

MV-370S/MV-372S

1/2 Ports SMS Gateway

User Manual



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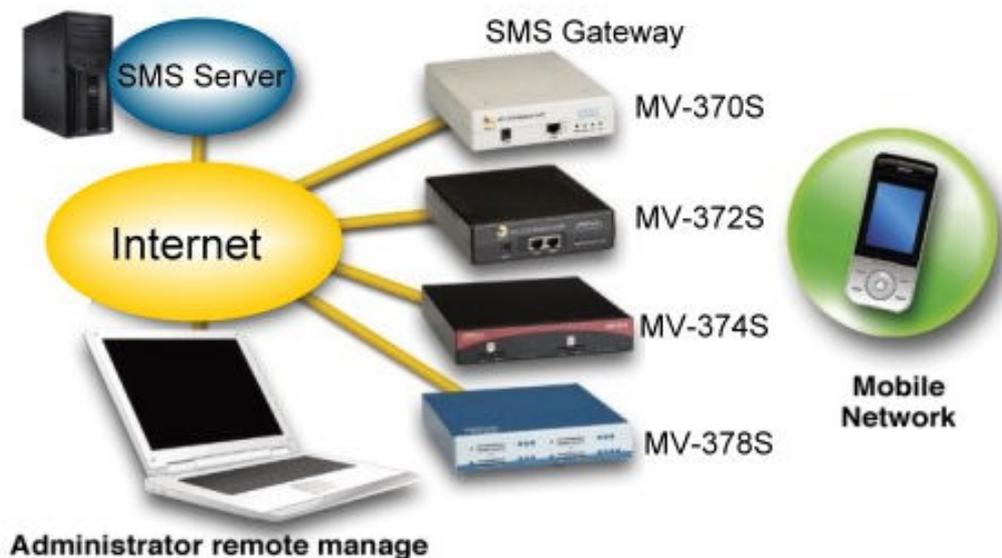
1 Introduction

MV-370S/MV-372S is a 1/2 channels SMS Gateway that enables you to send and receive SMS over GSM networks from your PC through the internet. An easy-to-use web interface. You can send SMS by User/Group/Phonebook

Option: SMS Server:

Major Function

- 1.Send Bulk SMS
- 2.Send SMS by number,user,group
- 3.set the prefix of sim,total sms/sending time
- 4.Address book upload/export
- 5.set Schedule messages
- 6.SMS to email/ SMS to mobile
- 7.CDR
- 8.Support to work with muliti sms gateway
- 9.sms report
- 10.USSD balance check and recharge



2 Parts list

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

2.1 「MV-370S/MV-372S」 main body

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

2.3 Network cable

2.4 Antenna

2.5 User Manual



(2.1) MV-370S



(2.1) MV-372S



(2.2)



(2.3)



(2.4)

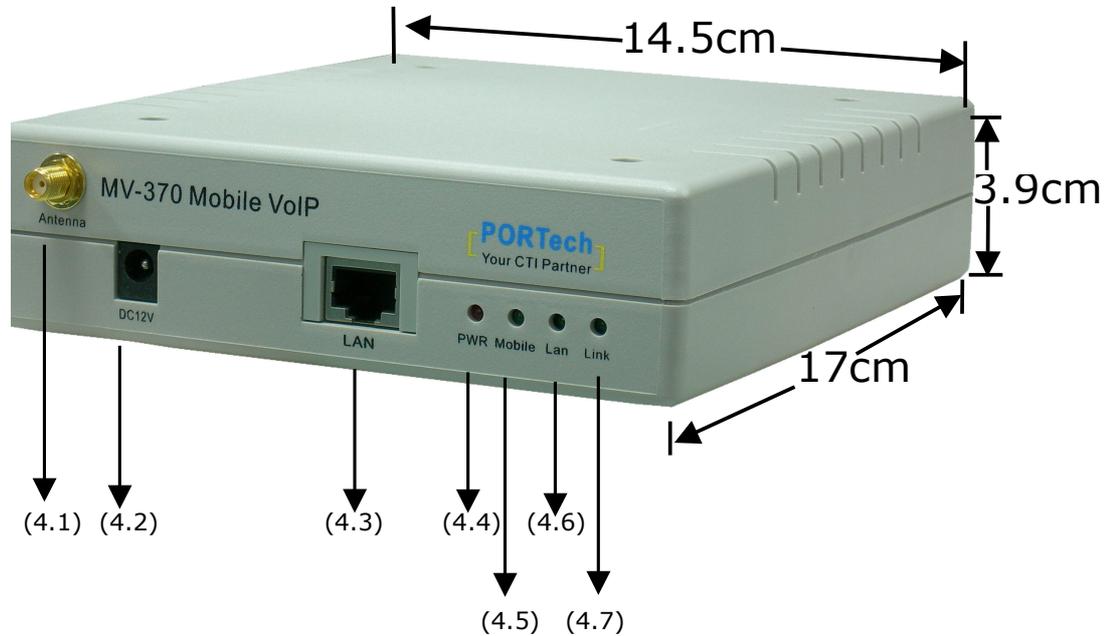
User Manual

(2.5)

3 Dimension: 14.5cm x 17cm x 3.9cm



4 MV-370S Panel description



4.1 Antenna : Antenna connector.

4.2 DC 12V : Power socket.

4.3 LAN: Standard RJ-45 socket, connecting to Hub circuit.

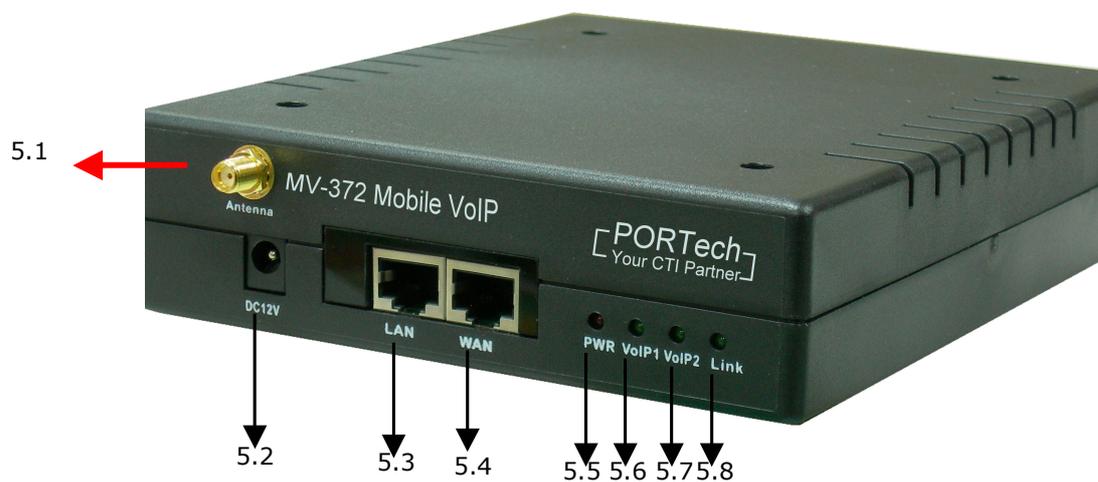
4.4 PWR: Power indicator light, red light. Light is on when system's power supply is normal.

4.5 Mobile: GSM indicator light, green light. Light flashes when GSM status is normal; light turns on constantly when GSM is called.

