

talk2me

2-WAY DIGITAL RADIO

Monile Base Station v1 LTE PTT Radio Manual



The powerful talk2me Mobile Base station 2-way radio is our advanced radio with cellular connectivity that offers connectivity regardless of your location. With the talk2me 2-way international radio network you can stay in touch with your team or join the all-new citizens band community group for continuous unlimited radio conversations at talk2chat.com, with talk2me you are always connected.

talk2me 2-Way Digital Radio

Talk2me Social Inc.
847 S Randall Road Ste 400
Elgin, IL 60123
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Manual can be found at <https://talk2me.us/v1manual.pdf>



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Introduction and Hardware Overview

This section provides a basic introduction and hardware overview:

- Device Introduction
- Package Contents
- Installing the Antennas and SIM card
- Get familiar with the buttons and power on.
- Primary Front Display.
- Functions of the radio.
- Optional External Antenna

Device Introduction

The **talk2me Mobile Base station LTE PTT Radio** can provide VOD services (Voice over data) to almost any location utilizing cellular broadband technology.

Fast, reliable and private communications are now just a simple click of the push to talk button you can chat on the all-new digital citizen band network, the Mobile Base station provides continuous connectivity for voice communications.

Package Contents

Your package contains the following items:

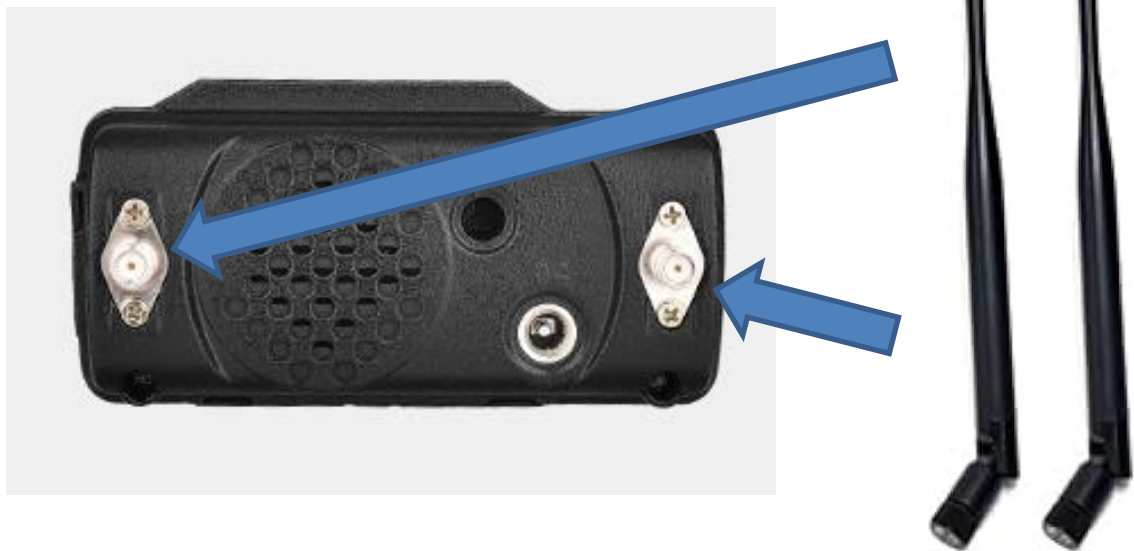
- **Mobile Base Station v1 LTE PTT Radio**
- 2 x Removable SMA LTE Radio Antenna
- 1 x Base Stand with Mounting Screw
- 1 x Pre-Installed Micro SIM card
- 1 x Hand Microphone
- 1 x 12V Car Power Adapter
- 1 x 12V/2A AC Power Adapter



Install the Antenna(s) & SIM Card

Before your power on the radio.

To get started make sure to attach the removable antenna by hand tightening in the clockwise motion, **do not over tighten.**



A SIM card WILL be preinstalled in the radio.

Do not remove the SIM card unless advised to do so by a support team member.

Overview of installing the SIM card:

To install a SIM in **the radio** the gold side faces towards front of the radio and the SIM notch faces upwards ward. (See example)

To install the SIM card:

1. Ensure that power to the radio is off.
2. Place the radio horizontally with the front display panel facing you.
3. Insert the SIM card in the SIM slot.
4. The SIM should lock into place by using your finger to push the SIM into the slot.



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Power button.

Let's go over the buttons and functions that will help you get used to your new radio unit,



Now that you know your buttons we power on the radio, all other functions will be discussed later in this manual.

Power On/Off key (Power and Volume Knob – Upper Left Corner)

- Push in and hold the Power/Vol knob for 3 seconds to turn on the radio.
- Push in and hold the Power/Vol knob for 3 seconds to turn off the radio.



Once the radio has powered up you will be taken to the main display screen below:



Front Panel display screen.

The radio displays status information on the front panel. (From top to bottom)



1. **Antenna signal 4G/GPS** displays current network technology, signal strength and SIM card slot in use. GPS icon when tracking.
2. **Member Icon**  indicates your current member's name.
3. **Group Icon**  indicates current group channel.
4. **Operator** indicates current carrier being used.
5. **Speaker Icon: Idle** means listening to the channel.
6. **Red Speaker Icon: Member** indicates current member speaking.
7. **Time and Date** indicates current date and time from the tower.



