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uv-k5-firmware-custom



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Menu operation

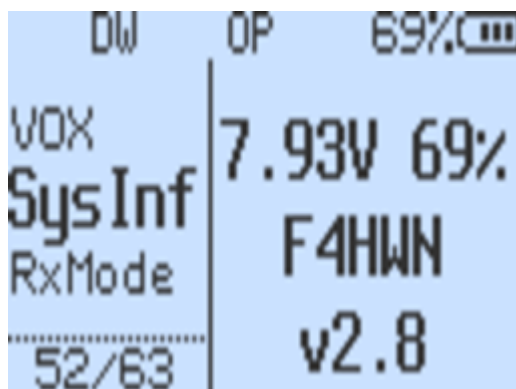
The menu can be accessed with the `M` button (*short press*).

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

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 (57/66).
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 - after signal disappears, pause for [250 milliseconds to 20 seconds] before resuming scanning

Scenes resuming scanning

- STOP - after receiving a signal, stop the scan
- TIMEOUT - resuming scanning after [5 seconds to 2 minutes] pause

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 (OFF or 15 seconds to 10 minutes before automatic keypad locking)
31. TxTOut - max transmission time limit
32. BatSav - battery save option, a rate between active time and sleep time (OFF, 1:1 to 1:5)
33. BatTxt - additional battery value on the status bar in % or volts
34. Mic - microphone sensitivity
35. MicBar - microphone bar that appears while transmitting ( **not available with the old Voxless edition**)
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 ( **not available with the old Voxless edition**)
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. Sql - 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

64. SetMenu - sets menu 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)

66. SetTmr - sets if RX and TX timers are displayed or not

67. SetOff - sets the delay before the transceiver goes into deep sleep (OFF or 1 minute to 2 hours)

68. SetNFM - sets Narrow FM to Narrow or Narrower


Additional menu on RescueOps edition

There are 2 additional menu options with the RescuOps edition

69. SetKey - sets key to activate RescueOps mode upon startup of the transceiver

70. SetNWR - sets NOAA Weather Radio (for USA only)

Hidden menu

Hidden menu is activated by holding `PTT + SIDE BUTTON`  while turning on the radio and than Release All Keys (on RescueOps edition, first index is 71, not 69, because of the 2 additional menu options).

69. 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](#))

70. 350 En - enables RX on 350MHz

71. BatCal - battery calibration, measure the voltage on the back of the radio, and adjust the

value in the menu accordingly

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

73. **Reset** - resets radio configuration settings

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

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