ⓐⓘ RADIO-TONE

Smart Phone Mobile Radio-Style Talk Kit

RT-SMK1H / RT-SMK1F

User's Guide

Important Notice

Thank You Notice

Thank you for purchasing RT-SMK1H/RT-SMK1F Smart Phone Mobile Radio-Style Talk Kit. Please read this User's Guide carefully before putting RT-SMK1H/RT-SMK1F into operation. Support for the RT-SMK1H/RT-SMK1F is available by email. Please direct all questions via email to **support@radio-tone.com**. Your question(s) will be answered promptly.

Electrical shock hazard

- Never attempt to connect the unit to any power network other than one for which it was intended.
- Do not open the housing of the units.
- Disconnect the unit from any power supply and from all other devices if a fault occurs.
- Install the unit only in a dry place protected against the elements.
- If you are uncertain about the safe operation of the unit, shut it down immediately and secure it to prevent any unauthorized start-up. Safe operation is no longer possible, for example,
    - if damage is visible to the unit or the cables,
    - if the unit no longer operates correctly,
    - if objects have penetrated inside the unit,
    - after long storage under improper conditions

Have the system checked by qualified, specialist personnel in such cases.

Installation and operation

- Before installing or operating the system, ensure that you have read and understood the documentation for other equipment connected to the unit. These contain important safety notices and information concerning permissible applications.
- Perform only the installation and operating work described in this guide. All other work beyond this may lead to injuries to persons and damage to the system or other equipment.

Major Operating Controls, Terminals and Their Functions

1. Power ON/OFF Switch
This is the power on/off switch of the kit. When use external USB power source, this switch is sliced to left hand side.

2. Volume Control Buttons
These switches are used to control the volume of connected mobile phone (work for most Android phones. Maybe no effect for some old phones.).

3. Smart Phone Connection Plug
This plug is used to plug into the earphone terminal of mobile phone, like Samsung Android Phone.

4. Status Indicator
This indicator shows the status of RT-SMK1. Blink means stand-by and light up means push and hold PTT.

5. Microphone & PTT Terminal
This terminal is used to connect Hand Microphone and Tie Clip Microphone.

6. USB Power Source Terminal
This terminal is used to connect to external DC5V power source.

7. Battery Holder
Put 2 AA standard batteries as power supply of the kit.

8. Microphone
This is microphone for picking up voice.

9. PTT Button
This is PTT button. Voice message will be transmitted when push-and-hold this button.

Repairs and maintenance

Never open the housing of the RT-SMK1H/RT-SMK1F. The unit contains no parts which you can repair or replace. Ensure that only qualified, specialist personnel (electrical technicians) are permitted to carry out maintenance or repair work.

Disclaimer

- This product is used to link up the radio networks and IP networks. Its operation and performance rely on the broadband network connections via private and/or public networks. Due to the stability and reliability of these networks, this product may not be able to link up all the networks connected without any interruptions. Therefore, it is not recommended to use this product in an emergency system or a communication system with zero-failure.
- This product can bridge and extend radio networks all over the world. Please consult your local regulations in order to use this product legally.
- Customers and/or users are taking full responsibilities and all risks in using this product. We are not responsible for any direct or indirect losses caused by, but not limited to, communication failures as a result of product failure or network problems

Preface

The RT-SMK1H and RT-SMK1F Smart Phone Mobile Radio-Style Talk Kits are the perfect accessory for turning your smart phone into a traditional mobile radio-style PTT device, brings you the fast and stable push-to-talk communication anytime and anywhere over the world!

Key Features

The key features of RT-SMK1H/RT-SMK1F are:

- **Excellent Voice Quality 3W Output**
- **Remote Mobile Phone Volume Control (Maybe n**
- **Operate By 2 AA Batteries or External DC5V Power Supply**
- **Hand Microphone with PTT Button (RT-SMK1H only)**
- **Tie Clip Microphone with Finger PTT Button (RT-SMK1F only)**
- **Support Different OS Smart Phones**

Product Descriptions

Packing List

- RT-SMK1H/RT-SMK1F Smart Phone Mobile Radio-Style Talk Kit x 1
- Hand Microphone with PTT Button x 1 (RT-SMK1H only)
- Tie Clip Microphone with finger PTT Button x 1 (RT-SMK1F only)
- USB Power Supply Cable x 1
- 2 USB Port Cigarette Lighter Adapter x 1
- This User's Guide x 1

Installation

Simple System Connection Diagrams

- Insert 2 AA batteries or connect micro USB cable to DC5V power supply.
- Plug in the Hand Microphone / Tie Clip Microphone to the RT-SMK1.
- Plug in the RT-SMK1 to a smart phone.
- Turn on the power RT-SMK1, the status indicator will blink.
- Install communication apps, such Azetti PTT/PoC, Zello.

Specifications

Power Supply	: 2 AA Battery, or DC 5V Micro USB Jack
Power Consumption	: 20mA (stand-by), 200mA (maximum)
Control Buttons	: Vol Up and Vol Down on speaker, PTT on microphone
Smart Phone Connection	: 4-pin 3.5mm Phone Plug
Microphone/PTT Terminal	: 3-pin 3.5mm Phone Jack
Audio Output Power	: 3W (maximum)
Dimensions	: 192(W) x 113(D) x 80(H) mm (packing)
Weight	: 520 g (with packing)

- *Weight and dimensions indicated are approximate.*
- *Specifications are subject to change without notice.*

Apps Setup

Setup Azetti PTT/PoC App

- Run the Azetti **PTT** app.
- Enter *Provider Code*, *Username* and *Password* when you 1st time setup.
- Press the [**MENU**] button to pop-up the menu.
- Press the [**Settings**] item to open the setup menu.
- Press the [**Devices**] item to open the device setup menu.
- Confirm the setting of [**Handset**] is selected as "**Press and hold**".
- Press the [**BACK**] button to exit setup.

Setup Zello App

Android Version

- Run the **Zello** app
- Add an account when you 1st time setup.
- Press the [**MENU**] button to pop-up the setup menu.
- Press the [**Options**] item to open the Options setup menu.
- Press the [**Under the hood**] item.

  Press the [**Map**] icon to map the PTT key.

  Press the PTT button of RT-SMK1 connected microphone, the PTT key of handset should be mapped.

  Select the [**Hard button action**] value as "**Hold to talk**".

  Press the [**BACK**] button to exit.

iOS Version

- Run the **Zello** app
- Add an account when you 1st time setup.
- Press the [**Options**] item to open the Options menu.
- Press the [**Settings**] item to open the settings menu.
- Press the [**PTT button**] item open the PTT button menu.

  Press the [**Action**] item to select the "**Press and hold**".

  Press the [**BACK**] button to exit.

Operation

After the RT-SMK1 is installed and the app is setup correctly, the Smart Phone Mobile Radio Style Talk Kit can be operated like a traditional mobile radio. You are ready to start your PTT experience!

Note: (1) The Zello Android works in true PTT mode, but the iOS version functions only in Toggle mode.

(2) If you use iOS Zello, you MUST plug in the RT-SMK1 into your smart phone before run the app, otherwise, the PTT button is disabled by the app.

(3) The volume buttons don't function on iOS and some Android smart phones.