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Functions of the radio.

Let's go over the functions and buttons that will help you get used to your new radio unit.



From the top of the radio to the bottom:

1. **Power/Vol.** – The rotating knob at the top of the radio unit helps with increasing or decreasing the radio's speaker volume, turning vol knob clockwise to increase the volume and turn vol knob counterclockwise to decrease the volume. Also controls Power function, see Power Button information.



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2. **PTT (Push to talk button on microphone).** – The large push to talk button is located on hand microphone and is easy to use. Just press and hold for 1 second before you start talking and then hold while transmitting your message and then release when done.
3. **Group.** – This button allows you to display and select the available groups.
4. **Member.** – This button allows you to display and select the available members for 1 on 1 communications.
5. **Menu/Confirm.** – This button allows you to display and select the available options such as settings, members and groups, also this button acts as the confirm button for entry changes.
6. **Confirm.** – This button acts as the confirm button for entry changes.
7. **Exit.** – This button allows you to exit any current menus options.
8. **P1/P2** – These buttons are not used at this time.



Setup settings menus.

1. Menu exit time.
2. Auto Lock settings.
3. Backlight time settings.
4. Session Time settings.
5. Power settings.
6. Network Setup settings.
7. Time zone settings.
8. SIM change settings.
9. Display Theme color settings.

1. Menu exit time:

Adjust the amount of time you can stay in any current menu option before timing out and returning to the main screen.

2. Auto Lock Settings:

Adjust the amount of time your radio will stay on the current screen.

3. Backlight Time Settings:

Adjust the amount of time your radio will stay on full display modem on the current screen.

4. Session Time Settings:

Adjust the amount of time your radio will be able to transmit, this function is limited by the service provider depending on the channel. (Currently 60 seconds is the maximum allowed talk time.)

5. Power Settings:

Adjust the power consumption used by the radio unit, for best performance use the Auto option.





6. Network Setup Settings:

Adjust the current radio technology, set to default to 4G LTE radio networks.

7. Time zone Settings:

Adjust the radio's time zone setting the GMT+ for your location.

8. SIM Change Settings:

Adjust the radio's current SIM card slot for port swapping.

9. Display Theme Color Settings:

Adjust the radio's current background display color setting.

Sound settings menus.

1. PTT Tone.
2. Key Tone.

1. PTT Tone:

This setting allows you to adjust the Push to talk button tone when transmitting.

2. Key Tone:

This setting allows you to adjust the radio's button tones when any button option is pressed.



Radio functionality tips.

Features and tips:

Poor and no signal issues:

Note: When in a weak signal environment and with poor call quality, you can choose power save mode or normal mode. The call quality will be improved, but the machine also consumes more power.

Automatic screen shutdown:

If there is no button operation within the set time, the radio will automatically shut down the screen.

Transmit prompt sound:

After enabling this function, press and release the PTT key will emit a "beep" prompt sound, which will improve the call experience. When this function is turned off, pressing the PTT key will result in no prompt sound.

Top LED display light:

The top LED will help you to identify the current radio status.

Status	LED Indication	Time
Search Network	Green light flashing fast	
Awaiting	Green light flashing slowly	0.5S on, 3.5S off
Transmitting	Constant Red	
Receiving	Constant Green	



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Using earpiece headset: (type-C or K Type)

Not available in the Mobile Base Station.

Battery charge:

Not available in the Mobile Base Station.



Select a group (Group call):

Press the  button on the left side of the radio to enter talk group menu, press the  buttons to browse the available group:

- Press the exit key to exit the group selection status,
- **Press the menu key to confirm entry into the group.**

If you press the PTT key, you can initiate a call to the group (with a red light on), accompanied by a prompt sound and screen display.

Select members to 1 on 1 chat with. (Private radio call)

Press the  key to enter member, and press the  key to browse the available members:

- If you press the exit key, you can exit the member selection status
- **Press the menu key to confirm the selection of the member.**

Now you can press the PTT button, a private call can be made to the member (with a red light on) accompanied by a prompt sound and screen display.



Solving guidance for problems:

Phenomena	Solving guidance
Equipment unresponsive	<ul style="list-style-type: none"> • Low battery level: The battery may have been depleted, please replace the battery or charge it. • SIM card malfunction: Check or renew/replace the SIM card. • Poor battery contact: Reinstall the battery or clean the battery contact points.
Insufficient standby time	<ul style="list-style-type: none"> • Battery performance degradation: replace the battery or buy one more battery for later use.
Charging fault	<ul style="list-style-type: none"> • Battery performance degradation: replace the battery • Poor connection: Check the connect condition or replace the charging cable • Low battery voltage: Charge for about



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	<p>half an hour, then unplug and recharge again</p> <ul style="list-style-type: none"> • Battery malfunction: replace the battery • Charger malfunction: replace the charger
<p>Unable to connect to the network</p>	<ul style="list-style-type: none"> • Signal too weak: Move area and retry • Not on server: Confirm that the SIM card has been installed, and the SIM card is in normal use state. Confirm the local telecom operator has a band covering the radio.

