



armel /  
**uv-k5-firmware-custom**



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# Menu

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Armel FAUVEAU edited this page 3 days ago · 26 revisions

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# Menu operation

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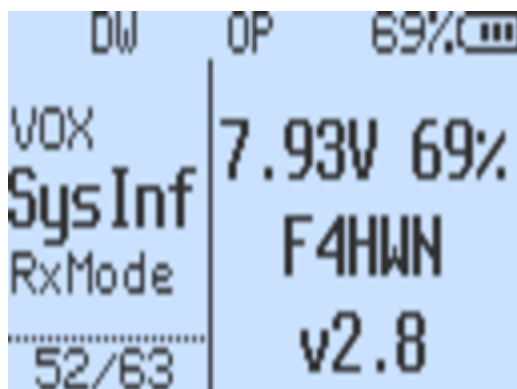
The menu can be accessed with the `M` button (*short press*).

Once in the main menu, the menu items will be displayed on the left-hand side of the screen. The currently selected menu item will be highlighted and current value for that menu item will be shown on the right. Also, at the bottom left side a number of the menu item will be shown, ranging from 01 to the highest number.

To find the menu item to access, the `UP` and `DOWN` arrow buttons may be used, or the **menu item number** (see lists below) may be entered on the numeric keypad. For instance, to access the `SysInf` settings, a number 52 can be entered on the keypad.

Once the desired menu item is highlighted, pressing the `M` button will enter into that menu item.

Once the menu item is selected, pressing the `UP` and `DOWN` arrow buttons will adjust the setting for that menu item. To confirm the selection, press the `M` button. To cancel the selection, press the `EXIT` key.



## Main menu

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The number in front of the menu-item-description is a **menu item number** that can be used for quick selection

1. `Step` - step of the frequency (in kHz), `UP` and `DOWN` buttons change frequency by this value, also you can only set a frequency that is multiple of half of this value.
2. `Power` - radio output power (LOW 1 / LOW 2 / LOW 3 / LOW 4 / LOW 5 / MID / HIGH / USER). Note that USER power can be tune via the `SetPwr` menu (56/64).
3. `RxDcs` - receiver Digital-Coded Squelch, if you enable this, squelch will only unlock if this code is being received. You can start a DCS/CTCSS scan while you are in this menu option by pressing `* SCAN` button
4. `RxTcs` - receiver Continuous Tone-Coded Squelch System, squelch will only unlock if this code is being received. You can start a DCS/CTCSS scan while you are in this menu

this code is being received. You can start a DCS/CTCSS scan while you are in this menu option by pressing \* SCAN button

5. TxDCS - transmitter Digital-Coded Squelch, radio will send given code while transmitting
6. TxCTCS - transmitter Continuous Tone-Coded Squelch System, radio will send given code while transmitting
7. TxODir - transmitter frequency offset direction
8. TxOffs - transmitter frequency offset value
9. W/N - bandwidth used by transceiver
  - WIDE - 25kHz
  - NARROW - 12.5kHz
10. BusyCL - busy channel lockout, blocks radio from transmitting when signal is being received
11. Compnd - compander (compressor / expander), allows signals with a large dynamic range to be transmitted over facilities that have a smaller dynamic range capability, improves audio quality, both radios should use this option
12. Mode - demodulation mode, default is FM, AM / USB can be used for listening only
13. TXLock - enable or disable the channel's transmit mode (if it is not covered by the FLock plan)
14. ScAdd1 - add channel to scan list 1
15. ScAdd2 - add channel to scan list 2
16. ScAdd3 - add channel to scan list 3
17. ChSave - save current setting to a memory channel
18. ChDele - delete memory channel
19. ChName - modify memory channel name
  - Use UP and DOWN buttons to select a channel to edit
  - Press the M button again to enter edit name mode
  - Use UP and DOWN buttons or digits (0 ~ 9) to cycle the letters etc.
  - Press the M button to move to the next character position
  - Repeat above two steps till you reach the end
  - When "Sure?" pops up, press M button to save, or Exit to cancel
  - Press Exit at any time to cancel the edit and return to main menu.
20. SList - selects which channel is used by memory channel scanner
21. SList1 - channels assigned to scan list 1
22. SList2 - channels assigned to scan list 2
23. SList3 - channels assigned to scan list 3
24. ScnRev - scan resume mode
  - CARRIER - resume scan after signal disappears

