D-Link

User Manual

HSPA+ USB Adapter

DWM-157

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INTRODUCTION

1.1 Introduction

Thank you for choosing the D-Link dongle. To guarantee D-Link dongle always in its best condition, please read this manual carefully and refer to it for general operational information. The pictures, symbols and contents in this manual are just for your reference. They might not be completely identical with your device. We operate a policy of continuous development and reserve the right to update and modify the technical specifications in this document at any time without prior notice. It is a type of multi-mode, 3G modem or card, applicable to GSM/GPRS/EDGE/WCDMA/HSDPA(HSUPA) networks. The interface connects most PCs to the internet, integrating functions of the MODEM device and mobile phone, into a mobile communication device. Via GSM/GPRS/EDGE/WCDMA/HSDPA mobile networks, it supports data services and SMS services, helping you break away from the limitations 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 systems of vehicles. Please consult the device manufacturer before using D-Link dongle if necessary.Operation 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 20 centimeters away from such medical devices when they are in use. Pull out 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 petrol stations or chemical factories, where there may be explosive gases or explosive products being processed. Do not use D-Link dongle if unsure.Store the D-Link dongle out of the reach of small children, it may cause injury if used as a toy.

Device

Avoid using D-Link dongle near metallic structures, devices or establishments that can emit electromagnet waves. This may adversely affect signal reception.D-Link dongle is not waterproof. Please keep it dry and store in shady and cool place.Do not use D-Link dongle immediately after sudden temperature change. In such case, condensation may form inside the device, potentially causing irreversible damage to it. Please allow adequate time to dry.Treat D-Link dongle carefully and avoid destructive damage. Do not drop, twist, strike or otherwise harshly treat it.

In Aircraft

Please power off D-Link dongle before take-off. In order to protect in flight communication systems from interference, do not use D-Link dongle in flight. Use before taking off is subject to the usual aviation laws and the particular airline's policy. If in doubt seek advice from the cabin crew.

1.3 Applicability Scope

The D-Link dongle supports main types of laptops or other computers, such as HP, IBM, Toshiba, Lenovo, Dell, Founder, etc.

1.4 System Requirements

Recommended system configuration;

Operating System   Windows XP/Vista/7/8 32/64bit   MAC OS 10.6+   Linux Ubuntu 9.10+
CPU   500MHz Pentium or above
Hard Disk   20G or above
RAM   128M or above

The performance of the D-Link dongle may be influenced if your laptop configuration is under this recommendation.

1.5 Functions

Functional support includes: SMS service, Data service, Phone book and USSD etc.

HSPA+ USB ADAPTER INTRODUCTION

1. To launch the Network Connect, double-click the shortcut icon on the desktop. It should be noted that:

   • If the PIN code enabled, enter the correct one, then click **OK**. The (U)SIM will be locked after three retries of incorrect PIN code inputting;

   • Enter the correct PUK to retrieve the default PIN code. After ten retries of incorrect PUK code inputting, please contact with your service provider;

   • With the wrong PIN and PUK, all the network services are unavailable.

2. Main interface introduction

Connection

Set parameters options

Access to the Text Message

Help (User Manual)

Access to the Phonebook interface

Access to USSD

Access to check usage statistics

3. Status information

Status	Description
New message	New message(s) arrived.
Message full	Indicates the (U)SIM's storage of SMS
No device	Indicates that system cannot find the device.
Initializing	Indicates that the device is in the process of initializing.
Searching	The device is searching for the network.
No service	No suitable network.
No (U)SIM card	(U)SIM card not inserted or the device cannot recognized the (U)SIM.
Invalid (U)SIM card	The (U)SIM is out of service.
Network signal	Indicate the signal strength of the network.
Network type	GSM/GPRS, UMTS.
Data service	EDGE available, HSPA available

4. LED Indicator description

State of LED indicator	Description
RED Solid On	No SIM card/ Error
Green Solid On	Register to network (not connect)
Green blinking	Connected to network

*Green blinking: Flash once every 0.5 seconds)

INTERNET SERVICE

1. Connecting with the default connection profile

 • Click to set up the connection;

2. Statistics information

The following window will be displayed at lower right corner
of main interface when connecting to the internet.

3. Disconnect from the internet

Click to disconnect the internet connection.

SMS SERVICE

Click ![sms] to enter SMS (Short Message Service) service interface.

