



LTE Vehicle Communicator



LYNKNEX MX1 Series Quick Start Guide

Make Something Wonderful
To Help The World
A Safer
And
Better Place

Note

- Before using the product, please read the Quick Guide to fully benefit from it.
- Warranty period is 1 year from date of purchase.
- This product involves constant upgrading and/or improvement, Lynknex reserves the right to change the specifications of software and/or hardware mentioned in this operating guide without any prior notice. The product specifications and information mentioned in the operating guide are for reference only.
- This manual applies to the MX1 series products, with the model MX1 used as an example throughout the text.

What’s In The Box

Please check the following accessories before you discard the packing material.

Accessories	Quantity
MX1	1
Bracket	1
Antenna	1
Palm Mic	1
Power Cable	1
Quick Start Guide	1

MX1 Overview

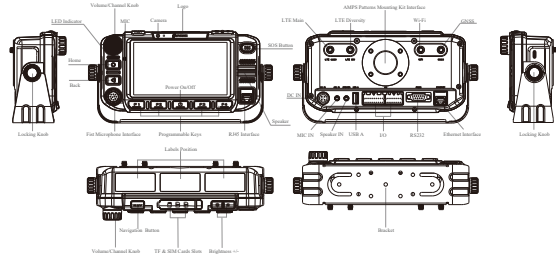


Figure 1-1

Indicator Light Status

Operation State	Indication Color
Standby	Green(Blinking)
Searching Network	Green(Fast Blinking)
Power On	Green(Blinking)
PTT Transmitting	Red(Steady)
PTT Receiving	Green(Steady)
Offline	Red(Steady)

To install SIM & T-FLASH card

Before installing or removing the Nano-SIM/T-Flash card, ensure the terminal is powered off, then lift the cover of the SIM and T-Flash card slots on the top of the device as Figure 1-1.

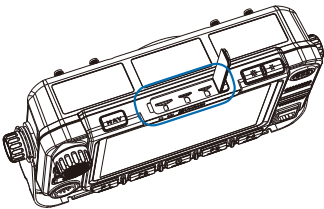


Figure 2-1

To install the Nano-SIM card:

1. Align the Nano-SIM card with the diagram located near the SIM card slot.
2. Gently press the card into the slot until it clicks into place.

To insert the T-FLASH card:

1. Align the TF card with the diagram near the T-Flash card slot.
2. Gently press the card into the slot until it is securely in place.

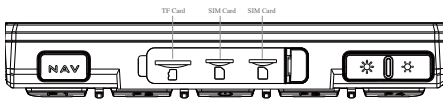


Figure 2-2



How to install MX1 in the vehicle

Installation and Securing of MX1 Bracket

1. Install the bracket onto the vehicle (see Figure 3-1).
2. Secure the MX1 to the U-shaped bracket (see Figure 3-2).
3. Connect the RM to the MX1, there are two options to connect RM: Aviation connector interface and RJ45 interface. (see Figure 3-3).
4. Attach the power cable (see Figure 3-4).

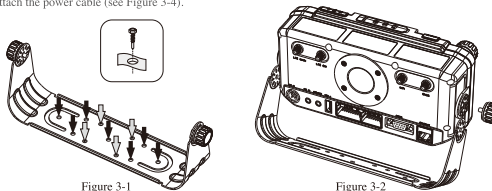


Figure 3-2

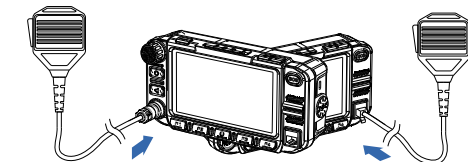
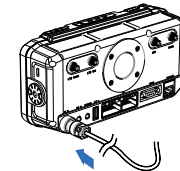


Figure 3-4



Precautions for Installing a Bracket:

When mounting the bracket for a vehicle terminal on the top of the center console or beside the co-pilot's seat, consider the following:

- If the installation surface is hard, ensure all screws are tightly secured. Reinforce the surface if necessary.
- For surfaces with a bend, adjust the bracket to match the angle of the installation surface.
- Take care not to damage any cables routed beneath the surface when drilling.

Precautions for Routing Cables:

Ensure proper routing of power and LTE antenna cables inside the vehicle. Avoid sharp bends to prevent cable damage or degradation of electrical performance.

When routing cables, minimize:

- Coupling between cables and the electronic control system in the vehicle.
- Coupling between an electrical system in the vehicle (for example, an alternator) and the MX1.

Check Items:

Ensure that all components and cables meet the following requirements:

- The MX1 and its bracket are securely fixed and do not shake.
- All cables on the MX1 are correctly connected and secured.
- Cables are properly routed and fixed inside the vehicle, with no exposed cables hindering operations.
- The LTE antenna is securely installed and meets cabling requirements.
- All components and antennas are firmly installed and remain stable during the ride.

Power the MX1

Connect the power cable to the rear of the MX1

Caution:

- RISK OF ELECTRIC SHOCK
- IN DOOR USE ONLY
- DC INPUT OF 9V TO 36V
- AVOID CONTACT WHEN SURFACE IS HOT

WARNING: ENSURE YOUR MX1 IS POWERED OFF WHEN NOT IN USE.

Important:

Use only approved wiring.
Avoid connecting to incorrect wires.

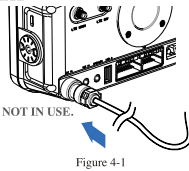


Figure 4-1

Basic Operations

Startup:

Long press the power button until the MX1 starts.

Shutdown:

Long press the power button and select "Power Off" when the option appears on the screen.

Button/Antenna Interaction:

P1: Acts as a PTT button if the Palm Microphone is unavailable.

P2, P3 & P4: Programmable Buttons.

