

Setup Details:

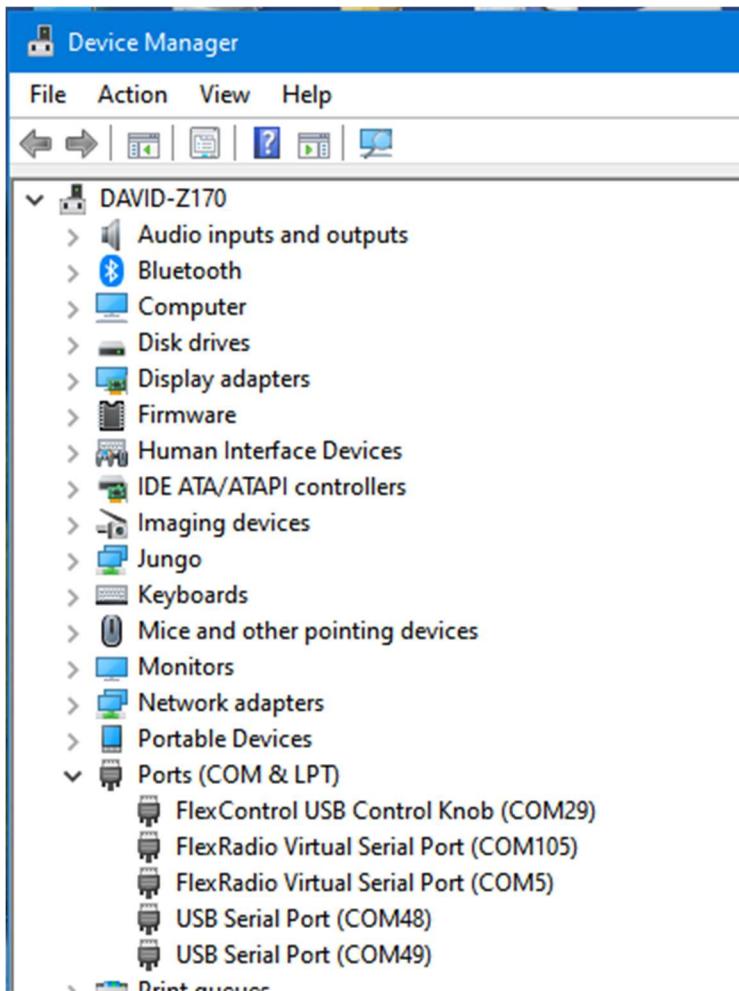
LSDV3000:

Step 1: Connect the USB-C port of the LSDV3000 to an open USB port on the computer or via a USB hub. For initial installation connection directly to a USB port on the computer is recommended. This reduces the probability of the number of things that might not work correctly. Hubs are notoriously bad for causing faults or not supporting the current requirements. Make it work without using a HUB first. You can then switch to a hub later if that is more convenient.

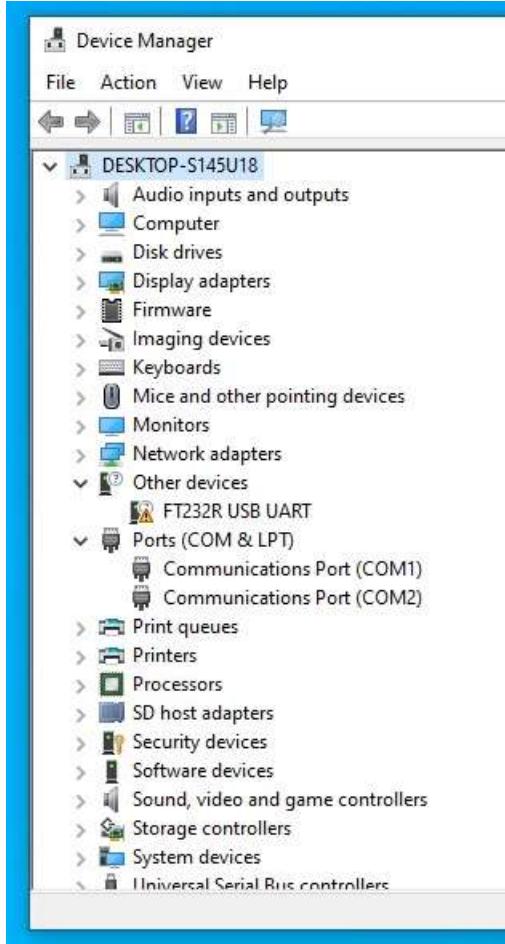


Step 2:

