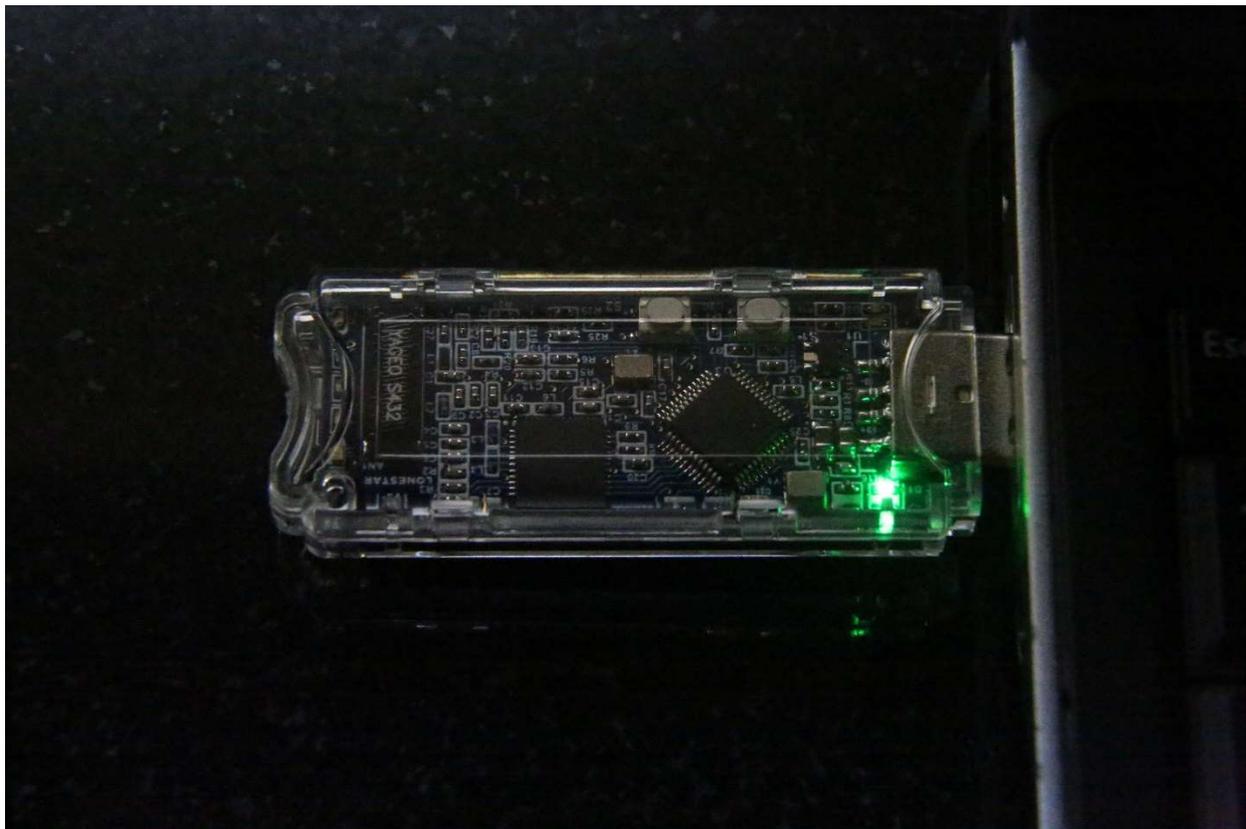




Setup Details:

Serial / USB Mode:

Step 1: Install the USB stick into the USB 2.0 or 3.0 port of your PC.



Step 2:

In most cases the serial driver for the STM32 interface is already installed in Windows 7 and above.

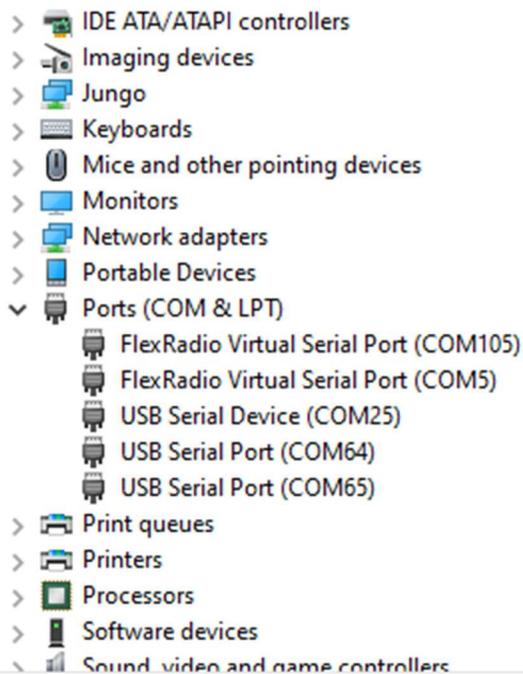
If you find you need to install the drivers they can be found here.

