![Telit wireless solutions]

UC-CC864/DE-CE910/UE910-V2/HE920/HE910-V2 Windows 2000, Xp, Vista, 7 and 8 Driver

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Making machines talk.

APPLICABILITY TABLE

PRODUCT
UC864 Family
CC864 Family
DE910 Family
CE910-DUAL
HE920
UE910-V2 Family
HE910-V2 Family

SW Version
U8.00.05

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Contents

1. Introduction

1.1. Scope

This document should provide information needed to install the USB drivers for Telit modules.

1.2. Audience

This User Guide is intended for users who need to install and use UC864, CC864, DE910, CE910, UE910-V2, HE920 or HE910-V2 Telit modem.

1.3. Contact Information, Support

For general contact, technical support, to report documentation errors and to order manuals, contact Telit Technical Support Center (TTSC) at:

TS-EMEA@telit.com
TS-NORTHAMERICA@telit.com
TS-LATINAMERICA@telit.com
TS-APAC@telit.com

Alternatively, use:

http://www.telit.com/en/products/technical-support-center/contact.php

For detailed information about where you can buy the Telit modules or for recommendations on accessories and components visit:

http://www.telit.com

To register for product news and announcements or for product questions contact Telit Technical Support Center (TTSC).

Our aim is to make this guide as helpful as possible. Keep us informed of your comments and suggestions for improvements.

Telit appreciates feedback from the users of our information.

1.4. Product Overview

UC864 modules contain a fully featured HSDPA modem and UMTS/GSM/GPRS module, compatible with the other Telit GSM/GPRS modules.

CC864 modules contain a fully features CDMA modem compatible with the other Telit GSM/GPRS modules.

The DE910-DUAL module is a dual band 1xEV-DO Rev. A 3G wireless module supporting downlink data rates up to 3.1 Mbps and uplink data rates up to 1.8 Mbps. It is pin-to-pin compatible with HE910 HSPA modem.

The CE910-DUAL is a dual band 1x RTT wireless module supporting up/down link data rates up to 153.6kbps. It is designed to have the same form factor of its GSM/UMTS/HSPA/EVDO counterparts of the xE910family: GE910, HE910 and DE910-DUAL.

The HE920 is a tri-band HSPA member of the Telit xE920Automotive form factor family. It is a 3.5G wireless data module offering HSPA connectivity with download speeds up to 14.4 Mbps, upload speeds up to 5.76 Mbps;

The UE910-V2 product family is a new member of the 910 family. It offers an HSDPA module, dual-band, designed on the xE910 LGA unified form factor. The UE910-V2 is a "voice capable" device, featuring both analog or digital audio, but available also as data-only variant. In addition to pin-to-pin compatibility, also the AT command interface is fully compatible with the companion HE910 module.

The HE910 V2 modules are small, lightweight, low power consumption devices which combine the access to digital communication services in 2G and 3G networks with Land-Grid Array (LGA) form factor.

1.5.   Document Organization

This manual contains the following chapters:

"Chapter 1, Introduction" provides a scope for this manual, target audience, technical contact information and text conventions.

"Chapter 2, Requirements" describes requisites for install Telit UC/CC 864 and DE/CE/UE 910 USB driver in a PC with Windows 2000, XP, Vista and 7 OS installed.

"Chapter 3, USB Driver download and Installation" describes how to add the Telit UC/CC 864 and DE/CE/UE 910 USB driver in a PC with Windows 2000, XP, Vista and 7 OS installed.

"Chapter 4, Dial-Up Connection" describes how to use the Telit UC/CC 864 and DE/CE/UE 910 USB driver for start a dial-up connection.

"Chapter 5, Known limits" describes the driver known limits

1.6.   Text Conventions

Danger – This information MUST be followed or catastrophic equipment failure or bodily injury may occur.

Caution or Warning – Alerts the user to important points about integrating the module, if these points are not followed, the module and end user equipment may fail or malfunction.

Tip or Information – Provides advice and suggestions that may be useful when integrating the module.

All dates are in ISO 8601 format, i.e. YYYY-MM-DD.

This section lists the paragraph and font styles used for the various types of information presented in this user guide.