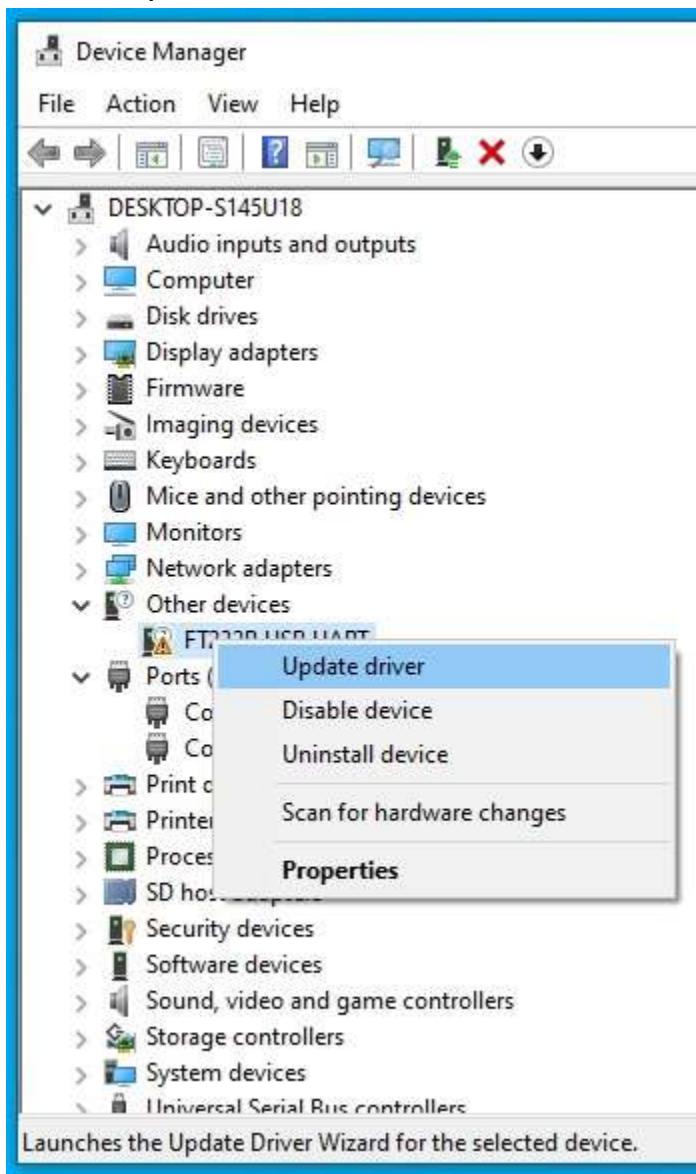
In most cases the serial driver for the FTDI USB interface is already installed in Windows 7 and above. If that is the case you may proceed to step 3. If it is installed you will see USB Serial Port under PORTS (COM & LPT):



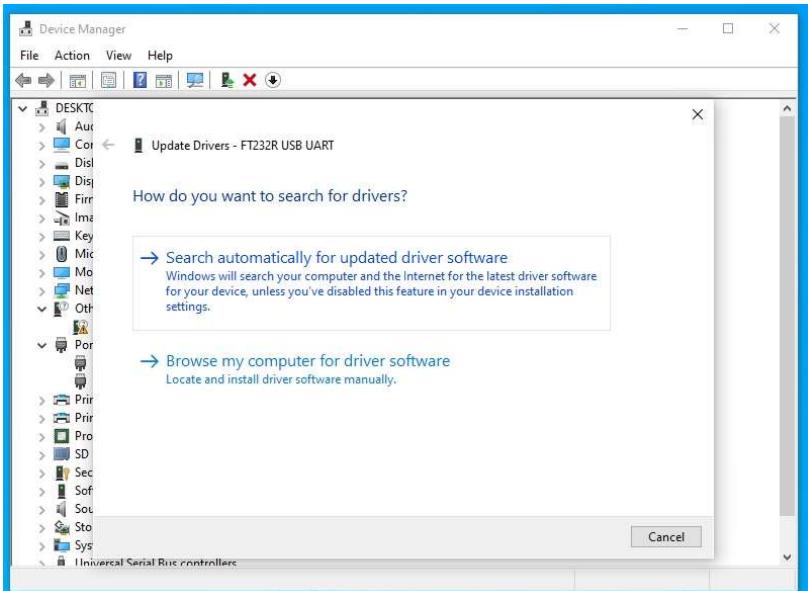
If it is not installed, with the board connected, under Windows device manager you may see this. (**NOTE:** Instead of FT232R it will be listed as **FT2232**)



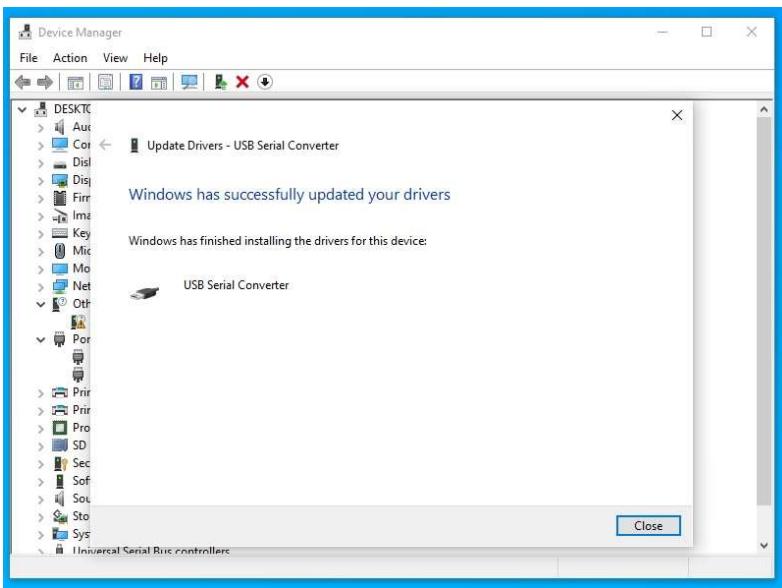
The yellow triangle means the drivers will need to be installed.
If you right click on this you will get this drop down.
Select Update driver