[STM32 Virtual COM Port Driver](#)

Upon installing the stick you will hear the familiar USB install bump sound. Then you will hear a sound like it uninstalled, and then the install sound again. This is the bootloader starting and re-initializing the USB port.

Verify that the stick is working correctly by going to the DEVICE MANAGER.

There you should see under PORTS a device listed as USB Serial Device (COM x)



In this case it appears on COM port 25

Take note of which COM port the USB serial port is on. You will need to know this for BlueDV.



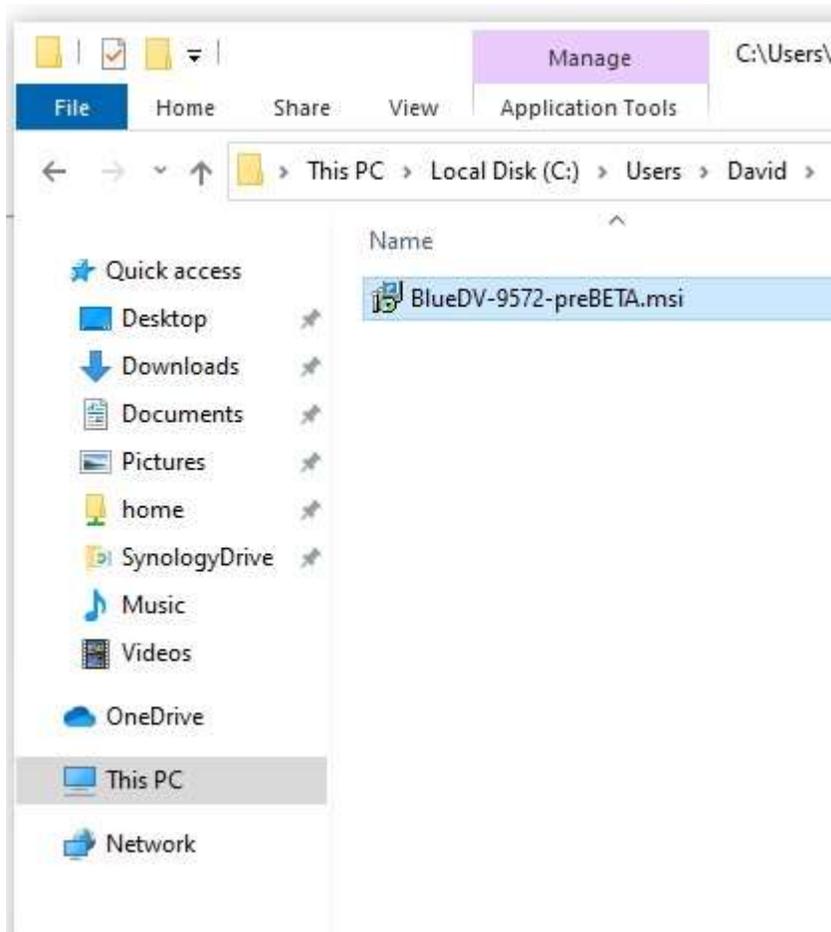
Step 3: Install BlueDV

BlueDV can be downloaded from this location:

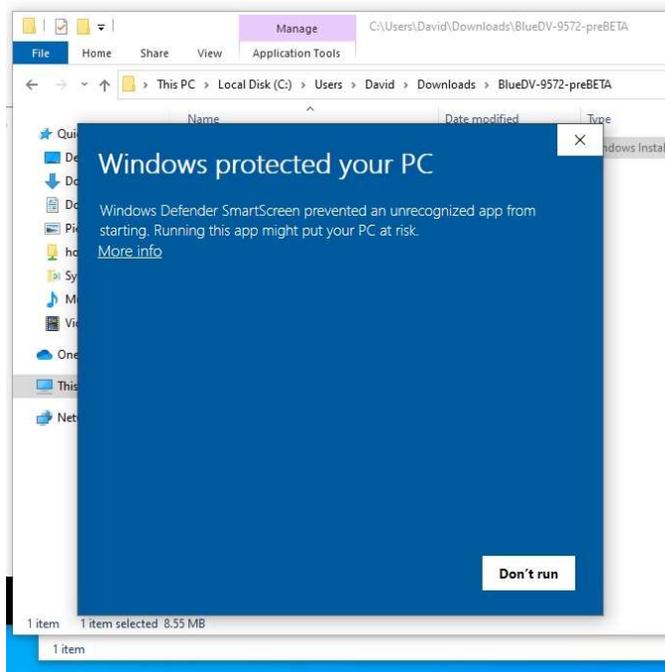
<http://software.pa7lim.nl/BlueDV/BETA/Windows/>

