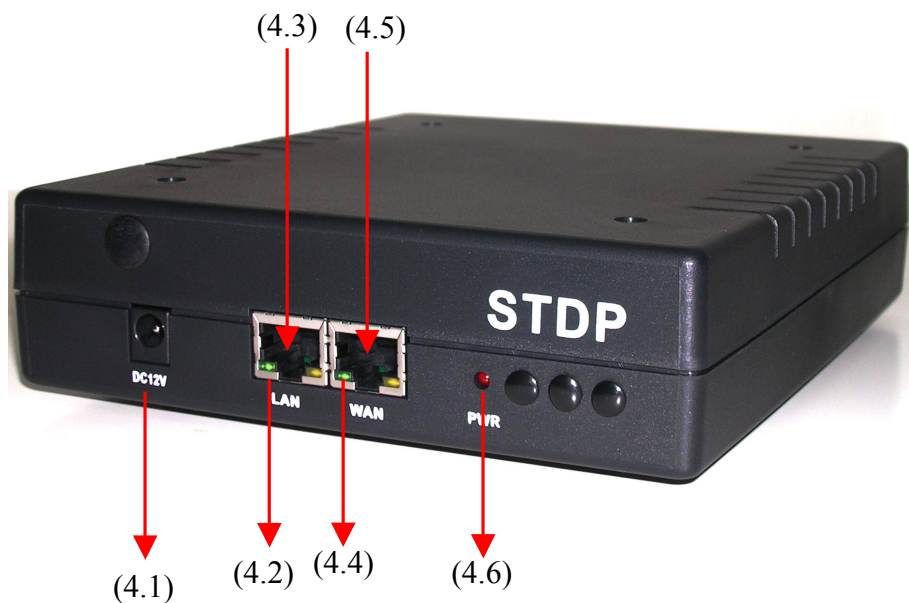


(3.3)

3. Dimension: 14.5cm x 17cm x 3.9cm



4. STDP Panel description



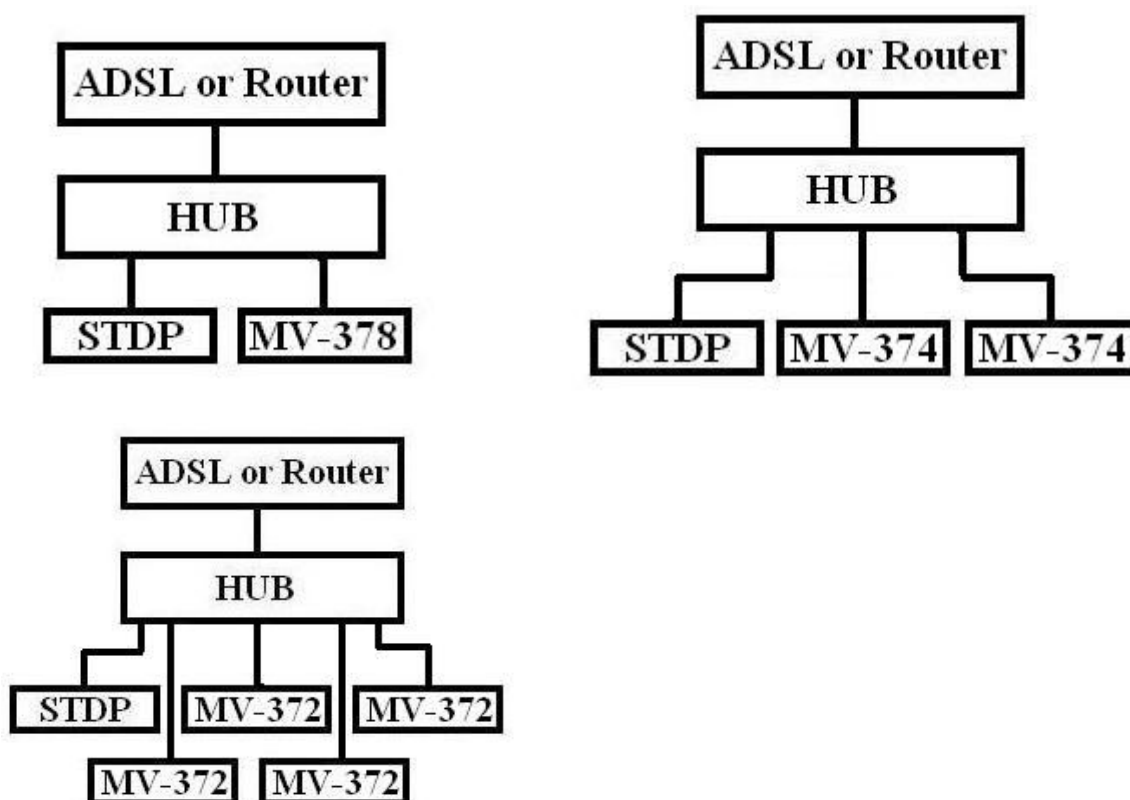
-
- 4.1 DC 12V : Power socket.
 - 4.2 LAN LED: LAN indicator light, green light. Light continues on when LAN network is connected. Light flashes when LAN is transmit/receive data.
 - 4.3 LAN: Standard RJ-45 socket.
 - 4.4 WAN LED: WAN indicator light, green light. Light continues on when WAN network is connected. Light flashes when WAN is transmit/receive data.
 - 4.5 WAN: Standard RJ-45 socket, connecting to HUB.
 - 4.6 PWR LED: Power indicator light, red light. Light is on when system's power supply is normal.

