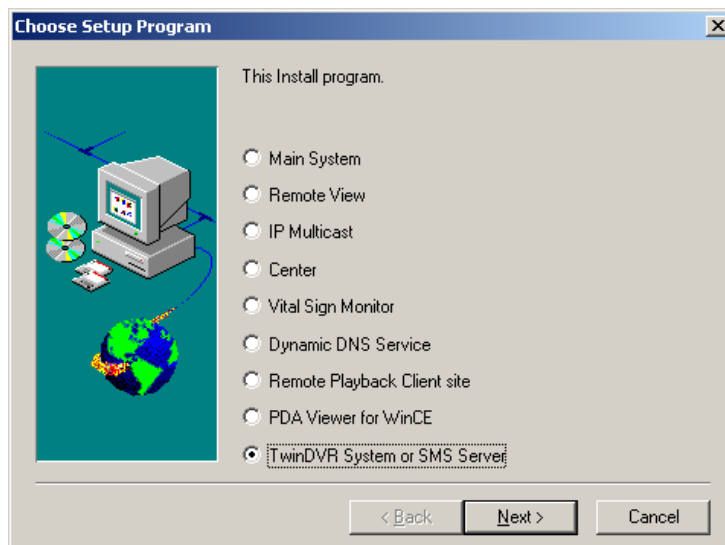


Short Message Service

Via a GSM/GPRS modem, GV-system lets you send out SMS (Short Message Service) when an alert condition happens. The modem can be installed at either a separate server, or the same computer/server equipped with GV-system. This chapter introduces how to manage a GSM/GPRS modem with the GV-developed SMS server program, and how to configure the main system to send out SMS alerts.

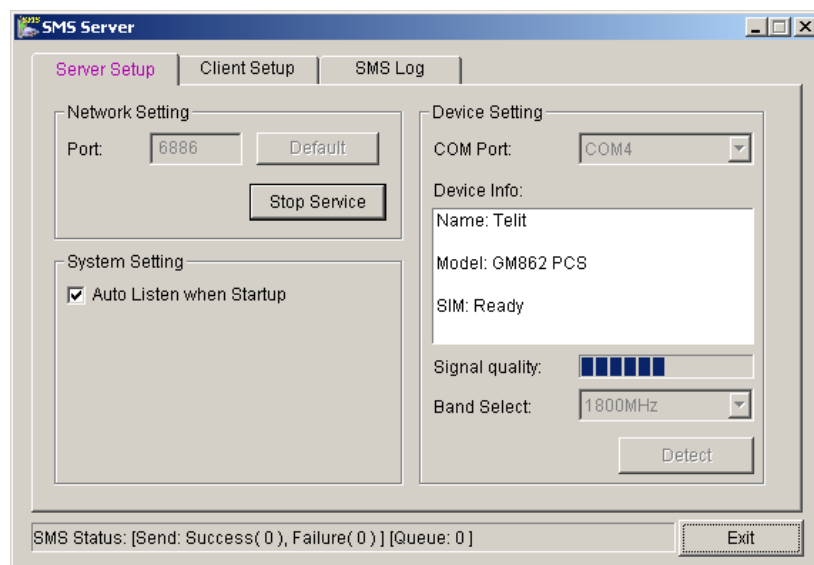
SMS Server Setup

The SMS Server application comes with the system software. Insert the software CD to the PC connected with a GSM/GPRS modem, run the Setup program and follow the instructions.



Starting SMS Server

After the installation is completed, start the application from the Start menu. This brings up the following window:



1. In the Device Setting section, select COM Port that a GSM/GPRS modem is connected to.
2. Click the Detect button to detect the modem.
If the connection between the modem and the computer is established, the following message will show on the Device Info field: *Name: (Manufacturer), Module: xxx, SIM Ready*.
If the connection fails, the display will be shown as: *No usable device in COM xxx*.
3. If you are using a tri-band modem, select 1900 or 1800 MHz from the drop-down list of Band Select.
4. In the Network Setting section, assign the Port of the computer, or leave it as default.
5. Click the Start Listen button to start the modem.
6. If you want to automatically run the SMS server when launching the program, click Auto Listen when Startup.

Other controls in the SMS Server window:

In the lower part of the window, you can see the message, for example, *SMS Status: [Send: Success(8), Failure(16)] [Queue: 25]*, indicating that 8 messages have been sent out, 16 messages failed, and 25 messages are waiting for delivery.