Format	Content
`Arial monospaced`	Filesystem paths, and Windows Xp, Vista and 7 OS menu items

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2.   Requirements

Below there are the HW and SW requirements to install UC/CC864, DE/CE910, UE910-V2 or HE920 module:

- PC Windows 2000, XP, Vista, 7 or 8 OS installed,
- UC/CC864 or DE/CE910 or UE910-V2 or HE920 or HE910-V2 module;
- UC/CC864 or DE/CE910 or UE910-V2 or HE920 of HE910-V2 USB Drivers, to get the driver please contact Telit Support:
  - EMEA: TS-EMEA@telit.com
  - NorthAmerica: TS-NorthAmerica@telit.com
  - LatinAmerica: TS-LATINAMERICA@telit.com
  - APAC: TS-APAC@telit.com

3. USB driver download and installation

3.1. Installation

The following list of files needs to be available on the PC used for the installation procedure:

- TelitUSBInstaller_Qc_xx.xx.xx.zip (xx.xx.xx depends on the version)

To install the USB driver follow these steps:

1. Download driver archive and uncompress it in a specific directory (e.g. c:\Telit_Usb_driver) where the installer executable can be found
2. **If connected, disconnect the module from the PC. If installed, uninstall previous versions of the driver using following steps:**
   a. **Start → ControlPanel;**
   b. **Double click on "Add or Remove Programs";**
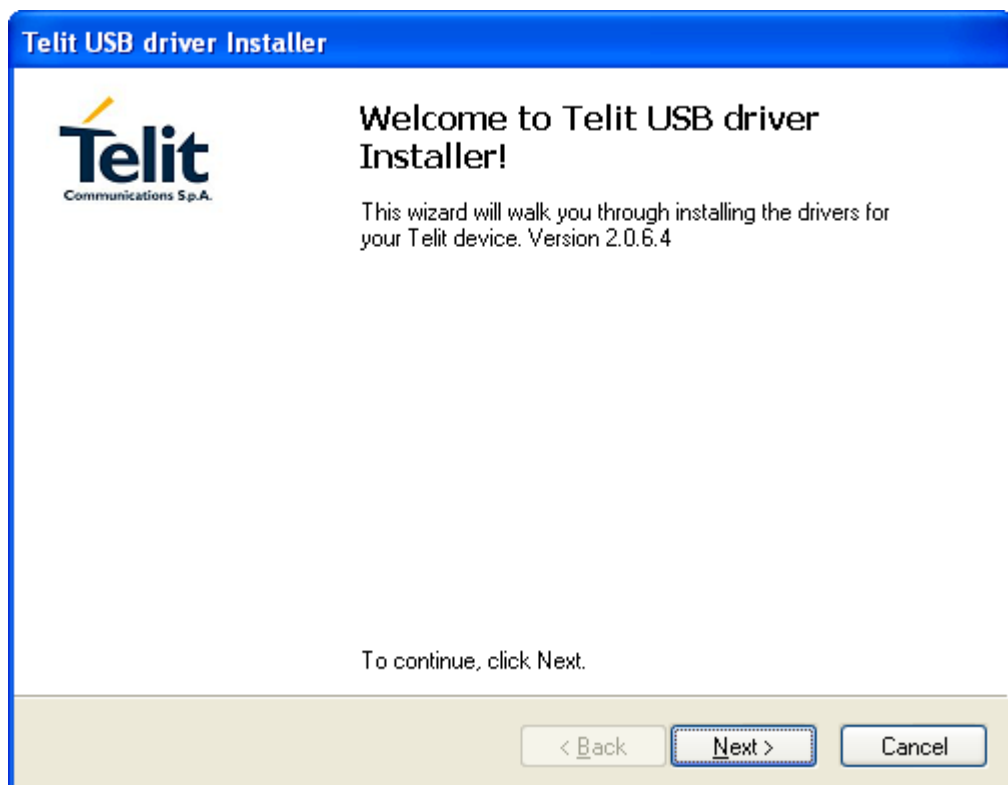   c. **Scroll down until "Windows Driver Package – Telit (Telit_XXX)... "**
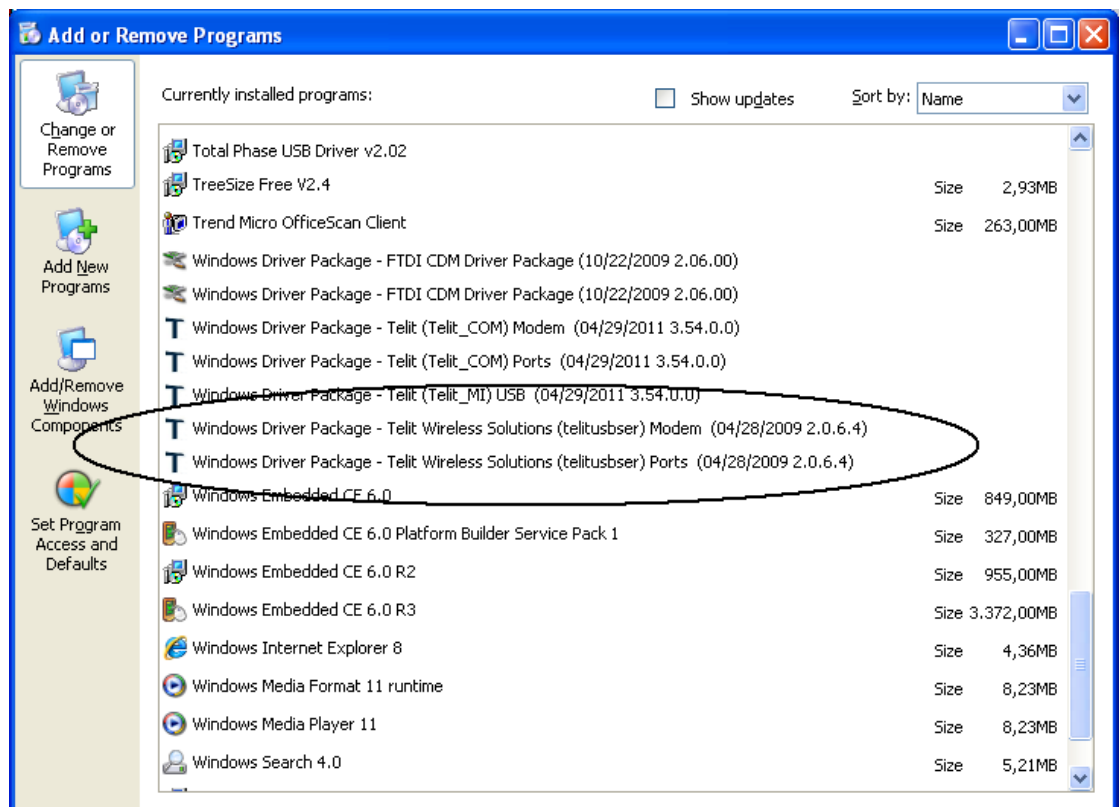
   d. **Firstly, select "Windows Driver Package – Telit Wireless Solutions (telitusbser) Modem" and press on "Change/Remove" button.**
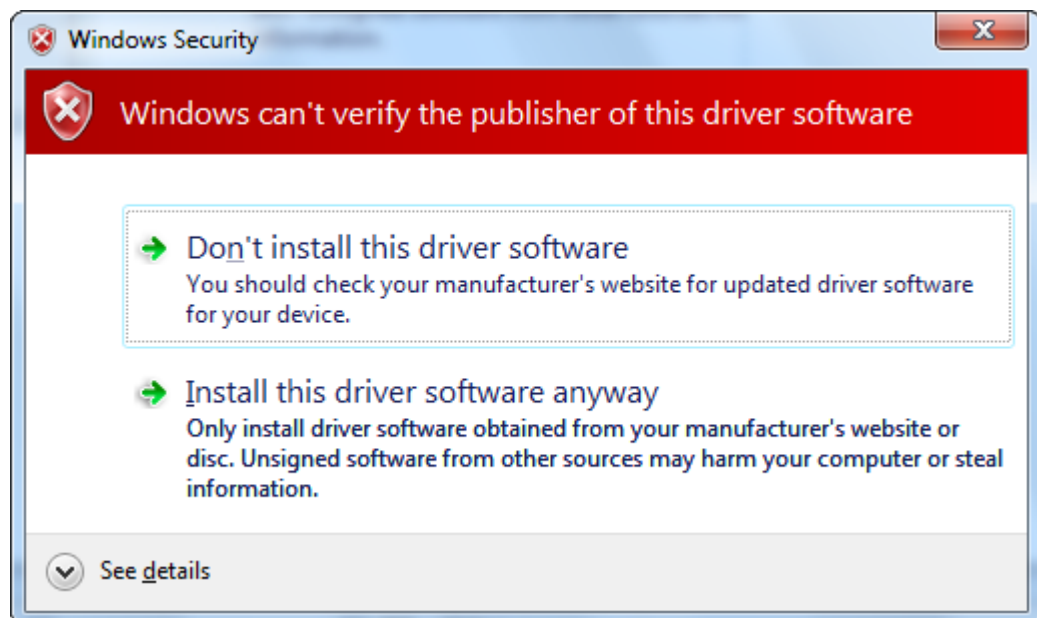   e. **The following window will appear, press Yes:**

       f. Now remove the Ports driver.

