
MultiModem® GPRS
USB Wireless Modem
MTCBA-G-U-F4



Quick Start Guide



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USB Wireless Modem
MTCBA-G-U-F4
82100332L, Revision C

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Record of Revisions

Revision	Date	Description
A	10/04/07	Initial release of F4. New PN in order to have GPRS-U-F4 in a separate manual (previously GPRS and CDMA were combined in 82001315L).
B	02/22/08	Added the AT Command for changing GPRS Band. Added Windows Vista to list of compatible operating systems.
C	11/05/08	Add Windows Server 2008 to list of compatible operating systems. Updated drawings.

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Introduction

This guide shows you how to set up your Multi-Tech wireless MultiModem. For detailed information, product specifications, troubleshooting tips, and more, see the User Guide, available on the MultiModem CD accompanying your wireless modem.

General Safety

The modem is designed for and intended to be used in fixed and mobile applications. “Fixed” means that the device is physically secured at one location and is not able to be easily moved to another location. In a “Mobile” application, the device may be moved regularly from one location to another.

Caution: Maintain a separation distance of at least 20 cm (8 inches) between the transmitter’s antenna and the body of the user or nearby persons. The modem is not designed for, nor intended to be, used in applications within 20 cm (8 inches) of the body of the user.

RF Interference Issues

Avoid possible radio frequency (RF) interference by carefully following the safety guidelines below.

- Switch OFF the MultiModem when in an aircraft. The use of cellular telephones in aircraft is illegal. It may endanger the operation of the aircraft and/or disrupt the cellular network. Failure to observe this instruction may lead to suspension or denial of cellular services to the offender, legal action, or both.
- Switch OFF the MultiModem in the vicinity of gasoline or diesel-fuel pumps or before filling a vehicle with fuel.
- Switch OFF the MultiModem in hospitals and any other place where medical equipment may be in use.
- Respect restrictions on the use of radio equipment in fuel depots, chemical plants, or in areas of blasting operations.
- There may be a hazard associated with the operation of your MultiModem in the vicinity of inadequately protected personal medical devices such as hearing aids and pacemakers. Consult the manufacturers of the medical device to determine if it is adequately protected.

- Operation of the MultiModem in the vicinity of other electronic equipment may cause interference if the equipment is inadequately protected. Observe any warning signs and manufacturers' recommendations.

Vehicle Safety

- Do not use your MultiModem while driving.
- Respect national regulations on the use of cellular telephones in vehicles. Road safety always comes first.
- If incorrectly installed in a vehicle, the operation of MultiModem telephone could interfere with the correct functioning of vehicle electronics. To avoid such problems, be sure that the installation has been performed by qualified personnel. Verification of the protection of vehicle electronics should be part of the installation.
- The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Package Contents

Unbundled Package Modem without Accessories	Bundled Package Modem with Accessories
1 modem 1 mounting bracket 1 Quick Start Guide 1 MultiModem CD Note: You must supply bracket screws and an antenna.	1 modem 1 mounting bracket 1 USB cable 1 antenna 4 rubber feet 1 Quick Start Guide 1 MultiModem CD Note: You must supply bracket screws.

Notes:

Your wireless provider will supply the SIM card.
See the User Guide for antenna specifications.

Activate Your Wireless Account

Please see the wireless account Activation Notices located on the MultiModem CD. Choose the one for your wireless network provider and follow the directions to activate your account.

Phone Numbers for the Wireless Modem

Every wireless modem will have its own unique phone number. The phone number may simply be given to you by your wireless service provider or it may be on the SIM card or both. Wireless provider implementations may vary.

Insert the SIM Card into SIM Card Slot

The wireless modem requires a SIM card (Subscriber Identity Module) to operate on a GSM/GPRS network. To install the SIM card:

1. Using your fingernail or small screwdriver, pry off the SIM cover.
2. Insert the SIM card into the SIM card slot.
3. Verify that the SIM card fits properly; then replace the cover.



SIM Card Orientation

Hook up the Antenna and USB Cable



- **Antenna.** Connect a suitable antenna to the ANT connector (see the User Guide for antenna/RF specifications).
- **USB Cable.** Connect one end of the USB cable to the modem and the other end to the PC.
- **Optional Handset.** Connect a handset to the HANDSET connector, if desired.

Installing the MultiModem USB Driver

Compatibility: The wireless modem is compatible with Windows Server 2008, Windows Vista, XP, 2003, and Linux.

Windows: Place the MultiModem CD into the PC's CD-ROM drive and plug the USB cable into the PC. The *Add New Hardware Wizard* will display. Please follow the installation prompts. For detailed driver installation directions, see the User Guide.

Linux: Under the Linux directory on the MultiModem CD, you will find the Linux driver and a Readme file. Refer to the Readme file for the driver file and installation guide for your distribution/version of Linux.

Note: If your model did not include a CD, you can download the drivers from the Multi-Tech Web site.

Changing the GPRS Band

All MultiModem GPRS-F4 wireless modems support quad band. The modems are available in two build options: one defaulting to 850/1900MHz and one defaulting to 900/1800MHz.

If for any reason, such as changing the geographical area in which you use your modem, you want to change the band, you can accomplish it by using the **+WMBS** AT Command.

Changing the GPRS Band for RS-232 and USB Models

Use a terminal application such as HyperTerminal to enter the AT Command: **AT+WMBS=4,0**.

For accessing HyperTerminal and further instructions, see the User Guide.

AT Commands

AT commands can be used to operate, configure, and query your modem. The AT Command Reference Guides for GPRS are included on the MultiModem CD and on the Multi-Tech Web site.

Internet Access

See the User Guide for Internet access directions.