4.6 Lan: Lan indicator light, green light. Light flashes when Lan is called; light turns off when GSM answered.

4.7 Link: Link indicator light, green light. Light is on when network is connected correctly.

5 MV-372S Panel description



5.1 Antenna : Antenna connector.

5.2 DC 12V : Power input.

5.3 LAN : LAN port. It also can be DHCP Server.

5.4 WAN: RJ-45 internet connector , standard RJ-45 socket , connect to HUB.

5.5 PWR (Power LED) : Light up when power is normal.

5.6 VoIP1 : an indicator light of VoIP1

5.7 VoIP2 : an indicator light of VoIP2

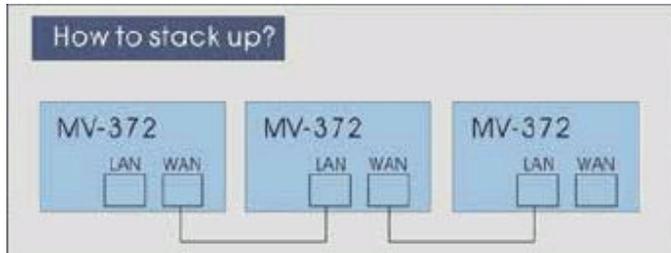
} When used as a VoIP GSM Gateway

5.8 Link Indicator : Light up when network is connected.

6 CABLING

6.1 Connect the internet cable from HUB to the 'WAN' connector of the MV-372S.

*If you need to stack up more MV-372S, you can stack up as follows.

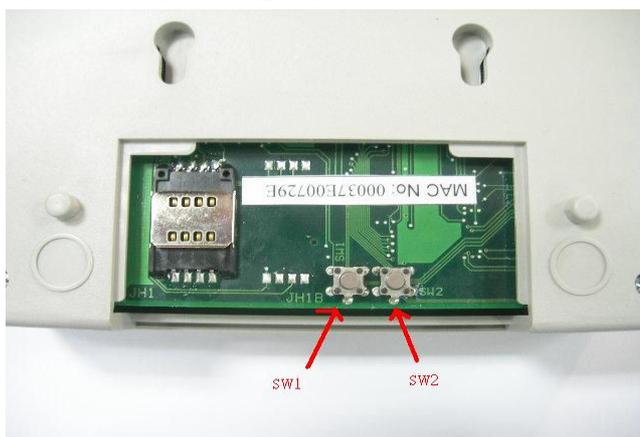


6.2 Connect the antenna and put it in proper position to get the best signal reception.

6.3 Insert the SIM card from back of the main body. (Take the slide off first).

6.4 MV-370S/MV-372S support manual switch IP MODE to DHCP and manual restore to original firmware for update failure.

There are SW1 and SW2 button shows as follow diagram:



6.4.1 SW1 function: Restore the factory default IP 192.168.0.100

STEP: Please press the SW1 in 7~8 seconds till the Mobile and LAN LED flash blink.

6.4.2 SW2 function: Switch MV-37X IP to DHCP MODE

STEP: Please press the SW2 about 7~8 seconds till the Mobile and LAN LED flash blink.

6.4.3 SW1 + SW2 function: Manual restore and restart MV to original firmware for update failure.

STEP: Please remove the MV power cable first.

Then press the SW1 and SW2 in 4~5 seconds till the Mobile and LAN LED flash blink. At same time, please plug in the power DC 12V . Then the device will reboot auto. Please login to 192.168.0.100 for firmware update procedure.

6.5 Connect the power adaptor. The 'POWER' LED should be light up.

7 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=sms, password=gateway). The page follows when the username and password are correct.

8 System Information



- Mobile
- SMS**
- Network
- Update
- System Authority
- Save Changes
- Reboot

SMS Gateway2 v10.206.7, MVS(16m)

| | |
|---------------------|---|
| Model Type: | MV-372S |
| Module Description: | GSM:850/900/1800/1900MHz (M10) |
| Firmware Version: | Wed Nov 21 16:12:51 2012. |
| 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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- 8.1 When you login the web page, you can see the demo system current system information like firmware version, company... etc in this page.
- 8.2 Also you can see the function lists in the left side. You can use mouse to click the function you want to set up.

9 Mobile

9.1 Mobile Status

(1)Operator : The SIM card of telecom carrier is been registered

(2)SIM Card ID : SIM card ID.

(3)Signal Quality : Signal quality.

(4)Registration State:

0,0 --->**Not registered, ME is currently not searching for new operator** There is a technical problem. User intervention is required. Yet, emergency calls can be made if any network is available. Probable causes:

- no SIM card available • no PIN entered
- no valid Home PLMN entry found on the SIM

0,1 --->**Registered to home network**

0,2 --->**Not registered, but ME is currently searching for a new operator** The ME searches for an available network. Failure to log in until after more than a minute may be due to one of the following reasons:

- No network available or insufficient Rx level.
- The ME has no access rights to the networks available.
- Networks from the SIM list of allowed networks are around, but login fails due to one of the following reasons:
 - #11 ... PLMN not allowed
 - #12 ... Location area not allowed
 - #13 ... Roaming not allowed in this location area After this, the search will be resumed (if automatic network search is enabled).

0,3 --->**Registration denied**

0,4 --->**Unknown (not used)**

0,5 --->**Registered, roaming**

*ME: Mobile Equipment Phonebook

(5)GSM S/N : IMEI Number

(6)Motion State: The status of SIM card

9.2 Mobile Setting

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Mobile

- Status
- Settings
- SIM Setting
- Operator Setting
- Cell Info
- USSD
- SMS**
- Network**
- Update**
- System Authority
- Save Changes
- Reboot

Mobile Setting

Mobile 1 ON OFF

Mobile PIN Code: On Code: Confirmed:

Init AT Cmd

Mobile 2 ON OFF

Mobile PIN Code: On Code: Confirmed:

Init AT Cmd

- (1) ON/Off: If you use this channel, please click on. Otherwise, please click off.
- (2) Mobile PIN Code: If you need to unlock pin code via MV-370S/MV-372S, you can click "On" and enter pin code.
- (3) Init AT Cmd: User can fill the AT Command for GSM module

9.3 Mobile Operator Setting

Mobile

- Status
- Settings
- SIM Setting
- Operator Setting
- Cell Info
- USSD

SMS

Network

Update

- System Authority
- Save Changes
- Reboot

Operator Setting

Mobile 1:

Operator ID

Work Mode Every time reset module Manual

Mobile 2:

Operator ID

Work Mode Every time reset module Manual

1. Operator ID: When GSM module is registered, user can click the List to show all available operators in that area. You will see like follows diagram.

Operator List

Mobile 1

| No | Status | Name | ID | Use |
|----|--------|------|----|-----------------------|
| 00 | | | | <input type="radio"/> |
| 01 | | | | <input type="radio"/> |
| 02 | | | | <input type="radio"/> |
| 03 | | | | <input type="radio"/> |
| 04 | | | | <input type="radio"/> |
| 05 | | | | <input type="radio"/> |
| 06 | | | | <input type="radio"/> |
| 07 | | | | <input type="radio"/> |

2. Work Mode:

a. Every time reset module:

Fill the assigned Operator ID, then press Submit bottom and save change. After reboot, GSM module will research the operator ID and registered the base station.

b. Manual:

Fill the assigned Operator ID, then press Now bottom. GSM module will search that Operator ID and registered after reboot.

