

# USER MANUAL

DWM-156

VERSION 3.00



**D-Link**<sup>®</sup>

**MOBILE**

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# 1 D-Link dongle Introduction

## 1.1 Introduction

Thank you for choosing the D-Link dongle.

To guarantee the D-Link dongle always in its best condition, please read this manual carefully and keep it for future use.

The pictures, symbols and contents in this manual are just for your reference. They might not be completely identical with your D-Link dongle. Please subject to the real object.

The D-Link dongle is a type of multi-mode, 3G Wireless Data Card, applicable to GSM/GPRS/EDGE/WCDMA/HSDPA(HSUPA) network. It integrates some functions of Wireless Data Card and mobile phone, and combines mobile communication with the Internet perfectly. Via GSM/GPRS/EDGE/WCDMA/HSDPA(HSUPA) mobile network, it carries out data service, helping you break away from limitation of time and zone, and communicate wirelessly anytime and anywhere.

## 1.2 Safety Warning and Notice

### To the owner

- Some electronic devices are susceptible to electromagnetic interference sent by D-Link dongle if inadequately shielded, such as electronic system of vehicles. Please consult the manufacturer of the device manufacturer before using D-Link dongle if necessary.
- Operating of your PC and D-Link dongle may interfere with medical devices like hearing aids and pacemakers. Please always keep D-Link dongle more than 20centimeters away from such medical devices when they are in use. Power off D-Link dongle if necessary. Consult a physician or the manufacturer of the medical device before using D-Link dongle.

- Be aware of the usage limitation when using a D-Link dongle at places such as oil warehouses or chemical factories, where there are explosive gases or explosive products being processed. Do not use D-Link dongle if necessary.
- Store the D-Link dongle out of the reach of small child, it may cause injury if used as a toy.

### **Device**

- Avoid using D-Link dongle near metallic structure device or establishment that can emit electromagnet wave. Otherwise it may influence receiving of signals.
- D-Link dongle is non-waterproof, please keep it dry and store in shady and cool place.
- Don't use D-Link dongle immediately after sudden temperature change. In such case, there will be dew inside and outside the D-Link dongle, so don't use it until it becomes dry.
- Treat D-Link dongle Don't drop, bend, knock or harshly treat it to avoid destructive damage.

### **In Aircraft**

- Please power off D-Link dongle before the airplane takes off. In order to protect airplane's communication system from interference, it is never allowed to use the Data Card in flight. Only use the D-Link dongle before taking off with the crew's permission according to safety regulations.

## **1.3 Applicability Scope**

The D-Link dongle supports Apple computers.

## 1.4 System Requirements

Operating System: Version 10.4 or above

Configuration:	CPU	PowerPC or Intel
	Processor	500M or above
	Memory	128M or above

The performance of the D-Link dongle may be influenced if actual configurations is under recommendation.

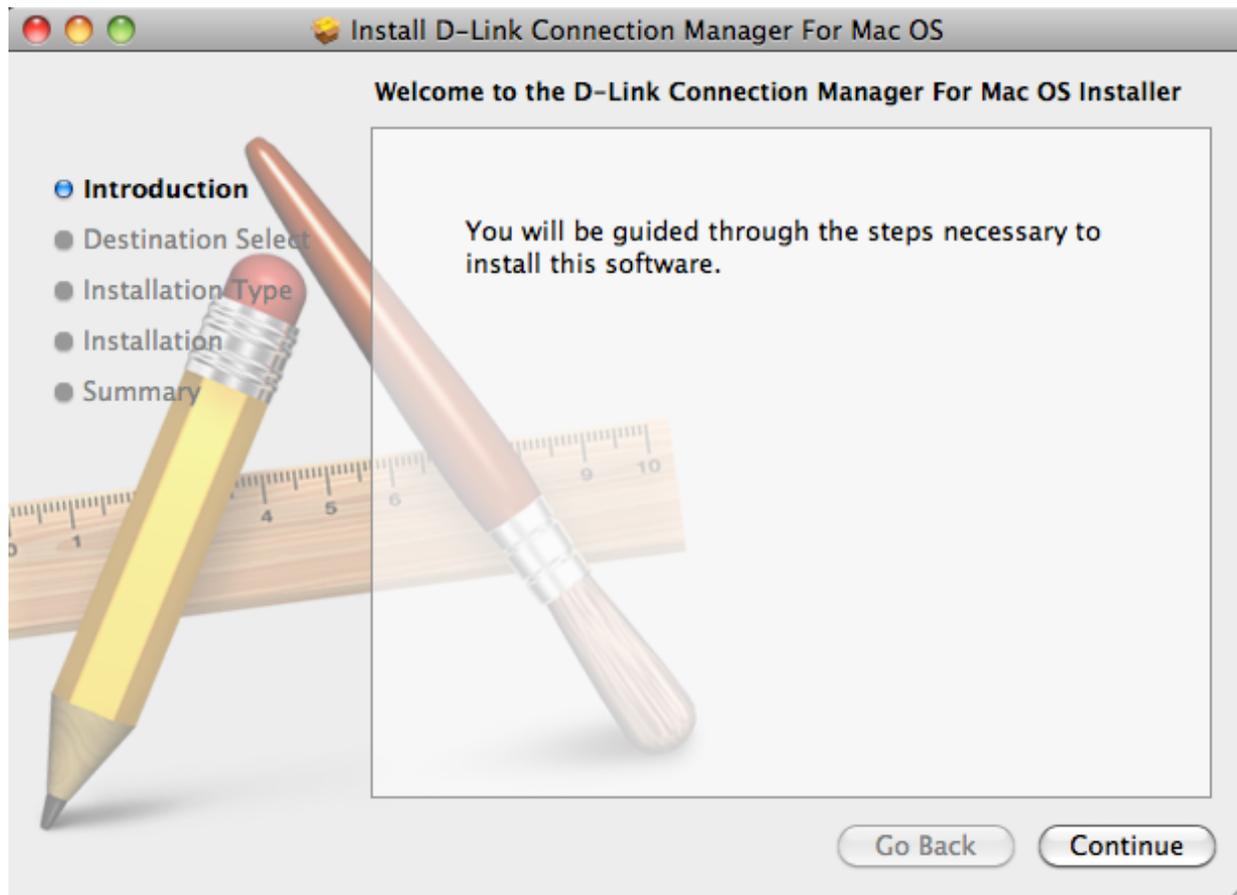
## 1.5 Functions

Data service, Applications management, etc.

