



CDU-685 Modem Installation Guide

CDU-685 Modem Installation

CDU-685 Modem software can be installed on computers with Windows 2000, Windows XP, Windows Vista operating systems.

In this manual we describe installation procedure for Windows XP operating system.

Setup

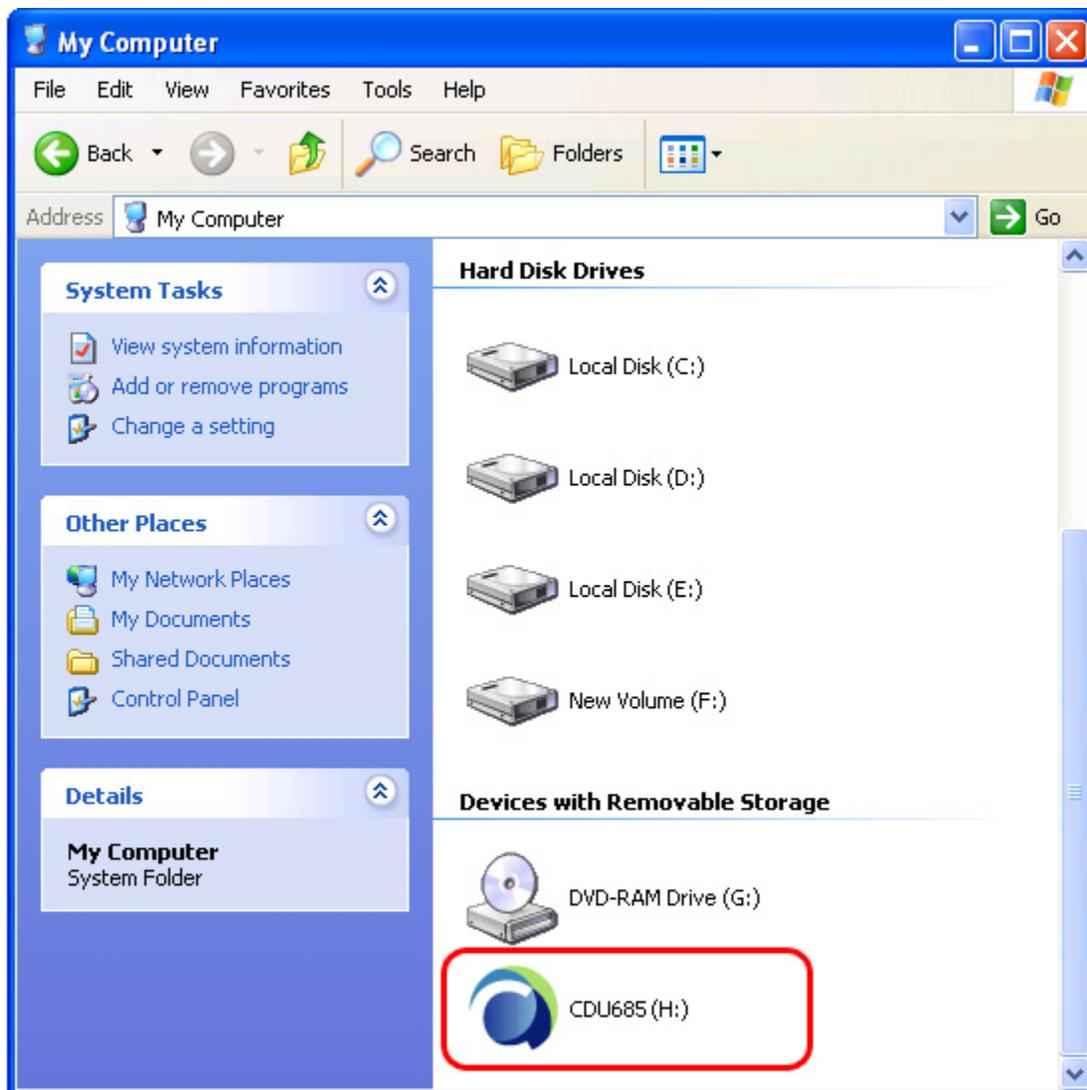
Make sure you are logged on as administrator.

