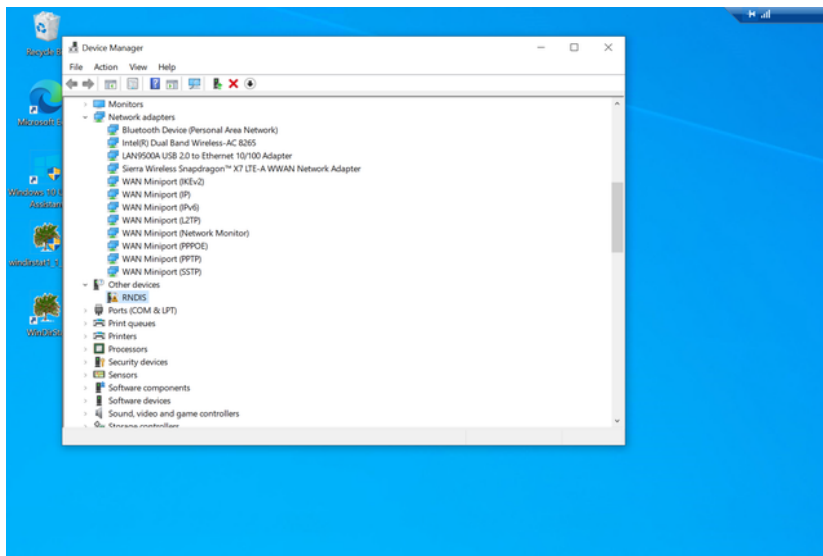


Microhard Issue on Windows

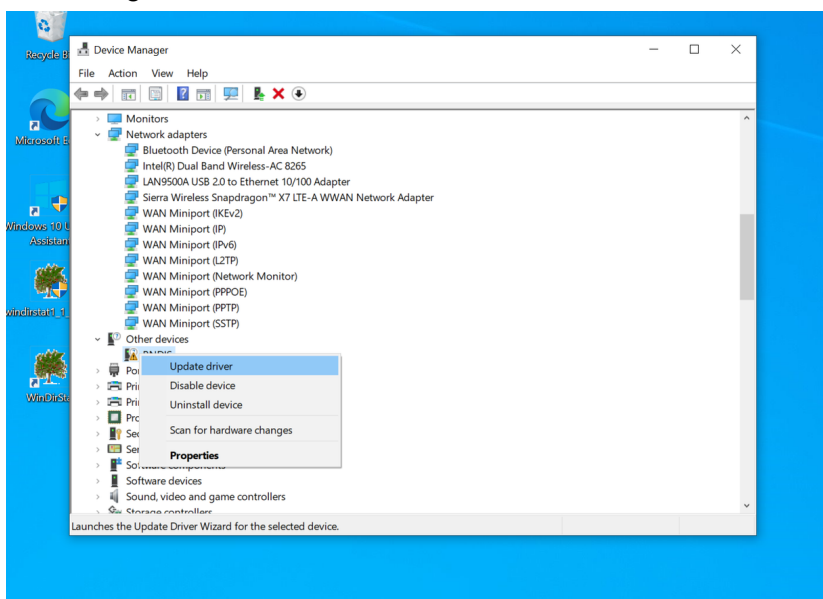
RNDIS Driver Issue on some PCs

On some older hardware running Windows the RNDIS driver needs to be updated in order for microhard to work properly. To do this follow the next steps:

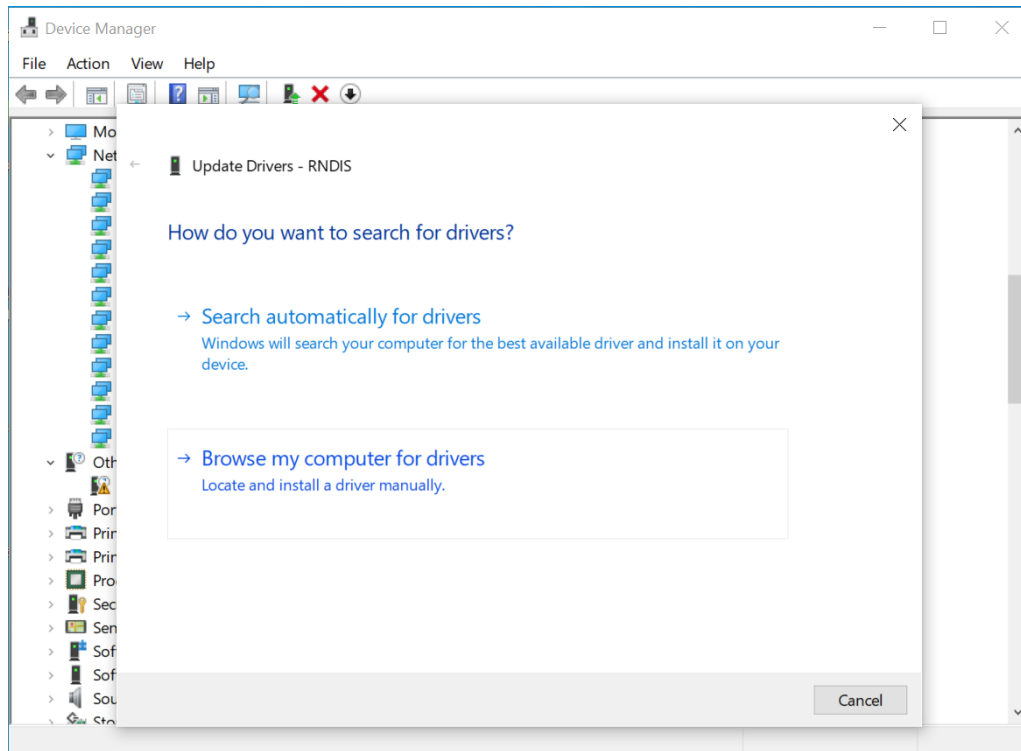
1. Open the device manager



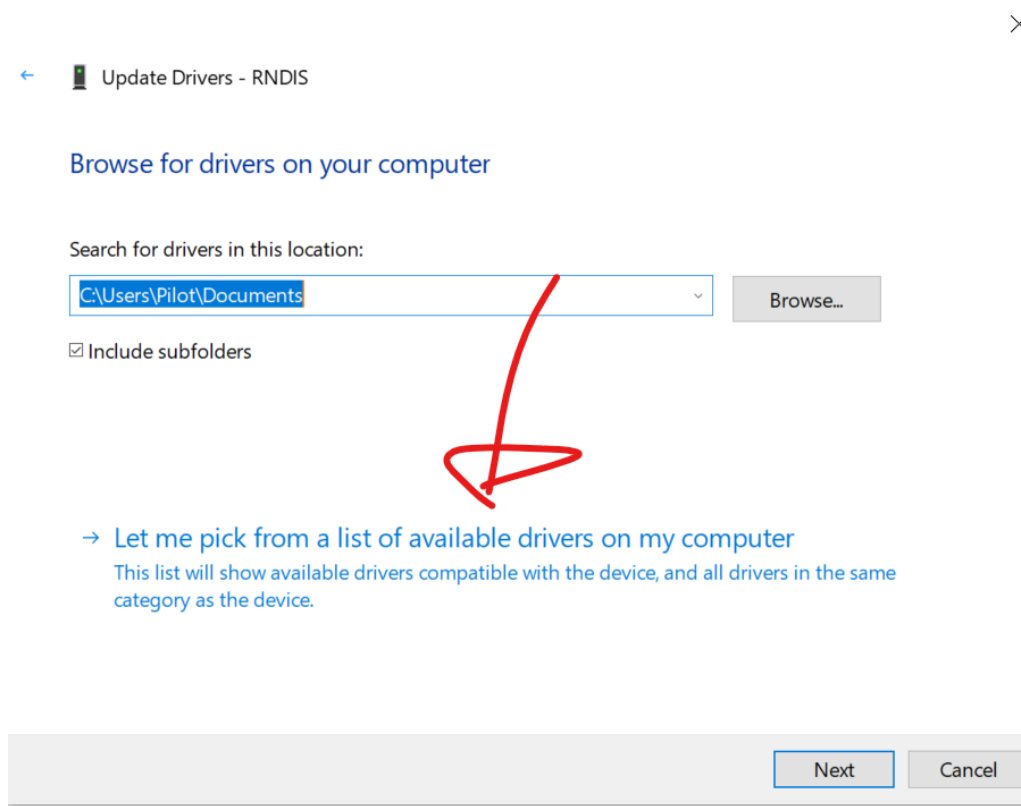
2. Right click on the RNDIS driver under “other devices” and click on “update driver”