I would recommend installing the stable version to begin with. Later once things are working you could experiment with the Beta versions. But I would not start with this.

Begin your installation by double clicking on the msi file you just downloaded.



In windows 10 you will get a warning that the publisher is not recognized.

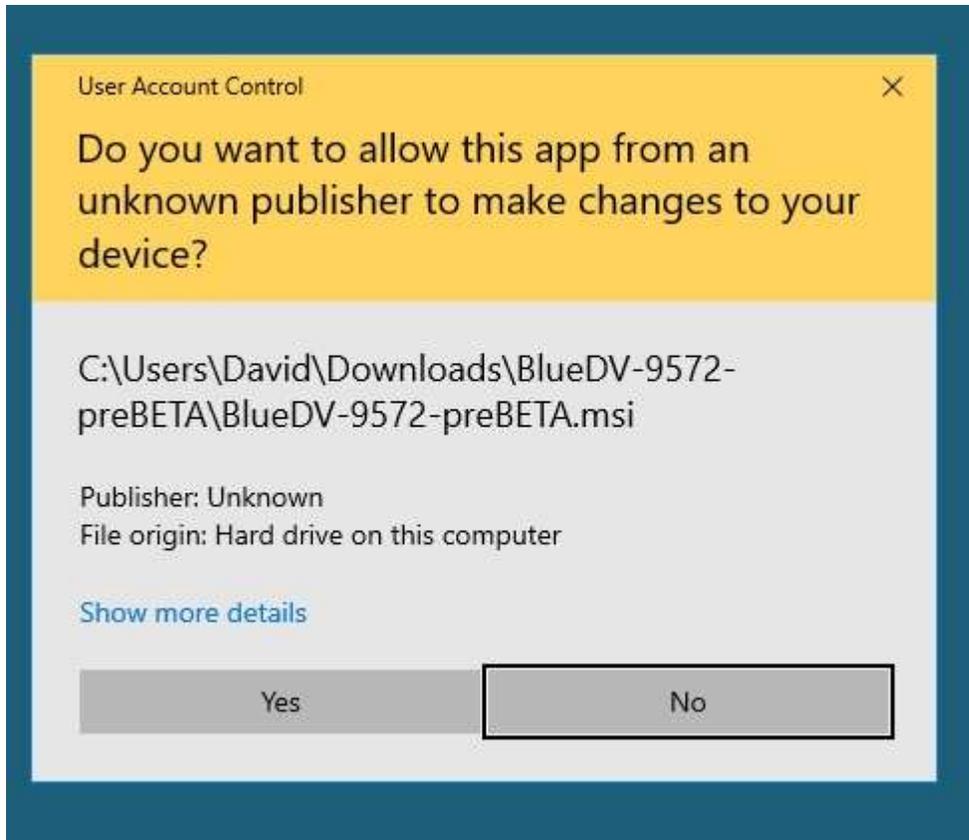


Here you want to click on More info
This will reveal the option to Run Anyway:



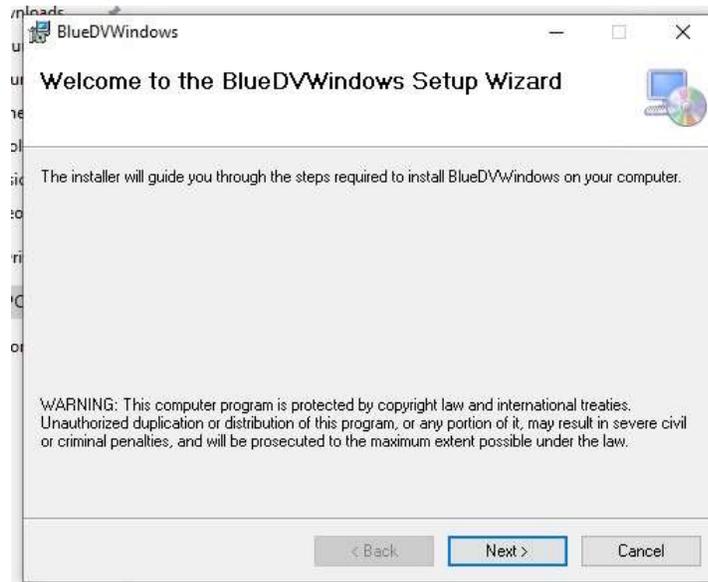
Select this option. Trust me! 😊

Next you will get yet another warning. This is known as the UAC warning.

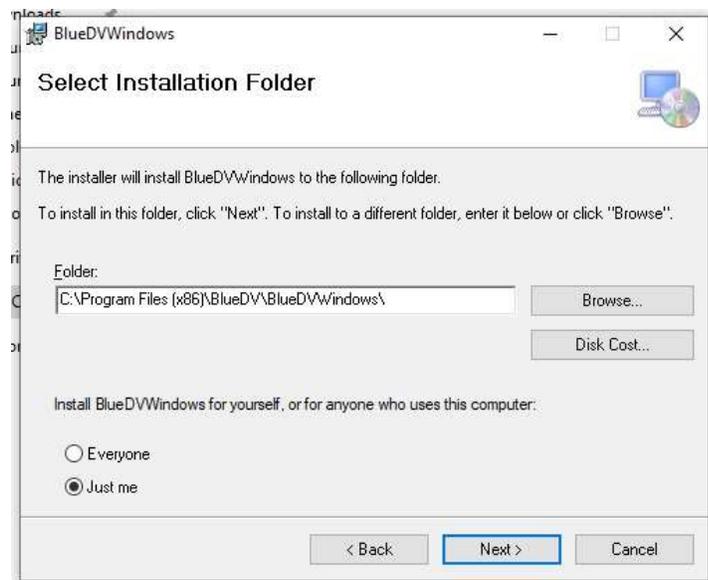


Go ahead and select **YES**.

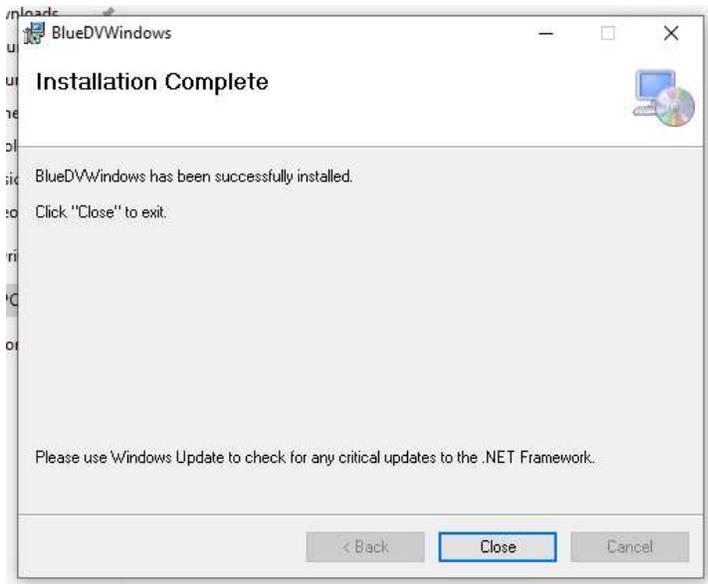
Next you will see the BlueDV install screen