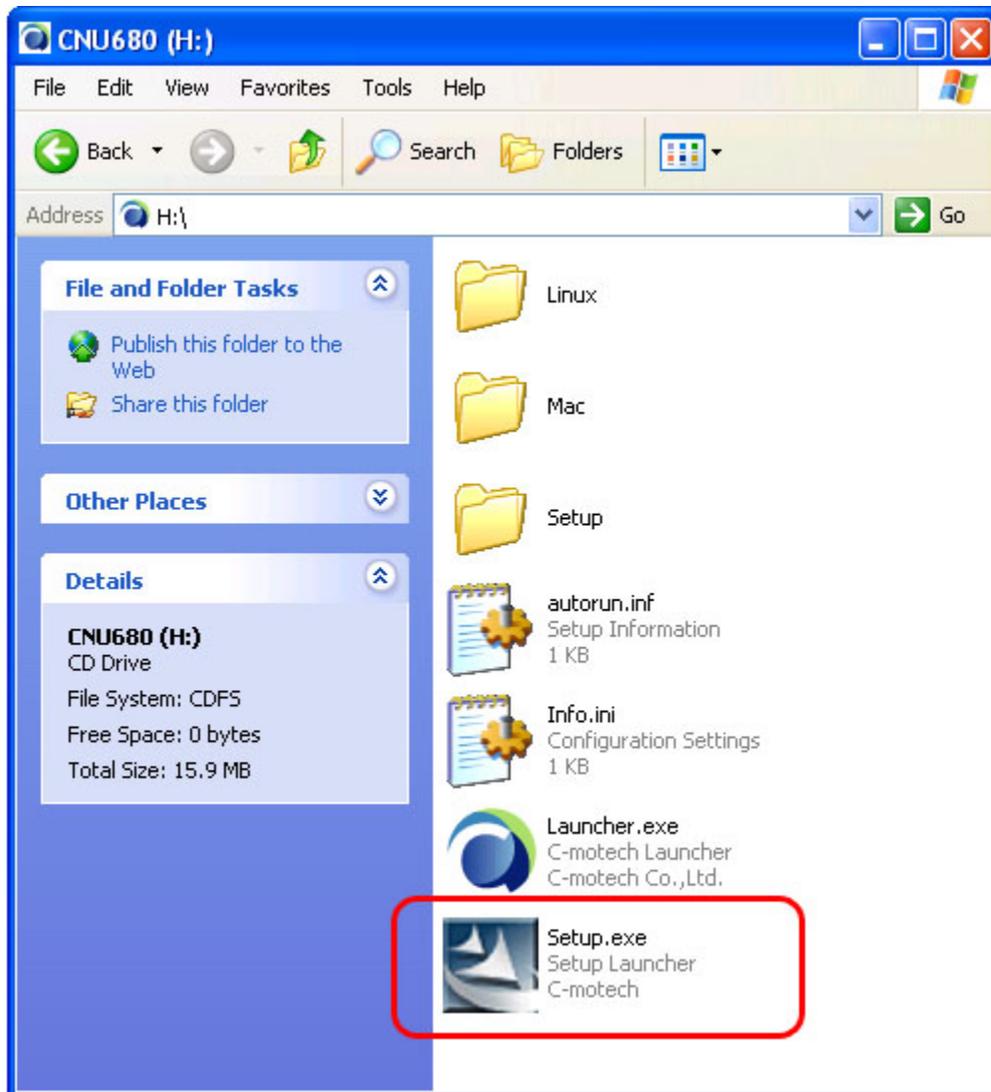
(If you have previous versions of CDU-685 software installed on your computer, uninstall them using Control Panel / Add or Remove Programs. During uninstall keep the modem unplugged from your computer.)

Plug your C-motech CDU-685 Modem into any USB port of your computer.

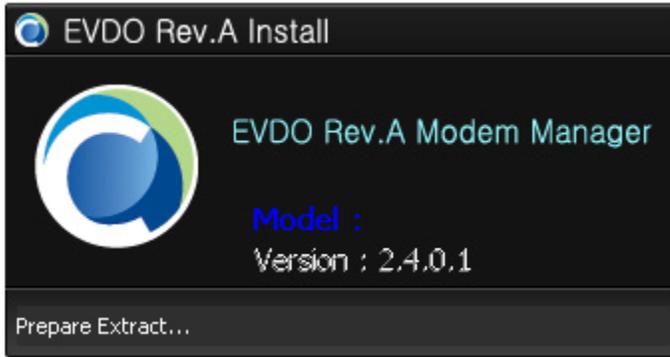
This will automatically launch the installation and install required drivers plus C-motech CDU-685 User program.

If automatic installation is not working, please double click the Setup.exe located on the virtual "CD Drive" in modem's flash memory:

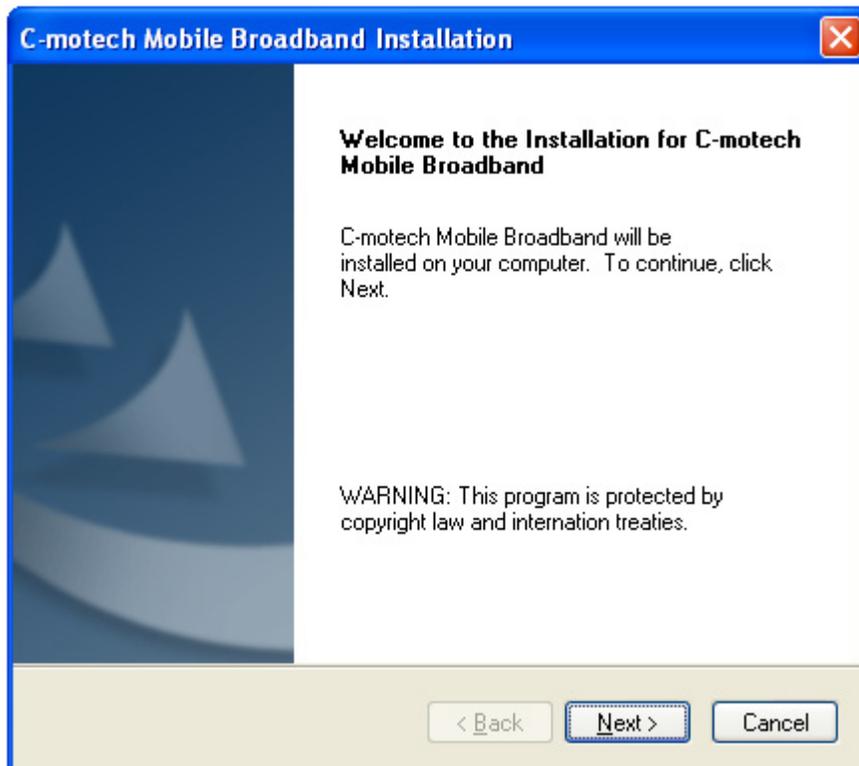




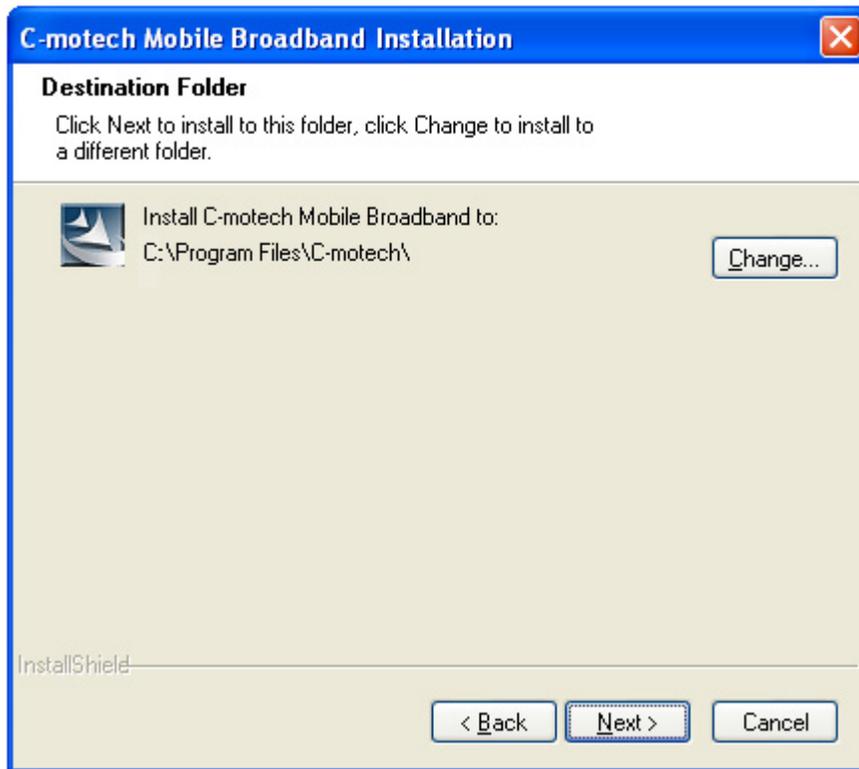
Setup process may last several minutes. Follow instructions on computer screen. After installation is complete, please wait till all drivers are installed. During entire installation process do not unplug the modem from USB port of your computer.



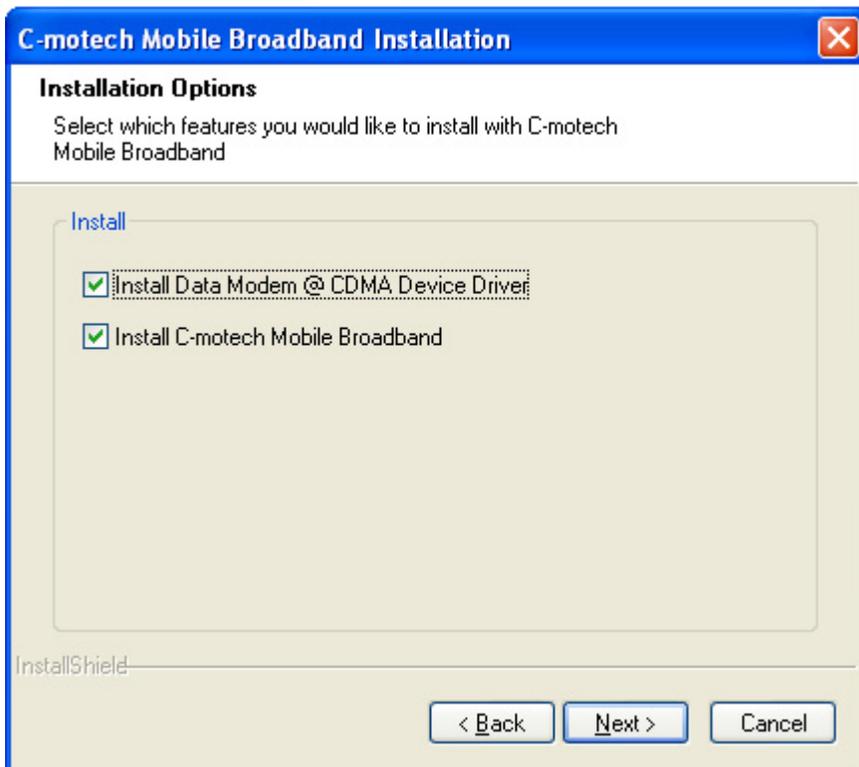
Install Shield Wizard... click 'next'



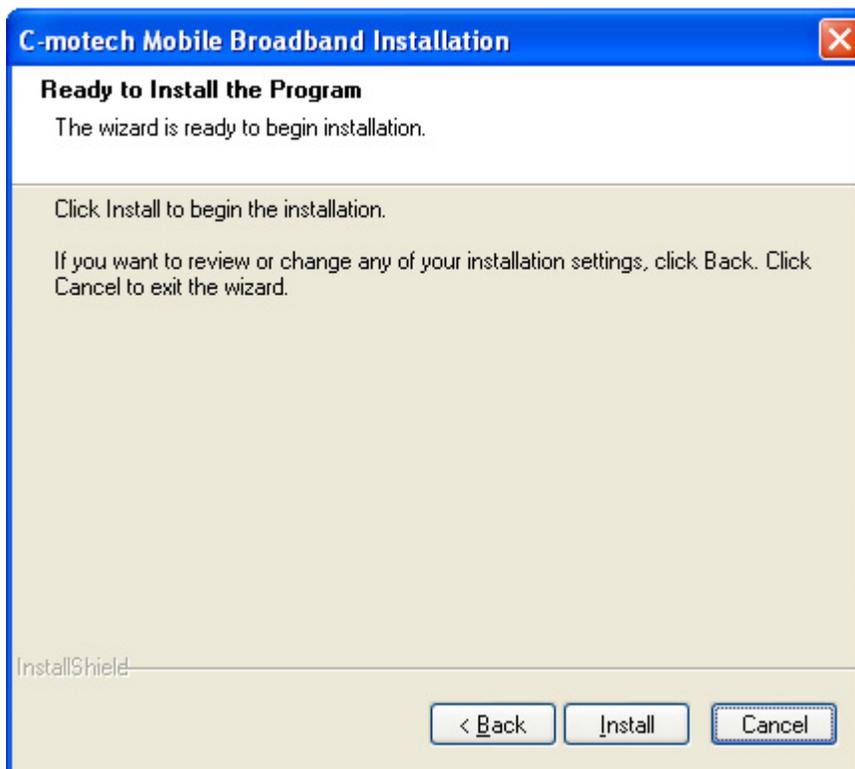
Choose the installation directory and click "Next" to continue.