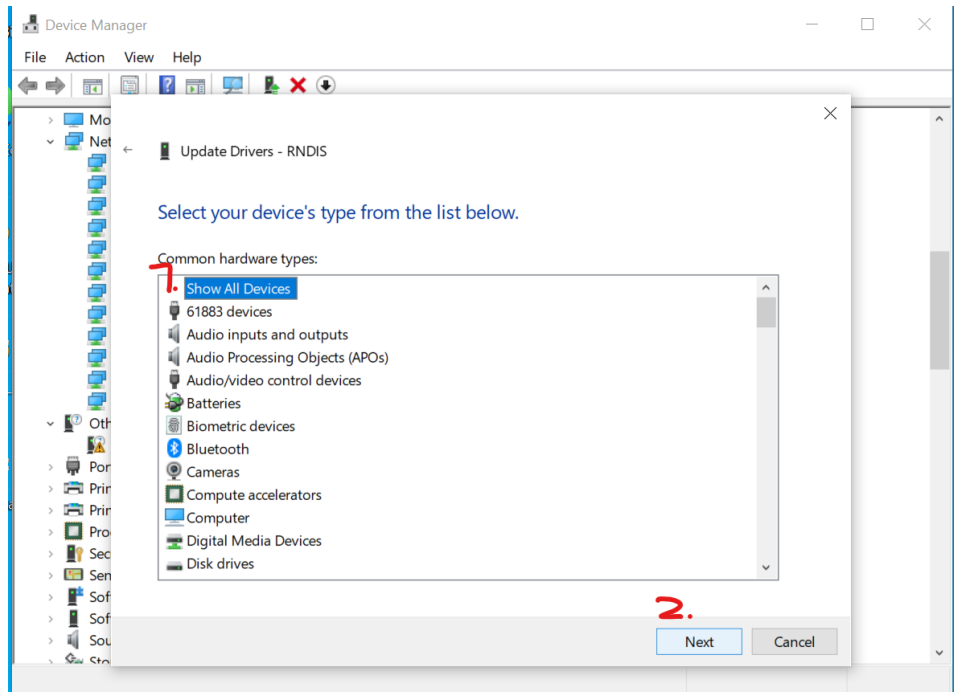
3. Select "Browse my computer for drivers"



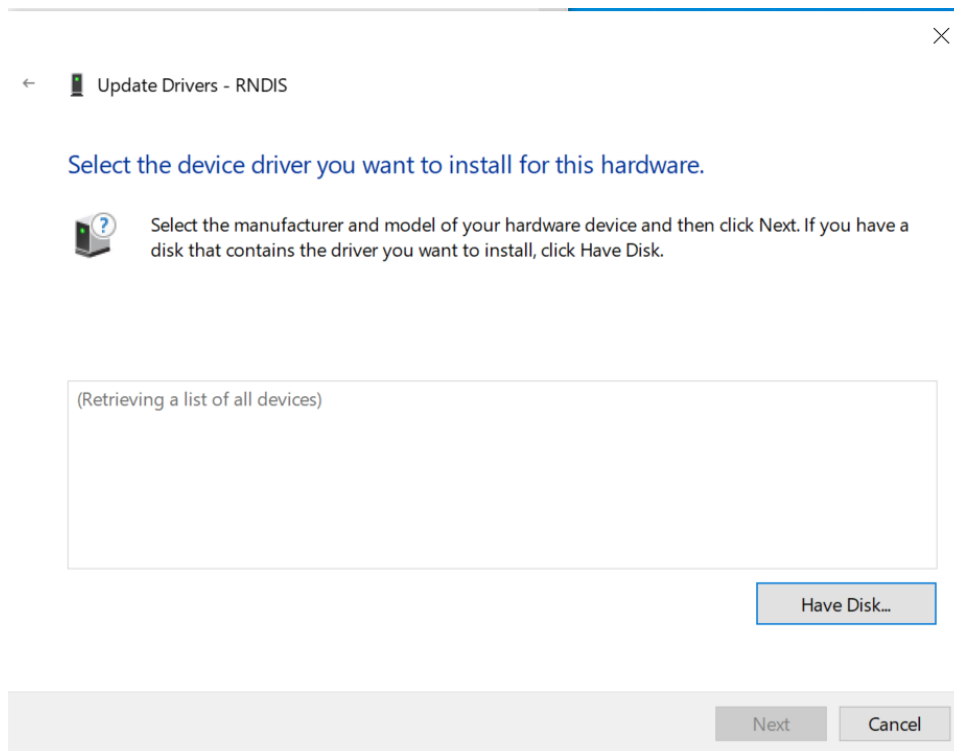
4. Select "Let me pick from a list of available drivers on my computer"