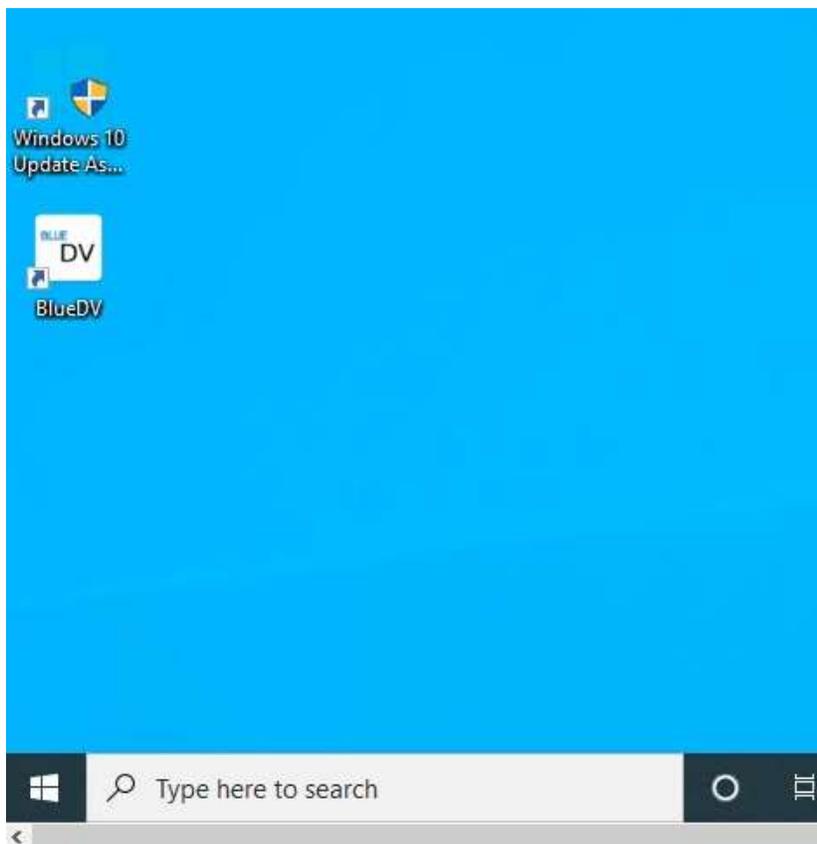
Allow it to install to the default folder. This is fine.



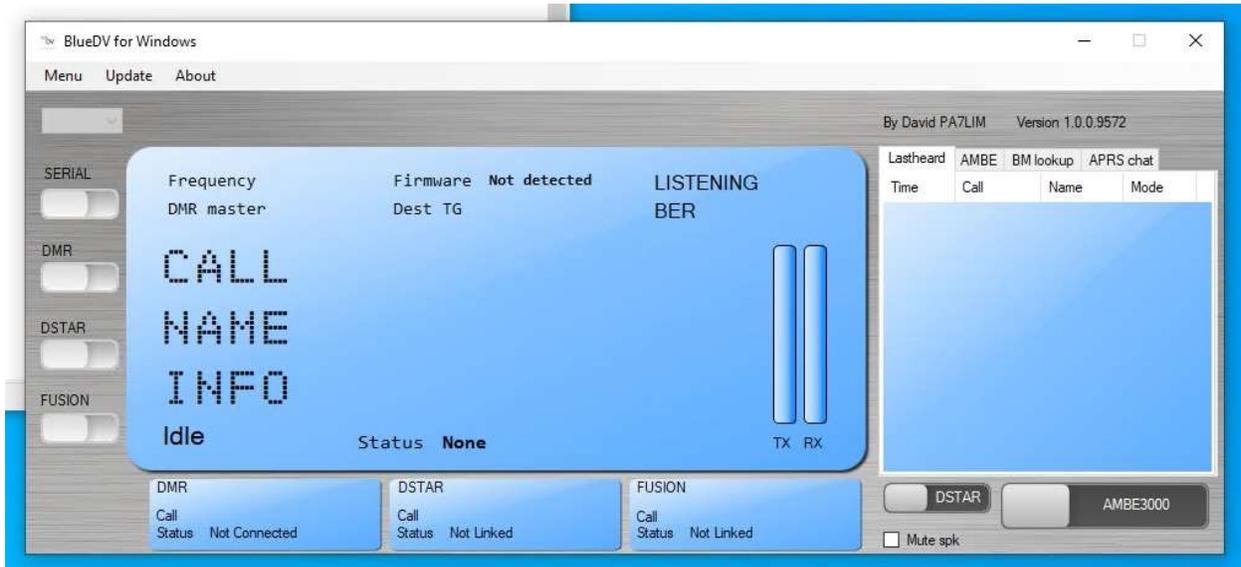
Once it is successfully installed you will be greeted with this screen.



You should now have an icon on your desktop you can use to start BlueDV.