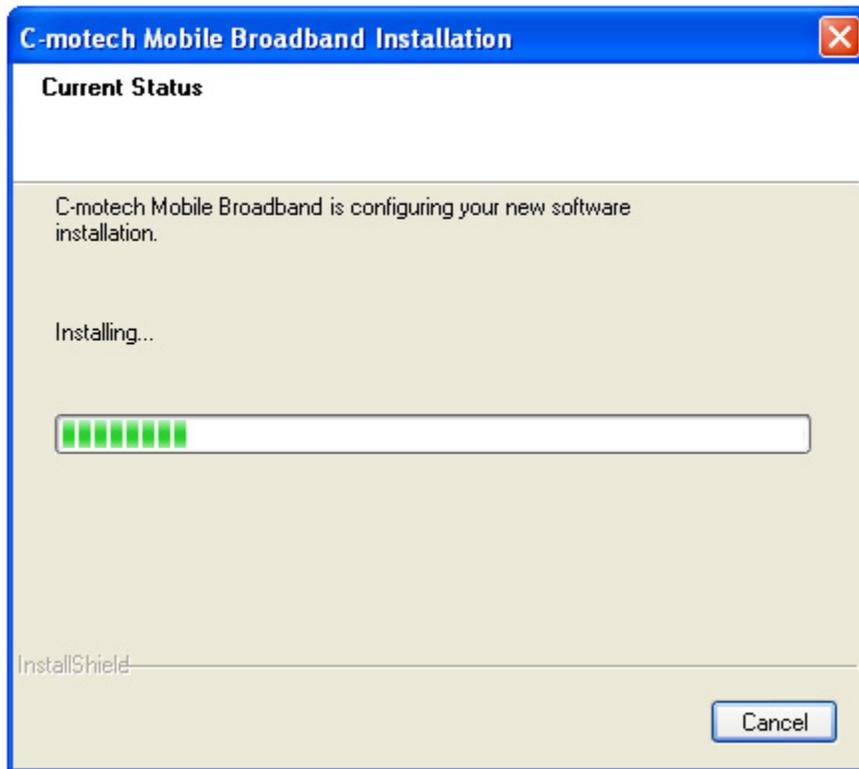
Click "Next" to continue.



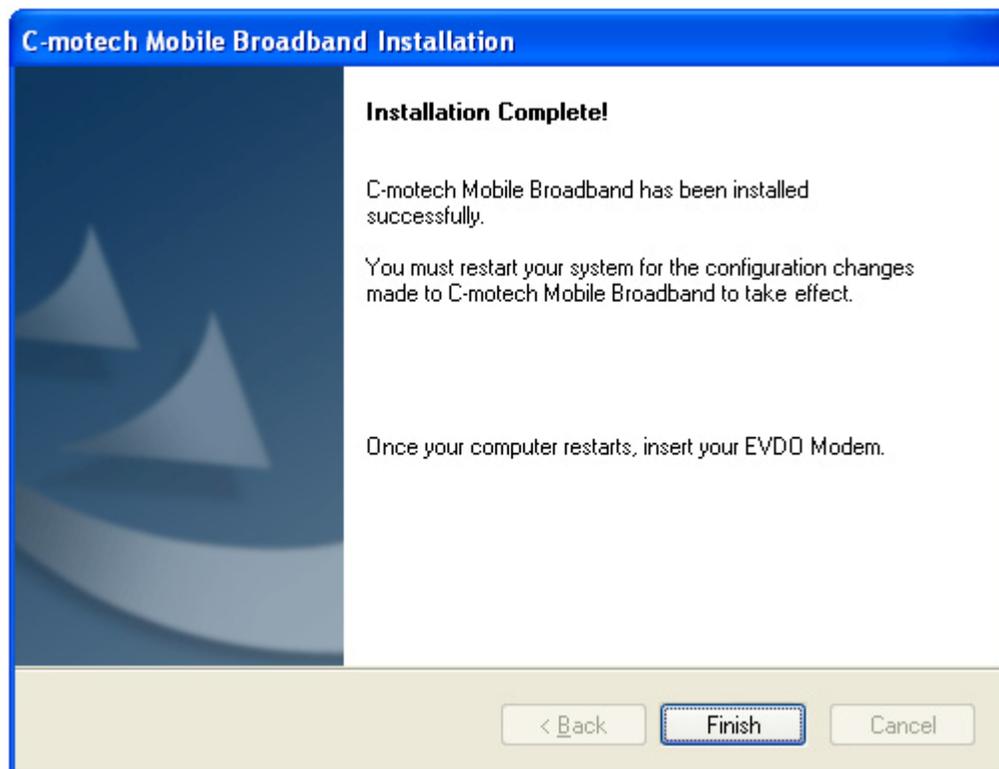
Click "Install" to continue.



C-motech CDU-685 Modem is configuring your new software installation and copying files.



Installation Complete. Click "Finish".



Please wait until all drivers are installed. This may take a few minutes. During this time do not unplug the modem from USB port of your computer:

Step 1 - CMOTECH CDMA Technologies Install



Step 2 - USB Data Modem Driver (CMO6004) Install



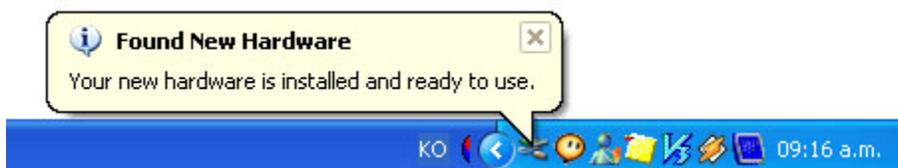
Step 3 - USB Serial Port Driver (CMO6004) Install



Step 4 - USB Serial Port2 Driver (CMO6004) Install



Modem Driver Install Finished



**Franklin Connection Manager
User Guide
CDU685 USB Modem**

Using the Franklin Modem Application Software

During this installation a Shortcut will have been placed on your desktop for the Franklin Data Modem Application software.