TIMEOUT - resume scan after 5 seconds of no signal

- TIMEOUT - resume scan after 5 seconds pause
  - STOP - after receiving a signal, stop the scan
25. F1Shrt - SIDE BUTTON  short press function
  26. F1Long - SIDE BUTTON  long press function
  27. F2Shrt - SIDE BUTTON  short press function
  28. F2Long - SIDE BUTTON  long press function
  29. M Long - M button long press function
  30. KeyLck - auto keypad lock option
  31. TxTOut - max transmission time limit
  32. BatSav - battery save option, a rate between active time and sleep time
  33. BatTxt - additional battery value on the status bar in % or volts
  34. Mic - microphone sensitivity
  35. MicBar - microphone bar that appears while transmitting
  36. ChDisp - channel display style
  37. POnMsg - power on message
  38. BLTime - backlight duration
  39. BLMin - minimal backlight brightness, when the screen backlight turns OFF it will go dim to this value
  40. BLMax - maximal backlight brightness, when the screen backlight turns ON it will turn bright to this value
  41. BLTxRx - backlight activation on TX or RX
  42. Beep - keypad press beep sound
  43. Roger - roger beep at the end of transmission
  44. STE - squelch tail eliminator, eliminates noise at the end of a transmission
  45. RP STE - repeater squelch tail eliminator
  46. 1 Ca11 - one key call channel, lets you quickly switch to the channel with 9 Ca11 button
  47. UPCode - DTMF code that is sent at the beginning of transmission
  48. DWCode - DTMF code that is sent at the end of a transmission
  49. PTT ID - sets if UPCode and/or DWCode should be transmitted
  50. D ST - DTMF side tone switch, lets you hear transmitted tones in the radio speaker
  51. D Pre1 - DTMF pre-load time
  52. D Live - displays DTMF codes received by radio in the middle of the screen
  53. VOX - voice TX activation sensitivity level VOX Setting
  54. SysInf - battery voltage and percentage
  55. RxMode - sets how the upper and lower frequency is used
    - MAIN ONLY - always transmits and listens on the main frequency ( MO )
    - DUAL RX RESPOND - listens to both frequencies, if signal is received on the

secondary frequency it locks to it for a couple of seconds so you can respond to the call ( DWR )

- CROSS BAND - always transmits on the primary and listens on the secondary frequency ( XB )
- MAIN TX DUAL RX - always transmits on the primary, listens to both ( DW )

56. `Sq1` - squelch sensitivity level

57. `SetPower` - sets USER Power

- LOW 1 (< ~20mW)
- LOW 2 (~125 mW)
- LOW 3 (~250 mW)
- LOW 4 (~500 mW, upper limit under PMR band...)
- LOW 5 (~1W)
- MID (~2W)
- HIGH (~5W)

58. `SetPtt` - sets PTT usage

- CLASSIC
- ONEPUSH

59. `SetTot` - sets TOT alert

- OFF
- SOUND
- VISUAL
- ALL ( *VISUAL + SOUND* )

60. `SetEot` - sets EOT alert (useful for pauses between 2 transmissions)

- OFF
- SOUND
- VISUAL
- ALL ( *VISUAL + SOUND* )

61. `SetCtr` - sets LCD contrast

62. `SetInv` - sets LCD inverted (best for night vision)

63. `SetLck` - sets keyboard lock usage

- KEYS
- KEYS + PTT (to prevent accidental transmission)


64. `SetMet` - sets S-Meter design

- CLASSIC
- TINY (as on the Yeasu FT4 or FT-65, for example)

65. `SetGUI` - sets GUI design

- CLASSIC (big font, less informations)
- TINY (small font, more informations)

# Hidden menu

Hidden menu is activated by holding PTT + SIDE BUTTON  while turning on the radio and then Release All Keys.

65. F Lock - sets the TX frequency band plan.

- DEFAULT+ (137-174, 400-470) - allows TX on default bands, plus options Tx 200 , Tx 350 , Tx 500
- FCC HAM (144-148, 420-450)
- CA HAM (144-148, 430-450)
- CE HAM (144-146, 430-440)
- GB HAM (144-148, 430-440)
- (137-174, 400-430)
- (137-174, 400-438)
- DISABLE ALL - disables TX on all frequencies
- UNLOCK ALL - enables TX on all bands (it has additional lock, read a wiki on [how to turn that on](#))

66. Tx 200 - enables TX on 200MHz

67. Tx 350 - enables TX on 350MHz

68. Tx 500 - enables TX on 500MHz

69. 350 En - enables RX on 350MHz

70. BatCal - battery calibration, measure the voltage on the back of the radio, and adjust the value in the menu accordingly

71. BatTyp - battery type, 1600mAh, 2200mAh and 3500mAh battery has very different discharge curve, this is used to calculate battery level percentage

72. Reset - resets radio configuration settings

- VFO - removes only channel settings
- ALL - resets all radio settings

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