

# iTALK450

## DUAL SIM PTT Mobile Radio

Global PTT services utilizing existing 2G/3G/Wifi network  
Cost effective professional trunk radio features  
Flexibility to use Wi-Fi and/or cellular networks  
Designed to mount in vehicle standard DIN slot  
Built in GPS facility provides basic device location services  
Equipped with standard fist microphone & bluetooth capability



# iTALK450 PTT Mobile Radio

## KEY FEATURES AND BENEFITS

### • Compact Design and Easy to Install

The iTALK450 has been designed to be easily & quickly installed in modern vehicles where dash space is at a premium. Designed to be installed in a standard vehicle DIN slot the iTALK450 provides significant functionality in an easy to install package.

### • Dual SIM Cards ensure Redundancy

Dual SIM slots provide the users with the option of redundancy in the event of network or coverage failure, the iTALK450 will automatically switch SIMs to the other 2G/3G network.

### • Accurate Device Positioning Using A-GPS

Assisted GPS provides enhanced device positioning using improved time-to-first-fix data provided by the cellular network. The A-GPS service provides accurate device location in built up city and dense urban areas where satellite GPS signals may be poor or unreliable.

### • Two Way Radio Features are Maintained for User Ease of Operation

The iTALK450 terminal has been designed to look and operate like a traditional in-vehicle two-way radio terminal a standard or optional keypad fist microphone for reliable, well known and easy to use method of operation.

### • Flexible Call Features and Over the Air Programming

The iTALK450 provides typical two-way radio voice services such as individual, group and all calls, alerts for incoming and progress of outgoing calls, voice announcement for cellular & Wi-Fi network access and 3 pre-programmable or over the air programmable one touch buttons for sending regular text message or selecting operational groups.

### • Device Message Recording and Playback

The iTALK450 has the ability to record voice message from the iTALK Dispatch system for playback when the driver returns to the vehicle. In-built echo suppression and loud & clear audio delivered by the high quality internal or optional external speaker ensure that stored messages are heard loud & clear.

### • Powered by Vehicle Battery for Reliable Continuous Operation

The iTALK450 can operate on voltages between 8 to 36 volts DC which eliminates the need for voltage converters in heavy vehicles.

### • Strong Expansion Capability

The Wi-Fi and Bluetooth features of the iTALK450 terminal allow expansion of standard functionality.

## SPECIFICATIONS

### General

|                                     |   |
|-------------------------------------|---|
| Communication Mode & Frequency Band | 3G: WCDMA 850MHz+ 900MHz+ 1900MHz+ 2100MHz<br>2G: GSM 850M+900M+1800M+1900MHz<br>WIFI: 2.4/5Ghz   |
| Operating Temperature               | -30°C ~ + 60°C  |
| Storage Temperature                 | 40°C ~ + 80°C   |
| Power Supply                        | DC 8-36V (Typical DC 12.5V), meet with ISO7637  |
| Dimension (H*W*D)                   | 43.4mm*152.6mm*50.7mm   |
| Weight                              | 280g  |
| Display                             | 160*128 pixels, monochrome LCD screen   |
| Dustproof & Waterproof              | IP54  |
| Ports                               | 1 X power port (can connect ACC power of vehicle)<br>1X microphone port, 1x USB port<br>1x WCDMA/GSM wireless port, 1 x GPS antenna port<br>3 x Card slots (2 x SIM card slots, 1x TF card slots) |

### Transmitter

|                     |   |
|---------------------|---|
| RF Power Output     | (2G) 2W ± 0.5W / 33.5dBm ± 1.5dB<br>(3G) 0.25W ± 0.1W / 24dBm ± 1.5dB |
| Frequency Stability | ± 0.1 ppm   |
| Audio Distortion    | 5% (typical)  |

### Receiver

|                        |  |
|------------------------|--|
| Frequency Stability    | ± 0.1 ppm  |
| Sensitivity            | (2G) BER < 0.001 $\hat{I}$ or = 1 $\mu$ V / -106.7dBm<br>(3G) BER < 0.001 $\hat{I}$ or = 1 $\mu$ V / -106.7dBm |
| Rated Audio Power      | 1W   |
| Rated Audio Distortion | 5% (typical)   |



## STANDARD ACCESSORIES



Bracket



Power Cable



3G Antenna



GPS Antenna



Hand Microphone KME-231



**Kirisun Communications Co., Ltd.**

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