On start of the Application Software, the first screen you will see is the Main window.

Main



Indicator state Icons

Icon	Meaning	Icon	Meaning
	Antenna / Signal Strength	H 1X	Current High Data Rate mode selected
R	Roaming	EV 1X 2G	Coverage Icon
DOR0 DORA	EV-DO Rev. 0 / Rev. A	1X : , DOr0 : , DOrA :	Active Data connection

Taskbar Icon



Connection

Click the 'Connect' button. The Application Software will start dialing when the  button is clicked.



Verifying User.



You can see above window's black arrow with red color icon. This arrow icon is shown on connection.

Warning: If you install Windows XP service pack 2, you must turn off firewall in Window security center.

If you try connecting with turn on firewall, you can see connecting fail.

Click the Windows taskbar's shield - shaped Yellow icon, you can see Window Security center

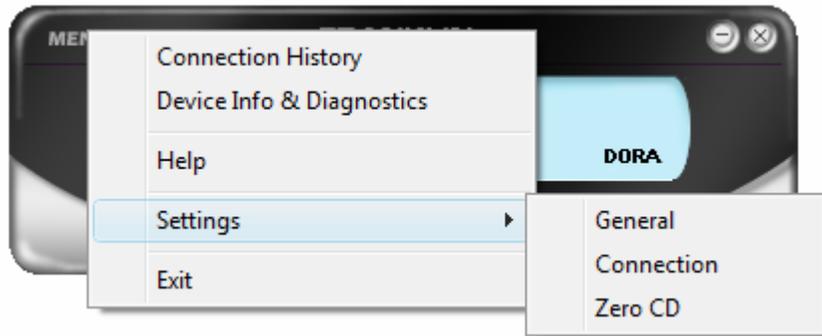


To Disconnect

Clicking the disconnect button <STOP> on the Main window or Dial up slide window, will disconnect the dialup connection and the modem will switch to idle mode.



Option



Connection History: The User Data Counter will continuously accumulate on each session and will only clear when "Clear" is clicked.

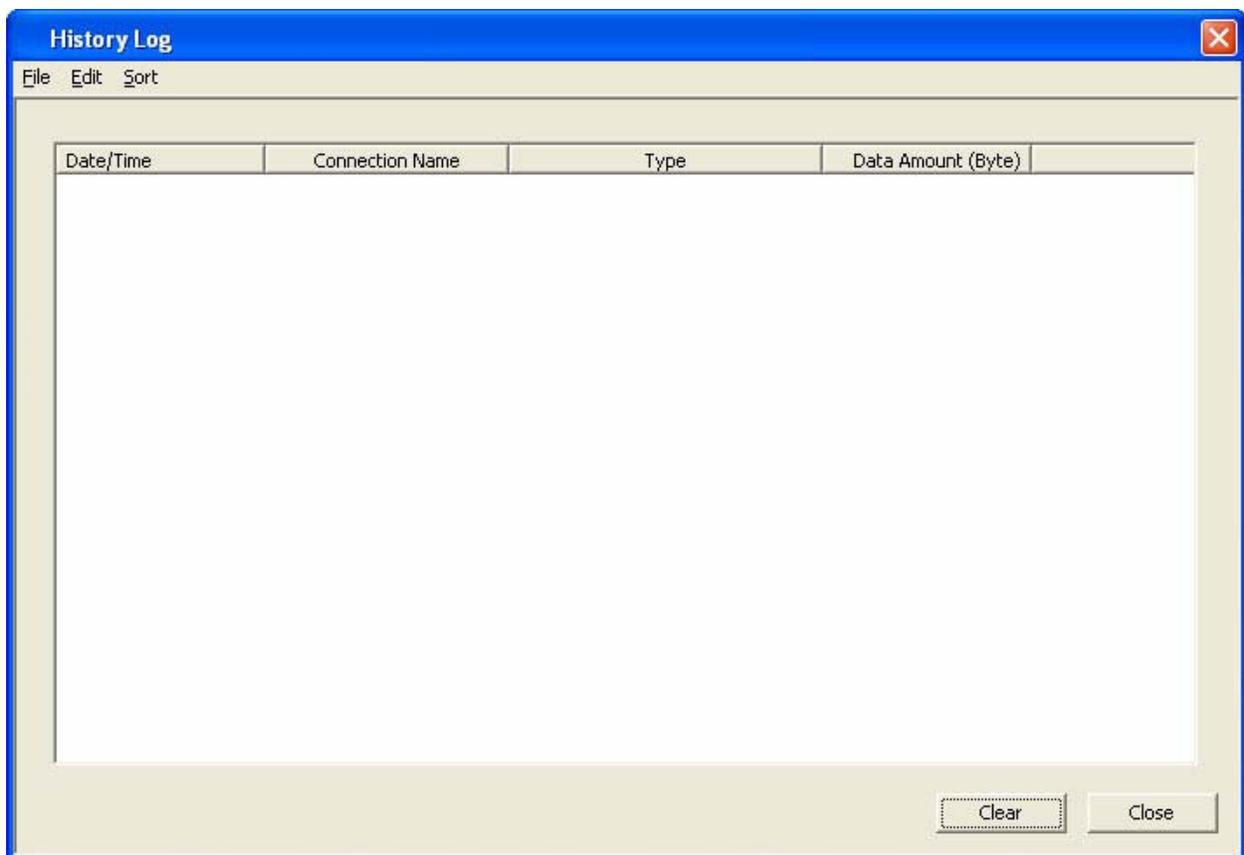
Device Info Diagnostics: You can use this window to get information about your 1xEV-DO devices.

