

Instruction manual for UV-K5 HF CEC 0.5 Firmware (Fullband receive version)



Activate HF Receiver

Press and hold '0 FM' key to switch to HF reception mode. Click the **EXIT** button to end.

Mode change

Pressing the 'F' key changes the mode:

- Short press 'F' to change to AM<->FM or LSB->USB->CW.
- Press and hold 'F' to change to AM or FM <-> SSB or CW mode.

AM-USB-LSB-CW: 0.150 to 30 MHz
FM: 70 to 108MHz

Band Plan

In HF reception mode, briefly press '0'.



If you press '0' again, the next page will be displayed. In the case of a band that includes the current frequency, it will be highlighted as shown below.



In the band plan, press the number button on the far left to move to the corresponding band.



If you press '0' again, the band plan will disappear.

The last used frequency is saved for each band. It is saved when you press the 'EXIT' button in HF reception mode. If you want to save the last information, press the 'EXIT' button to exit.

When you select a band from the Band Plan menu, the mode appropriate for that band is automatically set.

Introduction to displayed items

In the picture below, **Part A is the frequency and mode** currently being received. **Part B is BFO.**

The SI4732-A10 chip can receive SSB, AM, and FM. However, the minimum frequency change unit is 1Khz.

If you want to finely change the frequency below 1Khz, change the BFO. You can use BFO as a fine tune. Naturally, BFO can only be used in SSB/CW. Using the BFO menu and side buttons you can change BFO in 5Hz steps. Using buttons 1 and 4 you can change BFO directly in 10Hz steps.



Example: 14.050.080Mhz Main Freq : 14.050, BFO 080

Band of the frequency currently being displayed.

Bands used in conventional shortwave radio are combined with those used in amateur radio.



Part A scrolls according to frequency. The underlined part of the band name is the current band. In the picture above 20M is underlined

Part B indicates whether it is a HAM band or a shortwave broadcasting band. Note: 27MHz (CB range) is displayed as a HAM band although is not a HAM band really.

Direct Input Frequency

If you press any number (**except 1 and 4 buttons**), direct frequency input mode will be activated.



Enter the desired frequency. When you press the '**EXIT**' button, the direct frequency input mode is canceled.



When all frequencies are input, the band appropriate for the frequency is automatically set.

Signal meter & RSSI, SNR values

Signal display follows the standard from S4 and above. Reception exceeding S9 is displayed from +1 to a maximum of +20dB. The maximum is +20dB.



Frequency change, change of various values

To change the frequency, use the **UP/DOWN** buttons. Frequency step changes from large to small increments:

1Mhz -> 500Khz -> 100Khz -> 50Khz -> 10Khz -> 5Khz -> 1Khz

The current value is underlined at the bottom of the main frequency.

Values can be changed using only menu button ('M') and side buttons (two switches below PTT)



Part A refers to the value that changes when the SIDE button is pressed.



When you press the menu button ('M'), the selection changes.



The current value of the selected item is displayed. In the picture, the BAND item is selected and the current value is 20M band.

Part A currently displays each item. If small letters are difficult to read, press the 'M' button and look at the bottom line.



Changing Band Width (BW)

Press '**M**', select **BW** and you can change band width from the following values using the side buttons:

4KHz (default) – 3KHz – 2.2KHz – 1.2KHz -1KHz – 0.5KHz

Changing LNA values (Low Noise Amplifier)

Press '**M**', select **LNA** and you can change band width from the following values using the side buttons:

ATT 0 (default) – ATT 5 – ATT 15 – ATT 26 – AGC ON

EXAMPLE: let's change the steps: Press the '**M**' button to change the selection to STP (STEP). Currently it is 1Khz.

Press the side button **UP** to change to 10Khz

HINT: press the '* **Scan**' button regardless the menu selection to change STEP at anytime.



EXAMPLE: let's change the band. Press the '**M**' button to select BND (BAND). Current Band is 630M



When you press the side button **DOWN** button, the band below it, L.F., is selected.



You can move to the desired band by pressing the **SIDE - UP/DOWN** buttons as shown in the pictures below:



Dual Receiver

Performs HF reception and V/U reception simultaneously. In regular V/UHF receiver, change 'HF Dual' to 'ON' in the menu.

Caution : If the value of HFDual changes, be sure to turn off and turn on UV-K5.



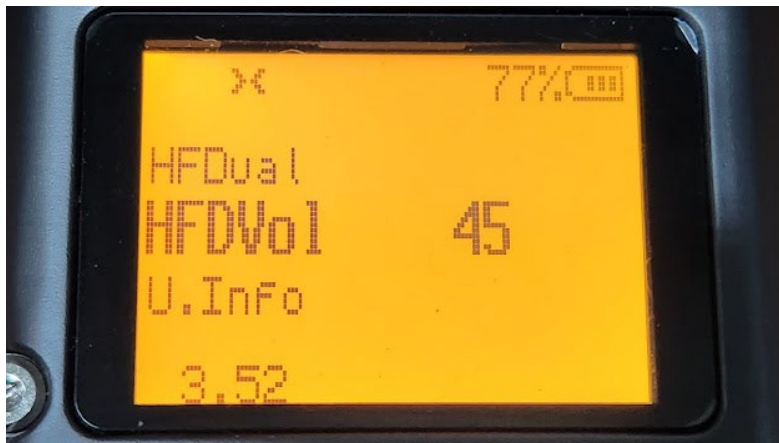
Switch to HF reception mode (press and hold '0 FM'):



Press the 'EXIT' button to return to U/V radio mode. HF reception will continue.



You can adjust the HF reception volume in the *HFDVol* (HF Dual Volume) menu. This is the same function as the BAL (Balance) menu found in high-end handy radios from Kenwood or Icom.



When the 'HF Dual' mode is in operation, the 'DUAL RX RESPOND' mode of the U/V radio does not operate.



You can see a video tutorial in the following link:

<https://www.youtube.com/watch?v=CRzg9YMNnLA>

References:

<http://www.hamskey.com/>

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