## 2 Installation

### 2.1 Connect D-Link dongle and PC

Connect D-Link dongle with your PC. Double click the install package of the software, then follow the following steps to install:



- 1) Press "**Continue**" button on the welcome page.
- 2) Select a destination volume to install software on the volume "Macintosh HD", and then click "**Continue**".

- 3) Select Installation Type “Customize” or “Easy Install”, and then click “**Install**”.
- 4) Please enter user name and password to be authenticated, and click “**OK**” to install.
- 5) Click “**Continue Installation**” to make sure that installing requires user to close.
- 6) Left click “**Close**” to finish software installation.

**Note:** If you have problems with the above installation operation, please contact the service provider for help.

After the installation, select “**Finder**” → “**Applications**” and there will be a “**D-Link Connection Manager**” program listed in, the D-Link dongle is ready to work normally.

## **2.2 Running Application Software**

After the D-Link dongle is installed and connected normally, double click “**Finder**” → “**Applications**” → “**D-Link Connection Manager**” on the PC to run the application software.

## **2.3 Disconnect D-Link dongle Safely**

Please close the application software first, and then pull out D-Link dongle.

## **2.4 Software Uninstallation**

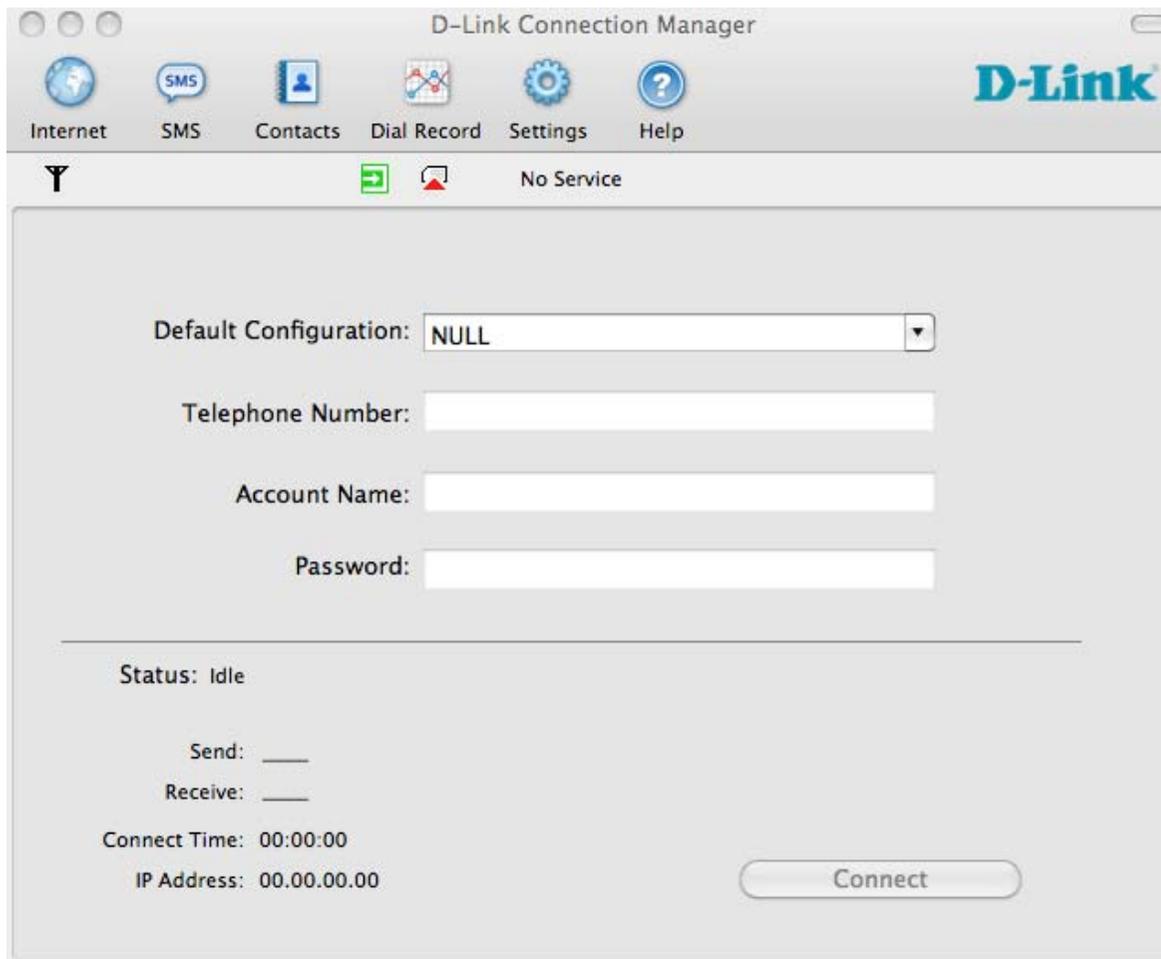
Close the application program before uninstalling the software.