5. CABLING

5.1 Application

Connect the network cable from HUB to the 'WAN' of the STDP and MV-37x are same way.

*If you need to stack up more MV-37x, you can stack up as follows.



5.2 STDP Reset Button

When you need reset the system or reset to Default Settings IP (192.168.0.100), please open the slide cover on the back side of STDP BOX , like below diagram for two button function:



(5.21) (5.22)

5.21: Press RESET button to run the system

5.22: Click IP-RESET button for 7~8 seconds, it will restore
Reset IP: 92.168.0.100 and other settings as wells.

6. Web Page Setting

When the IP setting is done, the operator may setup all the rest parameters via web page. Browse the IP address from Internet Explorer (e.g. <http://192.168.0.100>). The following page shows up:

Enter the username and password for authentication. (default username=voip, password=1234). The page follows when the username and password are correct.

7. System Information.

7.1 When you login the web page, you can see the demo system current system information like firmware version, company... etc in this page.

7.2 Also you can see the function lists in the left side. You can use mouse to click the function you want to set up.



PORTech Your CTI Partner	
STDP SIP Distributor v1.03	
Model Type:	STDP for MV-37X
Description:	STUN Server and Dial Peer for Mobile VOIPs.
Firmware Version:	Mon May 25 18:05:28 2009.
Codec Version:	Wed Jan 17 15:06:12 2007.
Contact Address:	150, Shiang-Shung N.Road., Taichung, Taiwan, R.O.C.
Tel:	886-4-23058000
Fax:	886-4-23022596
E-Mail:	sales@portech.com.tw
Web Site:	http://www.portech.com.tw

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8. Dial Peer.

8.1 Dial Status



Dial Peer Status

2009-06-04 19:37

CH	MvIP	State	Caller IP
01	192.168.0.102:5060	BUSY/0	192.168.0.92:5060
02	192.168.0.102:5062	ENDING/0	192.168.0.92:5060
03	192.168.0.102:5064	IDLE/1	192.168.0.92:5060
04	192.168.0.102:5066	RING/0	192.168.0.92:5060
05	192.168.0.102:5068	LISTEN/0	192.168.0.92:5060
06	192.168.0.102:5070	INIT/0	-
07	192.168.0.102:5072	INIT/0	-
08	192.168.0.102:5074	INIT/0	-

Description:

1. Ring/0: ring back
2. Busy/0: connecting
3. Listen/0: busy mode
4. Ending/0: Hang up
5. INT/0: module: initialize
6. IDEL/0: not registered
7. IDEL/1: Registered

8.2 MvIP Setting

MvIP setting

Position: It can set up to 8 ports, Number 0 to 7.