Help

- Setting - General**
- **Connection**
 - **Zero CD**

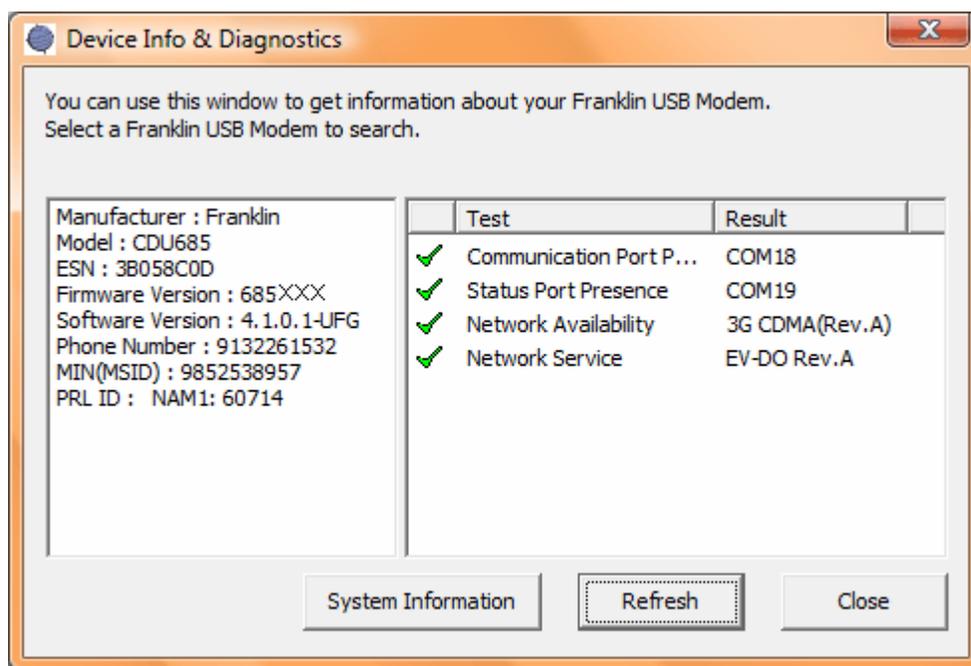
CONNECTION HISTORY

The User Data Counter will continuously accumulate on each session and will only clear when "Clear" is clicked.



Device info Diagnostics

You can use this window to get information about your Franklin CDU685 device.



System Information

System Information

System Parameter

OS : Microsoft Windows XP
Version : Professional
Version : Service Pack 2 (Build 2600)

Driver Information

Driver : C:, Name : \Device\HarddiskVolume1
Driver : D:, Name : \Device\HarddiskVolume2
Driver : E:, Name : \Device\CdRom0
Driver : F:, Name : \Device\Harddisk1\DP(1)0-0+32
Driver : G:, Name : \Device\CdRom1

Hard Disk Information

Installed Files

[Driver]/[Directory]/[Filename]
Files Path : C:\Program Files\Carrier\CDU680\Bin\AutoUpdater.exe
Creation Date, Time : 2007/07/20 , 09 : 24 : 45

Files Path : C:\Program Files\Carrier\CDU680\Bin\bmapi.dll
Creation Date, Time : 2005/01/25 , 04 : 06 : 24

Files Path : C:\Program Files\Carrier\CDU680\Bin\bmctl.exe
Creation Date, Time : 2005/01/25 , 06 : 19 : 24

Files Path : C:\Program Files\Carrier\CDU680\Bin\bmimg.dll

Device Info and Diagnostics

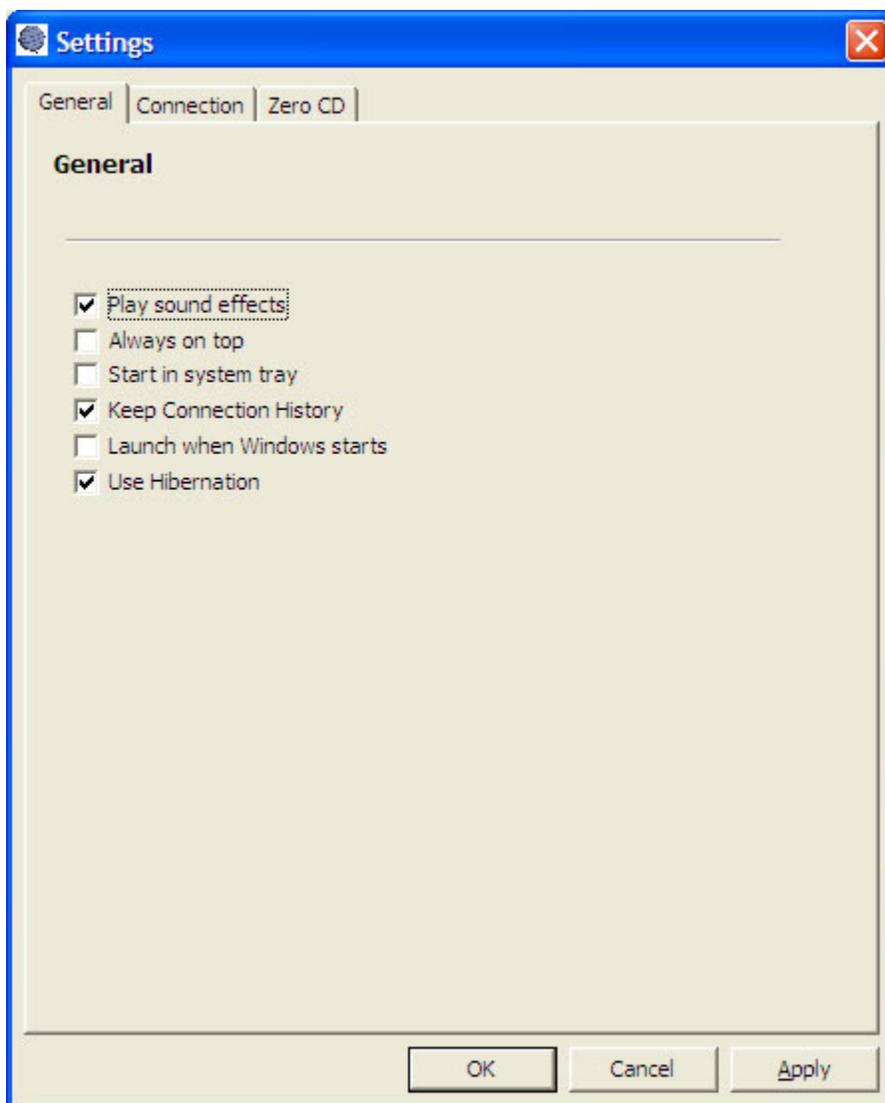
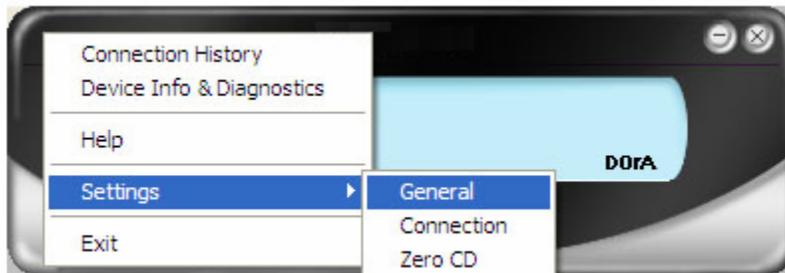
Manufacturer : Franklin
Model : CDU685
ESN : 3B09D8AA
Firmware Version : 68XXXX
Software Version : 3.1.0.0-XXX
Phone Number : 5555555555
MIN(MSID) : 0595240780
PRL ID :
 NAM1 : 271

