

# **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'

C-motech Mobile Broadband Installation					
	Welcome to the Installation for C-motech Mobile Broadband C-motech Mobile Broadband will be installed on your computer. To continue, click Next.				
	WARNING: This program is protected by copyright law and internation treaties.				
< Back Next> Cancel					

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

C-motech Mobile Broadband Installation	
<b>Destination Folder</b> Click Next to install to this folder, click Change to install to a different folder.	
Install C-motech Mobile Broadband to: C:\Program Files\C-motech\	<u>C</u> hange
InstallShield < <u>B</u> ack <u>Next</u> >	Cancel

Click "Next" to continue.

C-motech Mobile Broadband Installation
Installation Options Select which features you would like to install with C-motech Mobile Broadband
Install          Install Data Modem @ CDMA Device Driver         Install C-motech Mobile Broadband
InstallShield < <u>B</u> ack <u>N</u> ext > Cancel

Click "Install" to continue.

C-motech Mobile Broadband Installation	
Ready to Install the Program The wizard is ready to begin installation.	
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	
InstallShield Cancel	

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

C-motech Mobile Broadband Installation	
Current Status	
C-motech Mobile Broadband is configuring your new software installation.	
Installing	
InstallShield	Cancel

Installation Complete. Click "Finish".

C-motech Mobile Broadband Installation			
	Installation Complete!		
	C-motech Mobile Broadband has been installed successfully. You must restart your system for the configuration changes made to C-motech Mobile Broadband to take effect.		
	Once your computer restarts, insert your EVDO Modem.		
< <u>B</u> ack Finish Cancel			

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** 

lcon	Meaning	lcon	Meaning
<b>T.</b> l	Antenna / Signal Strength	H 1X	Current High Data Rate mode selected
R	Roaming	EV 1X 2G	Coverage Icon
DORO DORA	EV-DO Rev. 0 / Rev. A	1X : 和 , DOr0 : 題, DOrA: 👪	Active Data connection

**Taskbar Icon** 



#### Connection

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





Verifying User.

Tull Verifying User	-
H EV	×.

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.



Eile Edit Sort Date/Time Connection Name Type Data Amount (Byte)	
Date/Time Connection Name Type Data Amount (Byte)	
Date/Time Connection Name Type Data Amount (Byte)	
	k
Clear Closed Clear	e

#### **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)bming dll
Device Info and Diagnostics
Manufacturer : Franklin Model :CDU685 ESN : 3809D8AA Firmware Version : 68XXXX Software Version : 3.1.0.0-XXX Phone Number : 555555555 MIN(MSID) : 0595240780 PRL ID : NAM1 : 271
Communication Port Presence test was Successful. [COM6]
OK Create Report

# General

Connection History	98
Device Info & Diagnostics	
Help	DOrA
Settings 🕨 🕨	General
Exit	Connection Zero CD

Settings			X
General Connection Zero CD			
General			
<ul> <li>Play sound effects</li> <li>Always on top</li> <li>Start in system tray</li> <li>Keen Connection History</li> </ul>			
☐ Launch when Windows starts ✓ Use Hibernation			
	ОК	Cancel	Apply

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

MENU	Connection History	
	Device Info & Diagnostics	
	Help	A Dora
	Settings 🔶 🕨	General
	Exit	Connection
		Zero CD

## Go automatically when ready

Settings
General Connection Zero CD
Connection
GO automatically when ready
Data Mode
Hybrid (1xEVDO Preferred) C 1x Only C EVDO Only
Service Mode
Activation Wizard
Restore all items!
OK Cancel <u>A</u> pply

#### 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".

Settings	×			
General Connection Zero CD				
Zero CD Control				
These settings affect the behavior of your device recognition sequence.				
Zero CD Mode	-			
Select this mode if you are logged in to Windows as an Administrator.				
Zero CD Only				
Select this mode if you are logged in to Windows as a Limited User.				
C Modem Only				
🔽 Zero CD Enable				
🗖 UMSD Enable				
OK Cancel Apply				

# **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 generates, uses, 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.

Of 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**