1. Creating and sending a message.

    Click ![icon] :

- Input the recipient number by one of the following options:
  - Enter the number directly;
  - Click **Send to**, choose the recipient number from the phonebook and add to the sending list , then click **OK**.
- Enter the message content;
 - Click **Send** or **Save** to **Draft**. The message will be saved in the **Draft** when failed to send.

Note:

- You can group send a message at most 100 recipients;
- Each number should be separated by " , ";
- The message cannot expand 2,048 characters at most.

2. Inbox

- The following prompt box will be displayed when received a new message;
  ![box]

- Reply ![icon] : Access the edit interface, write the content, click **Send** or **Save** to **Draft**;
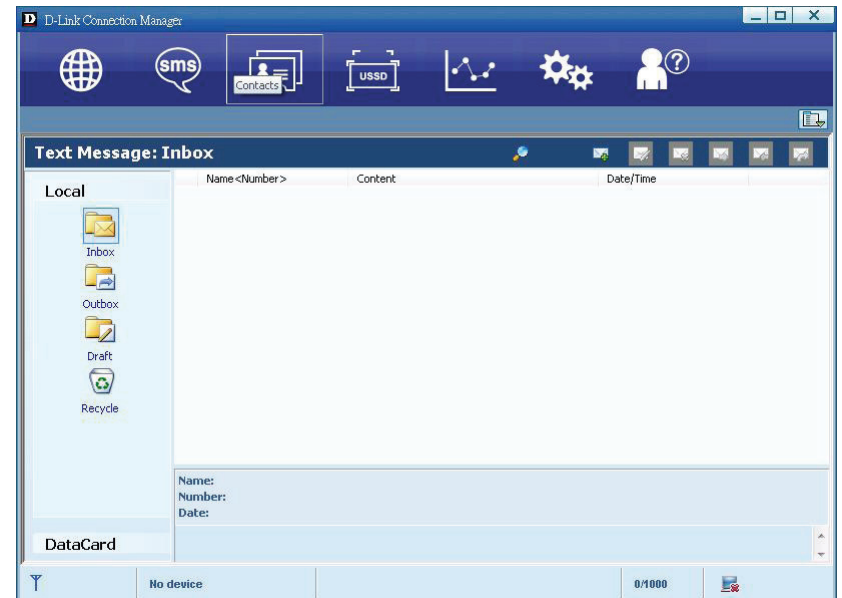
- Forward : Forward the selected message;
- Delete : Delete the selected message.

Note:

- The new message will be saved in PC when Connect running only, else in (U)SIM instead.
- You can use "Shift" or "Ctrl" to selected several messages;

3. Outbox

The message in the **Outbox** can be deleted or forwarded.

4. Draft

- The MSG sent unsuccessfully will be saved in the **Draft** .
- Click the selected message;
- Confirm the recipient and the content, and click **Send** or **Save** to **Draft**.

5. Recycle

All deleted information will be saved in the Recycle.

6. The selected SMS can be operated as follows:

- Save number : To save the sender's information to the (U)SIM card or PC.
- Delete text message : To delete the selected message.

- Move to : To move the selected message to Outbox or Draft.

- Copy to : To copy the selected message to Outbox or Draft.

- SMS Export :

    - Right-click the selected the message;

    - Click **SMS Export** ;

    - Specify the path and the file name, and click **Save**.

Note: The exported message will be saved as a *.csv file.

CONTACTS

Click to enter Contacts interface.

1. New

- Click ;
- Enter the Name and Mobile, and save it in the (U)SIM card or PC.

2. Searching a contact

- Click ;
- Enter the key characters of you want to find in the
- The result will be displayed in turn.

3. Viewing a contact

- Click **Local** or **(U)SIM** to display the contacts interface accordingly;
- Select a contact, then you can operate as follows:
  - Edit : Modify the selected contact;
  - Delete : Delete the selected contact;
  - Send SMS : Send a message to the selected contact;
  - Copy to : Copy the contact between (U)SIM card and PC.