E.g. MV-370*8 / MV-372*4 / MV-374*2 / MV-378*1

Comment: The item name of connected device

URL: Port: The MV-37X's IP and ports which connect to STDP

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Dial Peer

Dial Status

MvIP Setting

Network

Settings

Update

System Authority

Save Change

Reboot

Mobile IP Setting

Item	Comment	URL:Port	Select
0	378	192.168.0.100:5060	<input type="checkbox"/>
1	378	192.168.0.100:5062	<input type="checkbox"/>
2	378	192.168.0.100:5064	<input type="checkbox"/>
3	378	192.168.0.100:5066	<input type="checkbox"/>
4	378	192.168.0.100:5068	<input type="checkbox"/>
5	378	192.168.0.100:5070	<input type="checkbox"/>
6	378	192.168.0.100:5072	<input type="checkbox"/>
7	378	192.168.0.100:5074	<input type="checkbox"/>

Delete Selected

Delete All

reset

Add New

Position: (0~7)

Comment:

URL:Port: Ex: 192.168.0.102:5064

Add

reset

378*1

Dial Peer

Network

Settings

Port Settings

Update

System Authority

Save Change

Reboot

Mobile IP Setting

Item	Comment	URL:Port	Select
0	374	192.168.0.100:5060	<input type="checkbox"/>
1	374	192.168.0.100:5062	<input type="checkbox"/>
2	374	192.168.0.100:5064	<input type="checkbox"/>
3	374	192.168.0.100:5066	<input type="checkbox"/>
4	374	192.168.0.101:5060	<input type="checkbox"/>
5	374	192.168.0.101:5062	<input type="checkbox"/>
6	374	192.168.0.101:5064	<input type="checkbox"/>
7	374	192.168.0.101:5066	<input type="checkbox"/>

Delete SelectedDelete Allreset

Add New

Position: (0~7)

Comment:

URL:Port: Ex: 192.168.0.102:5064

Addreset

374*2



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Dial Peer

Dial Status

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System Authority

Save Change

Reboot

Mobile IP Setting

Item	Comment	URL:Port	Select
0	372	192.168.0.100:5060	<input type="checkbox"/>
1	372	192.168.0.100:5062	<input type="checkbox"/>
2	372	192.168.0.101:5060	<input type="checkbox"/>
3	372	192.168.0.101:5062	<input type="checkbox"/>
4	372	192.168.0.102:5060	<input type="checkbox"/>
5	372	192.168.0.102:5062	<input type="checkbox"/>
6	372	192.168.0.103:5060	<input type="checkbox"/>
7	372	192.168.0.103:5062	<input type="checkbox"/>

Delete Selected
Delete All
reset

Add New

Position:

(0~7)

Comment:

URL:Port:

Ex: 192.168.0.102:5064

Add

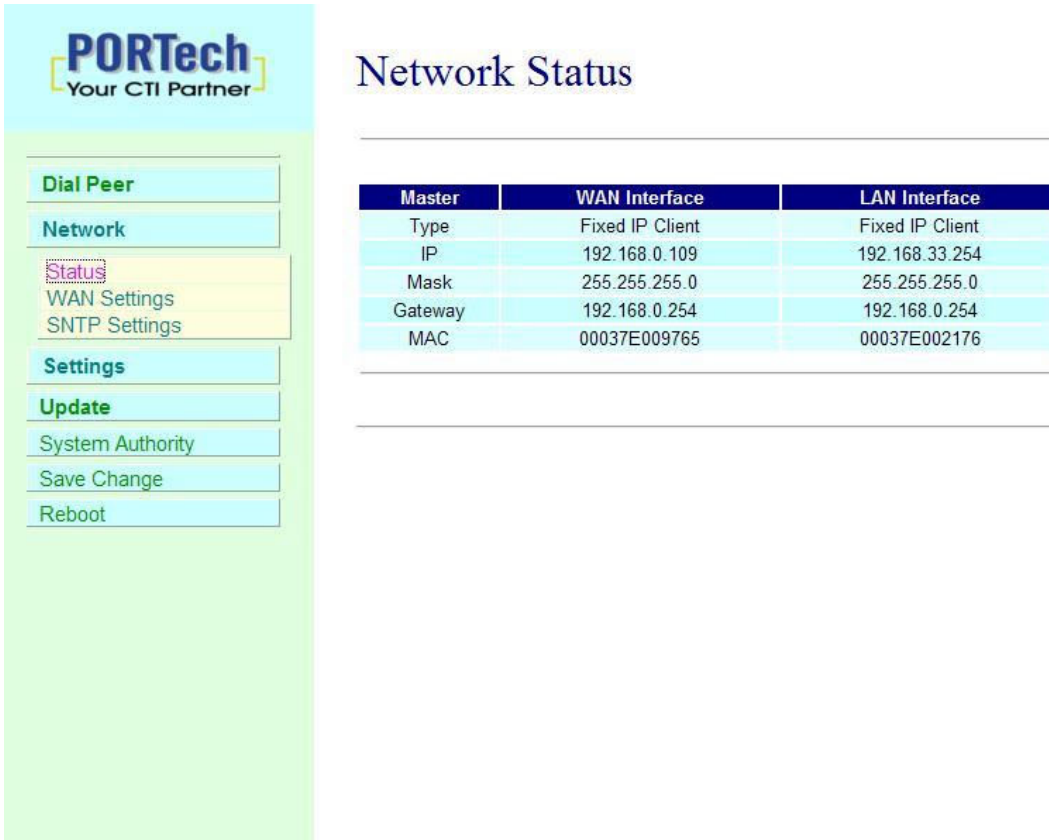
reset

372*4

9. Network

In Network you can check the Network status, configure the WAN Settings and SNTP settings.

9.1 Network Status: You can check the current Network setting in this page.



Master	WAN Interface	LAN Interface
Type	Fixed IP Client	Fixed IP Client
IP	192.168.0.109	192.168.33.254
Mask	255.255.255.0	255.255.255.0
Gateway	192.168.0.254	192.168.0.254
MAC	00037E009765	00037E002176

9.2 WAN Settings: You can check the current Network setting in this page.

- (1) The TCP/IP Configuration item is to setup the WAN port's network environment. You may refer to your current network environment to configure the system properly.

-
- (2) The PPPoE Configuration item is to setup the PPPoE Username and Password. If you have the PPPoE account from your Service Provider, please input the Username and the Password correctly.
- (3) When you finished the setting, please click the Submit button.

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Dial Peer

Network

Status

WAN Settings

SNTP Settings

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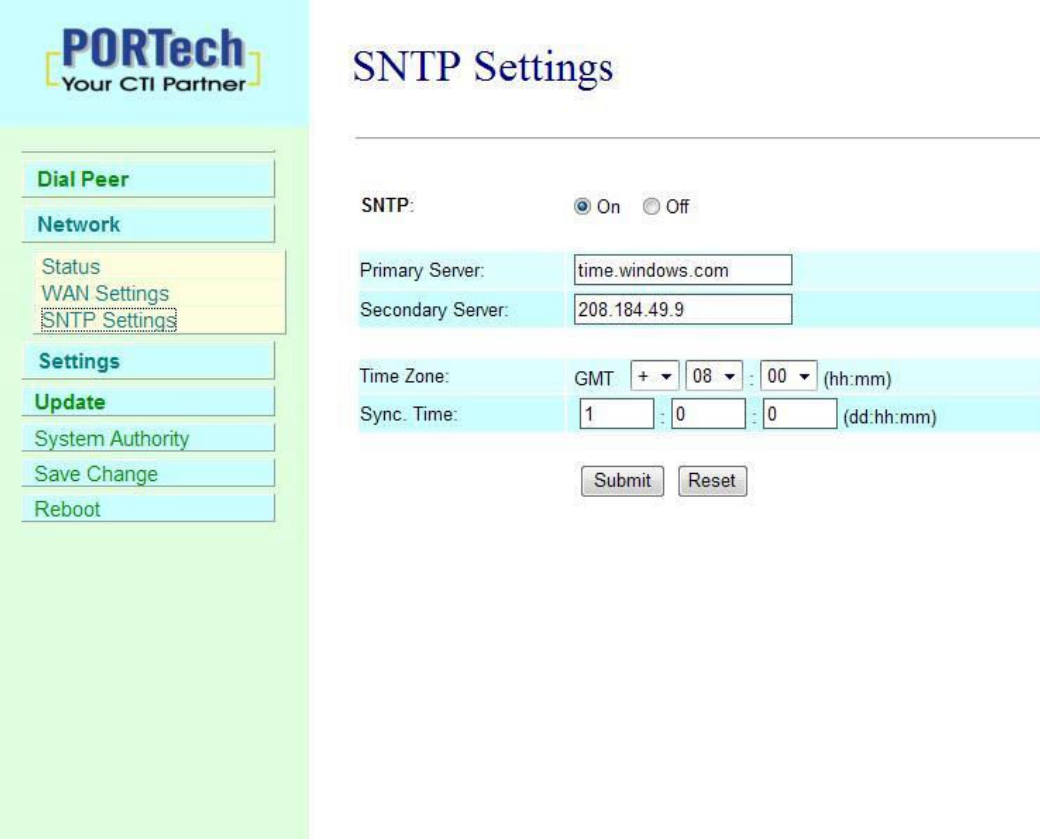
WAN Settings