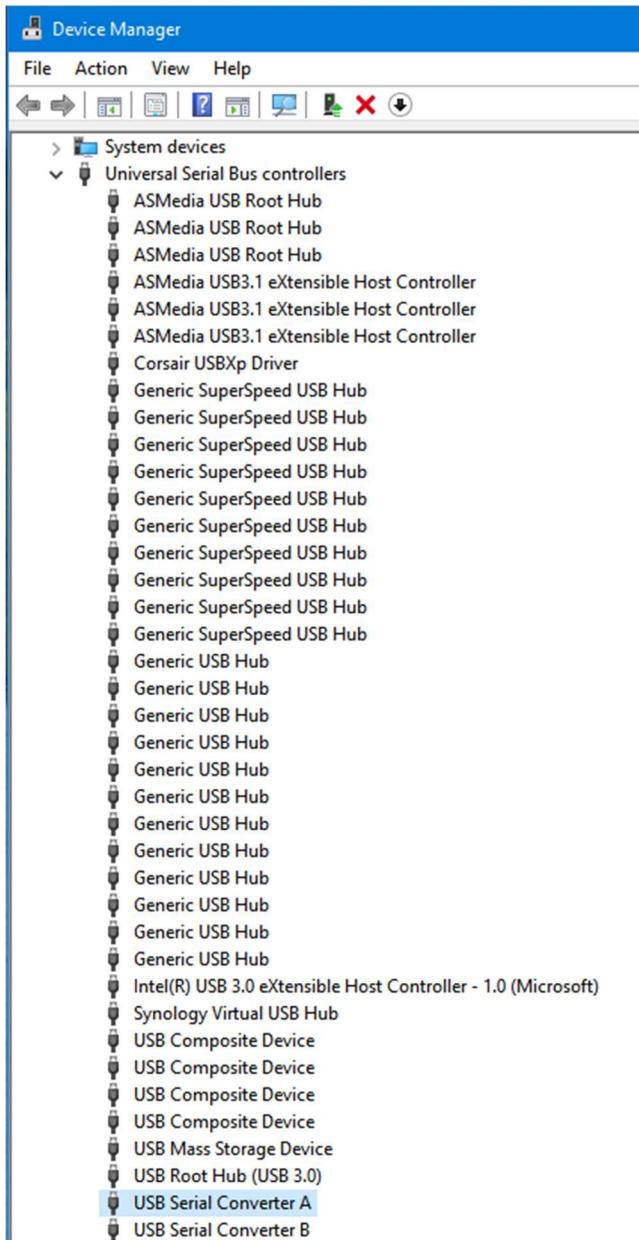
Next you will be asked if it is okay to Search automatically for the updated driver. Select this option.



Upon successful completion you should see this window

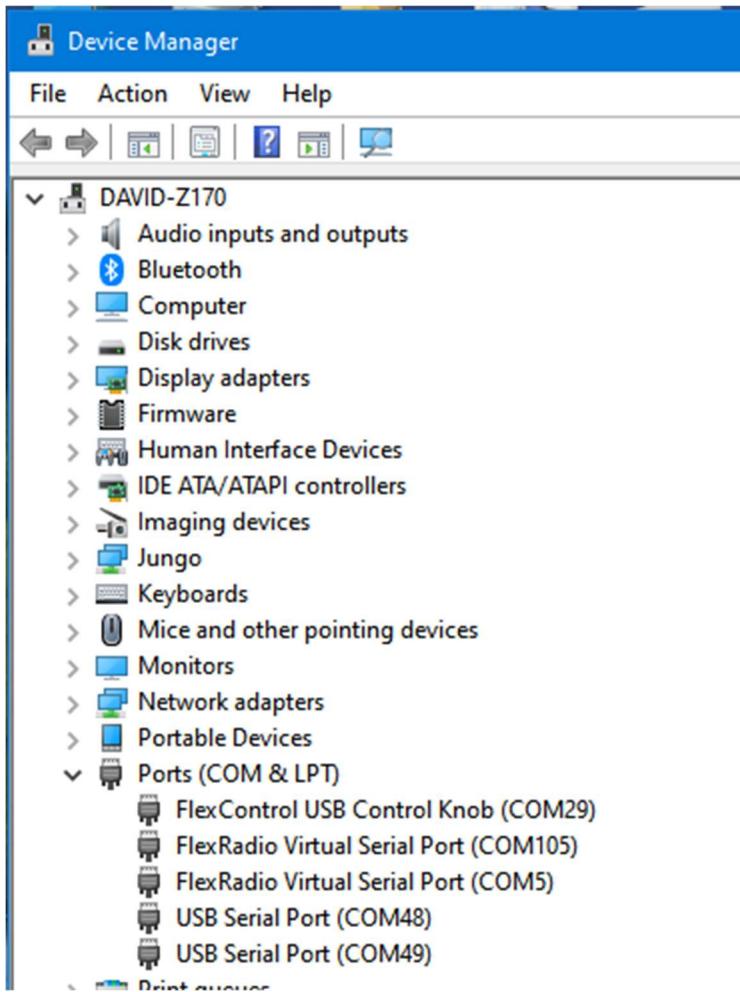


Also, once you have this done correctly, you will see at least 2 USB serial converters under Universal Serial Bus controllers



With this correctly installed go to *Ports (COM & LPT)*

Take note of which COM port the USB serial port is on. You will need to know this for BlueDV. You will use the lower COM port number. For example in this case it is COM48