Select “**Finder**” → “**Applications**” → “**Uninstall D-Link Connection Manager**” to uninstall the software.

## 3 Functions & Operation

### 3.1 Interface Introduction

The Mac PC application software comprises three parts: Functional Button Area, System Information Area and User Area. The related functions can be executed within the corresponding area.



### 3.1.1 Functional Button Area

There are various functional button icons shown in this area. Select different function button and it will carry out corresponding operation.



Connect to the Internet.



Save and view information of the contact list.



Send SMS or read SMS in InBox/OutBox/Draft.



Settings for the application software.



View related information of your operation, such as, user name, start time, disconnect time, duration, data received, data sent and data statistics.



System information for Help.

### 3.1.2 System Information Area

It shows the system status and related information.

 Shows network signal strength 6 stages from none  to strong 

 Letter “P” means supporting packet-switch (P) service, while letter “C” means supporting circuit switch (C) service.

 Indicates insert status of D-Link dongle. Green indicates that it has been connected to the computer, and red  indicates it has been disconnected.

 Indicates insert status of the SIM/USIM card to D-Link dongle. Green indicates the card has been inserted, and red 

indicates it has not been inserted.

### 3.1.3 User Area

Show the interactive computer information under various conditions.

## 3.2 Connecting to the Internet

You can browse web pages after you have connected to the Internet through the D-Link dongle.

### 3.2.1 Connect to the Internet

Click  button to ensure D-Link dongle connect to Internet properly. You can configure user's network information first. Different operator's network configurations can be saved in different files.

The user configuration information includes: Description (Config filename), Telephone Number, Account Name, Password, APN, DNS, and PDP address. If the network supports "Obtain server address automatically", the D-Link dongle can obtain the assigned IP information automatically. Otherwise, fill the proper address manually. Please consult the network supplier of SIM/USIM card for all above information. The user configuration information may differ with the network supplier and network types.

Click "**Connect**" to start connecting. When connected, you can see all the information of data flow, connected time and so on.

While connecting to the Internet, click "**Cancel**" to cancel the connection.

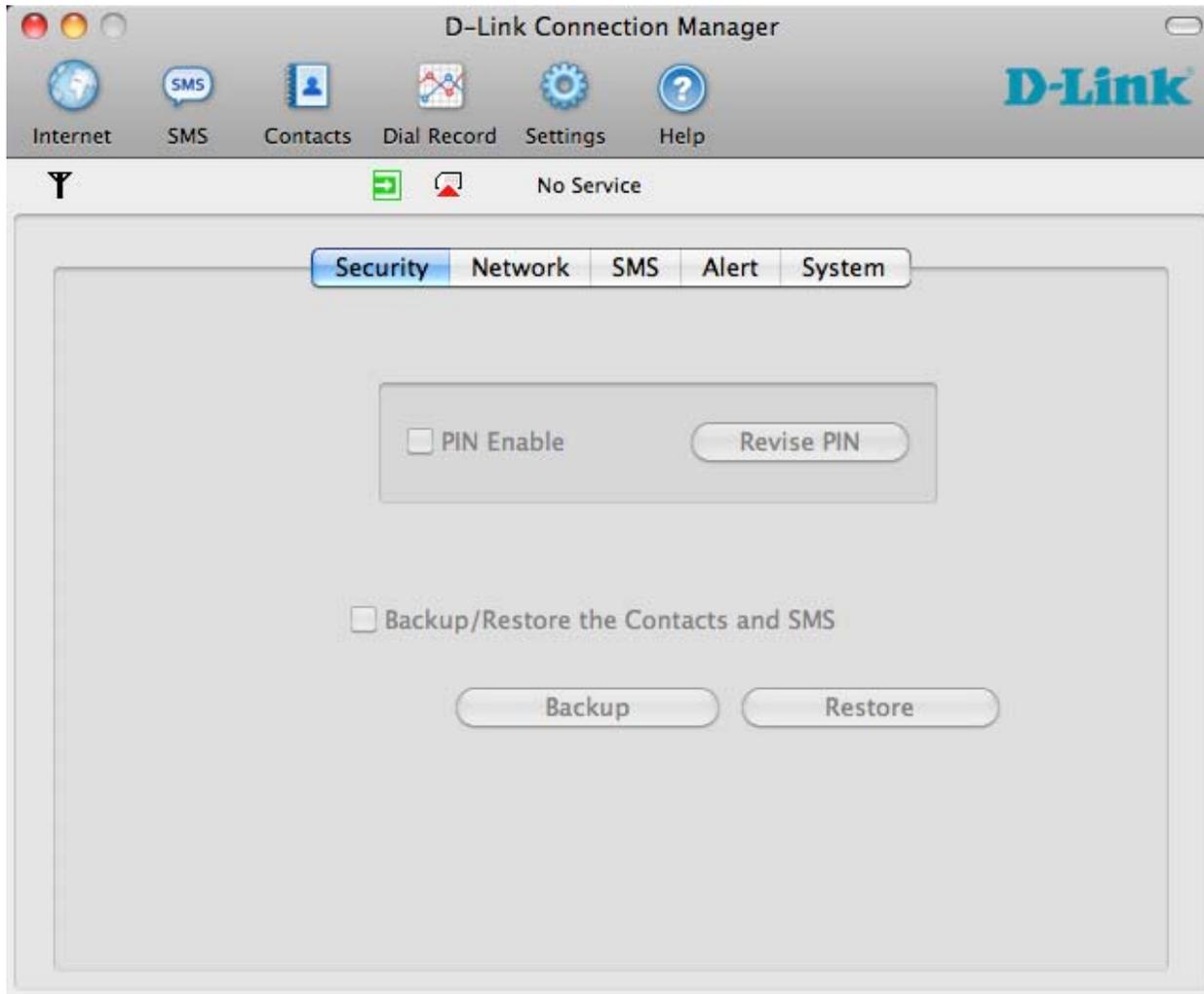
**Note:** The D-Link dongle has the function of locking the SIM/USIM card. If you use the SIM/USIM card provided by another network service provider, maybe you can't connect to the network. If you have any problem, please consult your network service provider for further information.