9.4 Mobile Cell Info

Cell Info

Mobile 1 ▾

| select | MCC | LAC | Cell | BSIC | BCCH | RxLev |
|--------|-----|------|------|------|------|-------|
| 0 | | 0000 | 0000 | 0 | 0 | 0 |
| 1 | | 0000 | 0000 | 0 | 0 | 0 |
| 2 | | 0000 | 0000 | 0 | 0 | 0 |
| 3 | | 0000 | 0000 | 0 | 0 | 0 |
| 4 | | 0000 | 0000 | 0 | 0 | 0 |
| 5 | | 0000 | 0000 | 0 | 0 | 0 |
| 6 | | 0000 | 0000 | 0 | 0 | 0 |

Refresh

| | LAC | Cell ID | BCCH |
|--|------|---------|------|
| <input type="checkbox"/> Preferred this Cell | 0000 | 0000 | 0 |

Submit Reset

It shows BTS (BCCH) cells of the cellular network and register to new BCCH selection. Support Quad band-BG2W, Quad band-M10 and firmware V10.185 above only. *Model no, please view P.5 System Information)

Please work with this feature when the mobile status is "Stand by/Active". It detects the surrounding active cell, up to 7 cells and shows Cell ID, signal and best signal (RXlev). The No.0 shows the data of current registered cell. Follow by No.1 to No.6 cell is based on cell signal (best to low).

MCC : Mobile Country Code
 LAC : Location Area Code
 Cell : Cell Identifier
 BSIC: Base Station Identity Code
 BCCH: Broadcast Control Channel
 RxLev: Received Signal level in dbm

How to Configure

1. You can choose a BCCH channel by clicking on the cell. The module will automatically register in the new BCCH.

E.g. If you would like to register BCCH channel on No.4 cell, please click no4 select like below.



Cell Info

Mobile 1 ▾

| select | MCC | LAC | Cell | BSIC | BCCH | RxLev |
|--------|-------|------|------|------|------|-------|
| 0 | 46601 | 0871 | 546F | 20 | 629 | -76 |
| 1 | 46601 | 0871 | 0000 | 20 | 661 | -78 |
| 2 | 46601 | 0871 | 5470 | 21 | 640 | -79 |
| 3 | 46601 | 0871 | 0000 | 23 | 513 | -84 |
| 4 | 46601 | 0853 | 70AD | 61 | 626 | -89 |
| 5 | 46601 | 0853 | 70AE | 61 | 532 | -90 |
| 6 | 46601 | 0871 | 5278 | 46 | 649 | -92 |

Refresh

- System will show the cell number information once you select on Preferred this Cell form. Please click the submit button and Save Change on left to restart the module.

| select | MCC | LAC | Cell | BSIC | BCCH | RxLev |
|--------|-------|------|------|------|------|-------|
| 0 | 46601 | 0871 | 546F | 20 | 629 | -76 |
| 1 | 46601 | 0871 | 0000 | 20 | 661 | -78 |
| 2 | 46601 | 0871 | 5470 | 21 | 640 | -79 |
| 3 | 46601 | 0871 | 0000 | 23 | 513 | -84 |
| 4 | 46601 | 0853 | 70AD | 61 | 626 | -89 |
| 5 | 46601 | 0853 | 70AE | 61 | 532 | -90 |
| 6 | 46601 | 0871 | 5278 | 46 | 649 | -92 |

Refresh

| | LAC | Cell ID | BCCH |
|---|------|---------|------|
| <input checked="" type="checkbox"/> Preferred this Cell | 0853 | 70AD | 626 |

Submit Reset

After system restart and turn to Standby, please check on No.0 cell and confirm the current registered cell you selected. At the point, the Gateway won't provide the data of surrounding cell signal, but shows -110dbm on No.1 to No.6 RxLev, which means GSM signal 0.

| select | MCC | LAC | Cell | BSIC | BCCH | RxLev |
|--------|-------|------|------|------|------|-------|
| 0 | 46601 | 0853 | 70AD | 61 | 626 | -88 |
| 1 | 46601 | 0871 | 546F | 20 | 629 | -110 |
| 2 | 46601 | 0871 | 546E | 20 | 661 | -110 |
| 3 | 46601 | 0871 | 0000 | 23 | 513 | -110 |
| 4 | 46601 | 0853 | 0000 | 61 | 532 | -110 |
| 5 | 46601 | 0853 | 0000 | 23 | 656 | -110 |
| 6 | 46601 | 0871 | 0000 | 27 | 667 | -110 |

Refresh

- If you would like to research all the surrounding BCCH cells again, please cancel Preferred this Cell selection first and send Submit, Save Change to restart the gateway. That, System can detect the surrounding active cell, up to 6 cells and display Cell ID, signal and best signal (RXlev).

| select | MCC | LAC | Cell | BSIC | BCCH | RxLev |
|--------|-------|------|------|------|------|-------|
| 0 | 46601 | 0871 | 546E | 20 | 661 | -76 |
| 1 | 46601 | 0871 | 546F | 20 | 629 | -77 |
| 2 | 46601 | 0871 | 5470 | 21 | 640 | -79 |
| 3 | 46601 | 0871 | 0000 | 23 | 513 | -83 |
| 4 | 46601 | 0853 | 70AE | 61 | 532 | -90 |
| 5 | 46601 | 0853 | 70AD | 61 | 626 | -89 |
| 6 | 46601 | 0871 | 5278 | 46 | 649 | -92 |

Refresh

9.5 Mobile USSD

You can check USSD screen for SIM balance remaining and SIM recharge (add value) automatically. Please work with this feature when the mobile status is "Stand by/Active". And ensure your Service provider has given you a USSD string(Command) for checking SIM Balance and Recharge the SIM Card.

PORTech
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- Mobile
 - Status
 - Settings
 - SIM Setting
 - Operator Setting
 - Cell Info
 - USSD
- SMS
- Network
- Update
 - System Authority
 - Save Changes
 - Reboot

USSD Service

Mobile 1 ▾

Rx Decoder: none ▾

Balance

Cmd 1:

Not Ready !!!

Recharge

Cmd 2:

Not Ready !!!

Checking

Cmd 3:

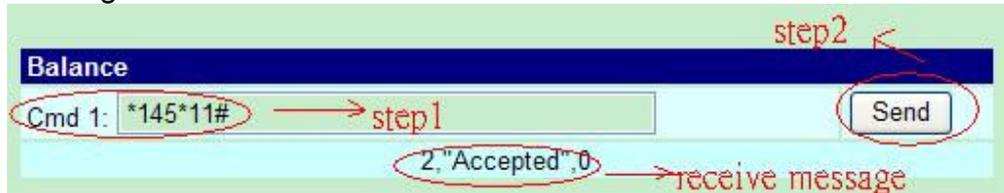
Not Ready !!!

1. Balance (SIM balance remaining)

Step1: Enter Balance checking USSD command in column

Step 2: Click Send button

When selected, system will check the balance of SIM and display the reply of receive message as below

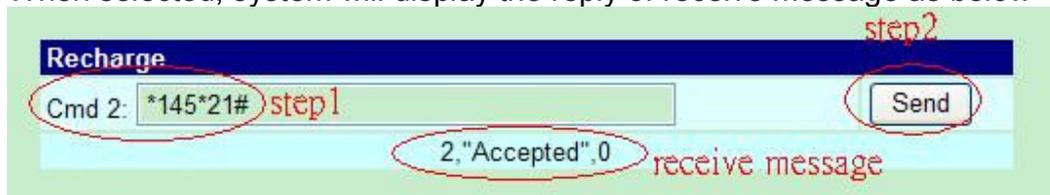


2. Recharge (add value)

Step1: Enter the Recharging USSD command in column

Step 2: Click Send button

When selected, system will display the reply of receive message as below



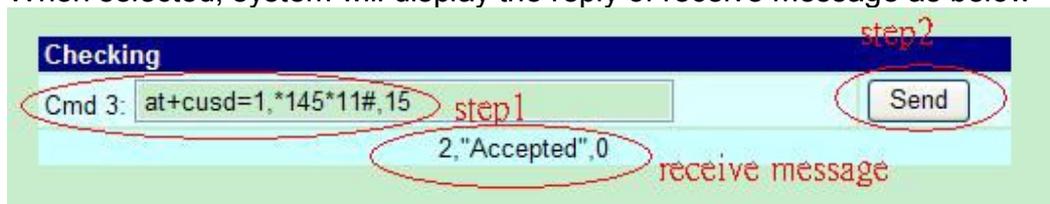
3. Checking (If above ways are failed, please select this)