3. Run the installer and follow the instructions

If there appears one of the following windows click *"Continue anyway"* or *"Install this driver software anyway"*

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4. After finishing the installation connect the module to the PC using the USB cable: the procedure *"Found new hardware wizard"* will start. If requested, don't let Windows connect to Windows Update and choose *"Install the software automatically (Recommended)"*.

At the end of the installation a modem device and some COM ports (depends on the module) are finally installed in the system:

a) Telit HSDPA USB Modem

b) Telit Auxiliary Port

c) Telit Diagnostic Interface

d) Telit NMEA Port
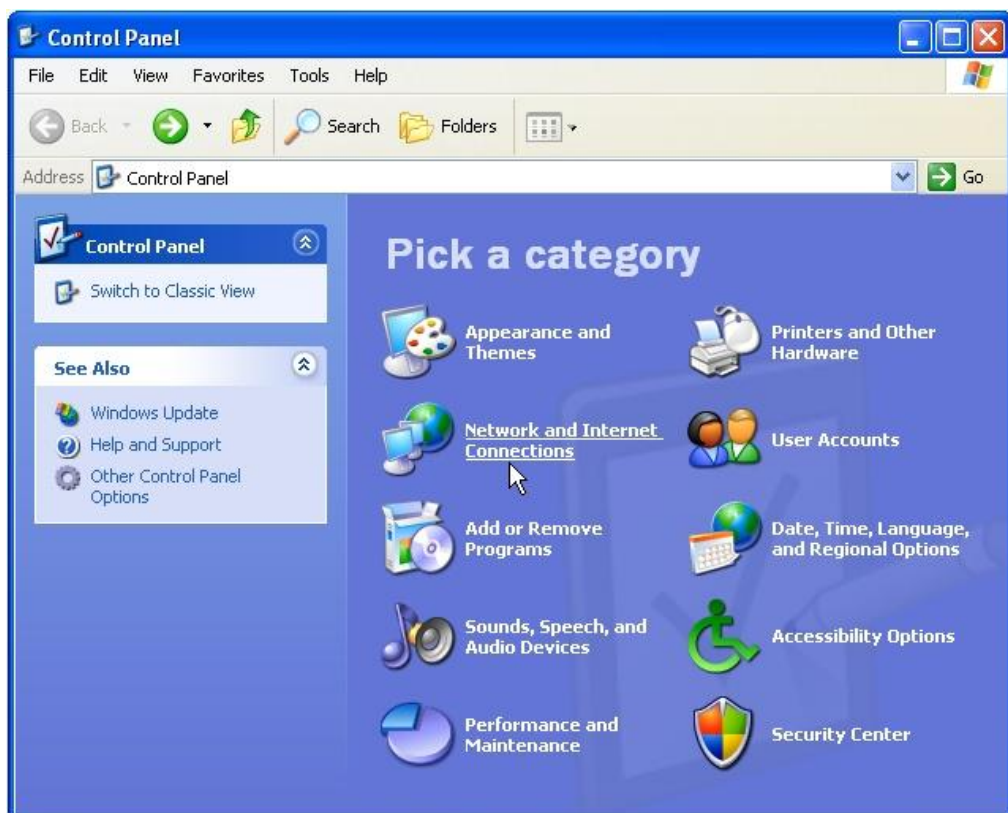
e) Telit Data Link Port (only with AT#USBCFG=1)

4.   Dial-Up Connection

4.1.   Creation of dialup connection on Telit USB Modem Port

To create a Dial-Up connection:

1. Click on `Start->Control Panel`. Then click on "`Network and Internet connections`" as shown in the following picture.
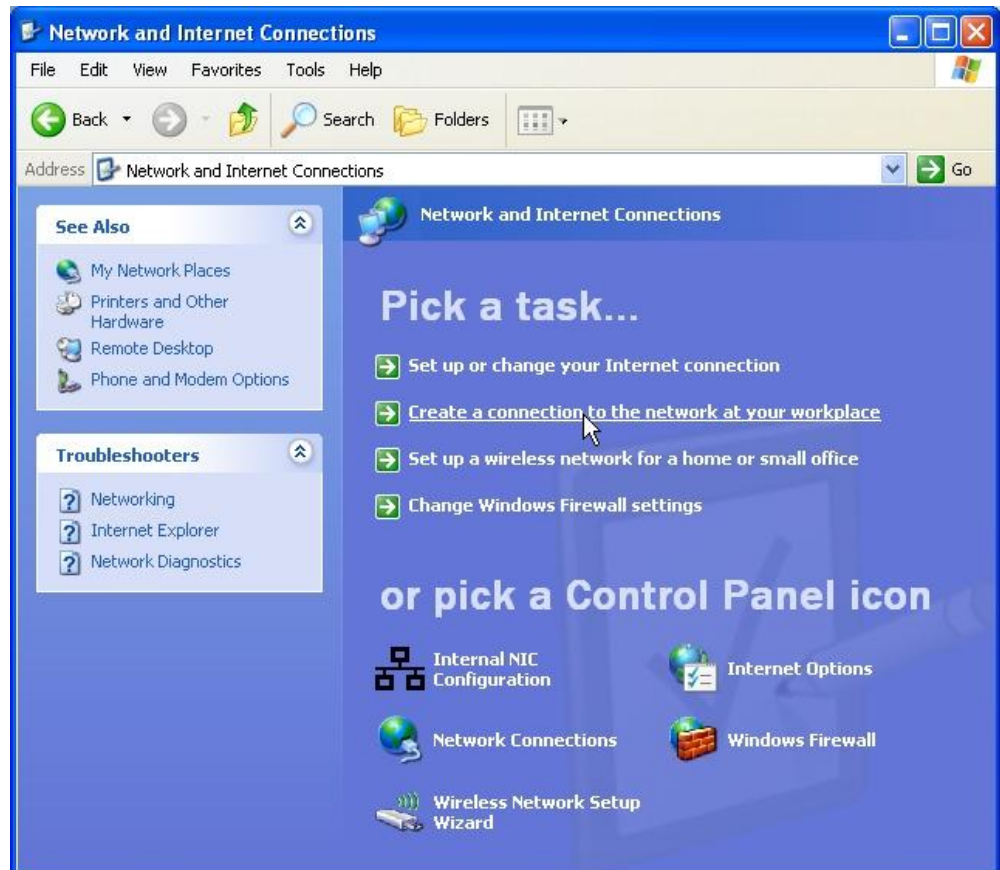
2. Click on “Create a connection to the network at your workspace”

3. Tick “Dial-up connection” checkbox, then click “Next”.

4. Check the "**Modem – Telit HSDPA USB Modem**" then click "**Next**" checkbox. Please note that the example reported is related to the installation of one of the Telit Uc864 modules.
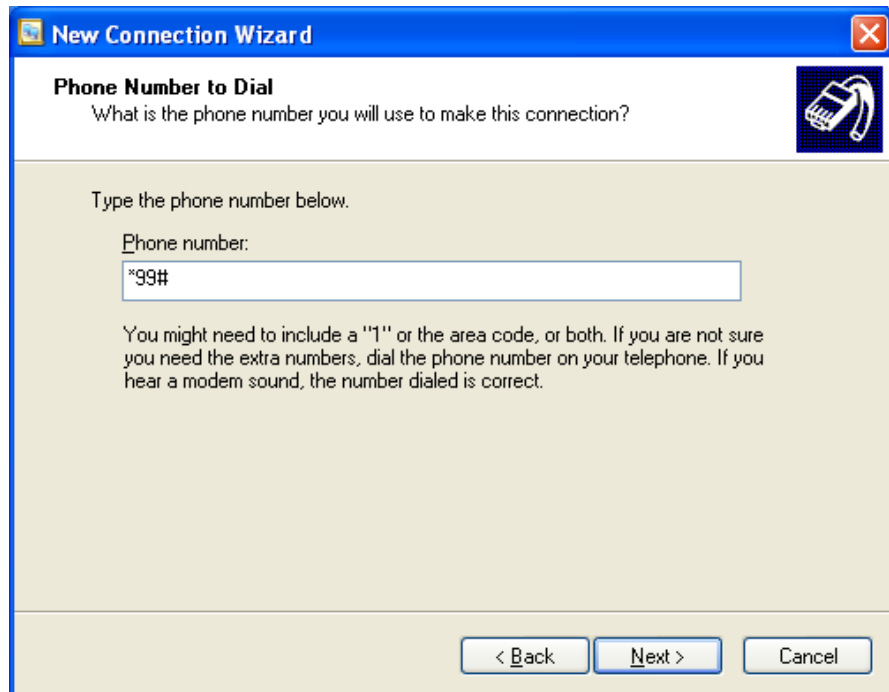