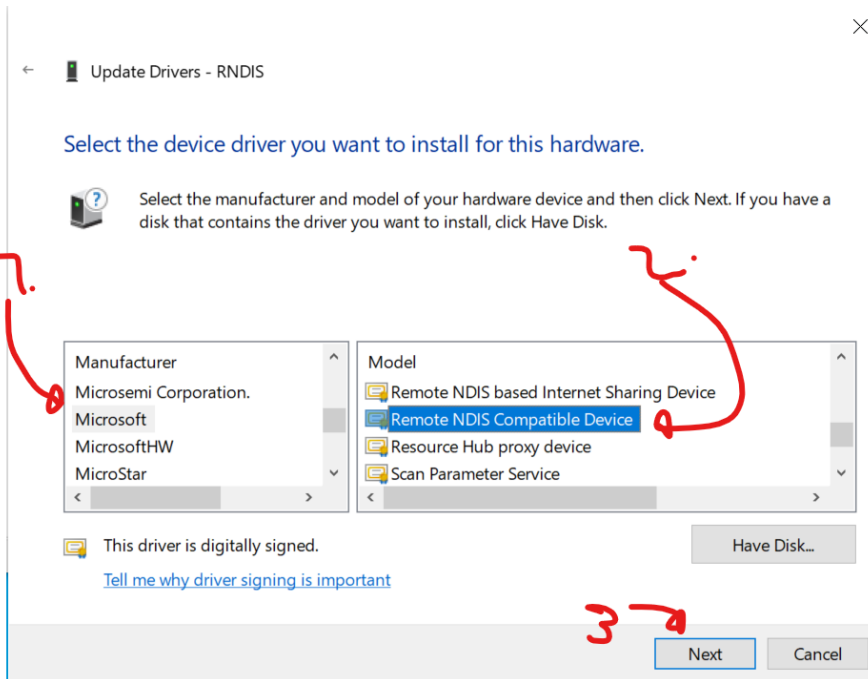
5. Click on “show all devices” and then click on Next



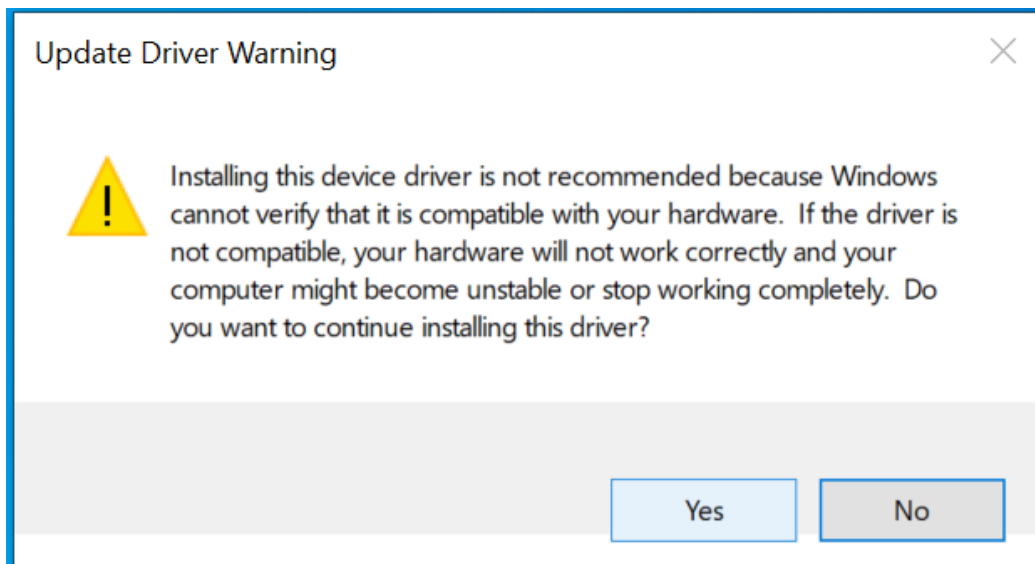
And this screen will show up. Wait until all available drivers are loaded.



