

Verizon FOTA (Firmware Over the Air)

At times, your device may require a critical update to radio firmware for devices connecting to the network. To stay compliant to Verizon's LTE requirements, you must implement FOTA. Failure to perform a critical update could result in losing access to the Verizon network.

MultiTech has developed a script for customers to use in order to initiate a FOTA update from the (the customer's) local host processor (pull FOTA). The script is available at: <https://www.multitech.com/vzw-catm1>

Regulatory Information

For additional regulatory information, see your device's user guide or go to your device's page at <http://www.multitech.com>

47 CFR Part 15 Regulation Class B Devices

This equipment has been tested and found to comply with the 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 generates, uses, and can 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 harmful interference to radio or 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.

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

MultiConnect® microCell Cellular Modem (MTCM-LNA3)

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MultiConnect® microCell Cellular Modem MTCM-LNA3 Quick Start



Overview

The MultiConnect microCell (MTCM) is a compact communications device that provides cellular capabilities for fixed and mobile applications.

Package Contents

Your package includes the following (varies with model):

Device	1- MultiConnect microCell cellular modem
Antennas	2 - External antennas
Documents	1 - Quick Start, 1 - Warranty information
Other Items	1 - Mounting rod, 4 - Clear adhesive bumpers

Additional Information

For more information, refer to the user guide for your model at: <https://www.multitech.com/brands/multiconnect-microcell>.

Note: If this quick start has been updated, it will be at that location..

Dimensions

The device dimensions are: 2.105 in x 0.780 in x 1.79 in (5.35 cm x 1.98 cm x 4.55 cm)

Side Panels



Connectors

The device has the following connectors:

- **USB** 1 USB connector,
- **SMA** 2 female SMA connectors, labeled CELL and AUX
- **SIM** 1 micro-SIM slot, between the SMA connectors

LED Descriptions

The device contains the following LEDs:

- **POWER** - Lights when the device has power.
- **LINK** - Blinks when the unit is functioning normally.
- **SIGNAL** - Three programmable signal LEDs. Require users to write code to control. Non-functioning by default.

Installing a SIM Card

To operate the device on a cellular network, you need a micro SIM card (3FF) from your carrier.

To install the SIM card:

1. Locate the SIM card slot on the side of the cellular modem. The slot is labeled SIM.
2. Push the SIM card into the slot with the contact side facing up as shown. The SIM card locks into place.



Installing the Cellular Modem

1. Connect antennas to the antenna connectors.
2. Connect the USB connector to your computer, either directly or through a hub.

The USB connection powers the device and the **POWER** LED lights.

Dual Carrier

This device uses a cellular radio with dual firmware meaning that it can be used on two different carrier networks (not simultaneously). The device can be used on either the Verizon or AT&T/other networks.

To check that your device is configured for the desired network:

AT#FWSWITCH?

If response is: #FWSWITCH: 0 The device is configured for AT&T/other networks.

If response is: #FWSWITCH: 1 The device is configured for Verizon.

To switch carrier networks:

From AT&T to Verizon:

AT#FWSWITCH=1,1

From Verizon to AT&T:

AT#FWSWITCH=0,1

Note: For the Link status (LS) LED to function, you must issue the command AT#GPIO=1,0,2 any time you use the firmware switch command (AT#FWSWITCH=0 or AT#FWSWITCH=1).

Mounting Device

1. Locate the groove on the bottom of the cellular modem.
2. Slide the mounting rod through the groove.
3. To secure the rod to the desired surface, place and tighten two screws in the holes on either end of the mounting rod. Refer to the user guide for an illustration and the dimensions for screw placement.