Communication Port Presence test was Successful. [COM6]

OK

Create Report

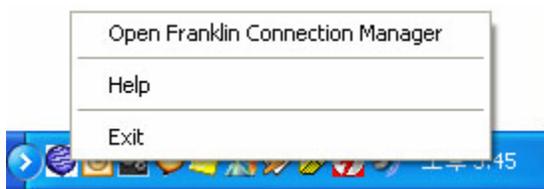
General



1. Play sound effects

2. Always on top

3. Start in system tray



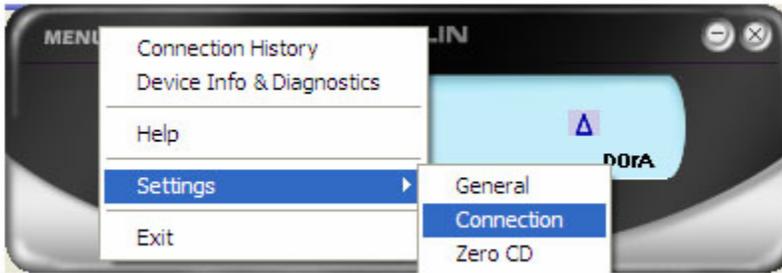
4. Keep Connection History

5. Launch when Windows starts

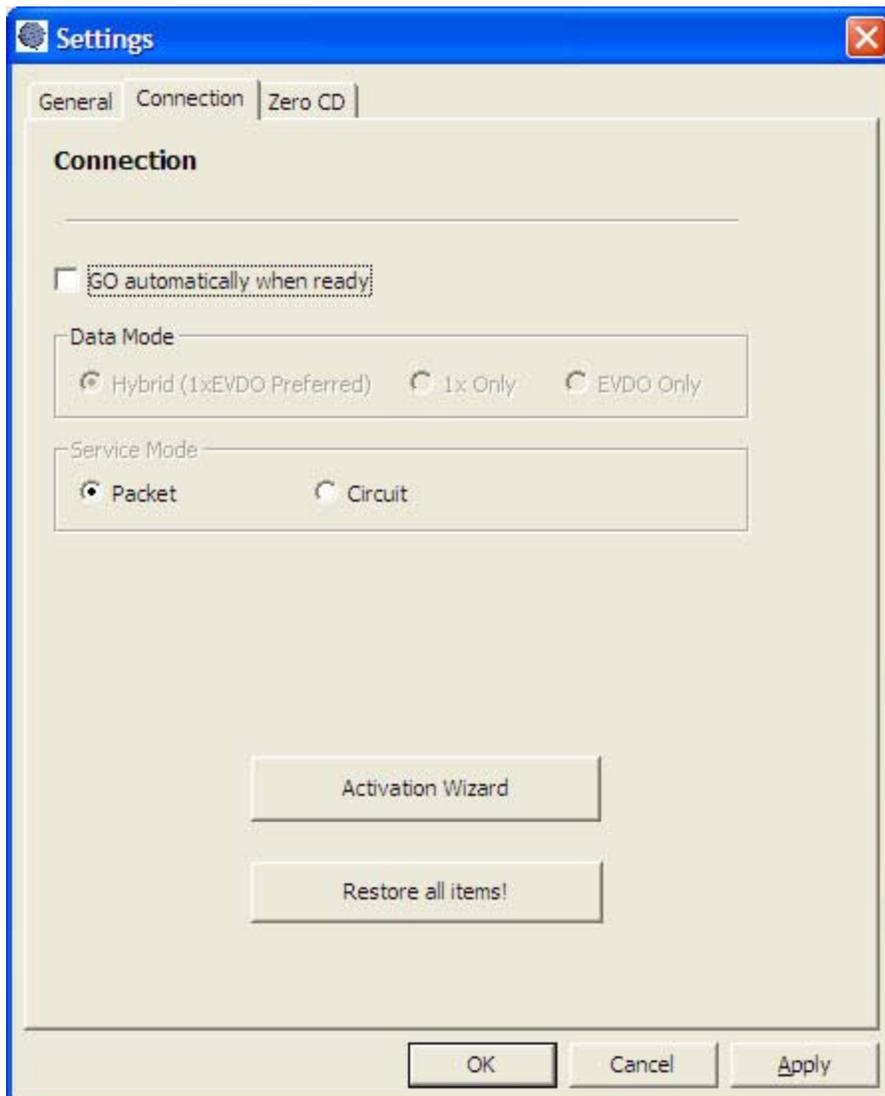
6. Use hibernation: With the Application Software running (idle). Windows will not hibernate or switch to standby mode.