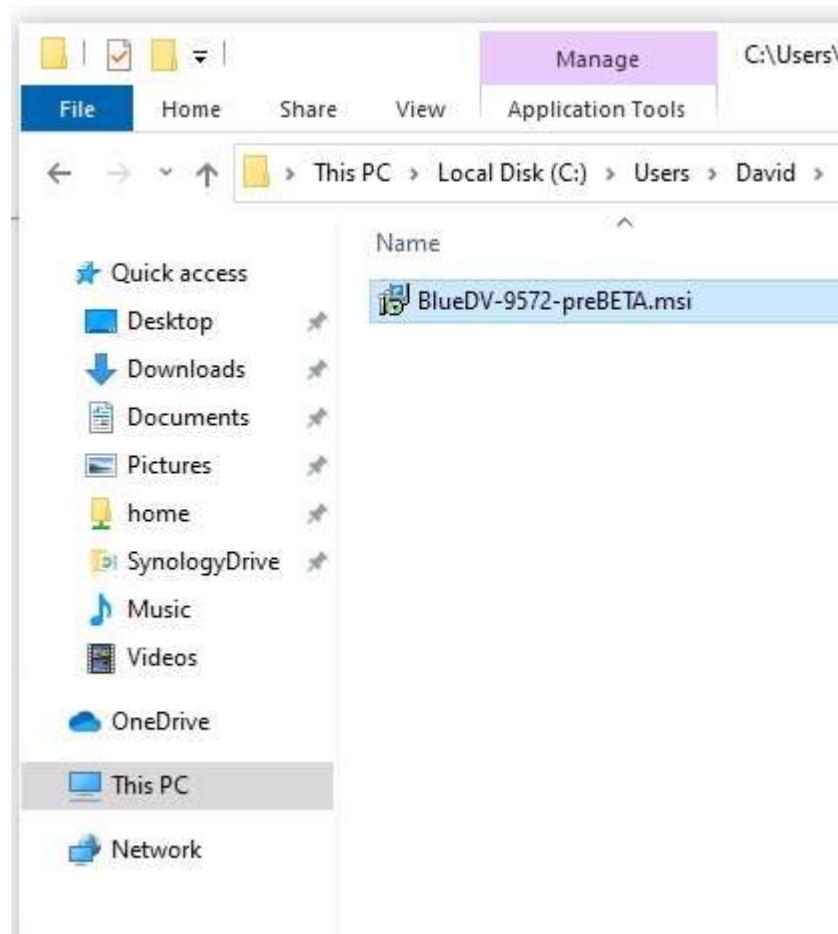
Step 3: Install BlueDV

BlueDV can be downloaded from this location:

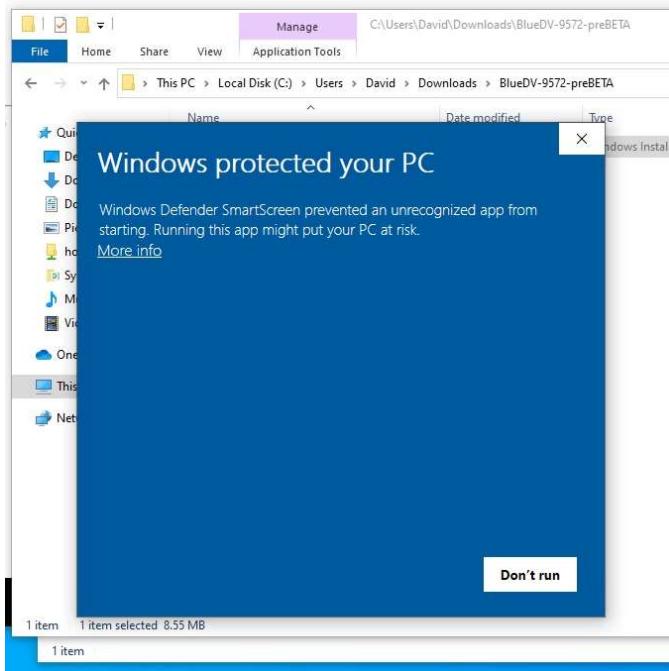
<http://software.pa7lim.nl/BlueDV/BETA/Windows/>

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.

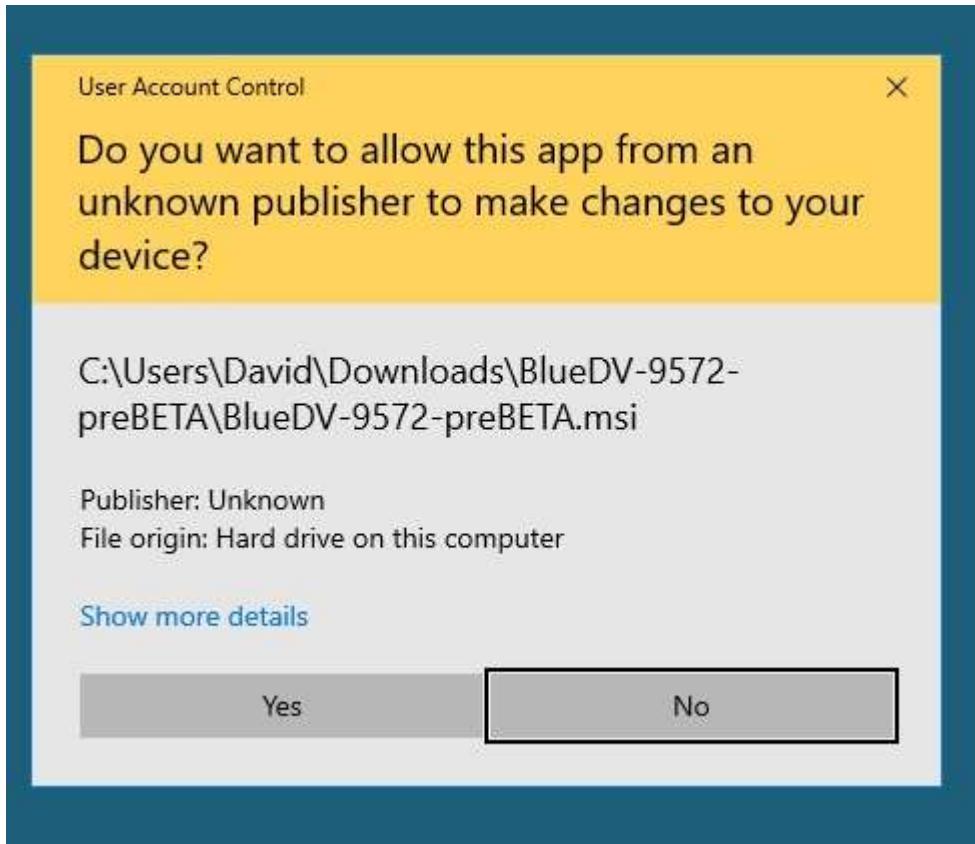


Here you want to click on More info
This will reveal the option to Run Anyway:



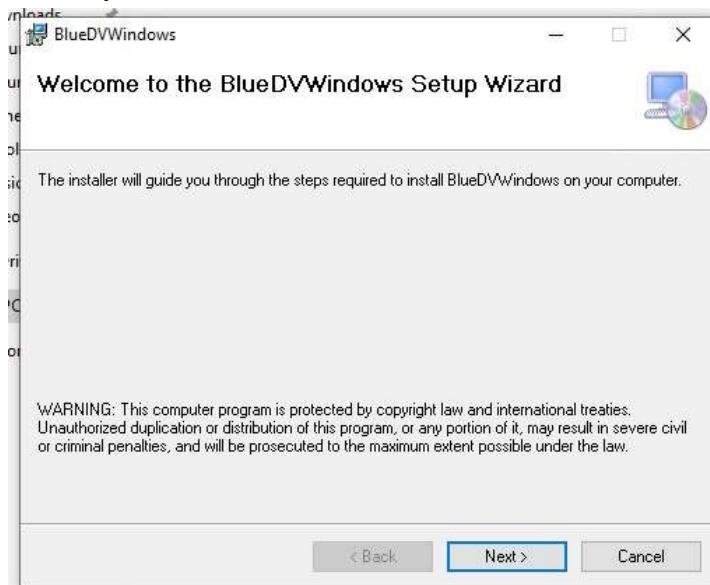
Select this option. Trust me! 😊

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

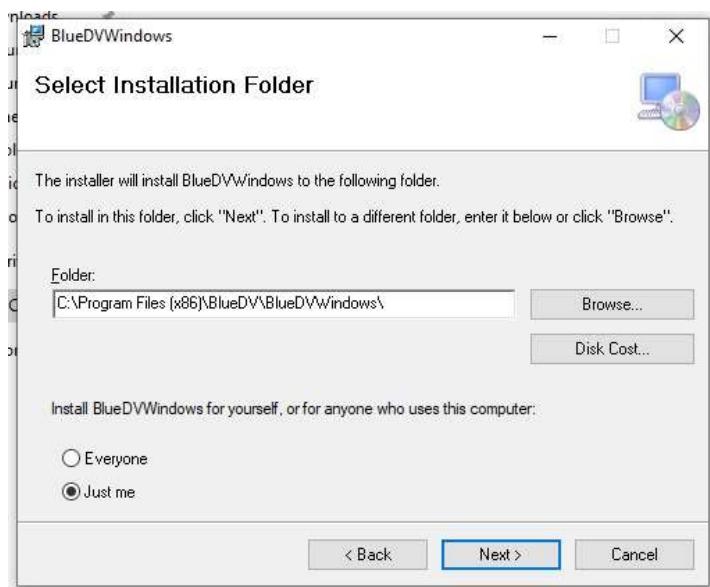


Go ahead and select YES.

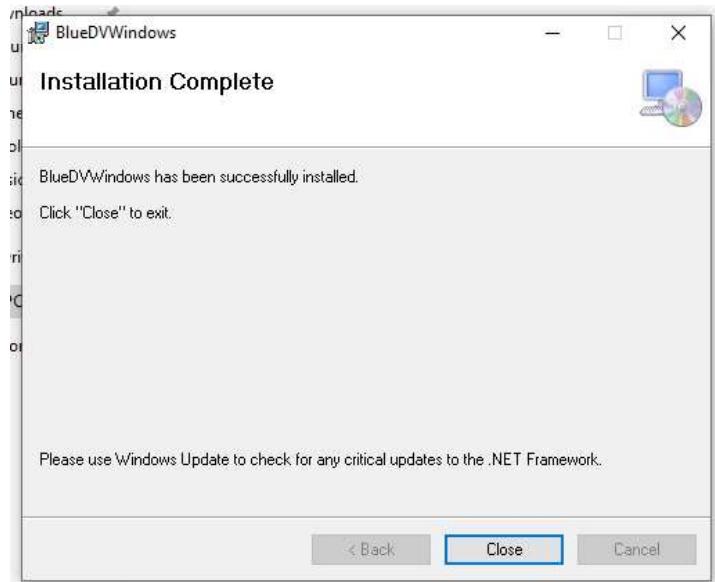
Next you will see the BlueDV install screen



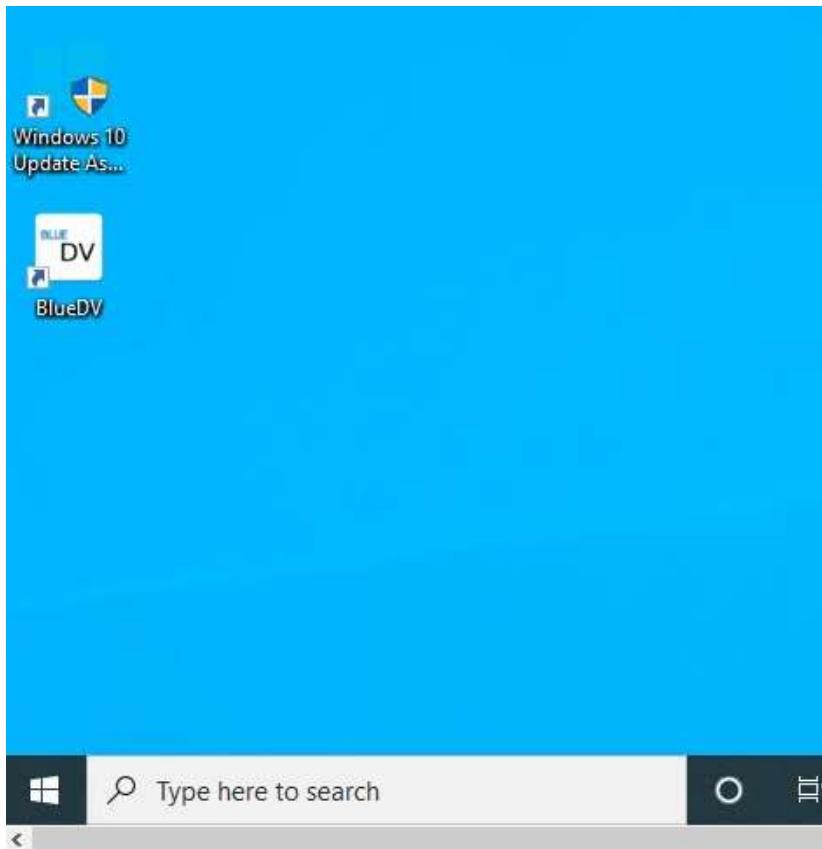
Allow it to install to the default folder. This is fine.