Note: The deleted contact information cannot be retrieved.
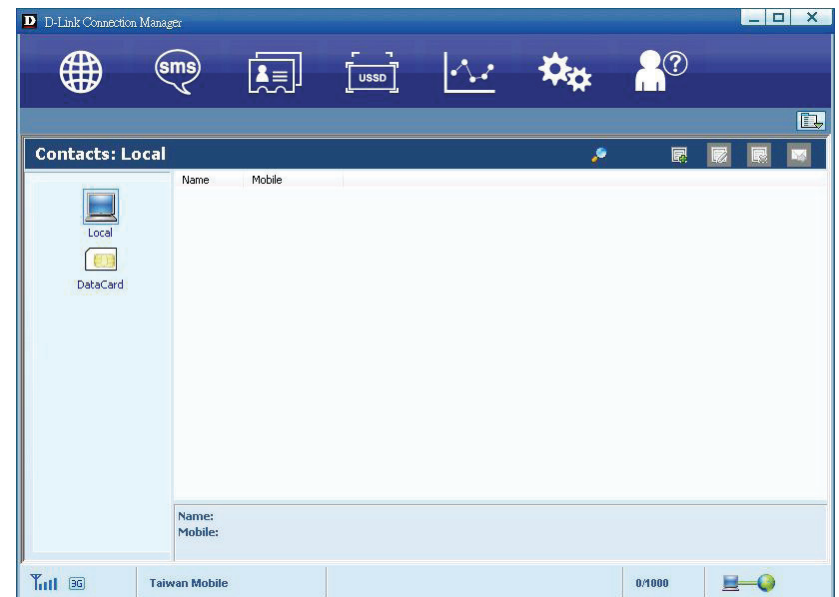
4. Import

- Right-click the mouse;
- Click **Contacts Import**;
- Select the *.vcf or *.csv file and click **Open**;
- The import file will be saved in the current interface.

5. Export

- Right-click the selected contact;
- Click **Contacts Export**;
- You can saved the contact file as *.csv file or *.vcf file;
- Confirm the name and the path the file saved, then click **Save**.

USSD

Click ![USSD icon] to enter USSD interface.

You can add, edit, delete, and send USSD operation. The result of sending will display on the edit box.
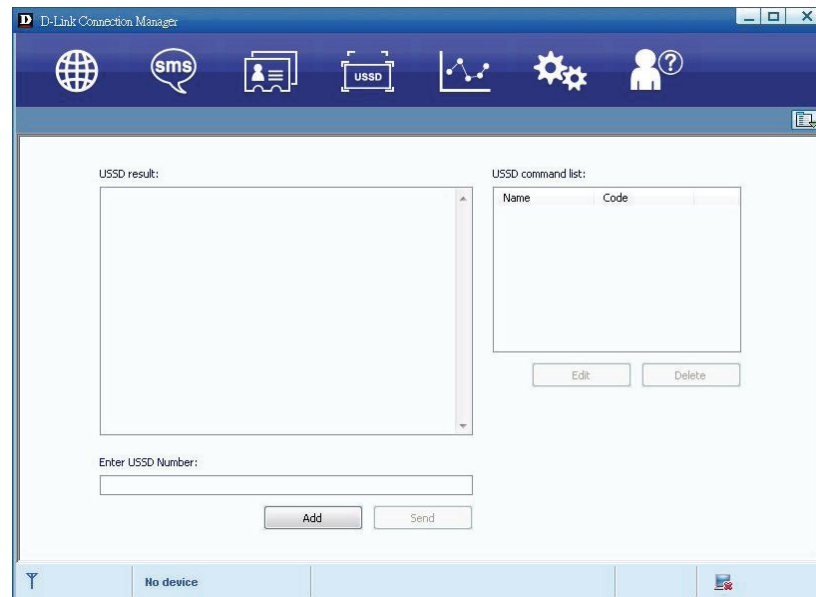
SETTINGS

Click ![icon] to list the functions.

1. PIN Management

- Enable PIN

  - Click **Enable PIN**;

  - Enter the correct PIN code and click **OK**.

Note: The PIN code should be a numeric string of 4-8 digits.

- Disable PIN;

  - Click **Disable PIN**;

  - Enter the correct PIN code and click **OK**.

- Modify PIN

  - Click **Modify PIN**;