Step 1: Enter the complete AT command in Cm3 column

Ex. AT+CUSD=1,*145*11#,15

Step 2: Click Send button

When selected, system will display the reply of receive message as below



4. Rx Decoder

Rx Decoder: none

Balance

Cmd 1: *123*11# Send

Recharge

Cmd 2: *145*11# Send

C1F1B80CA797C9

Checking

Cmd 3: at+cusd=1,"*145*11#",15 Send

Submit Reset

- a. None: GSM Format (Default)
- b. ASC7: ASCII 7bit
- c. UCS2: Unicode 16bit

When user select default GSM Format(None), it may not receive correct GSM code due to the different operator or GSM module/chipset. Please check below example,

Rx Decoder: none

Balance

Cmd 1: *123*11# Send

Recharge

Cmd 2: *145*11# Send

C1F1B80CA797C9

Checking

Cmd 3: at+cusd=1,\"*145*11#\",15 Send

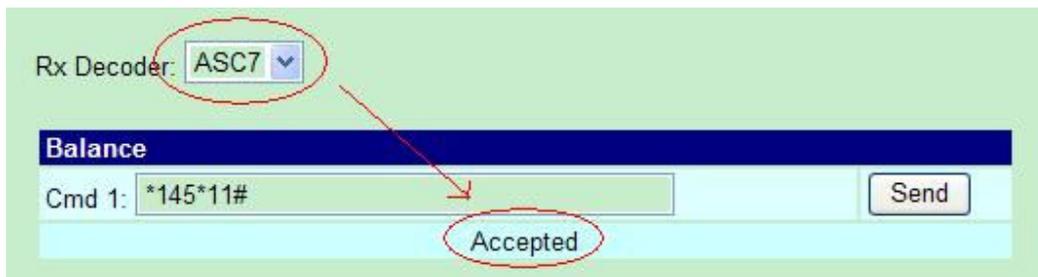
In this case, user need to select other RX Decoder (ASCII or UCS2) to receive correct message.

For Example,

None format: When user send command, “*145*11#”, the return message show on system, “C1F1B80CA797C9”



ASC7 Format: In this format, the return message is “Accepted”



10 SMS

10.1 SMS Log Server

The screenshot shows the 'SMS Log Server' web interface. On the left is a sidebar with the 'PORTech' logo and a navigation menu. The main content area has a title 'SMS Log Server' and three input fields for 'URL', 'Username', and 'Password'. Below these fields are 'Submit' and 'Reset' buttons.

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Mobile

- SMS**
- SMS Log Server
- SMS Contact
- SMS Group
- SMS Inbox
- SMS Outbox
- SMS Sent By Number
- SMS Sent By Contact
- SMS Sent By Group
- SMS Import

Network

Update

- System Authority
- Save Changes
- Reboot

SMS Log Server

URL:

Username:

Password:

Submit Reset

10.1.1 Definition

SMS log server is FTP server.

URL : SMS log sever URL.

Size of URL is 128-byte, not 128-word. In UTF8 format, size of a word is usually 1~3 byte.

Username : User name to login the SMS log server.

Size of Username is 64-byte, not 64-word. In UTF8 format, size of a word is usually 1~3 byte.

Password : Password to login the SMS log server.

Size of Password is 64-byte, not 64-word. In UTF8 format, size of a word is usually 1~3 byte.

10.2 SMS Contact



SMS Contact

Page 1

| Select | Item | Name | Phone Number |
|--------------------------|------|-------|--------------|
| <input type="checkbox"/> | 1 | user1 | 1 |
| <input type="checkbox"/> | 2 | user2 | 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 | | |

| Item | Name | Phone Number |
|--------------------------|----------------------|----------------------|
| <input type="checkbox"/> | <input type="text"/> | <input type="text"/> |

Group

| group1 | group2 | | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |
| <input type="checkbox"/> |

You have to **save** and **reboot (Save Changes)** the system to effect those changes.

10.2.1 Definition

The upper half page is the display area. The lower half page is the editing area.

There are 200 SMS contacts in MV-370S/MV-372S.

Name : SMS contact name.

Size of Name is 50-byte, not 50-word. In UTF8 format, size of a word is usually 1~3 byte.

Phone Number : SMS contact phone number.

Size of Phone Number is 50-byte, not 50-word. In UTF8 format, size of a word is usually 1~3 byte.

10.2.2 Add SMS Contact

In the editing area, input the contact name and contact phone number in Name and Phone Number field respectively, choice SMS groups that the contact belong to.

Click Add button to add the SMS contact, and the new SMS contact is shown in the display area.

10.2.3 Edit SMS Contact

In the display area, change Page Number to choice a SMS contact to be edited, click Edit Selected button, and the selected SMS contact is shown in the edit area.

Edit the SMS contact as the chapter Add SMS contact, click Add button to change the SMS contact, and the modified SMS contact is shown in the display area.

10.2.4 Clear Selected SMS Contacts

In the display area, change Page Number to choice SMS contacts to be cleared, and click Clear Selected button to clear selected SMS contacts.

10.2.5 Clear All SMS Contacts

In the display area, click Clear All button to clear all SMS contacts.

10.3 SMS Group



Mobile

SMS

- SMS Log Server
- SMS Contact
- SMS Group
- SMS Inbox
- SMS Outbox
- SMS Sent By Number
- SMS Sent By Contact
- SMS Sent By Group
- SMS Import

Network

Update

- System Authority
- Save Changes
- Reboot

SMS Group

Page 1

| Select | Item | Group Name | Group Member |
|--------------------------|------|------------|--------------|
| <input type="checkbox"/> | 1 | group1 | user1 |
| <input type="checkbox"/> | 2 | group2 | user2 |
| <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 | | |

Item
Group Name

Contact

Page 1

| | |
|----------------------------------|----------------------------------|
| <input type="checkbox"/> 1 user1 | <input type="checkbox"/> 2 user2 |
| <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"/> 11 | <input type="checkbox"/> 12 |
| <input type="checkbox"/> 13 | <input type="checkbox"/> 14 |
| <input type="checkbox"/> 15 | <input type="checkbox"/> 16 |
| <input type="checkbox"/> 17 | <input type="checkbox"/> 18 |
| <input type="checkbox"/> 19 | <input type="checkbox"/> 20 |

Selected Contacts

You have to **save** and **reboot (Save Changes)** the system to effect those changes.

10.3.1 Definition

The upper half page is the display area. The lower half page is the editing area.
There are 64 SMS groups in MV370/2S.

Group Name : SMS group name.

Size of Group Name is 10-byte, not 10-word. In UTF8 format, size of a word is usually 1~3 byte.

Group Member and Selected Contacts : SMS group member.

10.3.2 Add SMS Group

In the editing area, input the group name in Group Name field, change Page Number to choice SMS contacts as group members.

Click Add Contacts button to check group members in Selected Contacts field.

Click Add button to add the SMS group, and the new SMS group is shown in the display area.

10.3.3 Edit SMS Group

In the display area, change Page Number to choice a SMS group to be edited, click Edit Selected button, and the selected SMS group is shown in the editing area.

