

H-6686 radio brief description

This machine is made by foreign open source project and adopts NXPTEF6686 chip, with good selectivity and high sensitivity.

Receiving range: **AM 144KHZ-27MHz , FM 65MHz-108MHz**

Name of each part:

- 1 The BW Bandwidth selection button: the MODE mode button
- 2
- 3 STANDBY Standby button (FM auto search) TUNE tuning knob
- 4
- 5 SQUELCH Noise knob VOLUME switch + volume knob
- 6
- 7 8 AERIAL SMA The antenna port is the DISPLAY display screen
- 9
- 10 Headphone jack USB charging port



Description of each button:

- BW: Short press this key to switch between different bandwidth (or automatically);
- BW LONG PRESS: Long press this key to switch between mono sound or automatic stereo sound;
- MODE: Short press this key to switch between manual tuning or automatic search, or close the menu;
- MODE LONG PRESS: Long press this key to enter the menu;
- STANDBY: Short press this key to switch between AM and FM;
- STANDBY LONG PRESS: Long press this key to close the screen;
- TUNE PRESS: Short press this key to switch the step length (between automatic/10kHz/50kHz/100kHz) or the operation menu;

- TUNE LONG PRESS: Long press this key to switch the channel equalizer/ or Multipad Filter/ or exit from the menu;
- SQUELCH: Press this key to set the noise level, when completely clockwise, Stereo sound static noise is in an active state;
- VOLUME: Machine switch/ volume size adjustment knob.

6686 Play machine tips:

1 Hold to close the stereo; hold to open the menu; hold to close the screen. 2 3

FM auto search: Press the MODE key and turn the TUNE tuning knob. 2 4

Friendly reminder: the machine currently has no storage function!

In the MODE menu, you can set up the following:

2 Press the MODE key to enter the menu display (as shown below), and then select up and down through the TUNE tuning knob on the right. If there is a adjustment option, press the TUNE key, and press the MODE key to save and exit the menu. 4 4 2



1. Volume (audio level)
2. Converter offset (local oscillator frequency for any of the converter used)
3. Low band edge (lowest frequency option)
4. High band edge (highest frequency option)
5. Level shift (signal meter deviation due to cable loss or antenna amplifier/converter gain)
6. The stereo-separation threshold (adjust channel separation if signal intensity is below this value)
7. High tangent frequency (cut-off frequency for high point of low signal intensity)
8. High cut threshold (belongs to the previous option, this is the following signal value should activate the previous option)

9. Low level threshold (if the signal becomes very weak, data crosstalk across the entire circuit can be heard in sound. With this option, you can delay low signal intensity streams, ideal for DX)
10. Display brightness (TFT contrast)

This machine uses a dual protection circuit, full of self-stop.

The 7,000 mAh battery will flush it out for about 7-8 hours.

Voltage display is not accurate only for reference, when the voltage is lower than 3.5V recommended charging.

Long press the red button is to turn off the stereo, when the signal is weak can try to turn off the stereo to reduce the noise. You can also try long pressing the frequency knob to open or close the IMS and EQ to reduce the noise.

Instructions for using the second-generation machine

The second generation machine has optimized the structure of the button USA charging port headphone jack. The impractical 5 knob is removed (this knob is not practical for portable machine), the BOOT brush machine button position is changed, the brush machine does not need to be dismantled, increase the charging indicator light to shorten the body by 0.5 cm



Press the No. 3 button to select the band, and press the No. 2 button to switch the band frequency channel. Turn the number 4 knob to select the channel in the channel mode, and press the number 1 key twice in the channel mode to store the current frequency to the selected channel. Maximum mixing storage of 30 frequencies.

Select the meter wave with the knob number 4 in the shortwave frequency band.

Brush machine method

The USB port of the computer connects to the charging cable of the C port. (Be sure to data line) connect bang 6, prepare to brush machine.

Install CH34x on the computer.....beginning the driver. Click on the installation.

Installed successfully.

Computer desktop on the bottom left corner of the right mouse button. Device Manager, find the port number of the CH34 high head and remember the port number (COM*)

Open the back cover. (The second generation machine of two knobs does not need to open the machine, and the BOOT button of the second generation machine is in the headphone jack.) There is a small BOOT button on the motherboard of H 6. H 6866 in shutdown state. Hold down the boot button. (Just poke the headphone jack with a toothpick.) Turn on your right hand and release the boot button. Double-click on the file, " Step 1..." (to clear the memory first. Enter a string slogan (COM*). Return to the car, clean up the bang 6 memory, the computer shows that press any key to continue. Press any key.

Turn off the machine again. Hold down the button with your left hand. Start the right hand and release the boot button. Right hand mouse click on the download file "second step ..." (start brushing firmware, input string slogan (COM*). You can see that a lot of the percentage of the numbers is changing.) After brushing, press any key to continue. Press any key.

Bang six shut down. You can use it again.