Technical and Environmental Specifications

- Dimensions: 48x99x43mm
- Weight: > 215g
- Operation Voltage: DC 12V/2A
- Battery Capacity: None
- Operating temperature: -10°C to 60°C
- Audio Power Output 2W@10%
- Radio Manufacturer: **QUANZHOU WURUI ELECTRIC CO LTD.**
- Module Name: **v1 Mobile Base Station**
- Bands available for LTE: **B2, B4, B5, B7, B12, B13, B14, B17, B41, B66.**
- Carrier Aggregation supported: **NO**





Technical and Environmental Specifications

(Extended)

Radio WIRED connectivity Interface(s):

- 1 2.1mm DC port for power (back of radio).
- 1 USB-Mini port for radio programming.

Radio WIRELESS connectivity Interface(s):

LTE

Radio antenna connectivity Interface(s):

Screw on SMA antenna for both LTE and GPS

Radio mobility connectivity Interface(s):

Micro SIM card slot

Radio software Interface(s):

Linux kernel

Radio Key Features: Factory unlocked device can be used with any carrier.

Support

Thank you for purchasing this **talk2me** product. You can visit www.talk2me.us support to obtain more information about your product, get help, access the latest downloads and manuals.

Compliance

For regulatory compliance information, visit <https://talk2me.us>

See the regulatory compliance document before connecting the power supply.





Trademarks

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Warranty

talk2me **PRODUCT LIMITED WARRANTY TERMS AND CONDITIONS**

This talk2me® branded product, as supplied and distributed by talk2me and delivered new, and is warranted by talk2me® against manufacturing defects in materials and workmanship for a limited warranty period of:

- 1) 1 year from the date of purchase.

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USA





FCC Declaration of Conformance

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.

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

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.

Operations in the 5.850-5.895GHz band are restricted to indoor usage only.

FCC RF Radiation Exposure Statement (SAR)

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 35 centimeters between the radiator and your body.

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Safety Warnings

Adapter

Do not use any other power adapter except the one that accompanies this unit or a power adapter identified in the list below.

Use of another adapter could result in damage to the unit.

The following power adapter is qualified for use with this talk2me® radio: (specified the adapter specifications, brand, make, type and other restrictions)

Caution

Ensure to connect the power cord of power adapter to a socket-outlet with grounding connection.

Safety and Compliance

Read before Use

We recommend you read the following sections thoroughly before use. talk2me Social Inc. is not liable for malfunctions or damage resulting from misuse of the modem.

Safety Precaution

Please observe the following safety precautions.

Use the chargers, cables or accessories approved by the device manufacturer.

Do NOT disassemble or modify the device. Doing so voids the warranty.

Prevent wetness from penetrating internal parts. Using the device in wet or damp environment (for instance, charging it in a wet environment like bathtub or bathroom) may result in malfunctions.

Do NOT use this device near source of heat or fire, such as oven, microwave, stove, or heater.

Keep your device away from cooking appliances.

Do NOT place the device in places with heated atmosphere (dryer, sauna, hot water).

Do NOT use the device and disconnect all cables at places with fire or explosion risks.

Avoid strong physical impact (heavy objects or excessive force).

Keep your device away from liquid or conductive materials.



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Do NOT charge the device when either the device, the adapter, or the cable is wet. It may cause short-circuit.

Power off the device when near medical equipment or high-precision control systems to avoid potential interference.

Charge with specified voltage only.

Place the device on a flat, stable surface for optimal use.

Keep the device and adapter away from children and pets.

The device must be disposed of in accordance with the locally applicable environmental regulations.

Keep the device away from magnetic items such as magnetic strip cards or items that generate strong electronic or magnetic fields, such as a microwave.

Do NOT store the device in an overheated environment.

Do NOT use the device when it is overheated.

Disconnect all the the cable connections when the device is not in use.

Place the device in places with good signal strength.

Make sure the adapter you use with the device meets the approved standards and specifications.

Disposal and Recycling

Do not dispose of the router in a household garbage bin.

Products with this label must be taken to specific collection points at the end of their life.

You can learn more about how to recycle your mobile device by visiting the CTIA website at

www.ctia.org/news/how-to-recycle-your-mobile-device

Maintenance & Care

- Avoid extreme temperature or direct sunlight.
- Clean handset with soft, dry cloth. Do NOT use alcohol solvent (color may fade)
- The warranty does not cover malfunctions caused by misuse.
- Stop all the applications and shut down the device before cleaning it.
- Keep the device and its accessories dry at all times.
- If anomaly occurs, contact your providers support immediately.



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- When storing the device, do NOT store it in a container with dampness or under extended heat.
- Avoid always dropping the device or strong physical impact.

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The Wi-Fi Logo is a certification mark of the Wi-Fi Alliance.

Changes

The functions of the product and associated peripherals or accessories are described in this document are based on the current hardware, software and/or local network conditions at the time of writing, and thus may vary due to



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conditions set by local network service providers or carriers. Therefore, all information described herein is subject to change without prior notice.

Picture(s) of radio unit.