  - Enter the old PIN code and new PIN code, confirm the new PIN code and click **OK**.
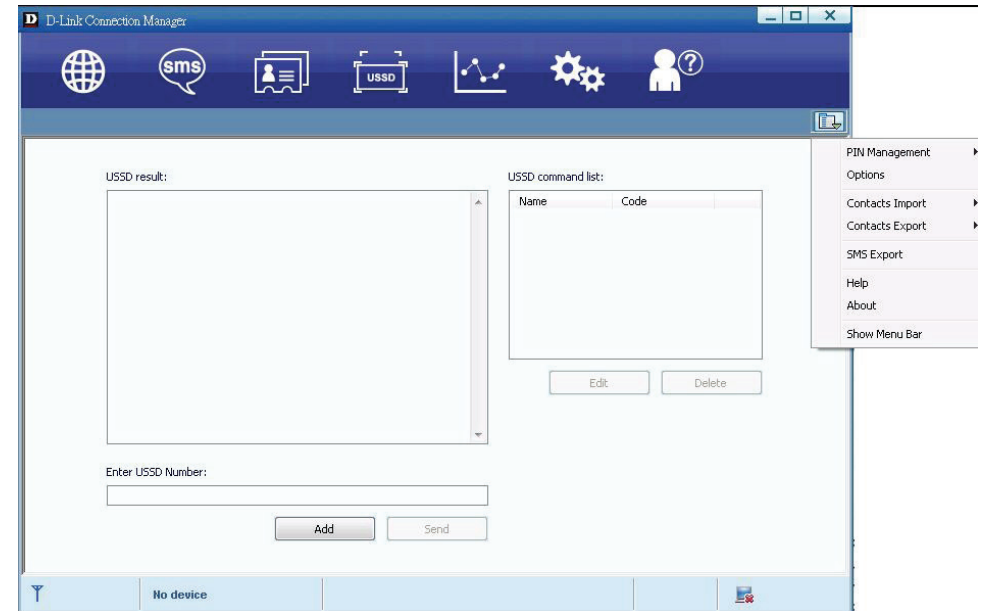
2. Options (also can use ![icon])

- General

  You may choose the alert tone when connected/disconnected to the internet.

- Text Message Setting

  - You may active the message alert tone, and also can set up your favorite tone via selecting a *.wav file in the PC.

  - The number showed in the SMS center is read from the (U)SIM card automatically; modification is not recommended;

Note: SMS would not work with the wrong SMSC. Contact with the service provider to get the correct SMSC. You may select the period in the drop-box, it specifies the validity which the message would save in the network;

Note: The validity setting of SMS should be supported by the network.

- Network
  - Network Type
    - You can choose **Auto** or **Only UMTS/HSPA** or **Only GPRS/EDGE**. The device will register network according to the selected mode.
   - The default mode is **Auto**.
  - Registration Mode
    - **Auto search and register** is set as default value;
    - Select **Manual search and register** before dialing, available networks will be listed when finished;
    - Select an available network and click **Register**, and then the device will try to register.

- Statistics
  - You can get the statistics of daily/weekly/monthly/yearly report on downloading/uploading/connection time
- Diagnostic
- Language Selection
  - You can choose the different language UI
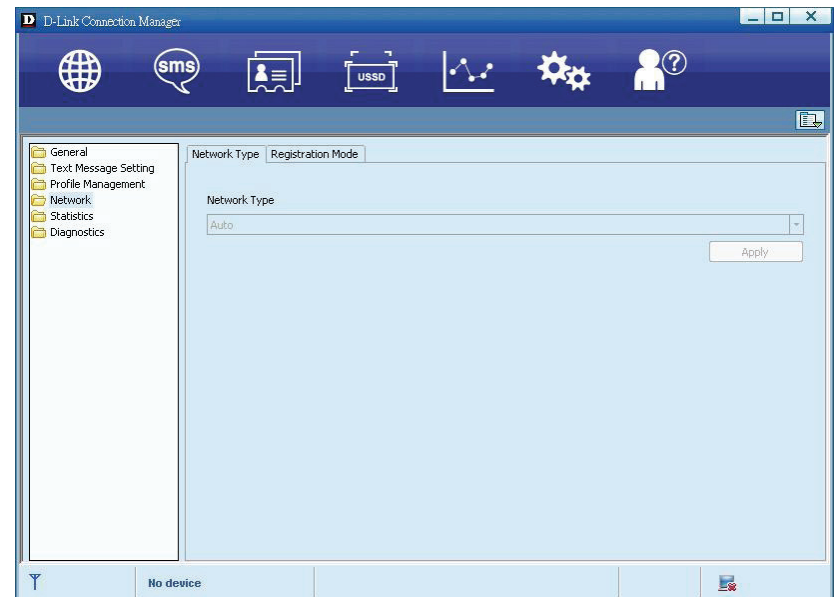
3. Contacts Import

For more details, refer to Internet Contacts-4.

