


Appearance



Power key
Hand microphone port
Volume down key
Emergency alarm key
Speaker and microphone
Programmable keys (P1-P9)
Return key (P0)
USB port and TF card slot
4G LTE antenna interface
GPB antenna interface
Camera interface
Power / RF antenna interface
SIM card slot
Serial port

KTISUN
M80 PoC Mobile Radio
Quick Guide

Please read carefully the Safety Information before using the product.

Attachments

No.	Item	QTY
1	Main unit	1
2	Hand microphone	1
3	Rechargeable battery (2000mAh self-heating battery and 2 8Ah's rechargeable battery)	1
4	Power cable	1
5	4G LTE antenna	1
6	GPS antenna	1
7	WiFi router (optional for outdoor and factory use)	1
8	User manual	1
9	Safety information	1

Programming Keys
 To call to preset radio, the P1, P2, P3 and emergency alarm keys can be programmed as manual keys to various functions.

Def.	Operation	Function
P1	Emergency	Emergency key (group member / preset group)
P2	Power	Emergency key (group member / preset group)
P3	Power	Emergency key (group member / preset group)
P4	Power	Emergency key (group member / preset group)
P5	Power	Emergency key (group member / preset group)
P6	Power	Emergency key (group member / preset group)
P7	Power	Emergency key (group member / preset group)
P8	Power	Emergency key (group member / preset group)
P9	Power	Emergency key (group member / preset group)

Installation

Attention:

- The radio should be installed in a position where it is not easily accessible and where no one can drive a vehicle or other metal body.
- When the radio is installed, make sure the internal volume of a vehicle or other device does not exceed the limit.
- Make sure the power cord is long enough so that the radio can be disconnected with the power disconnected.
- While installing the radio, make sure a fuse meeting requirements is used.

Take the following steps to install the radio:

- Fit the bracket of a vehicle in a vehicle where operation is convenient using the kit. See the radio manual.
- Fix the radio onto the bracket using the fastening screws.
- Check that the power cord, connected to one end to the engine battery or other power supply (with supply voltage not higher than 20V), makes sure the wiring is appropriate to the radio and the other kit in the vehicle. Make the positive cable and connect the power plug to the power interface at the rear of the radio connected to the engine and earth connection.
- Plug the hand microphone, the direction key, etc., into the corresponding interface of the radio, and adjust and tighten the cover lock on the plug. When the lock contacts the slot at the radio, press it and the cover will be locked.

Handling/Connecting Hand Microphone
 To install the hand microphone, plug the hand microphone into the corresponding interface of the radio, and adjust and tighten the cover lock on the plug. When the lock contacts the slot at the radio, press it and the cover will be locked. To connect the hand microphone, rotate clockwise the cover lock on the plug to the power interface, and then push the plug to the power interface, and then push the plug.

Basic Functions

1. Powering On/Off
Powering on
 When the radio is off, supply a voltage of 12-24V, and the radio will be powered on automatically within about 30s.
Powering off
 When the radio is on and off state, you can start by pressing **[VOLUME DOWN]** and holding for 3s before release.
Powering on
 When the radio is on, you can power it off by pressing **[VOLUME DOWN]** and holding for 3s before release.

2. Standby Mode
 To minimize battery consumption, press **[VOLUME UP]** to set the radio to standby mode.

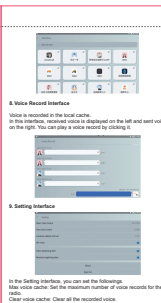
3. Adjusting the Volume
 In the main interface, press the Volume Up/Down key to turn up/down the volume.

4. Log In
Log In
 After power on, the login interface are shown below will be displayed. Make the log in password and a password (1-12 digits) to be added, which is recorded on the Network Management System (NMS). Note: After successful login, the password will be remembered to automatic log next time.
App
 You can turn other apps by clicking App at the bottom of the interface.

5. Making/Receiving a call
Also answered calls you can make a call by holding down the PTT key on the hand microphone. The call date and time will be displayed in the outgoing list.
When a call is answered, you will see the group name, number, and the caller's name will be displayed. For each call.

6. Groups Interface
 In the Groups interface, all groups are displayed, and the current group will be highlighted. You can switch to another group by clicking the group. To change groups, click down the group.

7. Members Interface
 In the Members interface, you can see the members of the other configuration on the NMS as well as the members of the current group. A member is highlighted with the radio.
 You can search for a contact or group member by entering in the upper part of the interface.
 You can make an individual call or send a message by a contact or group member by clicking it.



10. Advanced Functions
 Call display interface. You can enable receive, scan, call, voice playback and track playback.

11. Troubleshooting

Category	Reason	Solution
Start-up failure	Low battery voltage	Recharge the battery
	Incorrect voltage	Check the power supply
	Power supply not connected	Check the power supply connection
Radio cannot receive	Radio is powered off	Power on the radio
	Antenna is not installed	Install the antenna
	Antenna is not connected	Check the antenna connection
Radio cannot transmit	Radio is powered off	Power on the radio
	Power is insufficient	Check the power supply
	Antenna is not installed	Install the antenna
No power to turn on	Power is insufficient	Check the power supply
	Antenna is not installed	Install the antenna
	Antenna is not connected	Check the antenna connection
No power to turn on	Power is insufficient	Check the power supply
	Antenna is not installed	Install the antenna

12. FCC Statement

The Following Requirements:
 1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 (a) This device may not cause harmful interference.
 (b) This device must accept any interference received, including interference from authorized licensed transmitters.
 Any Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate the equipment.
 The manufacturer can be held liable for providing with the radio in a Class B environment. In a Class B environment, radio emission may cause interference to other electronic equipment. The manufacturer provides user can reduce radio interference through the following measures:
 (a) Change the channel or channel group.
 (b) Increase the distance between the radio and the equipment.
 (c) Use shielded cables.
 (d) Turn off the radio or power supply.
 To comply with all applicable requirements, a technical representative of the user should be consulted for specific advice.

FCC Statement
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 (b) This device must accept any interference received, including interference from authorized licensed transmitters.
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13. CE Statement

The following requirements of the EMC Directive are fulfilled:
 (a) The device may not cause harmful interference.
 (b) The device must accept any interference received, including interference from authorized licensed transmitters.
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