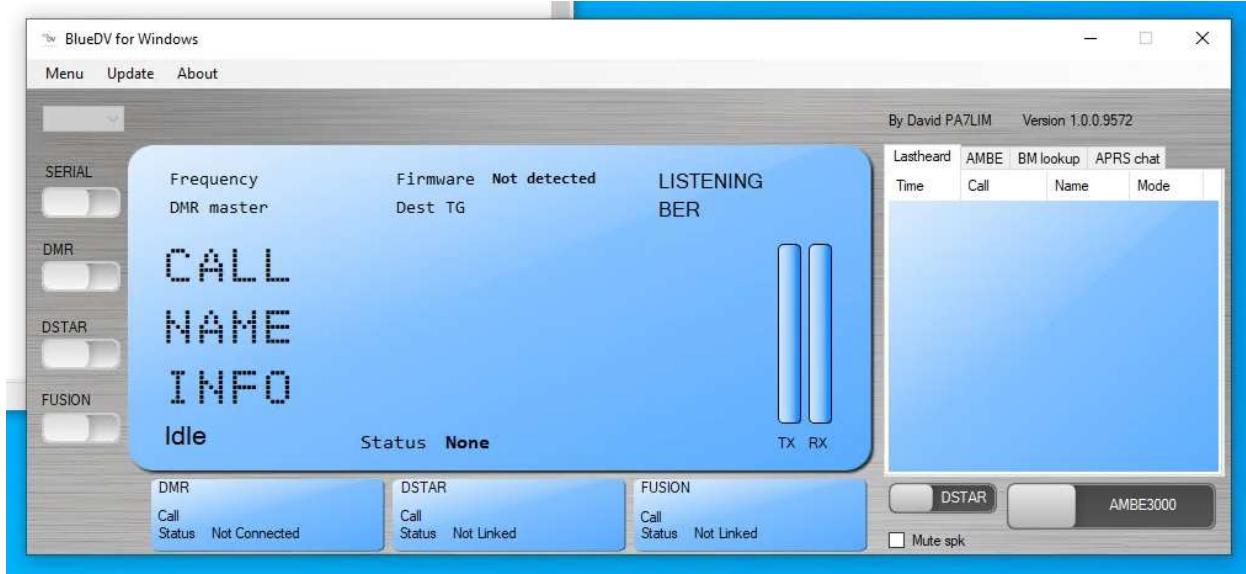
Once it is successfully installed you will be greeted with this screen.



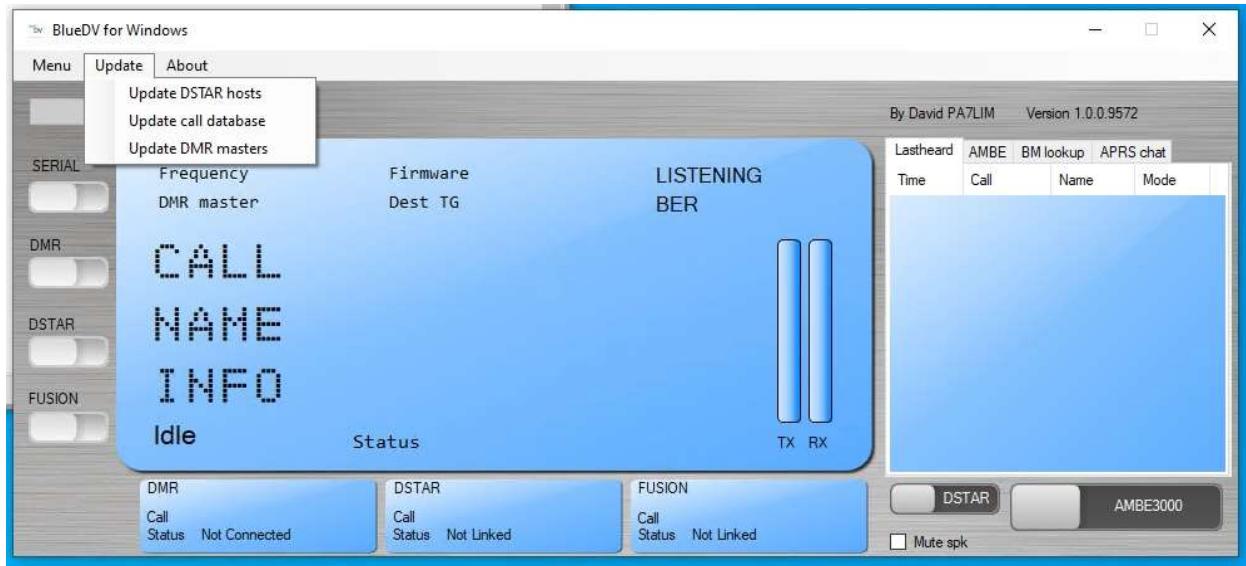
You should now have an icon on your desktop you can use to start BlueDV.



