Mini Radio Quick Start Manual

Produced and manufactured by AMNVOLT

Properties

Model Name	ATS MINI
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
5. Rotate the encoder to adjust 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.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 the firmware upgrade tutorials on our website: https://atsmini.github.io/

7. 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.

Function Configuration

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

Firmware Version: Ver1.01				
Many thanks to @OM0ET and Dave for their selfless and outstanding contributions to this radio!				
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) AM SSB	 4 dB 4 dB	 Mode specific
9	AVC	Adjust AVC (Max Gain) AM SSB	 48 dB 48 dB	 Mode specific
10	Spare 1	Spare	N/A	
11	Seek Up	FM, AM seek up	N/A	Exit using rotary encoder Up/Dn
12	Seek Dn	FM, AM seek down	N/A	Exit using rotary encoder

				Up/Dn
13	Calibration	Adjust calibration offset	0 Hz	Applicable for SSB only Separate value per band
14	Brightness	Adjust display brightness level	128	
15	Spare 2	Spare	N/A	