Edit the SMS group as the chapter Add SMS Group, click Add button to change the SMS group, and the modified SMS group is shown in the display area.

10.3.4 Clear Selected SMS Groups

In the display area, change Page Number to choice SMS groups to be cleared, and click Clear Selected button to clear selected SMS groups.

10.3.5 Clear All SMS Groups

In the display area, click Clear All button to clear all SMS groups.

10.4 SMS Inbox

The screenshot shows a web application interface for managing SMS messages. On the left is a sidebar menu with the following items:

- Mobile
- SMS
 - SMS Log Server
 - SMS Contact
 - SMS Group
 - SMS Inbox
 - SMS Outbox
 - SMS Sent By Number
 - SMS Sent By Contact
 - SMS Sent By Group
 - SMS Import
- Network
- Update
 - System Authority
 - Save Changes
 - Reboot

The main content area is titled "SMS Inbox". It features a "Mobile 1" dropdown menu and a "Page 1" dropdown menu. Below these is a table with the following columns: "Select", "Item", "From", "SMS", "Date", and "Time". The table contains 10 rows, each with a checkbox in the "Select" column and an "Item" number from 1 to 10. The "From", "SMS", "Date", and "Time" columns are currently empty. At the bottom of the table are three buttons: "Clear Selected", "Reset", and "Clear All".

10.4.1 Definition

From : The phone number which the SMS was received from.

SMS : The text received in the SMS.

Date : The day that the SMS was received.

Time : The time that the SMS was received.

10.4.2 Browse Inbox SMS

Change Mobile Number and Page Number to browse SMSs received.

10.4.3 Clear Selected Inbox SMS

Change Mobile Number and Page Number to choice SMSs to be cleared, and click Clear Selected button to clear selected SMSs.

10.4.4 Clear All Inbox SMS

Click Clear All button to clear all SMSs received.

10.5 SMS Outbox

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Mobile

SMS

- SMS Log Server
- SMS Contact
- SMS Group
- SMS Inbox
- SMS Outbox
- SMS Sent By Number
- SMS Sent By Contact
- SMS Sent By Group
- SMS Import

Network

Update

- System Authority
- Save Changes
- Reboot

SMS Outbox

Page 1

| Select | Item | Mobile | To | SMS | Date | Time |
|--------------------------|------|--------|----|-----|------|------|
| <input type="checkbox"/> | 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 | | | | | |

Clear Selected Reset Clear All

10.5.1 Definition

Mobile : The mobile modem that SMS was sent to.

To : The phone number that the SMS was sent to.

SMS : The text sent in the SMS.

Date : The day that the SMS was sent.

Time : The time that the SMS was sent.

10.5.2 Browse Outbox SMS

Change Page Number to browse SMSs sent.

10.5.3 Clear Selected Outbox SMS

Change Page Number to choice SMSs to be cleared, and click Clear Selected button to clear selected SMSs.

10.5.4 Clear All Outbox SMS

Click Clear All button to clear all SMSs sent.

10.6 SMS Sent By Number

The screenshot shows a web interface for sending SMS by number. On the left is a sidebar with the logo 'PORTech Your CTI Partner' and a menu with categories: Mobile, SMS, Network, and Update. The main content area is titled 'SMS Sent By Number'. It features a form with the following elements: 'Encoding Type' with radio buttons for 'ASCII (7 Bits)' and 'Unicode'; a 'Modem' dropdown menu currently set to 'Any'; a large text area labeled 'SMS'; another large text area labeled 'Phone Number'; and two buttons at the bottom, 'Send' and 'Reset'.

10.6.1 Definition

Encoding Type : Encoding type that you want SMSs to be sent as.

Modem : Mobile modem from which to send SMSs.

SMS : The text sent in the SMS.

Phone Number : The phone number that the SMS was sent to.

10.6.2 Send SMS by Phone Number

Choice the encoding type of SMSs in Encoding Type field, choice a specific modem or any modem to send SMSs in Modem field, and input SMS text to be sent in SMS field.

Input phone numbers separated by a blank in Phone Number field, and click Send button to send the SMS to all phone numbers.

10.7 SMS Sent By Contact

PORTech
Your CTI Partner

Mobile

SMS

SMS Log Server
SMS Contact
SMS Group
SMS Inbox
SMS Outbox
SMS Sent By Number
SMS Sent By Contact
SMS Sent By Group
SMS Import

Network

Update

System Authority
Save Changes
Reboot

SMS Sent By Contact

Encoding Type ASCII (7 Bits) Unicode Modem

SMS

Contact

Page 1

| | | | | | |
|-------------------------------------|----|-------|-------------------------------------|----|-------|
| <input checked="" type="checkbox"/> | 1 | user1 | <input checked="" type="checkbox"/> | 2 | user2 |
| <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"/> | 11 | | <input type="checkbox"/> | 12 | |
| <input type="checkbox"/> | 13 | | <input type="checkbox"/> | 14 | |
| <input type="checkbox"/> | 15 | | <input type="checkbox"/> | 16 | |
| <input type="checkbox"/> | 17 | | <input type="checkbox"/> | 18 | |
| <input type="checkbox"/> | 19 | | <input type="checkbox"/> | 20 | |

Add Contacts

Selected Contacts

Send Reset

10.7.1 Definition

Encoding Type : Encoding type that you want SMSs to be sent as.

Modem : Mobile modem from which to send SMSs.

SMS : The text sent in the SMS.

Contact : SMS contact name that the SMS was sent to.

Selected Contacts : All SMS contact names that the SMS was sent to.

10.7.2 Send SMS by SMS Contacts

Choice the encoding type of SMSs in Encoding Type field, choice a specific modem or any modem to send SMSs in Modem field, and input SMS text to be sent in SMS field.

Change Page Number to choice SMS contacts to send the SMS, and click Send button to send the SMS to selected SMS contacts.

10.8 SMS Sent By Group

Mobile

SMS

- SMS Log Server
- SMS Contact
- SMS Group
- SMS Inbox
- SMS Outbox
- SMS Sent By Number
- SMS Sent By Contact
- SMS Sent By Group
- SMS Import

Network

Update

- System Authority
- Save Changes
- Reboot

SMS Sent By Group

Encoding Type: ASCII (7 Bits) Unicode

Modem: Any

SMS

| Group | | | | | | | |
|--|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> group1 | <input checked="" type="checkbox"/> group2 | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Send Reset

10.8.1 Definition

Encoding Type : Encoding type that you want SMSs to be sent as.

Modem : Mobile modem from which to send SMSs.

SMS : The text sent in the SMS.