### 3.2.2 Disconnect from the Internet

Click "**Disconnect**" button to disconnect from the Internet.



### 3.3 Settings



Click  button to switch to the settings interface. It includes: Security setting, Network settings, SMS setting, Alert setting, Browser setting and System setting.

### 3.3.1 Security Setting

#### 1. PIN Enable

You can enable the PIN Code verification by select **“PIN Enable”**.

When **“PIN Enable”** item is selected, you will be asked to enter PIN code to use the modem.

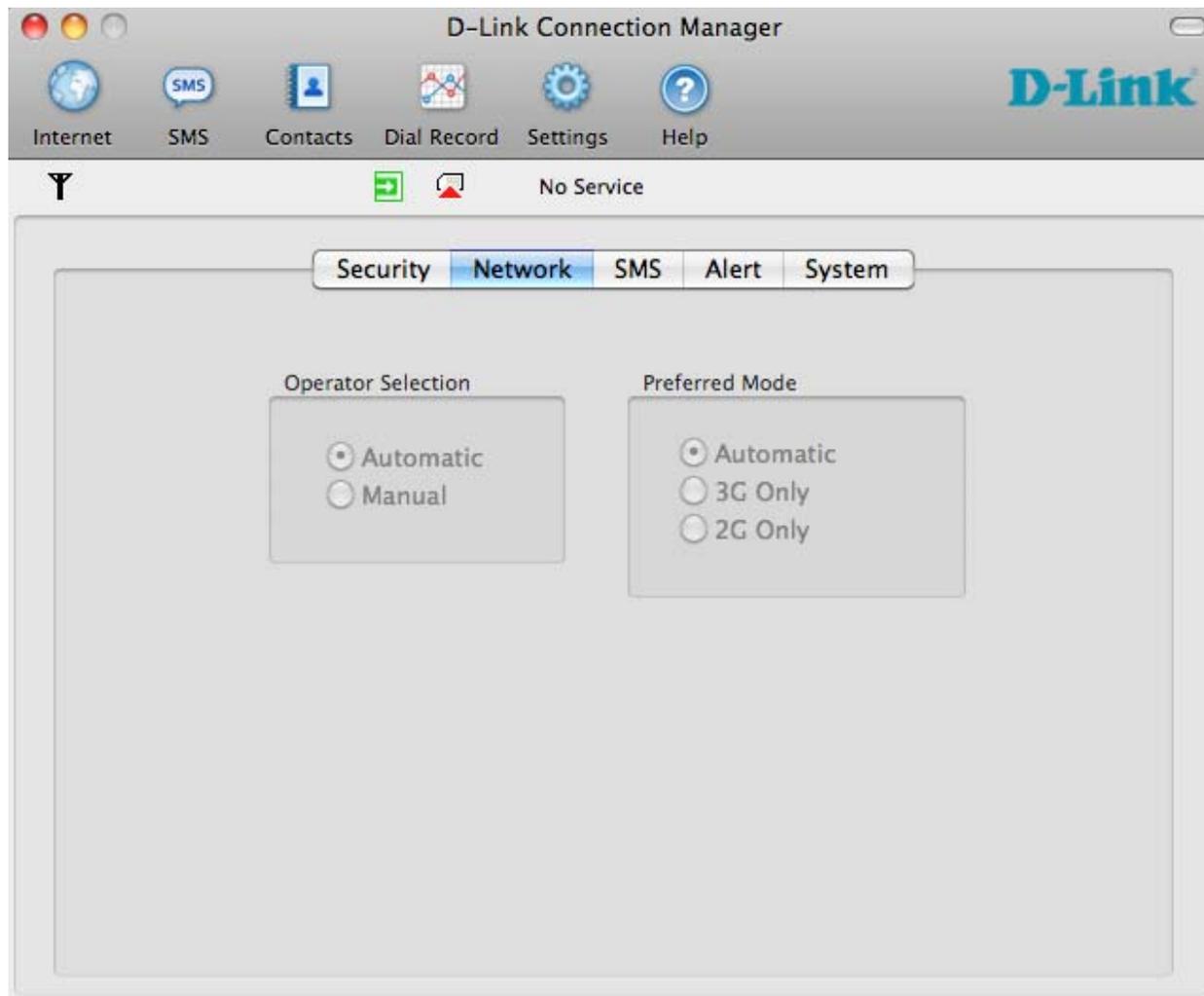
Click **“Revise PIN”** to modify the PIN Code. Enter the old PIN Code and the new PIN Code, click **“OK”** to confirm.

**Note:** This function needs network support.

#### 2. Backup/Restore the Contacts and SMS

You can backup the contacts and SMS in PC to your PC. And you can also restore them. To use this function, select the **“Backup/Restore the Contacts and SMS”** item first. And then click the **“Backup”** button to backup the contacts and SMS, or click the **“Restore”** button to restore the contacts and SMS.

### 3.3.2 Network Setting



## 1.Operator Selection

**Automatic:** The system selects the network automatically according to user's configuration rules and network status.

**Manual:** The system lists all networks for you to choose from manually.

Select network "**Automatic**". The system will find the available network automatically.