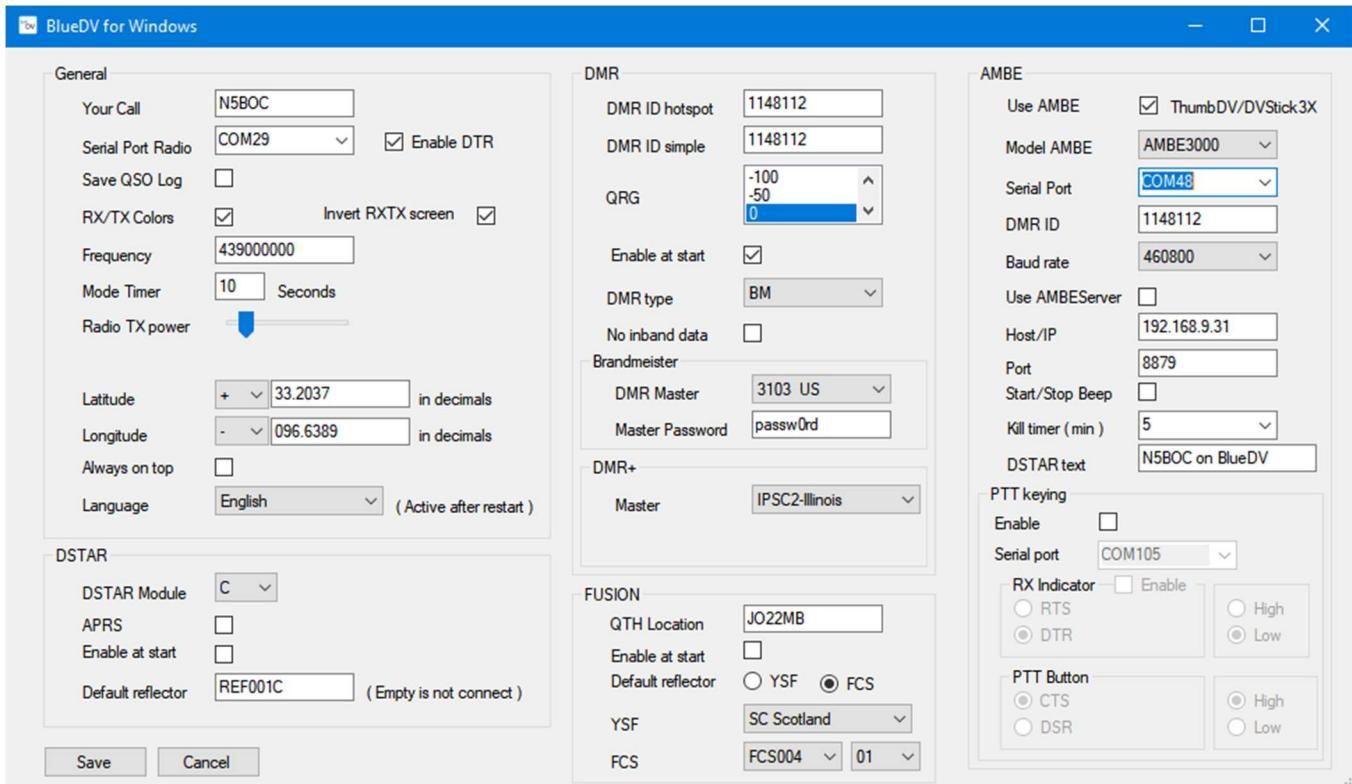
Upon first start BlueDV will look like this:



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



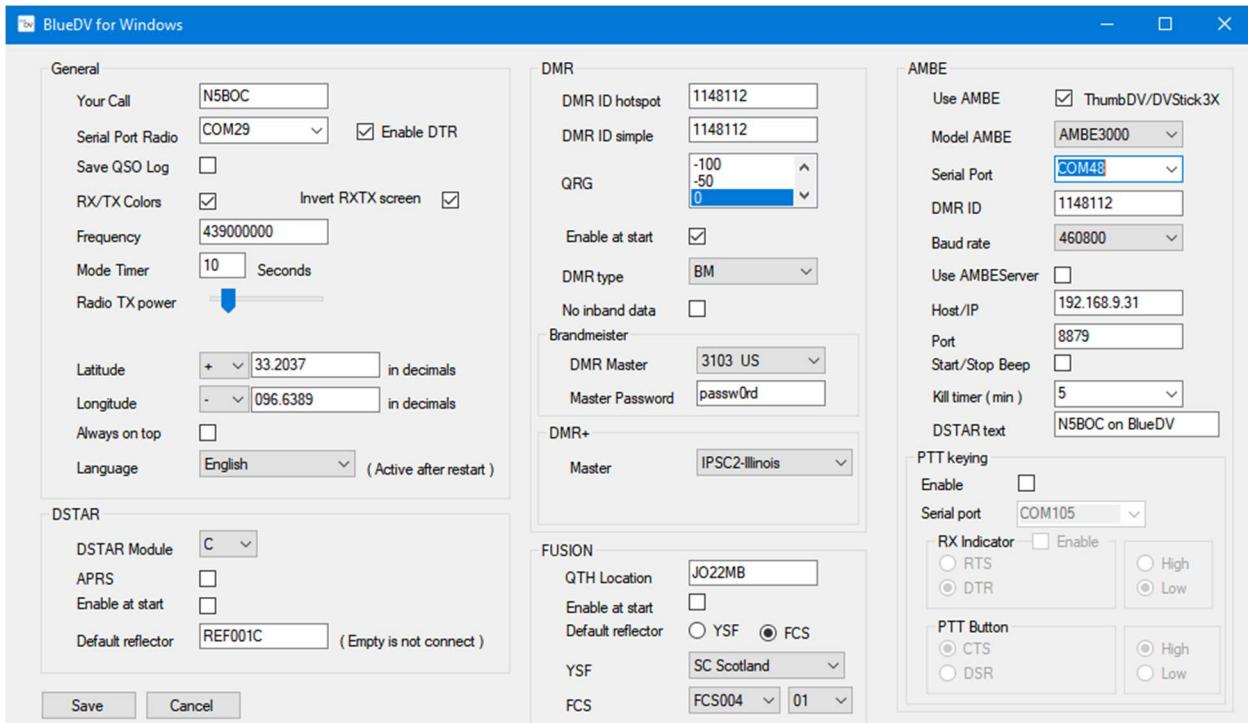
Next you should select MENU in order to setup BlueDV



