Once you have downloaded the software on to your windows computer, plug in your programming cable DBH50USB to the USB of the computer. The computer will look for the drivers, you must have internet connection.

When windows have finished loading the drivers, plug in the programming cable on the side of the unit, make sure you remove the water proof cover first.





Open up programming software, click on communication port setting as shown with the red arrow. Choose the appropriate communication port, this will be high lighted.





| C. Communication Port1 | Communication DortE                | Communication Port0    | Communication Part11        |
|------------------------|------------------------------------|------------------------|-----------------------------|
| Communication Port     | Communication Pons                 | C Communication Ports  | Communication Putti.        |
| C Communication Port2  | Communication Port6                | C Communication Port10 | C Communication Port1       |
| Communication Port3    | $oldsymbol{c}$ Communication Port7 | C Communication Port11 | C Communication Port1       |
| Communication Port4    | $oldsymbol{c}$ Communication Port8 | C Communication Port12 | $m{c}$ Communication Port10 |

The first thing you want to do is make sure the communication is working, click on the computer icon with the red arrow. This will show a message Read the data transceiver. Continue ? Press OK, another message will appear Reading the data is finished. This will determine if you have chosen the correct communication port. If you have chosen the incorrect port, a message will appear Saying Test is linking. View the current serial port setting are correct or not, retry or cancel. Go back to step 2 to choose the correct port.



| DBHOUVI_OPT |                         | 25            |
|-------------|-------------------------|---------------|
| D Read      | the data from transceiv | - Continue?   |
|             | the data noni transcent | e. continue : |
|             |                         | e. continue : |

| DBH50M_OPT       | 23             |
|------------------|----------------|
| Reading the data | a is finished. |
|                  | ОК             |

Once you have establish the communication with the DBH50M, click on the Function setup. In this setup you can play around with the setting as you please, One of the features is a FM radio, to activate this function click on the FM Radio highlighted in yellow, turn it ON.

| H50M X  |   |  |
|---|---|--|
| 3 DBH50M 3 DBH50M 39 Radio Channel 10 Squeich Leve Backlight Colou Backlight Colou Backlight Battery Save Voice Prompts Key Beer Beer Vo Tail Eliminator Type FM Radio Current Working Channel Starting Display Direct Channel / Direct Channel / | Image: Channel Name/Frequency     Image: Channel Name/Frequency       Purple     Image: Channel Name/Frequency       Auto     Image: Channel Name/Frequency       1.4     Image: Channel Name/Frequency       Image: Channel Name/Frequency     Image: Channel Name/Frequency | Time out Timer (sec) 180<br>TOT Warning Time(sec) 10<br>TOT Repress Key Time(sec) 0<br>TOT Reset Time(sec) 0<br>VOX<br>Vox Level Off<br>Vox Delay Time(sec) 2.0<br>Vox Prompt<br>Starting Display Character 10 H N<br>Z Z A<br>Inhibit Initialize Operation<br>Eliminate Squelch Tail When No<br>CTCSSOCS Signaling<br>Qlose |

| HOUM          | 🚟 overall machine information    |                          |                             |         |
|---------------|----------------------------------|--------------------------|-----------------------------|---------|
| DBH50M        | Squeich Level                    | 2                        | Time out Timer (sec)        | 180 👤   |
| T Key Setting | Display Model                    | Channel Name/Frequency 💌 | TOT Warning Time(sec)       | 10 💌    |
|               | Backlight Colour                 | Purple 🔻                 | TOT Repress Key Time(sec)   | 0 🔻     |
|               | Backlight                        | Auto 💌                   | TOT Reset Time(sec)         | 0 🗸     |
|               | Battery Save                     | 1:4 👻                    | VOX                         |         |
|               | Voice Prompts                    | English 👻                | Vox Level                   | Off 🚽   |
|               | Key Beep                         | ON 👻                     | Vox Delay Time(sec)         | 20 -    |
|               | Beep Vol                         | 3 🗸                      |                             | 12.0    |
|               | Tail Eliminator Type             | Silence -                | C Vox Pro                   | ompt    |
|               | FM Radio                         | ON -                     |                             |         |
|               | Current Working Channel          | 1 -                      | Starting Display Character  | JOHN    |
|               | FM Radio Current Working Channel | 6 🔹                      |                             | AZZA    |
|               |                                  | . —                      | Inhibit Initialize Operatio | on .    |
|               | Starting Display                 | Custom display 👻         |                             |         |
|               | Direct Channel 1                 | 1                        | Eliminate Squelch Tail      | When No |
|               | Direct Channel 2                 | 1                        | CTCSS/DCS Signaling         |         |

Once you have turned ON the FM function go to the next settings Radio Channels this allows you to customise up to 20 programmed channels, you must enter your local FM frequencies manual. A link to a list of radio station in Australia.