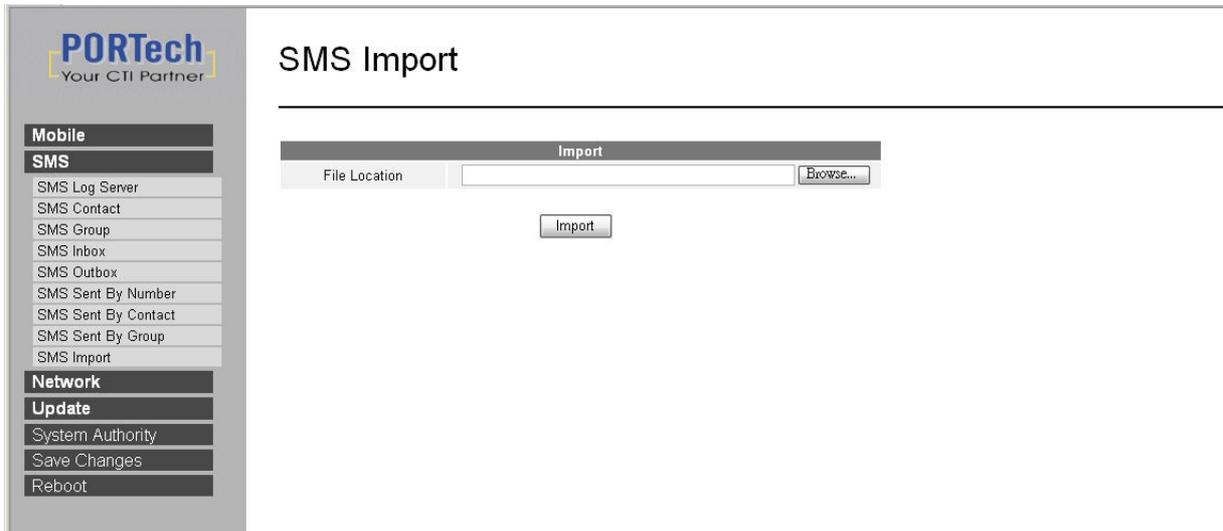
Group : SMS group name that the SMS was sent to.

10.8.2 Send SMS by SMS Groups

Choice the encoding type of SMSs in Encoding Type field, choice a specific modem or any modem to send SMSs in Modem field, and input SMS text to be sent in SMS field.

Change Page Number to choice SMS groups to send the SMS, and click Send button to send the SMS to selected SMS groups.

10.9 SMS Import



Import the SMS contact/group information by a Microsoft Excel “Unicode Text” file as below.

The screenshot shows a Microsoft Excel spreadsheet with the following data:

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|----|---|---|--------|---|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|
| 1 | 0 | 0 | user1 | 1 | 00000001 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | | | |
| 2 | 0 | 1 | user2 | 2 | 00000010 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | 00000000 | | | |
| 3 | 1 | 0 | group1 | | | | | | | | | | | | |
| 4 | 1 | 1 | group2 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | |

10.9.1 Import File Format

Column A : SMS contact/group type.

For the SMS contact, the value is 0.

For the SMS group, the value is 1.

Column B : index of the SMS contact/group.

For the SMS contact, value is 0 ~ 199.

For the SMS group, value is 0 ~ 63.

Column C : SMS contact/group name.

Size of the SMS contact name is 50-byte, not 50-word. In UTF8 format, size of a word is usually 1~3 byte.

Size of the SMS group name is 10-byte, not 10-word. In UTF8 format, size of a word is usually 1~3 byte.

Column D : SMS contact phone number.

Size of the SMS contact phone number is 50-byte, not 50-word. In UTF8 format, size of a word is usually 1~3 byte.

Column E to L : Bit mapping of SMS contact groups.

Bit value 0 is not in the SMS group.

Bit value 1 is in the SMS group.

Column E : bit mapping for the group 7 to 0.

Column F : bit mapping for the group 15 to 8.

Column G : bit mapping for the group 23 to 16.

Column H : bit mapping for the group 31 to 24.

Column I : bit mapping for the group 39 to 32.

Column J : bit mapping for the group 47 to 40.

Column K : bit mapping for the group 55 to 48.

Column L : bit mapping for the group 63 to 56.

Example :

SMS contact 0 :

The SMS contact name is "user1".

The SMS contact phone number is "1".

The SMS contact is in the SMS group 0.

SMS contact 1 :

The SMS contact name is "user2".

The SMS contact phone number is "2".

The SMS contact is in the SMS group 1.

SMS group 0 :

The SMS group name is "group1".

SMS group 1 :

The SMS group name is "group2".

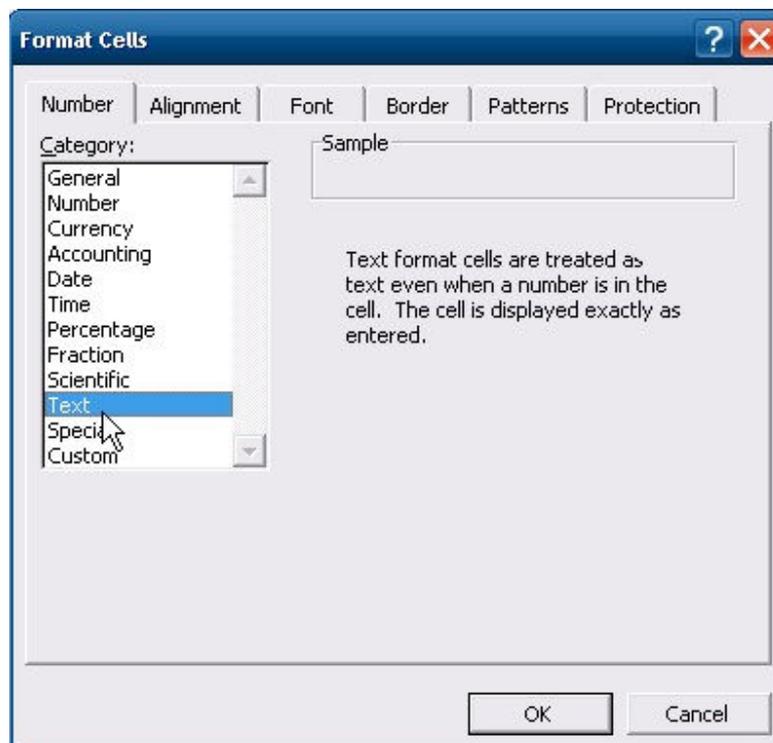
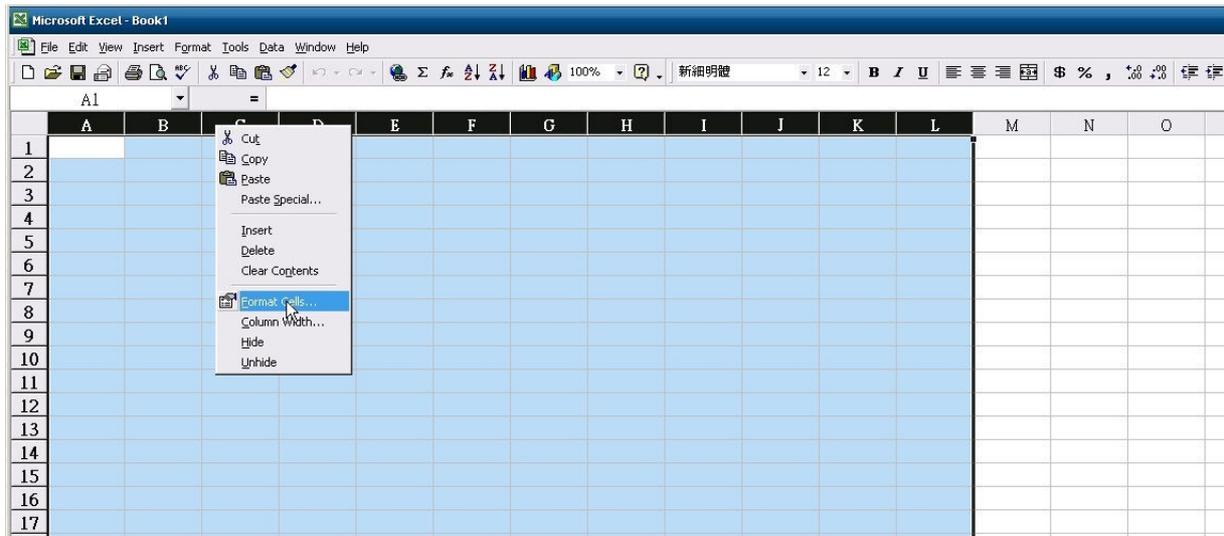
10.9.2 Microsoft Excel Editing

Step 1 : Format Cells

Select the column A to L.

