M114 CAT-1 BIS Quick Start

Cellular Modem

! Thank you for choosing Lantronix. Please register your product to receive notifications for firmware and documentation updates at www.lantronix.com/product-registration.

WHAT'S IN THE BOX

Model shown: M114B00FS

ACCESSORY BUNDLE (MF18)		
ACCESSORY	**PART NUMBER**	**DESCRIPTION**
Power adapter	P24E0/P24E1/ P24E2/P24E3/ P24E4 *	12V 1.25A switching power adapter with 4 pin SWB connector
USB cord	KUCA1	USB Type-A to USB Type-C, 80cm long
Antenna	A31M0	Single LTE antenna, adhesive remote antenna with 3000MM RG174 cable, SMA male
DIN rail clip	BR350	Metal DIN rail clip

*You can select the power adapter model based on your region.

The accessory bundle is sold separately.
Visit https://www.lantronix.com/products/m110.

Purchase a pre-activated SIM from a service provider.

HARDWARE OVERVIEW

Front View

Antenna Connector

Green LED

Amber LED

Side View

DC Power input port

Reset button

RS-232 serial port

USB Type-C

SMA Antenna Connector

SIM tray

Pin to eject SIM tray
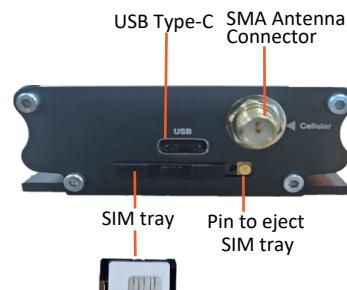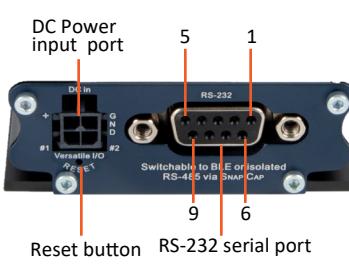
LED BEHAVIOR		
Cellular (Amber)	OFF	No cellular connection
	Solid	Cellular connection established
	Blinking	Cellular connection established and data transfer in progress
Power/Signal strength (Green)	OFF	No power
	Solid	Good signal, CSQ > 10
	Slow blinking	No signal, CSQ < 4 or =99
	Fast blinking	Marginal signal, CSQ 4-9

RS-232 PINOUT	
1	DCD
2	Rx
3	Tx
4	DTR
5	Ground
6	DSR
7	RTS
8	CTS
9	RI

HARDWARE SETUP

1. Unbox the device and gather the required accessories.

2. Optional: Install the DIN rail clip to the base of the device.

3. Connect the USB Type-C cable to the device, and connect the other end to the USB port of a computer. Alternatively, connect a RS-232 DB9 serial cable to the RS-232 serial port. (RS-232 DB9 cable not provided.)

4. Push the pin next to the SIM tray to eject the tray. Place the SIM card in the tray with the contact side facing up. Push the tray in to lock it in place.

5. Attach the cellular SMA antenna to the SMA connector by rotating it in a clockwise direction.

6. Connect the 4-pin connector of the power adapter to the DC input port to power on the device.

LANTRONIX®

COMMUNICATING WITH THE MODEM

1. Open a terminal program (e.g. Tera Term) installed on your computer.

2. Configure the serial settings as shown below:

   - Baud rate: 115,200 mbps
   - Data bits: 8
   - Parity: None
   - Stop Bits: 1
   - Flow Control: Hardware

3. Enable Local echo for the terminal to view the commands that you type.

4. Execute the following command to enable cellular AT commands on the USB port:

   AT#USBATCOM=1

For instructions to use AT commands to test communication with the device refer to *M110 Series User Guide* .

SUPPORT

Scan for product information
https://www.lantronix.com/mylantronix/

Technical Support: Visit www.lantronix.com/technical-support

LANTRONIX®