Select network "**Manual**", and then select the preferred mode. After a while, network operator list appears in which red ones are unavailable. Select the proper network to connect.

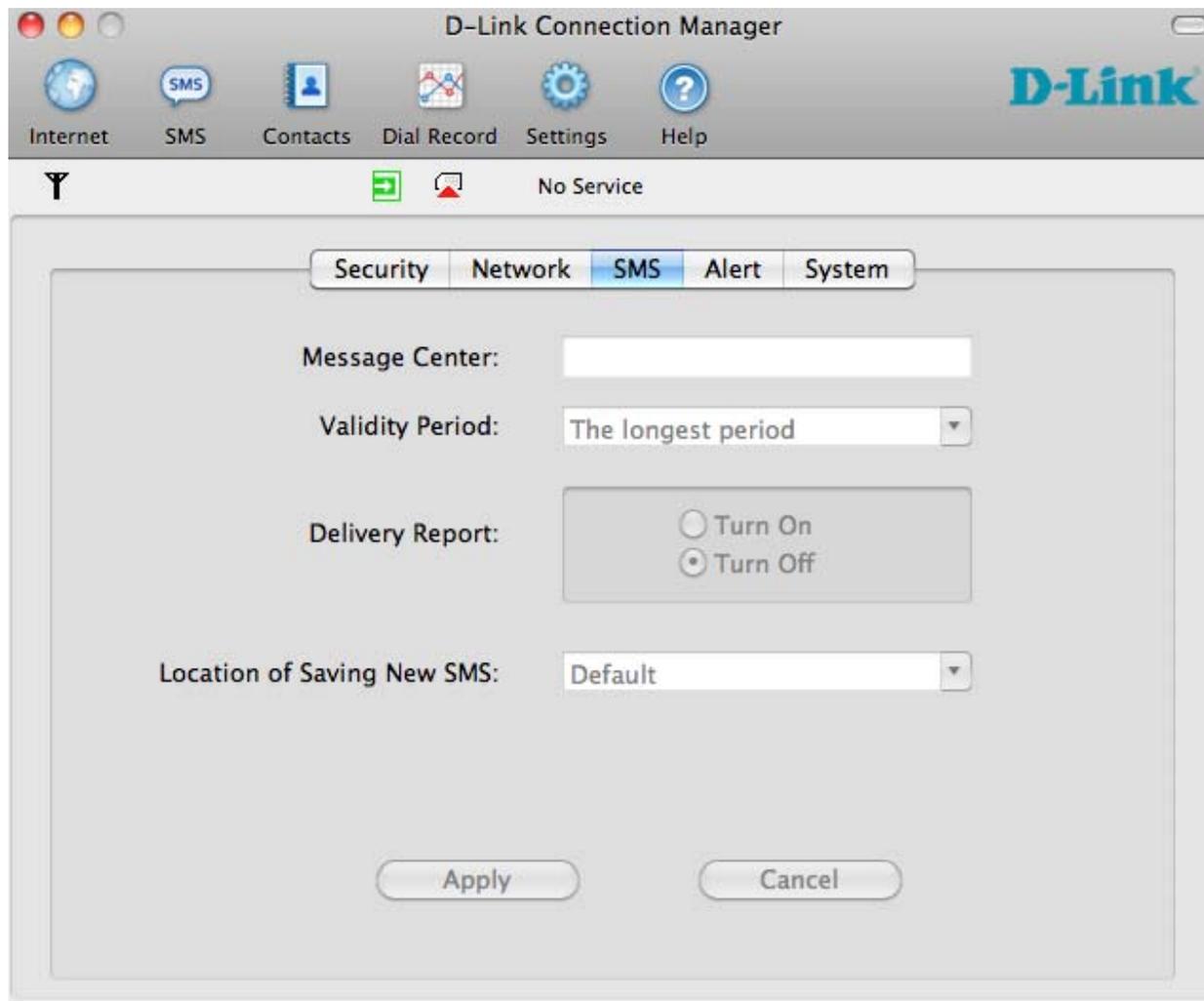
## **2. Preferred Mode**

**Automatic:** The system selects the available network automatically.

**3G Only:** The system will only select the 3G network.

**2G Only:** The system will only select the 2G network.

### 3.3.3 SMS Setting



**Message Center:** Set the corresponding SMS center number. You must input the correct SMS center number to use the SMS properly and the number will be provided by the network provider. Please enter the country code before the number.