WAN Setting	
IP Type	<input checked="" type="radio"/> Fixed IP <input type="radio"/> DHCP Client <input type="radio"/> PPPoE
Master IP	<input type="text" value="192.168.0.109"/>
Mask	<input type="text" value="255.255.255.0"/>
Gateway	<input type="text" value="192.168.0.254"/>
DNS Server1	<input type="text" value="168.95.192.1"/>
DNS Server2	<input type="text" value="168.95.1.1"/>
MAC	<input type="text" value="00037e009765"/>

PPPoE Setting	
User Name	<input type="text"/>
Password	<input type="text"/>

9.3 SNTP Settings:

SNTP Setting function: you can setup the primary and second SNTP Server IP Address, to get the date/time information. Also you can base on your location to set the Time Zone, and how long need to synchronize again. When you finished the setting, please click the Submit button.



The screenshot displays the PORTech web interface for SNTP Settings. On the left is a vertical navigation menu with the PORTech logo and the tagline 'Your CTI Partner'. The menu includes buttons for 'Dial Peer', 'Network', 'Status', 'WAN Settings', 'SNTP Settings' (which is highlighted), 'Settings', 'Update', 'System Authority', 'Save Change', and 'Reboot'. The main content area is titled 'SNTP Settings' and contains the following configuration options:

- SNTP:** A radio button interface with 'On' selected and 'Off' unselected.
- Primary Server:** A text input field containing 'time.windows.com'.
- Secondary Server:** A text input field containing '208.184.49.9'.
- Time Zone:** A dropdown menu set to 'GMT', followed by two more dropdowns for offset: '+', '08', and ':00', with '(hh:mm)' as a label.
- Sync. Time:** Three input fields for synchronization interval: '1', ': 0', and ': 0', with '(dd:hh:mm)' as a label.
- Buttons:** 'Submit' and 'Reset' buttons at the bottom.

10. Settings

10.1 Port Settings

Dial Peer SIP: To setup Dial Peer's port. (Default: 5060)

Build-in STUN: STDP Box represents "Stun server", so it can setup Stun Server's port in this blank. (Default: 3478)

The screenshot shows the PORTech web interface. On the left is a sidebar with a menu: Dial Peer, Network, Settings, Port Settings (highlighted), Update, System Authority, Save Change, and Reboot. The main content area is titled "Port Setting" and contains a table with two columns: "Enable" and "Port".

Enable	Port
<input checked="" type="checkbox"/> DialPeer SIP:	5060 (1024~60000)
<input checked="" type="checkbox"/> Build-in STUN:	3478 (1024~60000)

Below the table are two buttons: "Submit" and "Reset".

11. Update

You can update the system's firmware to the new one or make the factory reset to let the system back to default setting.

11.1 Update firmware

- (1) In New Firmware function you can update new firmware via HTTP in this page. You can upgrade the firmware by the following steps:
- (2) Select the firmware code type, Risc code.
- (3) Click the "Browse" button in the right side of the File Location or you can type the correct path and the filename in File Location blank.
- (4) Select the correct file you want to download to the system then click the Update button.
- (5) Please click update/default setting after update firmware

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Update Firmware

PCB mark: STDP-V1

Method: ☒ HTTP ☐ TFTP

HTTP

Code Type: Risc

File Location: 瀏覽...

TFTP

TFTP Server: 192.168.1.250

Update Reset

11.2 Restore Default Settings

In this page: Update/ Default Settings, you could restore the factory default settings to the system. All setting will restore default setting. IP will retain original IP as usual not default IP.



12. Reboot

Reboot function you can restart the system. If you want to restart the system, you can just click the Reboot button, and then the system will automatically.