Please select this option under General tab to close UI automatically so that windows can hibernate or switch to standby.

Connection



Go automatically when ready



Data Mode

To change connection type, click the radio Button.

NOTE : You can use Packet, QNC type in 1X current coverage but cannot use Packet type in IS 95 coverage.

Service Mode - Packet

Always On is a CDMA 1x internet domain that applies to data (in Kilobytes) based charging packages.

This service allows you to remain connected to the internet all the time.

Charges will apply to the amount of data sent and received with this domain.

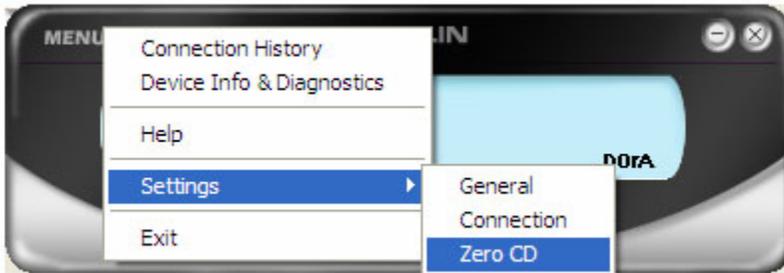
Service Mode - Circuit

When you are not within CDMA 1x coverage or you have not subscribed to CDMA 1x, you can still connect to operator's Standard Mobile internet Service using Circuit, provided you are within CDMA coverage.

Circuit does not require a separate subscription

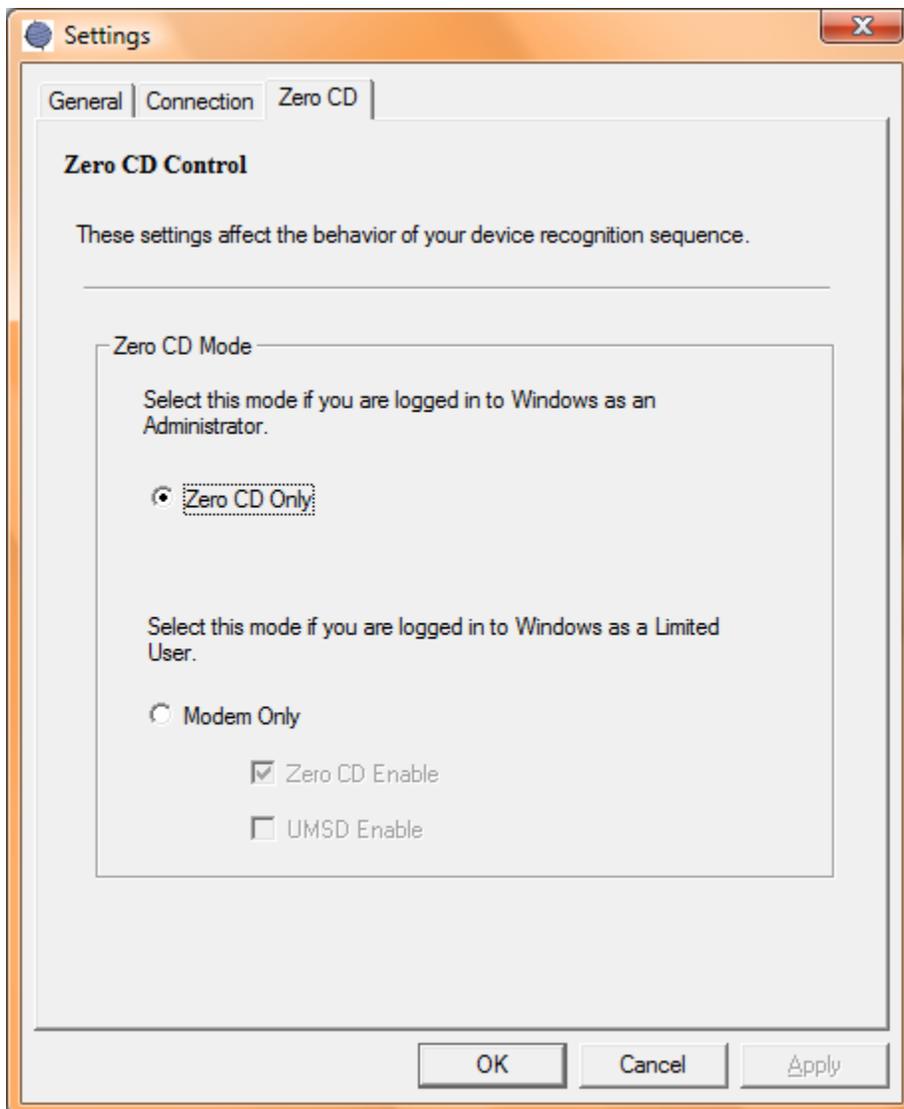
Zero CD

1. Click **Menu** on the Fraklin Connection Manager Interface.
2. Select **settings** from the submenu.
3. Select **Zero CD** from the submenu.



Settings - Zero CD

1. **Factory default setting:** Zero CD Only and Zero CD Enable.
2. Users for **Window 2000** and **Window XP** limited user should set it to **“Modem Only”**.



FCC Compliance Information

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received including interference that may cause undesired operation.

Body worn operation

SAR compliance has been established in the laptop computer(s) with Horizontal and Vertical slot configurations, and can be used in laptop computers with substantially similar physical dimensions, construction, and electrical and RF characteristics

The antenna(s) used for this USB dongle must not be co-located or must not operate in conjunction with any other antenna or transmitter within a host device.

Warnings

This equipment has been tested and found to comply with limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment can generate, use, and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause unacceptable interference to radio and television reception, which can be determined by turning the equipment off and on the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced Radio/TV technician for help.

Caution

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Port explanation

RF_CON1000 :

Primary RF conduction
test switch



CON100 :

Micro-SD Memory
socket