https://en.wikipedia.org/wiki/List\_of\_radio\_stations\_in\_Australia

| 3H50M X           | 202 | overall machine in | nformation |    |                  |                              | 23      |
|-------------------|-----|--------------------|------------|----|------------------|------------------------------|---------|
| DDU SOU           |     | Radio Freque       | ncy        | 23 | ]                |                              |         |
| TO Eurotion Setun |     | Channel            | Fraguancy  | -  | •                | Time out Timer (sec)         | 180 💌   |
| Radio Channel     |     | Channer            | 104 20000  |    | Name/Frequency - | TOT Warning Time(sec)        | 10 👻    |
| 1 Key Setting     |     | 2                  | 100.30000  |    |                  | TOT Repress Key Time(sec)    | 0 -     |
|                   |     | 3                  | 105 10000  |    |                  | TOT Reset Time(sec)          |         |
|                   |     | 4                  | 89,90000   |    | · ·              | TOT Reset fille(sec)         |         |
|                   |     | 5                  | 101,90000  |    | <b>•</b>         | VOX                          |         |
|                   |     | 6                  | 101,10000  |    | <u> </u>         | Vox Level                    | Off 👻   |
|                   |     | 7                  |            |    | •                | Vox Delay Time(sec)          | 20 -    |
|                   |     | 8                  |            |    | •                |                              |         |
|                   |     | 9                  |            |    |                  | Vox Pri                      | ompt    |
|                   |     | 10                 |            |    |                  |                              |         |
|                   |     | 11                 |            |    |                  | Starting Display Character   |         |
|                   |     | 12                 |            |    |                  | Starting Display Character   |         |
|                   | FMF | 13                 |            |    | <u> </u>         |                              | AZZA    |
|                   |     | 14                 |            |    |                  | 🔲 Inhibit Initialize Operati | on      |
|                   |     | 15                 |            |    | isplay 💌         |                              |         |
|                   |     | 16                 |            |    | •                | - Eliminate Squelch Tail     | When No |
|                   |     | 17                 |            |    |                  | CTCSS/DCS Signaling          |         |
|                   |     | 18                 |            | -  |                  |                              |         |
|                   |     |                    |            |    |                  |                              |         |
|                   |     | Close              | 1          |    |                  | Close                        |         |

Then next step is to click on the next function Key Setting, in this function settings you can customise functions to be assigned and to be programmed to any keys on the unit, each button has 2 functions a short press and a long press so you can assign 2 function on a button.

To add the FM function on one of the buttons, choose which button for example (F4 short) button. Click on the arrow pointing down, highlighted in yellow, this will drop down and show all the assign features. scroll down until you see HF Channel this is you FM key, click on it and this will be your assign key to activate FM radio.

| DBH50M_OPT[DBH50M:4     | 76 - 477.9 | 95 MHz][File Na       | ame:new.dat] |     |   |  |
|-------------------------|------------|-----------------------|--------------|-----|---|--|
| Files Model Edit Progra | mming      | Set View W            | /indow Help  |     |   |  |
| 🗅 😂 🖬 🛛 🕫 🙀 📲           | ?          |                       |              |     |   |  |
|                         | TO OV      | rerall machine ir     | formation    |     |   | 8  |
|                         | 2          | 🗣 Radio Frequency 🛛 🕅 |              |     |   |  |
| E 19 DBH50M             |            | Channel               | Ereguency    |     | Time out Timer (sec) 180                | •  |
|                         |            | 1                     | 104 30000    |     | Name/Frequency TOT Warning Time(sec) 10 |  |
|                         |            | 2                     | 100.30000    | _   | TOT Repress Key Time(sec) 0             | •  |
|                         |            | 3                     | 105.10000    |     | TOT Reset Time(sec)                     |  |
|                         |            | 4                     | 89.90000     |     |   |  |
|                         |            | 5                     | 101.90000    |     |   |  |
|                         |            | 6                     | 101.10000    |     | Vox Level Off                           |  |
|                         |            | 7                     |              |     | Vox Delay Time(sec) 2.0                 | ▼  |
|                         |            | 8                     |              |     |   |  |
|                         |            | 9                     |              |     | Key Assignment                          | 23   |
|                         |            | 10                    |              |     |   | F1   |
|                         |            | 11                    |              |     | Long Press Duration[s]                  | Long Whisper   |
|                         | EME        | 12                    |              |     |   | Short None   |
|                         |            | 13                    |              |     |   |  |
|                         |            | 14                    |              |     | PF1                                     | F2   |
|                         |            | 15                    |              |     | Long CTCSS/DCS SEL                      |  |
|                         |            | 17                    |              |     | Short Squaleb Off                       | Short Rework Hit   |
|                         |            | 10                    |              | - 1 |   | FowerHit   |
|                         |            |                       |              | -   | PF2                                     | F3   |
|                         |            |                       | -1           |     | Long Manitor                            | Long   |
|                         |            | Close                 |              |     | Short on the state                      | Short I to the state of the sta |
|                         |            |                       |              |     | Battery Power Indicator                 | Adjust Squeich Level   |
|                         |            |                       |              |     |   | - F4   |
|                         |            |                       |              |     |   | Long Kowl ook  |
|                         |            |                       |              |     | Close                                   | Short  |
|                         |            |                       |              |     |   | HF Channel   |
|                         |            |                       |              |     |   |  |
|                         |            |                       |              |     |   |  |
|                         |            |                       |              |     |   |  |
|                         |            |                       |              |     |   |  |

Once you have assigned all your key settings and function setup, you can now write to the DBH50M. Click on the icon that looks like a hand held radio, a red arrow is pointing at it. This will write to the unit and saves it into memory of the unit. When completed you can now save all your setting by clicking on Files top left side of the software and click on Save As, you can name the save file what ever you like.

Now you are ready to use the DBH50M.