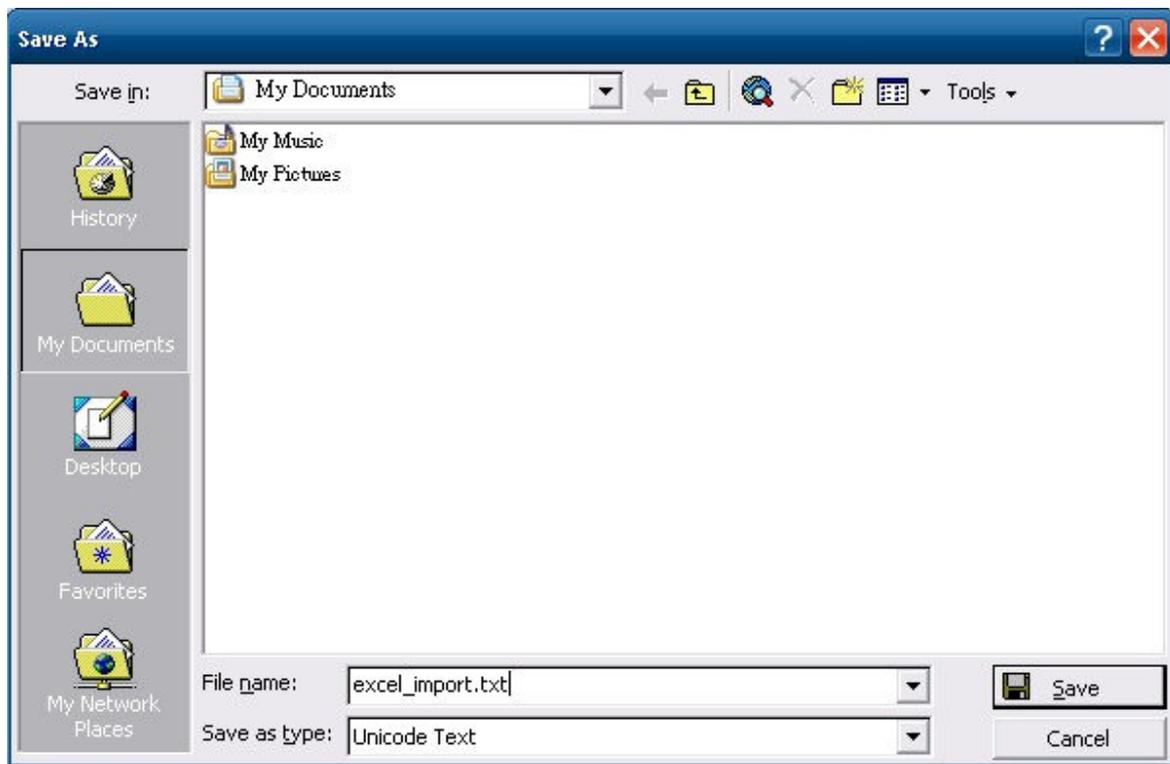
Click the mouse right key, and choice Format Cells.

In Number sub-window, choice Text, and click OK.



Step 2 : Save the file.

Save as type Unicode Text.

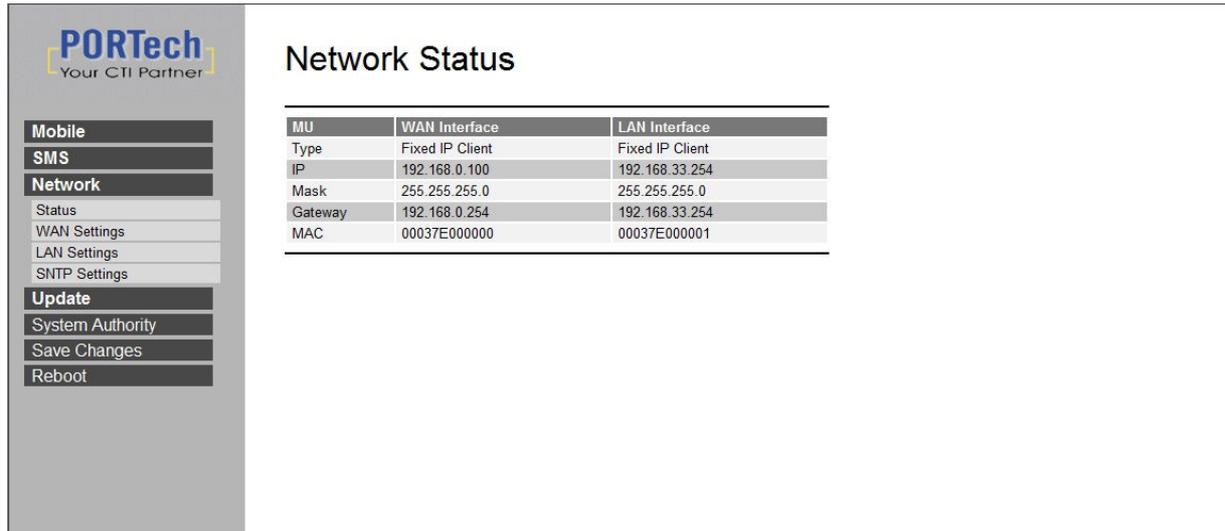


11 Network

In Network you can check the Network status, configure the WLAN Settings, LAN Setting and SNTP settings.

11.1 Network Status:

You can check the current Network setting in this page.



The screenshot displays a web interface for network configuration. On the left is a sidebar with the logo 'PORTech Your CTI Partner' and a menu with the following items: Mobile, SMS, Network (highlighted), Status, WAN Settings, LAN Settings, SNTP Settings, Update, System Authority, Save Changes, and Reboot. The main content area is titled 'Network Status' and contains a table with the following data:

| MU | WAN Interface | LAN Interface |
|---------|-----------------|-----------------|
| Type | Fixed IP Client | Fixed IP Client |
| IP | 192.168.0.100 | 192.168.33.254 |
| Mask | 255.255.255.0 | 255.255.255.0 |
| Gateway | 192.168.0.254 | 192.168.33.254 |
| MAC | 00037E000000 | 00037E000001 |

11.2 Network WAN Settings

PORTech
Your CTI Partner

Mobile
SMS
Network
Status
WAN Settings
LAN Settings
SNTP Settings
Update
System Authority
Save Changes
Reboot

WAN Settings

Network Mode: Bridge NAT

WAN Setting

IP Type: Fixed IP DHCP Client PPPoE

Master IP: 192.168.0.100

Mask: 255.255.255.0

Gateway: 192.168.0.254

DNS Server1: 168.95.192.1

DNS Server2: 168.95.1.1

MAC: 00037e000000

PPPoE Setting

User Name:

Password:

- (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) The Bridge Item is to setup the system Bridge mode Enable/Disable. If you set the Bridge On, then the two Fast Ethernet ports will be transparent.
- (4) When you finished the setting, please click the Submit button.