Antenna: Ensure the antenna does not obstruct your view while driving and is properly positioned.

Volume/Channel Knob: Multifunctional Controller

Volume/Channel Knob offers seamless control for volume adjustment and talk group selection.

• Volume Adjustment Mode (Default):

- Rotate clockwise to increase the volume.
- Rotate counterclockwise to decrease the volume.

• Talk Group Selection Mode:

- Press the knob to switch modes.
- Rotate to select the desired talk group.
- After 5 seconds of inactivity, Knob reverts automatically to **volume adjustment mode**.

Home Button

When the screen backlight is off:

- One click: Wake up the screen.

When the screen **backlight is on**:

- One click: Return to the Home page from any application.
- Double click: Open the recent apps Overview.
- Long press: Activate Google Voice Assistant.

Back Button

When the screen backlight is on:

- One click: Go back to the previous screen or exit the current application window.

WiFi Connection

Go to Settings > WiFi.

Enable WiFi (single click to toggle).

Find and select the desired access point, then enter the password:

Single click for uppercase, double click for lowercase.

Click "v" to confirm or exit password input.

GPS Location

Go to Settings > Location and single click to enable or disable GPS.

Date & Time Configuration

Go to Settings > Date & Time and single click to adjust the

time display format.

Bluetooth Connection

Go to Settings > Bluetooth.

Select "PTT Button" and single click to enable Bluetooth.

After scanning, find the desired device and single click to bond. For other Bluetooth devices, select "Headset" and follow the same steps.

Cellular Data Connection

Go to Settings > Cellular Data and single click to enable or disable the connection.

Language

Go to Settings > Language and select the desired language.

Factory Reset

Go to Settings > Reset.

In the prompt "Are you sure about recovery?", choose "Yes" to reset or "No" to exit.

System Information

Go to Settings > About to view device and SIM card information, including OS version, IMEI code, battery percentage, SIM name, SIM level, and SIM type.

Troubleshooting

No	Malfunction Phenomenon	Malfunction Diagnosis	Troubleshooting
1	Device Won't Power On	Check Power Source	Ensure the device is properly connected to a power source. Check the power cable and connections for damage.
2		Battery Status	If applicable, verify that the battery is charged and properly seated.
3		Fuse Check	Inspect the fuse in the power line for any signs of damage or blown fuse.
4	No Signal or Poor Reception	Antenna Connection	Ensure the antenna is properly connected and not damaged.
5		Location	Move to a different location with a clearer line of sight to the tower.
6		Settings Check	Verify that the correct frequency band is selected in the device settings.
7	Audio Issues	Volume Settings	Check that the volume is turned up and not muted.
8		Speaker/Microphone Connection	Ensure that the external speaker/microphone is properly connected and functioning.
9		Noise Interference	Move away from other electronic devices that might cause interference.

No	Malfunction Phenomenon	Malfunction Diagnosis	Troubleshooting
10	Wi-Fi Issues	Check Connections	Ensure the device is connected to the correct Wi-Fi network and that the router is powered on.
11		Restart Devices	Restart both the Wi-Fi router and the device to refresh the connection.
12		Signal Strength	Move closer to the router to improve signal strength, avoiding obstacles that may cause interference.
13	Bluetooth Connectivity Problems	Pairing Issues	Ensure the Bluetooth device is in pairing mode. Restart both the MX1 and the Bluetooth device and try again.
14		Range Limitations	Make sure the Bluetooth device is within the recommended range.
15		Reset Bluetooth	Reset Bluetooth. Disable Bluetooth on the MX1 and then re-enable it.
16	Software Issues	Firmware Updates	Check if there are any available firmware updates and install them.
17		Reset Settings	If problems persist, consider resetting the device to factory settings (back up important data first).
18		Brightness Settings	Adjust the brightness settings in the display menu.
19	Screen/Display Issues	Screen Damage	Inspect the screen for physical damage. If the display is cracked or broken, it may need to be replaced.
20		Restart Device	Perform a hard reset by turning off the device and turning it back on.
21	GPS Functionality Problems	Location Settings	Ensure that the GPS setting is enabled in the device settings.
22		Clear Line of Sight	Move to an open area where the device can better receive satellite signals.
23		Check for Updates	Ensure that the GPS software is up-to-date.

*If you've encountered problems not mentioned above, please contact your local dealer for support.

Product Safety Warnings

1. This product uses a rechargeable lithium battery as a power source. When the power is low, please charge the battery. To maintain battery life, it is recommended to deplete the battery's power before charging.

2. When the battery charger is not in use, please remove it from the power supply. Do not connect the charger to the battery for more than one week. Excessive charging will shorten the battery life.

3. Temperature affects the battery charging limit. Therefore, the battery may need to be cooled or warmed up before charging.

4. Please use the battery for its original intended purpose to prevent short-circuiting the battery. A short circuit will occur when a conductive material connects the battery's positive and negative terminals.

5. Do not use a battery that is damaged.

6. Placing the battery in extremely cold or hot places will lead to shortened battery life. Exposing the battery to extreme temperatures may cause the phone to malfunction, even if the battery is fully charged.

7. Do not put the battery in a fire. Please discard the battery in a proper manner or take the battery to a battery recycling station. Please dispose waste batteries in accordance with local laws and regulations.

8. Do not install or use the device during lightning storms to avoid the potential risks of lightning shock.

9. Please turn off the power immediately if you notice abnormal odor, heat or smoke.

Suggestions

• Do not use the terminal in extremely cold or hot environments.

• Use the terminal in a clean and dust-free environment if possible to prevent small items from falling into the terminal.

• Do not use the terminal near medical equipment without permission.

FCC Caution

This device complies with part 15 of the 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.

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

Note: 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.