*Functioning:*

There are 3 buttons:

* MENU;
* PLUS
* MINUS

There are 5 possible cases for menu for the first version, and 6 for the second version:

* **Volume**

For the first version of code:

* + The first line of the displays shows the frequency that it is received in that moment.
  + The second line of the display shows less or more of vertical lines. When the second line shows only 2 lines the volume is at the minimum. The maximum volume is for 32 lines.

88.10 MHz

IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

By default, after 5 seconds of not pushing any button the display becomes:

88.00 MHz

- - - - - MONO

Or

88.10 MHz

TUNED STEREO

While in the Volume menu the user can push the UP and DOWN buttons for adjusting the volume at any moment and the display will immediately become as initial:

88.10 MHz

IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

After 10 seconds of not touching anything the second line would show the RDS info, if the station transmits it (name of the station; song and so on).

For the second version of code the initial screen of the Volume menu:

88.10 MHz T32 S

IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

Here T means tuned. If the radio does not report as being tuned there will be a – instead of T. The next number is a relative reported strength of the signal. The letter S means stereo signal. For mono signal it will be M.

After 3 seconds of not touching anything the second line would show the RDS info, if the station transmits it (name of the station; song and so on).

* **Memorized stations**

When entering into this menu the display shows on 2 lines:

Push UP or Down

to access memory

The frequency that it is received in this moment, while seeing the above 2 lines, is the last frequency setup previously, either by manual scan or by accessing a memorized station.

If there are stations already memorized and the UP or DOWN buttons are pushed the display will become:

M1 88.10 MHz

TUNED SIGNAL 27

If there are no stations memorized and the UP or DOWN buttons are pushed the display will become something like:

M50 N/A

----- SIGNAL 11

The frequency heard will become the frequency displayed, if there is anything in that memory, as displayed. If N/A is displayed only some noise will be heard, because there is no memorized station there.

*If you do not want to loose the station you already setup before seeing entering the memorized stations menu, do not push the UP or DOWN buttons! Just go forward to other menus, by pushing the MENU button again and get in the menu you want!*

* **Autoscan**
  + While in this menu the display will show

AUTOSCAN if you

Push UP or DOWN

* + If you are in the autoscan menu and push either UP or DOWN buttons the second line will change from showing nothing into

AUTOSCAN 88.10

1 89.10 MHz

In the first line the frequency advances from 88.00 to 108.00. Every time a strong enough station is found the second line shows the number of memory where the new station is memorized, and the frequency it was memorized. There are maximum 50 memories. When the scanning reaches 108.00 MHz the filling of memories stop. All the remaining from the 50 memory locations will show N/A when going through them in the previous “Memorized stations” menu.

After the AUTOSCAN operation the radio will go into the first memorized station. *The memories are lost if the power supply is disconnected.*

* **Manual tuning**
  + The display will show something like

manual 88.10 MHz

TUNED SIGNAL 27

Or

manual 88.00 MHz

- - - - - - SIGNAL 11

Short pushes on the Up or DOWN buttons will change the frequency in steps of 100 KHz. Long and continuous pushes of those buttons will change the frequency in steps of 1 MHz.

The frequency displayed and heard when entering the manual menu is the last frequency it was setup by the user, either by a manual operation or by an Autoscan operation.

* **Bass boost**
  + This menu will display

Bass Boost

OFF

And can be changed into ON or OFF by pressing the UP button for ON or the Down button for OFF.

Only the second version has a sixth menu, Force MONO.

The screen will display:

Force MONO

OFF

And can be changed into ON or OFF by pressing the UP button for ON or the Down button for OFF.

***In whatever menu the radio would be, after around 15 seconds of doing nothing the radio will automatically go into the Volume menu.***

After a while the second line of the display will show the information the station eventually broadcasts in digital format, like the name of the station, the song played at that moment and so on. The majority of the Vancouver stations have this kind of digital information.