Most of the fields are self-explanatory as they are standard DMR parameters. Here is what you need to setup to allow it to run specifically with the serial connection.

NOTE: It is critical that the Enable DTR box be checked. The LSDV3000 implements DTR as this is standard for Serial Connections. The unit is held in RESET until it sees the DTR line become active.

It should go without saying you have to enter your DMR ID. Settings like Frequency and TX power are not valid for the LSDV3000 and their setting does not matter. What is most critical are the settings under AMBE. To make it run you must set the Serial Port Radio field to match the COM port you found after installing the serial drivers.



As mentioned before it is critical that you should also set **Enable DTR**.

Now select **SAVE**.

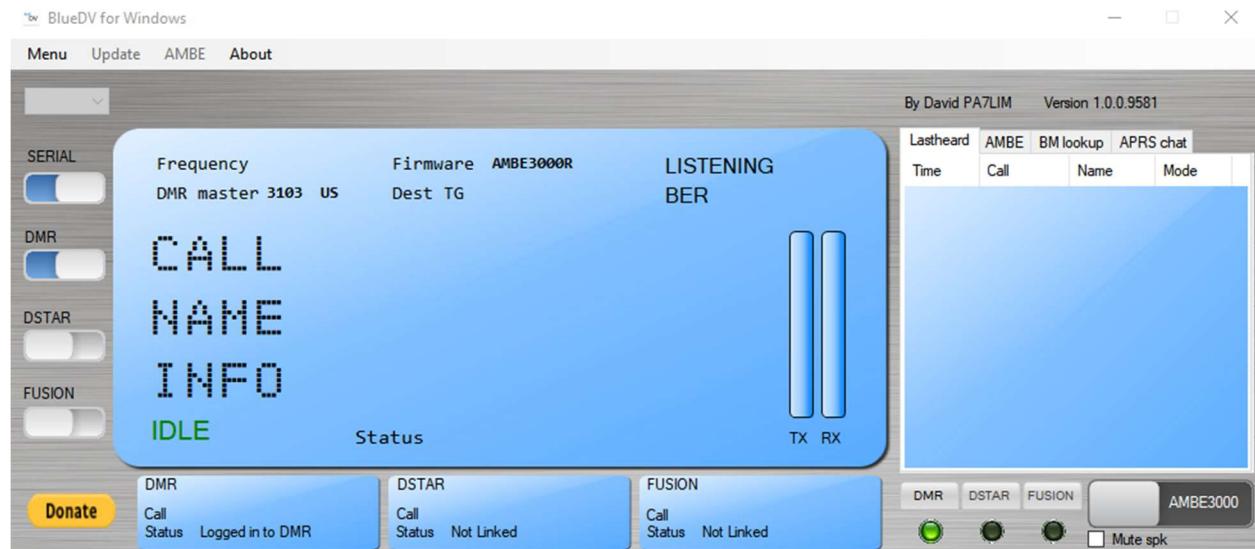
Because you are now ready to operate.

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. It should display **AMBE3000R**.



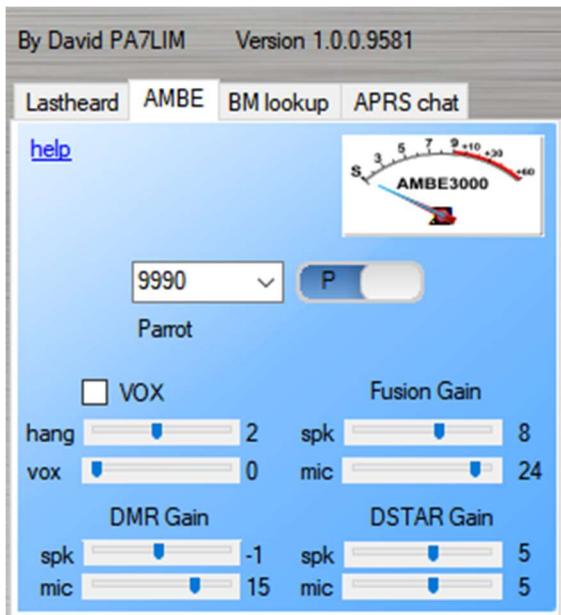
If you don't get that, nothing is going to work. This is your verification that you have all the drivers correctly installed and then correctly configured inside of BlueDV.

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.

Slide the DMR slider to the right and you should be on the air!



The talk group, MIC gain and AF gain can be set on the AMBE tab.



To key up and Xmit slide the slider labeled AMBE3000.



You are ready to OPERATE !

I hope you enjoy your LSDV3000. If you have questions
you can reach me by Email: dave@N5BOC.COM

Best Regards,

And 73's

David