4. Contacts Export

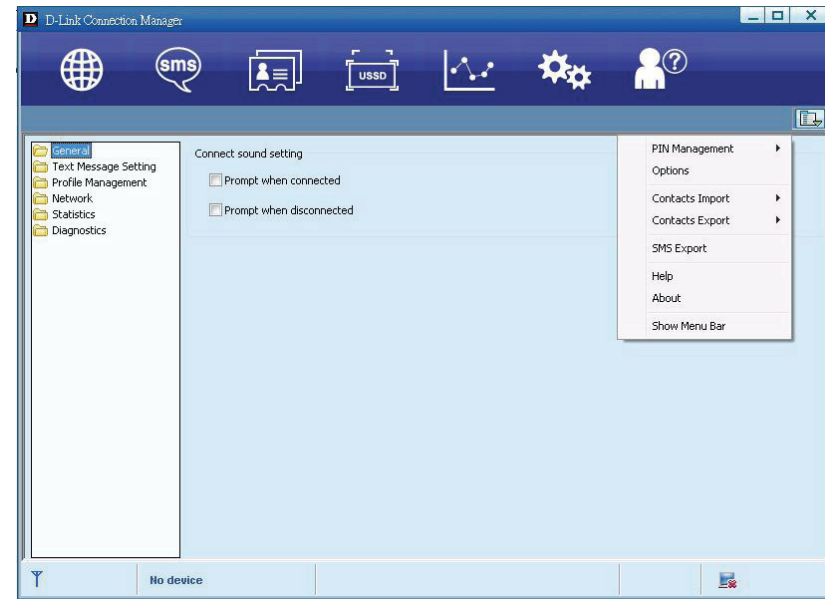For more details, refer to Internet Contacts-5.

5. SMS Export

For more details, refer to Internet Text Message-5.

6. Help & About

- Help: To open the User Manual

- About: To get the Connection Manager information.

7. Show Menu Bar

- You can display/not display the Menu Bar

FAQ & Answers

If you meet problems in service, please refer to the following answers for guidance. If the problems persist, please contact your supplier via the contact detail in your operator user guide.

Problem Description	Possible Causes	Problem Solving
The system can not run the installation program automatically	The system configuration is having difficulty with the auto-run software.	The device will appear as a virtual disc in 'My Computer' on the PC's start menu. Click on the icon and start the autorun.exe. If you have previously installed a version of the program, please uninstall it first.
After installation, the system doesn't install the driver program properly.	The system configuration is having difficulty with the auto-run software.	Please install the driver program manually. The driver program can be found in the installation folder; C:\Program Files\ D-Link Connection Manager\drivers
After the device is plugged in, the UI program doesn't run automatically.	The system configuration is incorrect.	Please open the Connection Manager manually. You can find it in the Start menu: ¨C:\Program menu or an alias icon on the desktop.
After restarting the computer, there is no signal indicated.	1. You are in the 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. The device is not properly connected.	2. Close the device safely as usual, pull out the device and reinsert the device again.
	3. The SIM/USIM card isn't inserted properly.	3. Remove and reinsert the SIM/USIM card correctly.
	4. The D-Link dongle is positioned in such a way as that adversely affects the devices signal reception.	4. Adjust the angle / position of D-Link dongle or its proximity to other electronic devices.

Sent Message failure.	1. The SMS center number is incorrect.	1. Your device is preconfigured so it is unlikely that it will need changing. However if it is missing or incorrect contact your operator.
	2. The network is busy or you are in an area with no signal.	2. 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 in the "Connection Settings".
	4. The device data is corrupted.	4. Local network access or the target server maybe 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.
Connected to the Internet, but it cannot open any website page.	1. After connection, you are unable to open web pages.	1. Check that the APN in the configuration files is correct.
	2. IE browser is causing problems.	2. Upgrade to the new version or reinstall the IE browser.
	3. Your operating system maybe infected by a virus. Worm Blaster for example can affect upload and downloaded data flow, resulting in an inability to access a website.	3. Use the professional anti-virus software to check and remove the virus.
	4. You have connected to an APN which cannot connect to the Internet.	4. 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.

Technical Specifications

GSM Band (GSM/GPRS/EDGE)
Quad-band 850/900/1800/1900 MHz
Power Class 4 (850/900 MHz)
Power Class 1 (1800/1900 MHz)

UMTS/HSDPA/HSUPA/HSPA+
900/2100 MHz
Power Class 3 (+24 dBm)

HSUPA Data Rates[2]
Downlink: Up to 21 Mbps
Uplink: Up to 5.76 Mbps

Antenna
Internal 3G main antenna

LED Status Indicators
1 Signal LED
Red (Solid On): No SIM card/ Error
Green (Solid On): register network (not connect)
Green blinking: Connected to network

Dimensions (L x W x H)
89.2mm x 25.9mm x 10.7mm

Operating Humidity
Operating Temperature: -10 to 45° C
Storage Temperature: -20 to 65° C

Certifications
CE

FCC

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