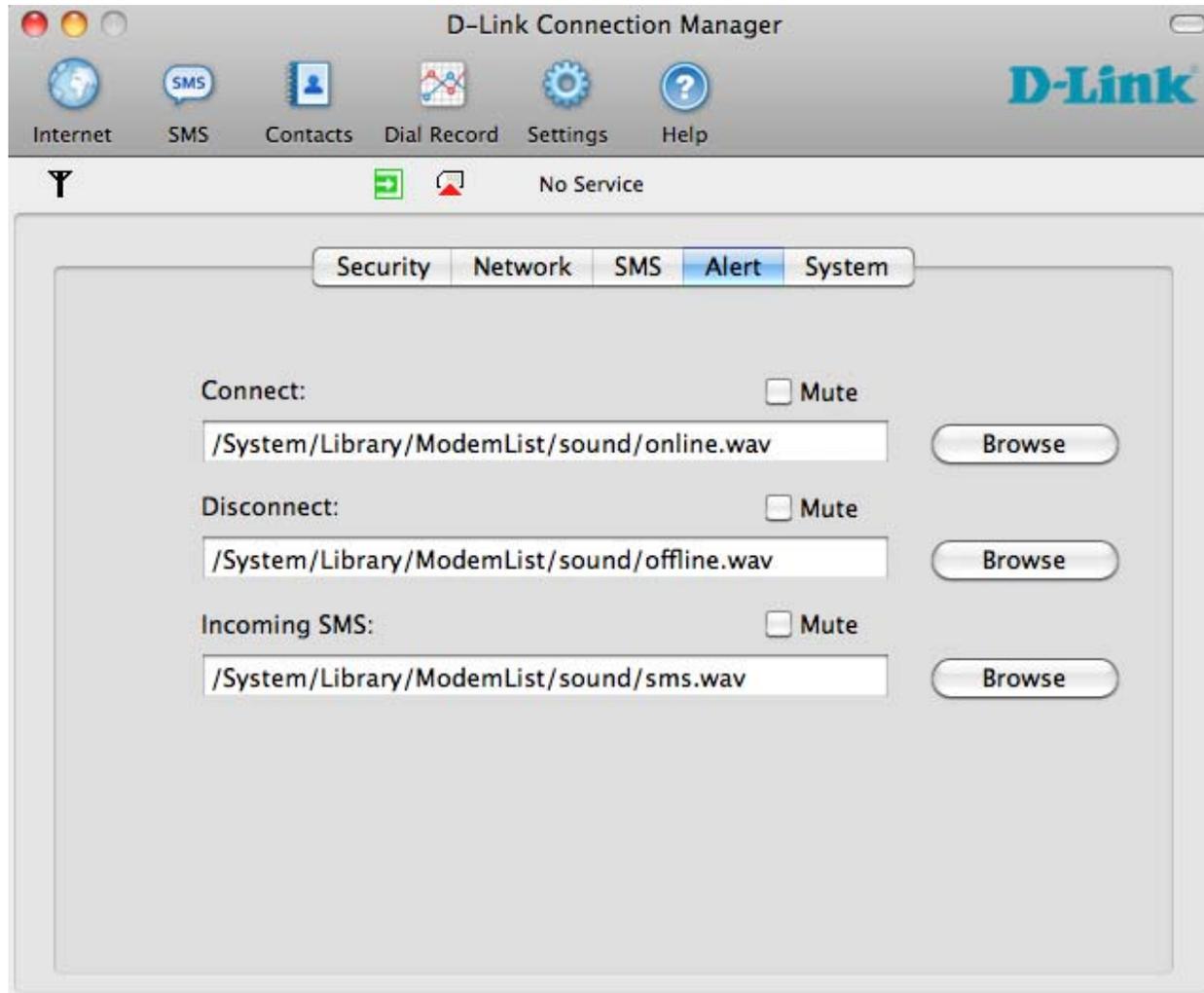
**Validity period:** Set the time limit for saving SMS in the network side. (This function needs network support.) In option: **12**

**hours/A day/A week/The longest period.** The default setting is a longest period permitted by the network.

**Delivery Report:** Set “**Turn On**” or “**Turn Off**”. When it is set as “**Turn On**”, the network will inform you of the status for the sent messages.

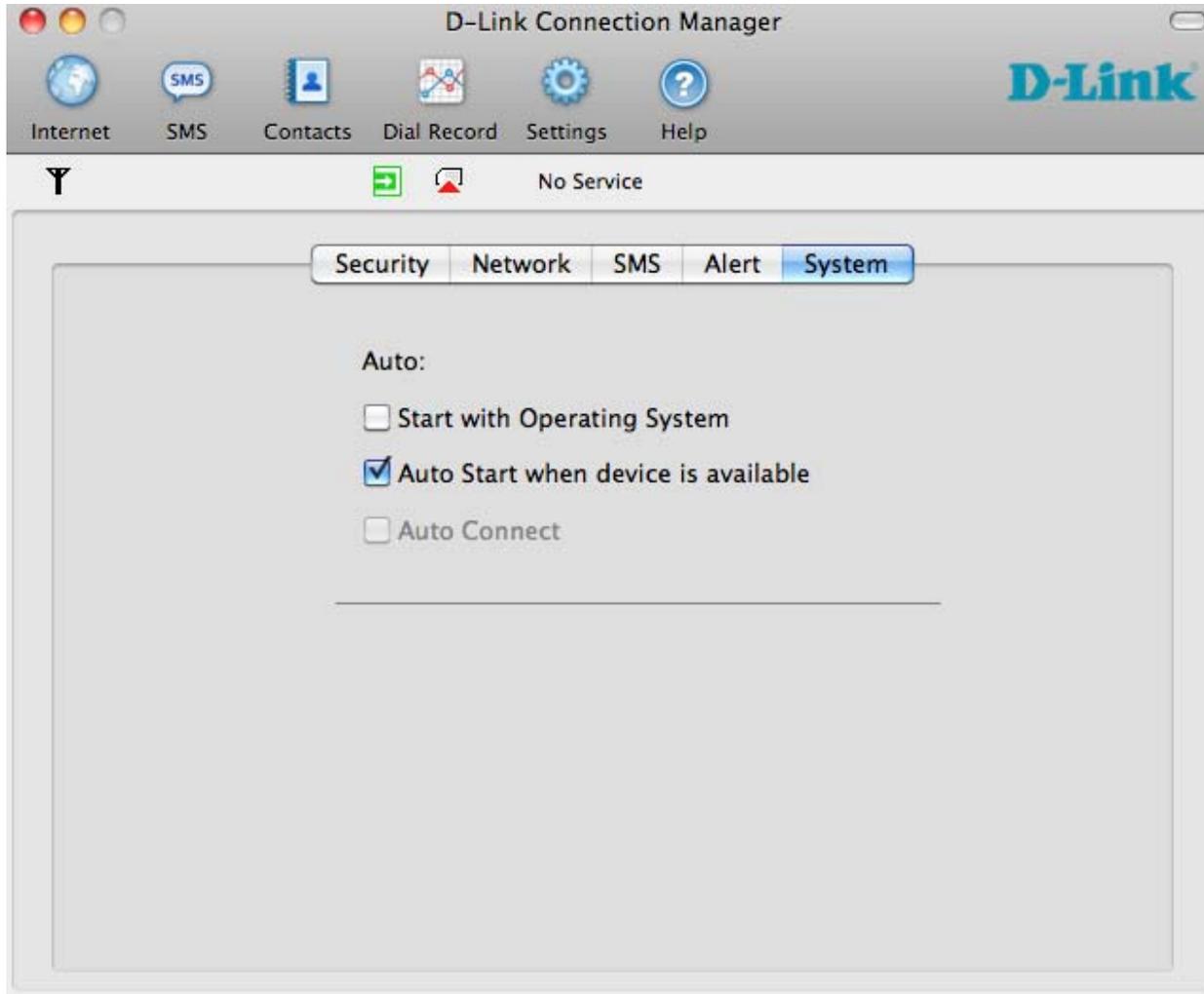
**Location of Saving New SMS:** Select “**Default**” to save according to the modem; Select “**PC**” to save in laptop or desktop PC; select “**(U)SIM**” to save in (U)SIM card.