5. Type a name for the new connection then click "**Next**"

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6. Type the phone number ("***99#**" for UMTS modules or "#777" for CDMA modules)
    then click "**Next**".

7. Tick "**Do not use my smart card**" radio button then click "**Next**"

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8. Check "Add a shortcut.." checkbox then Click "Finish" to complete the procedure.
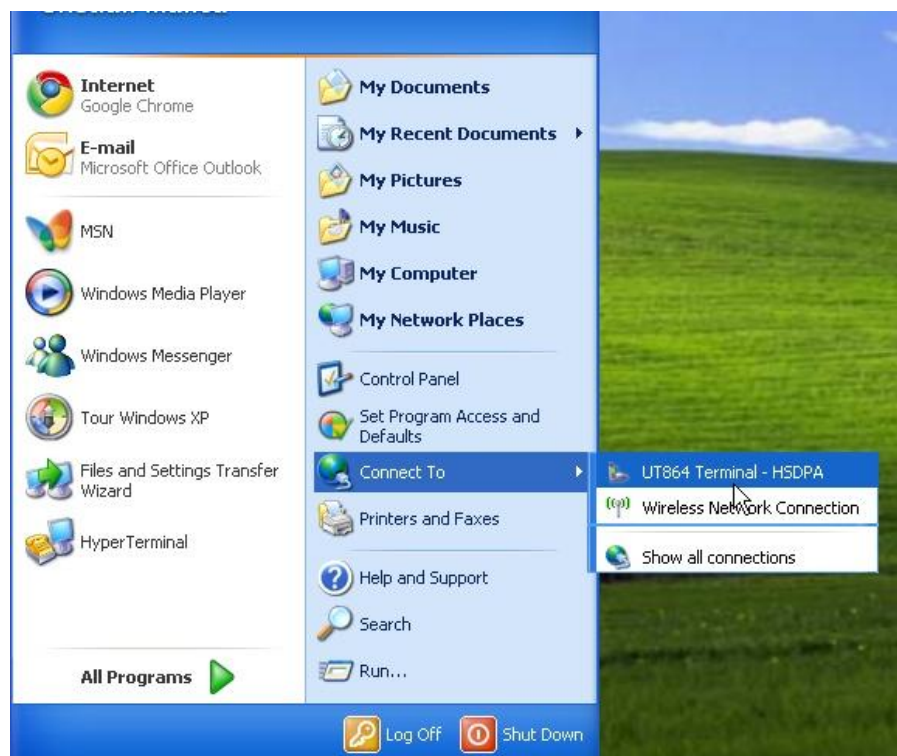
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4.2.   Connect using Dial-Up (USB mode)

To connect using the Dial-Up click twice on the icon in the desktop,

or click StartàConnect toàUC864 Terminal – HSDPA

Click "Dial" in "Connect UC864 Terminal" window

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The windows below should appear, and after them the connection is active.

Browse the Internet to check that connection is available.

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5.   Known limits

Windows crashes if you connect two UC864 (two products with the same PID&VID) at the same time to two different USB hubs.
To resolve this issue you have to install the key

[HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\UsbFlags]
        "IgnoreHWSerNum1BC71003"=hex:01

before the device installation.
With this key Windows installs new ports for each USB port where you connect a device.
In windows 7 64bit the system doesn't crash. The first device connected uses the first ports installed and the second device installs new ports.

6.　　　Document History

Revision	Date	Changes
0	2012-01-09	First issue
1	2012-06-11	Update document for CE910
2	2012-12-06	Update installer version to U8.00.03
3	2013-01-17	Added CDMA #777 dial up phone number
4	2013-03-18	Update installer version to U8.00.04 and added HE920 support; Added Known limits paragraph
5	2013-05-02	Update installer version to U8.00.05 and added UE910-V2 support (Draft Version); Added HE910-V2
6	2014-03-06	Added DLink port