Password Security

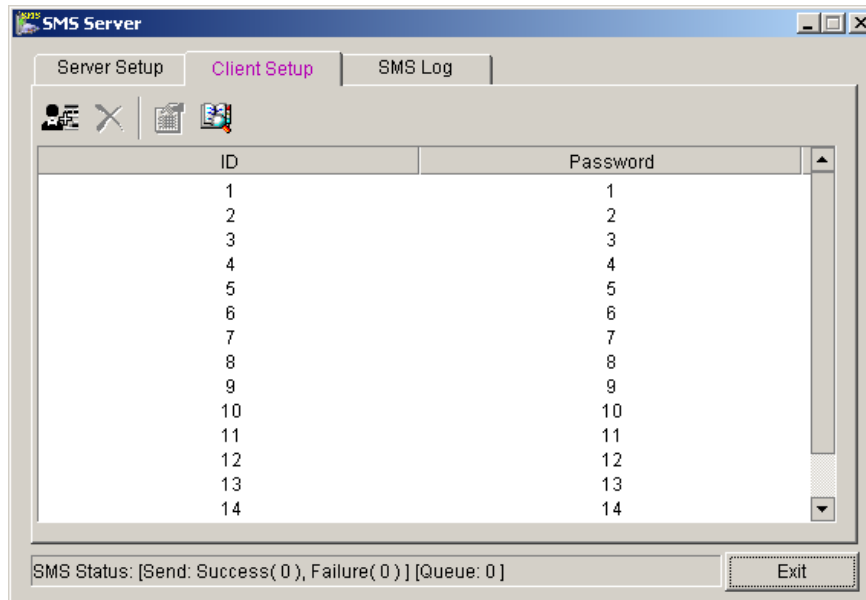
To prevent unauthorized users from changing your settings, set up an administrator password. The following shows you how to apply the password security.


1. Click the Exit button in the lower-right corner, and then select Change Password to set a password.
2. Click the Exit button and select Logout Administrator to lock the SMS Server window.
3. When you want to log in, click the Exit button and select Login as Administrator to enter a valid password.

Creating a Client Account

The SMS server can serve up to 500 clients at one time. To register a user ID and password on the server for a client, follow the steps below.

1. Click the Client Setup tab in the upper part to display the following window.

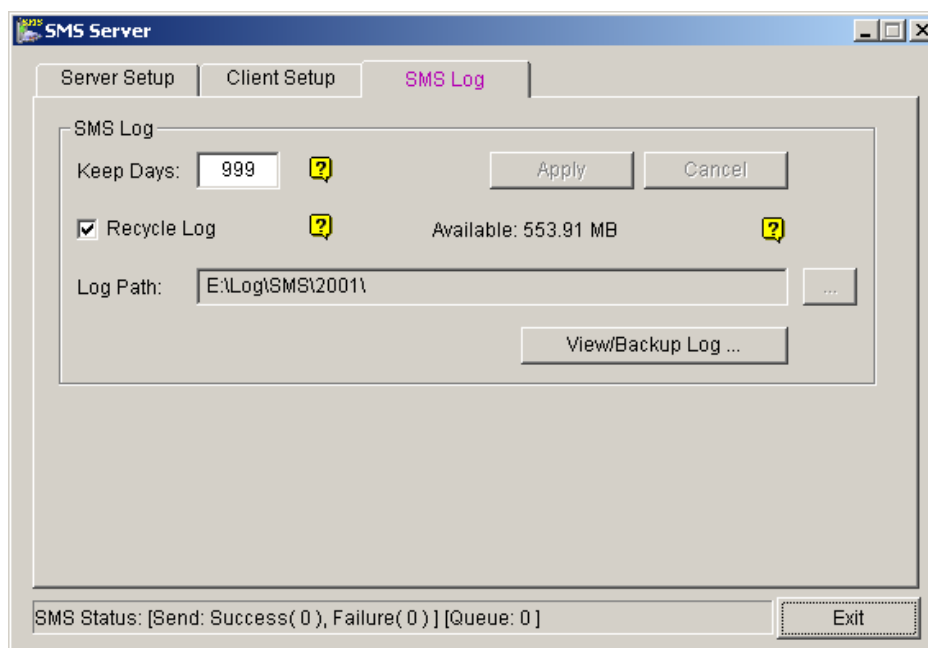


2. Click  on the toolbar to register a user ID and Password.
3. Click the Save button, and then the client account is created.

Configuring SMS Log

To configure the event log of the SMS server, follow the steps below.

1. Click the SMS Log tab in the upper part to display the following window.



- **Keep Days:** Specify the days of event log kept in the HDD from 1 to 999 days. Click the Apply button on the right side of the item to apply the setting, or click the Cancel button to cancel the setting.
- **Recycle Log:** Allow the program to delete the files of the oldest day when storage space is lower than 500MB.
- **The Log Path button:** Click the button next to the Log Path field to assign a storage path.
- **The View Backup Log button:** Click the button to view and locate previous files.

Connecting GV-system to SMS Server

To connect GV-system to the SMS server, follow the steps below.

1. Click the Configure button on the menu bar, and then select System Configure to display the System Configure window.
2. In the Send Alerts Approach section, click the right arrow button of to display the following window.

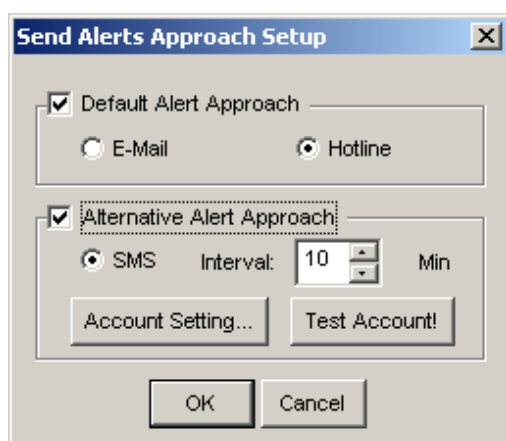


Figure 12-1 Send Alerts Approach Setup

3. Check the Alternative Alert Approach item to enable other options.
4. Specify the Interval of two sent-out messages. Any alert condition will be ignored by the system during the interval.
5. Click the Account Setting button to display the following window.

