Mini Radio Quick Start Manual

Properties
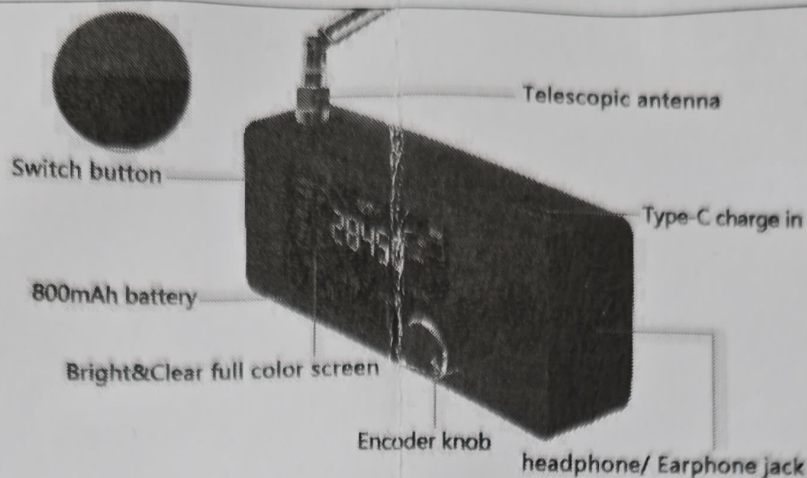
Model Name	Mini Radio
Physical Size	80mm x 35mm x 20mm (Does not include protrusions)
Weight	57g
Frequency Range	LW, MW,SW (150kHz - 30MHz)
	VHF(64-108Mhz)
Working Mode	FM/AM/LSB/USB
AGC/ATT	Support
Quick mute	Support
Audio amplifier	Support (maximum 5W)
Built-in speakers	1W
External speaker	Support 3.5MM Headphone jack
Antenna interface	SMA-KE (inner hole)
Charging	Type-C USB 5v/0.5A(Support overcharge and overdischarge protection)
Battery Capacity	800mAh

How to use

1. Please charge the device first, use USB-TypeC 5V 0.5A to charge
2. Turn on the switch button
3. Rotate the encoder to adjust the frequency
4. Enter the menu page: Click or double click (with different firmware, the operation is slightly different)
5. Rotate the encoder to modify the volume

Notice

1.Antenna: Please connect the antenna before use, and do not damage the interface with force.
2.Battery: Please use a good power adapter for charging, and 5V 0.5A current is required when
3.charging.
4.Power: Please pay attention to the remaining power at any time, and charge in time when the battery is low.
5.Volume: You can enter the volume adjustment function by default after clicking the button. The appropriate volume will protect your ears and speakers. You can also connect and use 3.5mm headphones.
6.Function: The software is based on open source projects, and you can freely develop software systems.
7.USB upgrade: Support USB upgrade firmware, you can also use Arduino for upgrade, please refer to the open source project for details. You can find all the firmware upgrade tutorials on our website: http://www.mini-radio.com
8. Since this product is an open source product, all players can participate in the modification and design of the firmware. Therefore, if the machine is damaged by the user's own updating of the unofficial firmware, please repair it by yourself, and the seller does not assume the relevant responsibility. This manual is for the current firmware only.

Switch button

Telescopic antenna

Type-C charge in

800mAh battery

Bright&Clear full color screen

Encoder knob

headphone/ Earphone jack

Function Configuration

Note: With firmware updates, the system's interface and operation may change slightly.

Official Firmware

	Menu	Option	Explain
1	BAND	ALL/VHF/SW/HF	Can switch between different frequency bands
2	Mute	ON/OFF	Hardware controlled speaker mute
3	Volume	0-63	Adjust speaker volume
4	Step	5/10/20/100	Default step changes for different bands
5	Mode	FM/AM/LSB/USB	The modulation mode will change in different bands
6	BFO	ON/OFF	Offset settings
7	BW	1.0/1.8/2.0/2.5/3.0/4.0	
8	AGC/ATT	ON/OFF/0-34	
9	SoftMute		
10	Seek Up		
11	Seek Dn		

G8PtN Firmware

Menu	Parameter	Parameter	Function	Comments
1	Band	Select band data from the internal band table	VHF	
2	Mode	Select Mode (FM, AM, LSB, USB)	FM	
3	Volume	Adjust volume level	35	
4	Step	Adjust frequency step	100 kHz	Mode and Band specific
5	Bandwidth	Adjust filter bandwidth	Auto	Mode specific
6	Mute	Mute/Unmute the volume	Off	
7	AGC/ATTN	Adjust AGC and Attenuation FM AM SSB	 AGC ON AGC ON AGC ON	Mode specific
8	SoftMute	Adjust Softmute (Max Attn)AMSSB	4 dB4 dB	Mode specific
9	AVC	Adjust AVC (Max Gain)AMSSB	48 dB48 dB	Mode specific
10	Spare 1	Spare	N/A	
11	Seek Up	FM, AM seek up	N/A	Exit using rotary encoderUp/Dn
12	Seek Dn	FM, AM seek down	N/A	Exit using rotary encoderUp/Dn
13	Calibration	Adjust calibration offset	0 Hz	Applicable for SSB onlySeparate value per band
14	Brightness	Adjust display brightness level	128	
15	Spare 2	Spare	N/A	