### 3.3.4 Alert Setting



You can set **Connect** alert, **Disconnect** alert and **Incoming SMS** alert by yourself. These alerts will sound on the PC side. Click the **“Browse”** button to replace the default audio file. Select **“Mute”** to disable sound alert.

### 3.3.5 System Setting



- **Start with Operating System:** When the OS starts up, it will launch the software automatically.
- **Auto Start when device is available:** When you plug the modem in your computer, the OS will detect and recognize the modem and run the software automatically.
- **Auto Connect:** The software will connect the internet automatically.



### 3.4.1 New Group

You can add new groups in PC. But you can not add new groups in (U)SIM card.

Click  and name the new group in PC group folder tree. Select the folder group you want to add or edit , and input all the information according to the prompt.

On bottom left, e.g. it shows Cur:5 Max :1000:

When the PC radio button is selected, it means:

- The PC capacity is 1000,and 5 contacts has been saved in PC.

When the (U)SIM radio button is selected, it means:

- The (U)SIM capacity is 1000,and 5 contacts has been saved in (U)SIM .

### 3.4.2 Searching Records

You can key in total or any part of the record characters or phone number you are searching for. The corresponding records or names are listed, scroll to the record you want to view in details.

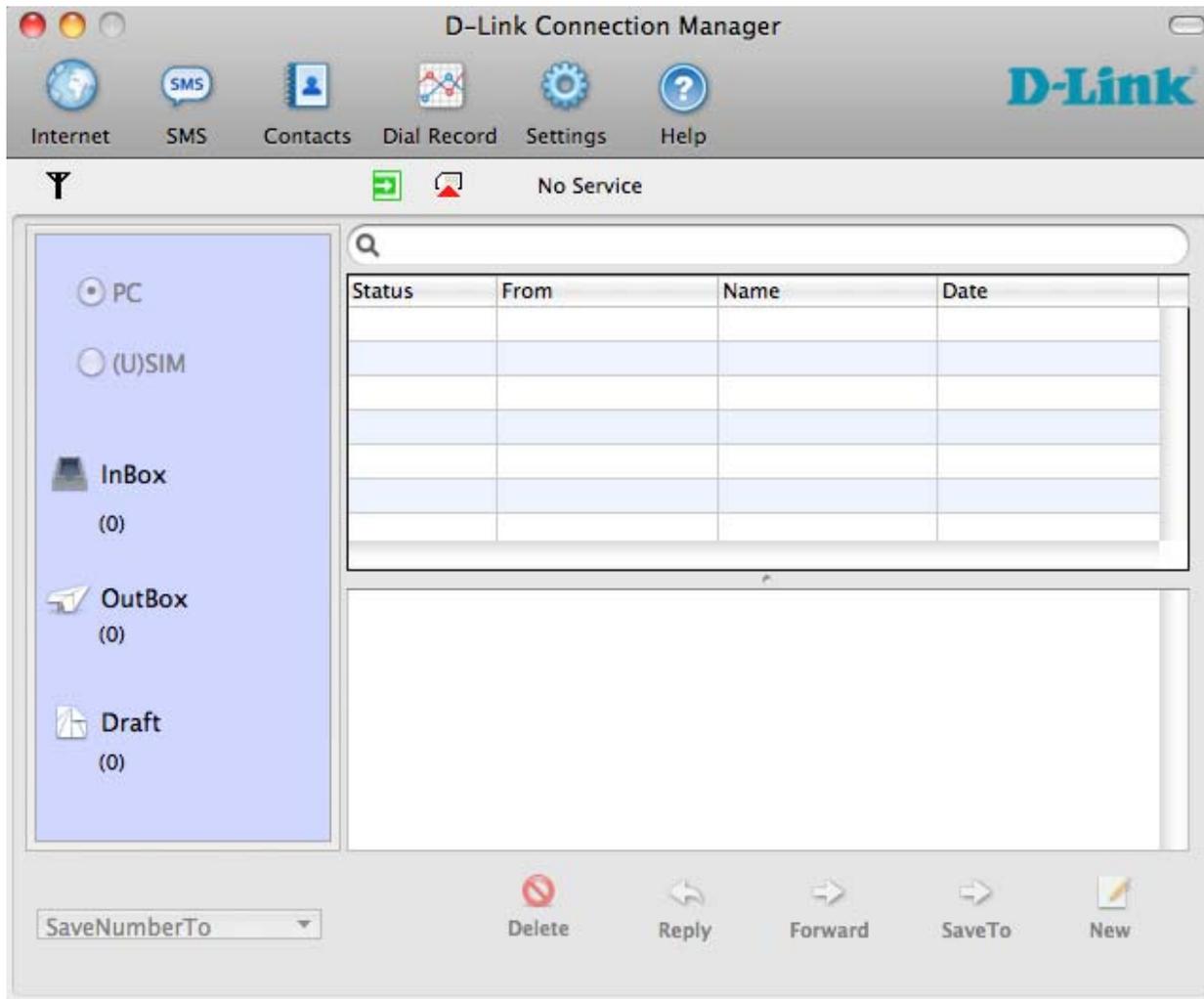
Select records from the list and click  to edit the information.