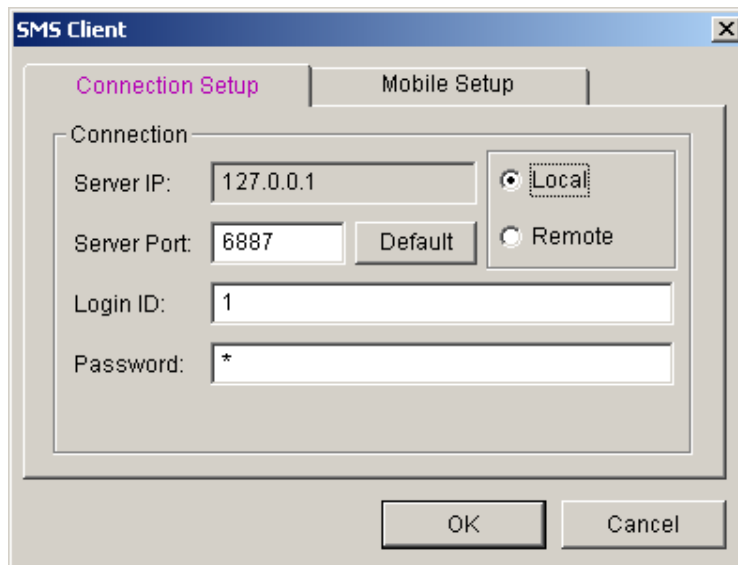


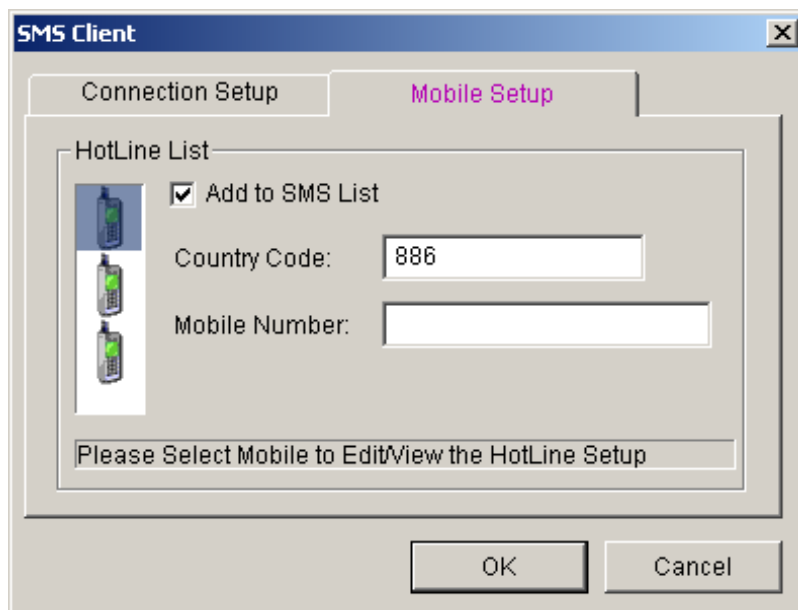
Figure 12-2: SMS Client

- **Server IP:** Specify the IP address of the SMS server.
 - **Server Port:** Specify the server port of the SMS server, or keep it as default.
 - **Login ID:** Enter a valid ID registered in the SMS server.
 - **Password:** Enter a valid password registered in the SMS server.
 - **Local:** If the GSM/GPRS modem is installed at the same server with the GV system, select the item
 - **Remote:** If the GSM/GPRS modem is installed at a separate server, select the item.
6. Click OK to apply the above settings.
 7. Click the Test Account button in the window of figure 12-1. If the connection of both devices is established, the following message will appear: *Login SMS Server OK!* If the connection fails, the following line will appear: *Connect to SMS Server Fail.*

Setting Mobile Phone Numbers

The main system allows you to configure three mobile phone numbers for the SMS service. When an alert condition happens, the SMS messages will be sent out to the three assigned mobile phones simultaneously.

1. Open the Send Alerts Approach Setup window. Refer to figure 12-1.
2. Click the Account Setting button to display the SMS Client window. Refer to figure 12-2.
3. Click the Mobile Setup tab in the upper of the window to display the following dialog box.



4. Click one mobile phone icon, and then check the Add to SMS List item for the mobile phone setup.
5. Enter Country Code and Mobile Number.
6. Click other mobile phone icons, and follow step 4 and 5 to set up the rest of two mobile phone numbers separately.
7. Click OK to apply the settings.

Note: To configure an alert condition of sending out SMS messages, refer to *Send Event Alerts* on page 20.