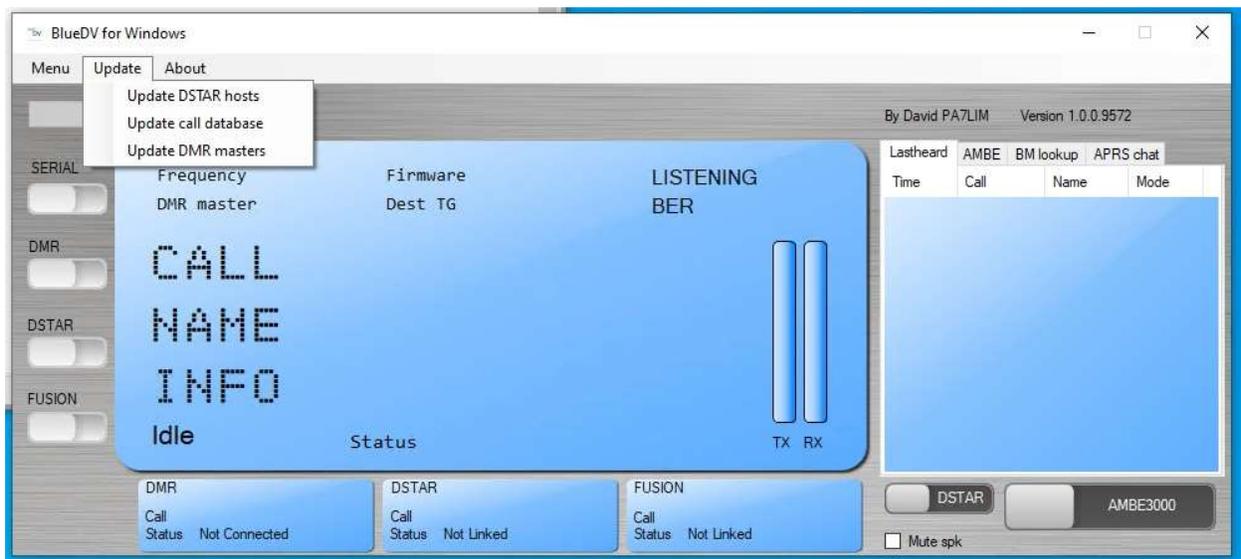


Upon first start BlueDV will look like this:

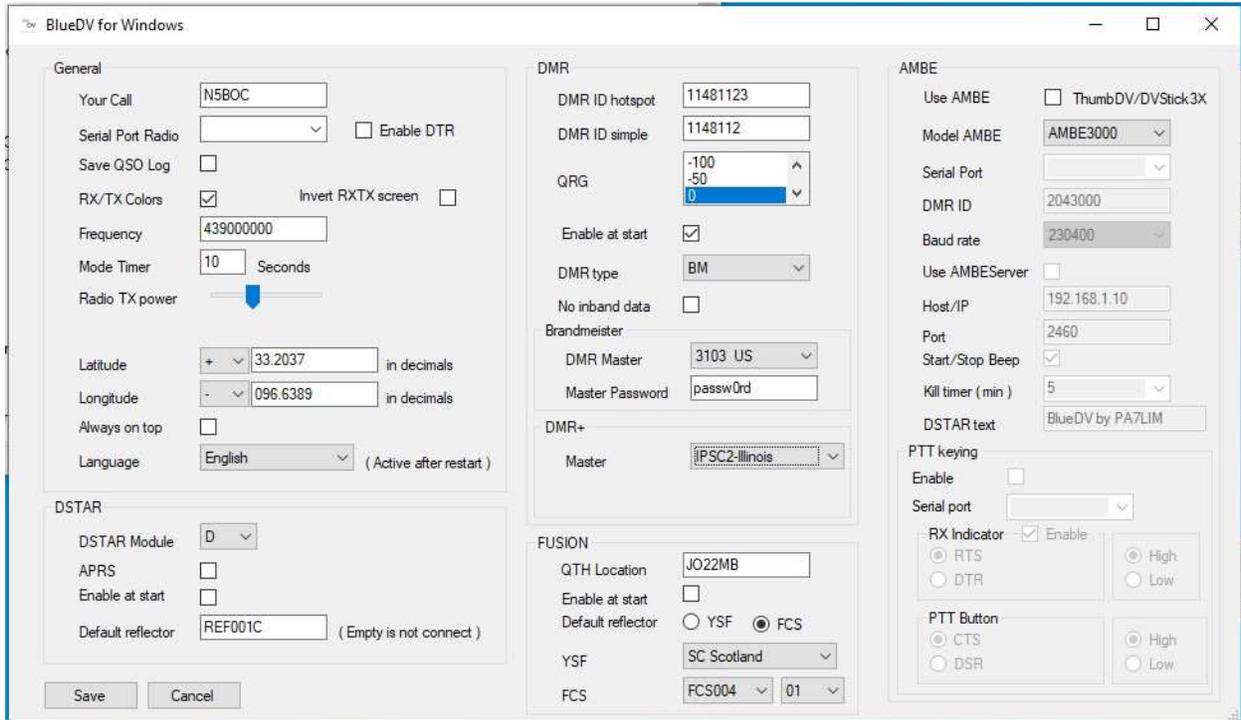


Most of these instructions are geared toward DMR. But D-Star and Fusion are not all that much different.

The first thing you want to do is UPDATE the DMR masters and call sign database.



Next you should select MENU and then SETUP in order to setup BlueDV
When you do you will see this screen



Most of the fields are self-explanatory as they are standard DMR parameters.

It should go without saying you have to enter your DMR ID and set the frequency to match what you have in your codeplug.

But to make it run you must set the Serial Port Radio field to match the COM port you found by looking at the DEVICE MANAGER screen.

Now select **SAVE**.

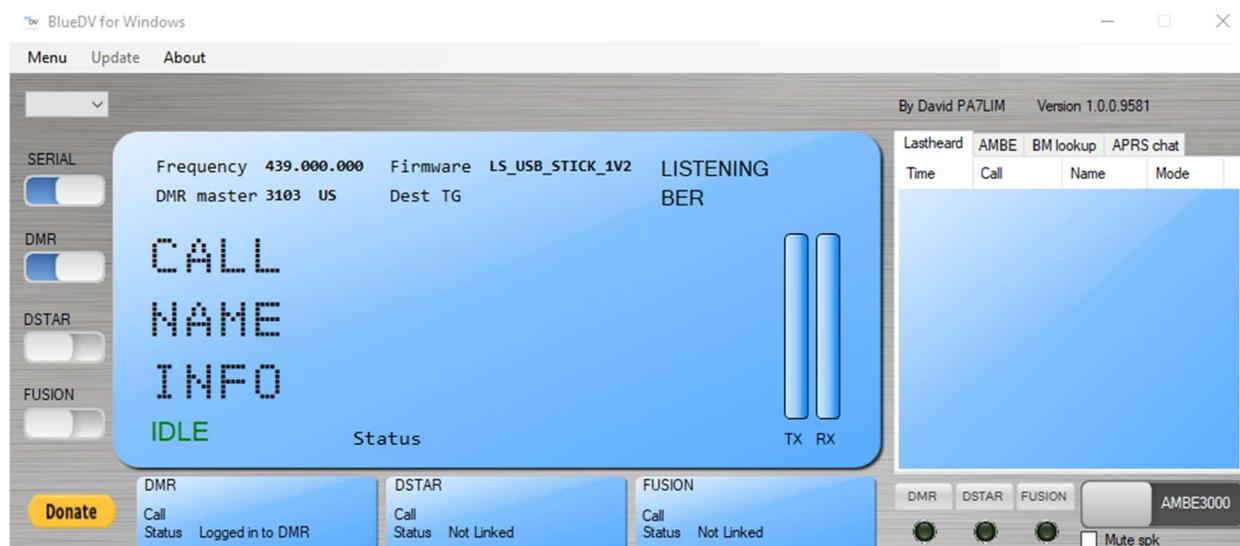
Because you are now ready to operate.

PLEASE NOTE: Every time you reconnect the USB connection this port number may change. You can check this from Device manager just as was described earlier. If it does change you will need to change it inside of BlueDV to match.

In order to start operation you must first slide the **SERIAL** slider to the right.

This next step is key!

Upon sliding this you should see the **Firmware** field be populated.



If you don't get that, nothing is going to work. This is your verification that you have all the drivers correctly installed and then correctly configured correctly inside of BlueDV.

The good news is if you do get this, then there is no reason for it to not work. If it doesn't work something else less significant is not set correctly and it should be easy to find and fix. These are simple things

like the frequency or the color code or one of those things.
If it doesn't do this automatically, slide the DMR slider to the right and you should be on the air!

(Which mode is enabled by default is configurable within BlueDV)

You can now operate from your radio just like you would with a HOTSPOT running Pi-Star.

I hope you ENJOY your USB Stick.

73's

David

N5BOC