OpenMDUV380 User Interface   22.9.2022

OpenMDUV380 is based on OpenGD77 and so this is not a complete User Guide it just covers the User interface so that you know which buttons on the MDUV380/RT3S have the same function as which buttons on the GD77. I have included some Useful Key strokes for some of the more complicated functions but for all of the functions of OpenMDUV380 you need to read the OpenGD77 User guide. If you don't have it, then you can find it by going to my OpenGD77 Updates page and using the link you will find there :-

www.spencerweb.net/Downloads/OpenGD77/GD_Updates/gd_updates.html

The underlying GD77 user interface, expects the hardware to have more buttons than the MDUV380/RT3S has, so some compromises have to be made.

Specifically these radios do not have the Left or Right buttons.

The radio also has a rotary control, but this is not the same as the rotary control on the GD77S. The rotary control only senses whether its being rotated clockwise or anti-clockwise, and can be rotated around and around.

SK1 is the button on the left hand side above the long PTT button and SK2 is the button on the left hand side below the long PTT button.

For the VFO and the Channel screen, the firmware uses the Rotary control in place of the Up and Down buttons, because this is the most logical thing to do on these screens, and so rotating the control changes the channel in Channel mode and the VFO frequency in VFO mode.

The front panel of the radio has Up and Down buttons, but as the rotary control is used like the up and down buttons on the GD77. The Up and Down buttons are mapped to the Right and Left buttons in the user interface, so they change the Talk Group on DMR and the Squelch on FM.

The current mapping uses the Up and down buttons to move between items in the menu's and the Rotary control to change items in the selected menu or you can hold SK1 (Top button left hand side) and use the up and down buttons, though this may be removed as it is easier to use the rotary control.

The Green and Red buttons function as for the GD77 with green for menu/ok and red for cancel.

SK1 voices the last change and long press of SK1 all the parameters of the current channel or frequency.

Useful key strokes

Level 1 Voicing Short press of SK1 to voice last change. Long press of SK1 to voice all information Zone,Mode,Channel,Timeslot,Colour code,talk group and Power.

Change time slot   Hit the star/Asterisk button (Press and hold the star button for 2 seconds to remove the override.)

Change power   Hold SK2 depressed and use the up and down arrow buttons.

DMR/NBFM Press and hold SK2 and hit the asterisk/star button to change between modes.

GPS Screen there is a GPS in the Radio Info menu where you can see the GPS position information and this is only temporary as GPS will have it's own menu and the GPS receiver isn't very sensitive so you will probably need to be outside. If you have GPS it will say 'Aquiring' and if you don't then 'no Data'. After some minutes it should display and voice latitude, longitude, time and date.

Clear Last Heard   Long hold on the # key will clear the last heard list.

Scan   Press and hold the up button to start a scan. Press and long hold the down button to stop the scan**.** More scan function coming soon.

Location   Go to the Radio info screen use the arrow keys to cursor down to the location information. Enter all the digits of the latitude first and use the up down keys to select north or south.Then enter all the digits of the longitude and use the up and down keys to select East or West.

Quick Keys Just as with the GD77 you can put menu information on a quick key when your want to access it quickly, for example Last Heard or in channel details things like Receive Frequency etc. Just go to menu's and select the menu item you want on a quick key and then press and hold SK2 and then hit the number key 0 to 9 you want to assign.
To recall the quick key information just press and hold SK2 and hit the number key to select the information
If there are a number of entries in the menu then when you power the radio on it will voice the first entry to cursor down to another entry you need to hit the Cancel button and then cursor to the entry you want to hear then you can exit with the cancel button. When you power off but at the moment when you power on the quick key will return to voicing the first enty in the list.
You can clear a quick key by holding the SK2 button and then holding down the number key until you get the confirm tones which means key cleared.