### 3.4.3 Buttons Description

If any record is selected, you can carry out the following steps:

-  Delete the selected record.
-  Edit the information of the selected record.
- **CopyTo** Copy the records information between PC and (U)SIM card.
-  Send message to the mobile phone numbers in the records.

### 3.5 SMS



Click  button to switch to the SMS interface and it shows the number of the SMS in the inbox, outbox and draft box. Click the button ,  or  to enter relative interface.



Save received SMS.



Save sent SMS.



Save SMS edited as draft in PC before sending or after failure.

### 3.5.1 Reading SMS



Click  button or SMS icon in system information area to read the SMS saved in InBox. Make use of the bottom menu buttons to Create New, Reply, Forward, Delete, or Save message(s).

### 3.5.2 Creating new message



Click  button to input the recipient's number and content.

Input the recipient's number directly or select it from the Contacts, and then press "**SMS**" button.

The recipient's number(s) can be one or more, using ";" to separate.

Click "**Send**" button to send the message. After sending successfully, the SMS will be saved into OutBox automatically. If sending fails, failure notification will appear, and the message will be saved in the Draft.

### Sending SMS while browsing the web

If network supports, you can send short messages when surf the Internet. Click  button, enter the short message interface and send SMS normally.

### 3.5.3 SMS Interface Operating Guide

Enter any of the InBox/OutBox/Draft to execute the following functions:

- **Read:** Read all the information of the short messages. (The content of short messages, sender's phone number, sending date

and time)

- **Reply:** Reply short messages to the sender. (OutBox / Draft do not have this item)
- **Delete:** Delete selected short message(s).
- **Forward:** Forward short messages to other recipients.
- **SaveTo:** Copy the selected SMS from PC to (U)SIM or from (U)SIM to PC.
- **SaveNumberTo:** Save the selected SMS number to Contacts.

The system indicates when USIM/SIM card is full (USIM/SIM cards differs in capacity). New messages can only be received and saved till the user clear some short message(s) in USIM/SIM card Inbox.

## 4 Help

Click  button on application interface to switch to help pop-up window. Under “Help” subject, you can get D-Link dongle information on functions introduction, installation and usage guide, versions and date of application software and hardware etc.

## 5 FAQ & Answers

When you meet the following problems in service, please refer to the following answers to solve it. If the problems still exist, please contact with your suppliers.

Problem Description	Possible Causes	Problem Solution
After D-Link dongle is plugged in for the first time, the device can not appear as a virtual CDROM.	The D-Link dongle is affected by the program installed before.	If you have previously installed a version of the program, please uninstall it completely.
After D-Link dongle is plugged in, the UI program doesn't run automatically.	The system configuration is incorrect.	Please open the UI program manually. You can find it in "Applications" folder.
There is no signal indicated.	1. You are in a place where there is no GSM/ GPRS /EDGE /WCDMA /HSDPA(HSUPA) network coverage. Such places include underground parking garages, tunnels, and some remote rural areas.	1. Change location to find a good place where having signal.
	2. D-Link dongle is not properly connected.	2. Close the software safely as usual, pull out the device and reinsert it again.
	3. The SIM/USIM card isn't inserted properly.	3. Remove and reinsert the SIM/USIM card correctly.

<b>Problem Description</b>	<b>Possible Causes</b>	<b>Problem Solution</b>
	4. D-Link dongle is positioned in such a way that adversely affects D-Link dongle's signal reception.	4. Adjust the angle/position of D-Link dongle or its proximity to other electronic devices.
After D-Link dongle is plugged in, the application can not find SIM/USIM card.	The SIM/USIM card is not inserted properly.	Reinsert the SIM/USIM card correctly.
Sent Message failure.	The network is busy or you are in an area with no signal.	Try later or move to an area with a stronger signal.
Data connection failed.	1. You are in the place where there is no GSM/ GPRS/ EDGE/ WCDMA/ HSDPA(HSUPA) network coverage.	1. Move to an area with good signal.
	2. The network is busy.	2. Try later.
	3. The APN in the user configuration file is incorrect.	3. Check the APN in the user configuration file.
	4. D-Link dongle data is corrupted.	4. Local network access or the target server may be experiencing problems. Retry data request.
	5. The network type has been selected manually, but is incorrect.	5. Reselect the network type according to the type of the SIM/USIM card.

<b>Problem Description</b>	<b>Possible Causes</b>	<b>Problem Solution</b>
Connected to the Internet, but it cannot open any website page.	1. The Safari browser is causing problems.	1. Upgrade to the newest version or reinstall the Safari browser.
	2. You have connected to an APN which cannot connect to the Internet.	2. This happens when you are changing any preset operator value in the setting section. Check the entry and enter the correct APN from your operator.