11.3 Network LAN Settings

PORTech
Your CTI Partner

Mobile
SMS
Network
Status
WAN Settings
LAN Settings
SNTP Settings
Update
System Authority
Save Changes
Reboot

LAN Settings

LAN Setting

IP: 192.168.33.254

Mask: 255.255.255.0

MAC: 00037e000001

DHCP Server

DHCP Server: On Off

Start IP: 150

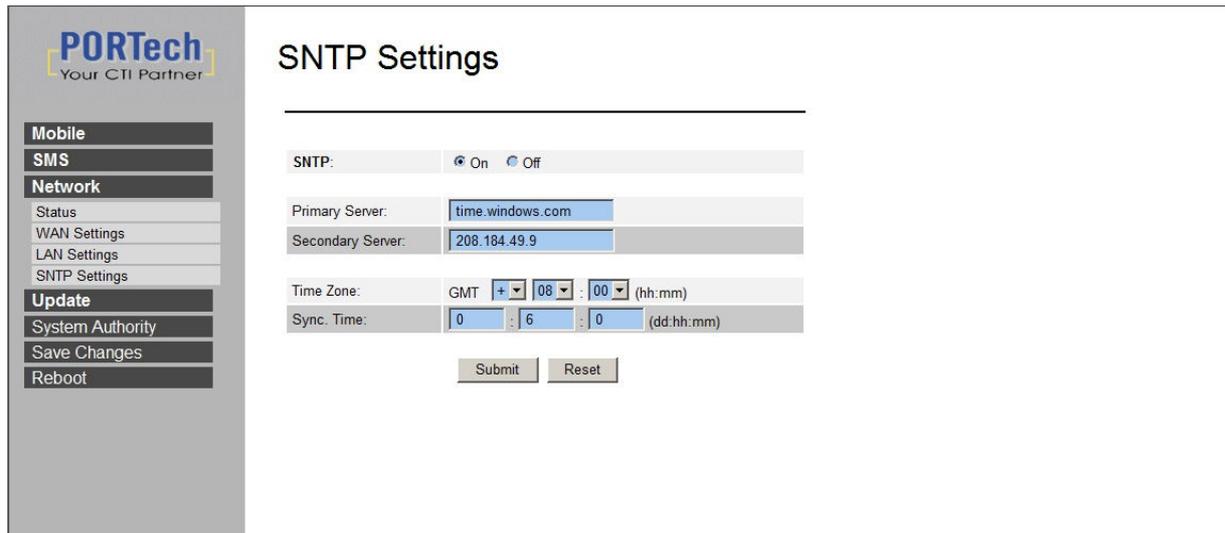
End IP: 200

Lease Time: 1 : 0 (dd:hh)

- (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)DHCP Server: You may refer to your current network environment to configure the system properly

11.4 Network 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.



PORTech
Your CTI Partner

Mobile
SMS
Network
Status
WAN Settings
LAN Settings
SNTP Settings
Update
System Authority
Save Changes
Reboot

SNTP Settings

SNTP: On Off

Primary Server:

Secondary Server:

Time Zone: GMT : (hh:mm)

Sync. Time: : : (dd:hh:mm)

12 Update

12.1 Update New Firmware

In Update you can update the system's firmware to the new one or execute the factory reset to let the system back to default setting.

PORTech
Your CTI Partner

Mobile
SMS
Network
Update
New Firmware
Default Settings
System Authority
Save Changes
Reboot

Update Firmware

Ver = v10.206.3, MVS(16m) , GZ = f4Mv,x2 , PCB = 2N149A .

HTTP

Code Type: RISC

File Location:

- (1) Select the firmware code type, Risc code only.
- (2) 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.
- (3) Select the correct file you want to download to the system then click the Update button.
- (4) Please click update/default setting after update firmware

NOTE: Please open the webpage from Internet Explorer, not compatible with FF or Google Chrome

12.2 Update 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.

The screenshot shows a web interface for 'Restore Default Settings'. On the left is a vertical sidebar with the 'PORTech Your CTI Partner' logo at the top. Below the logo are several menu items: 'Mobile', 'SMS', 'Network', 'Update', 'System Authority', 'Save Changes', and 'Reboot'. The 'Update' item is highlighted. The main content area is titled 'Restore Default Settings' and contains a single dropdown menu labeled 'Restore default settings:' with 'default' selected.

13 System Authority

In System Authority you can change your login name and password.

The screenshot shows a web interface for 'System Authority'. On the left is a vertical sidebar with the 'PORTech Your CTI Partner' logo at the top. Below the logo are several menu items: 'Mobile', 'SMS', 'Network', 'Update', 'System Authority', 'Save Changes', and 'Reboot'. The 'System Authority' item is highlighted. The main content area is titled 'System Authority' and contains three input fields: 'New username:', 'New password:', and 'Confirmed password:'. Below these fields are two buttons: 'Submit' and 'Reset'.

14 Save Changes

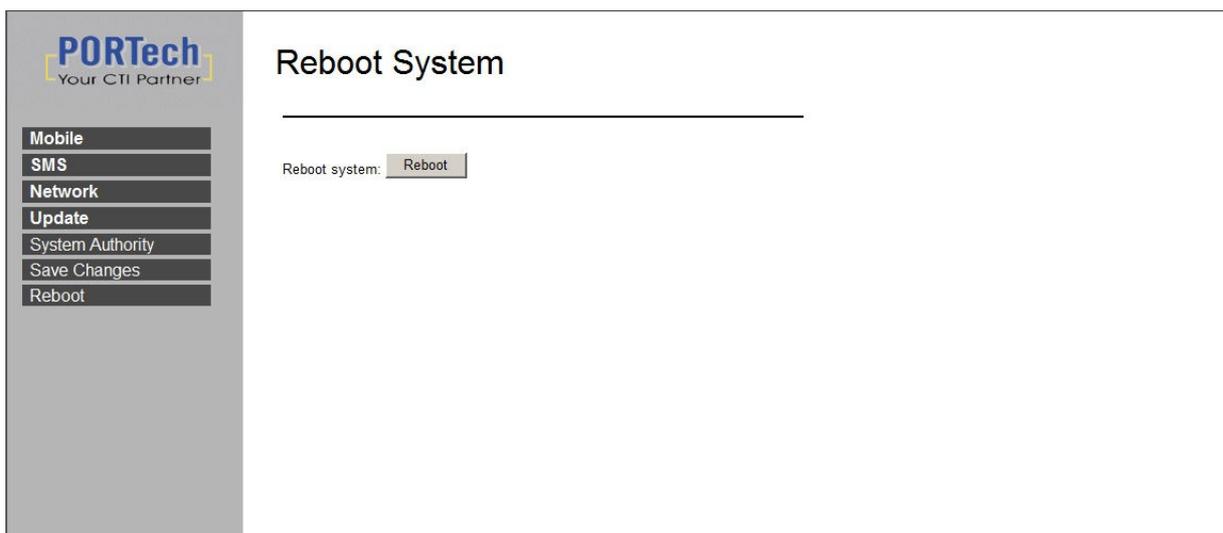
In Save Change you can save the changes you have done. If you want to use new setting in the VoIP system, you have to click the Save button. After you click the Save button, the system will automatically restart and the new setting will effect.



The screenshot shows a web interface for 'PORTech Your CTI Partner'. On the left is a vertical navigation menu with buttons for 'Mobile', 'SMS', 'Network', 'Update', 'System Authority', 'Save Changes', and 'Reboot'. The 'Save Changes' button is highlighted. The main content area is titled 'Save Changes' and contains the text 'You have to save changes to effect them.' followed by a horizontal line. Below the line, the text 'Save Changes:' is followed by a 'Save' button.

15 Reboot

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



The screenshot shows a web interface for 'PORTech Your CTI Partner'. On the left is a vertical navigation menu with buttons for 'Mobile', 'SMS', 'Network', 'Update', 'System Authority', 'Save Changes', and 'Reboot'. The 'Reboot' button is highlighted. The main content area is titled 'Reboot System' and contains a horizontal line. Below the line, the text 'Reboot system:' is followed by a 'Reboot' button.