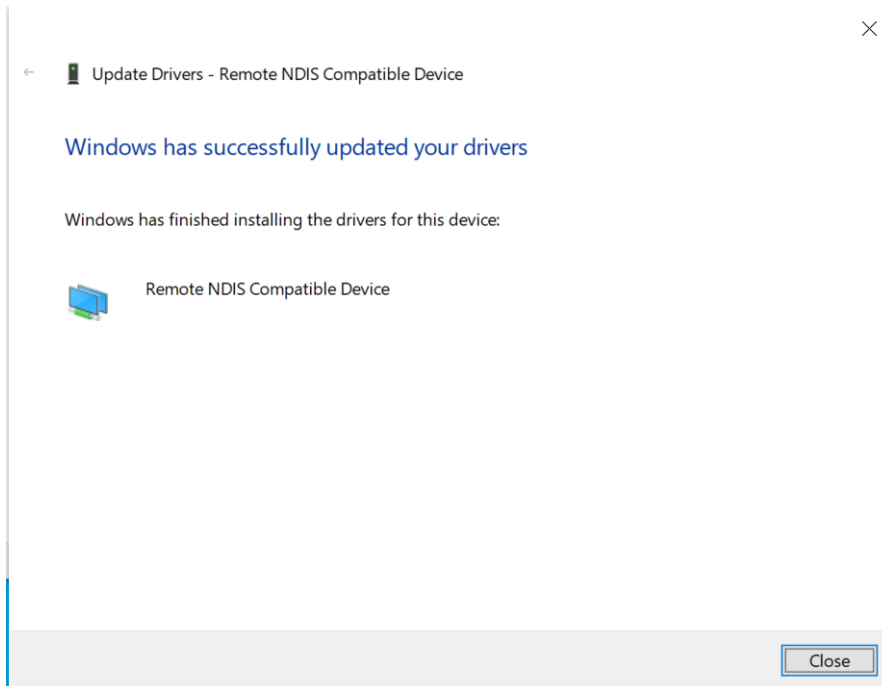
6. Select microsoft on the left and then "Remote NDIS compatible device" on the right. Then press next



7. On all hardware this was tested so far there were no compatibility issues after updating the driver but if there are any concerns then this will need to be checked on google depending on the hardware.



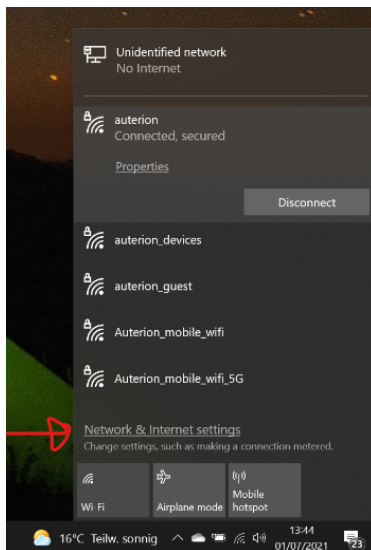
8. If you pressed “yes” in the previous popup then the following final screen will show:



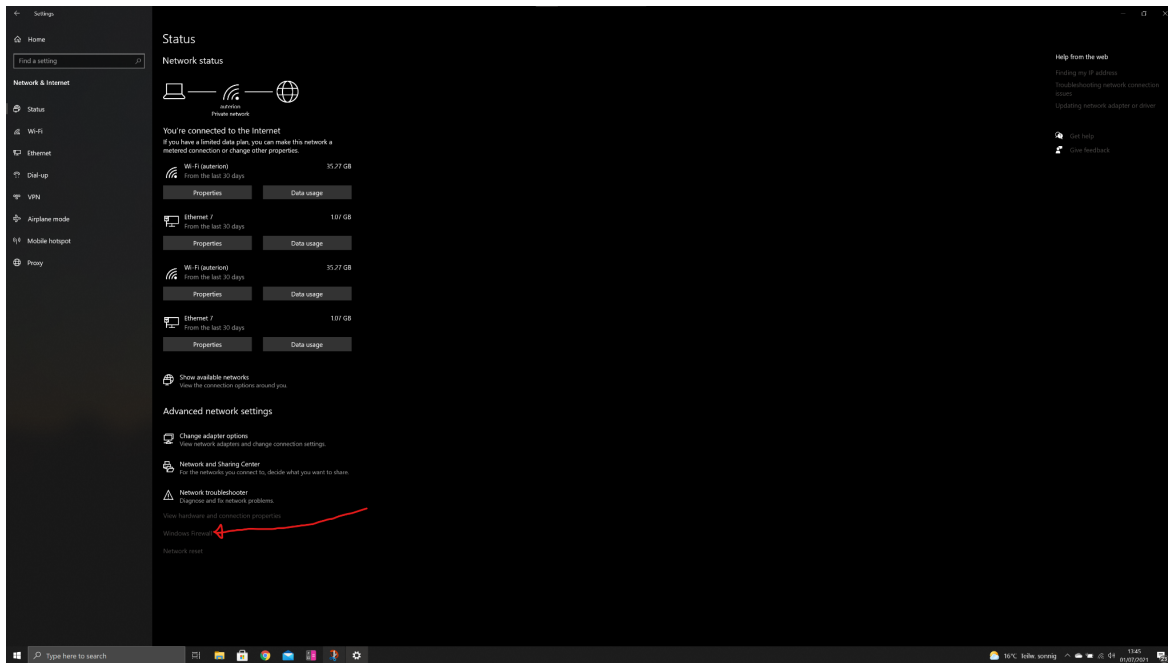
Firewall Issue

On some windows versions the windows firewall will interfere with the microhard and AMC. Please follow the next steps to allow traffic from and to AMC.

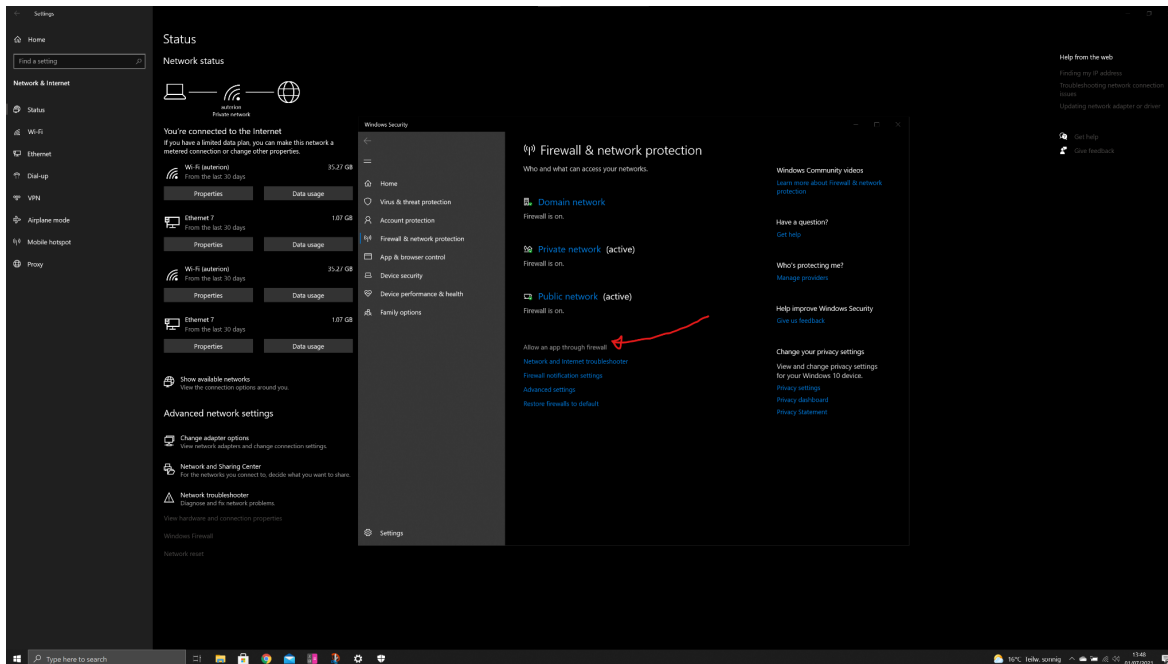
1. Open the network settings in the bottom right corner of your desktop



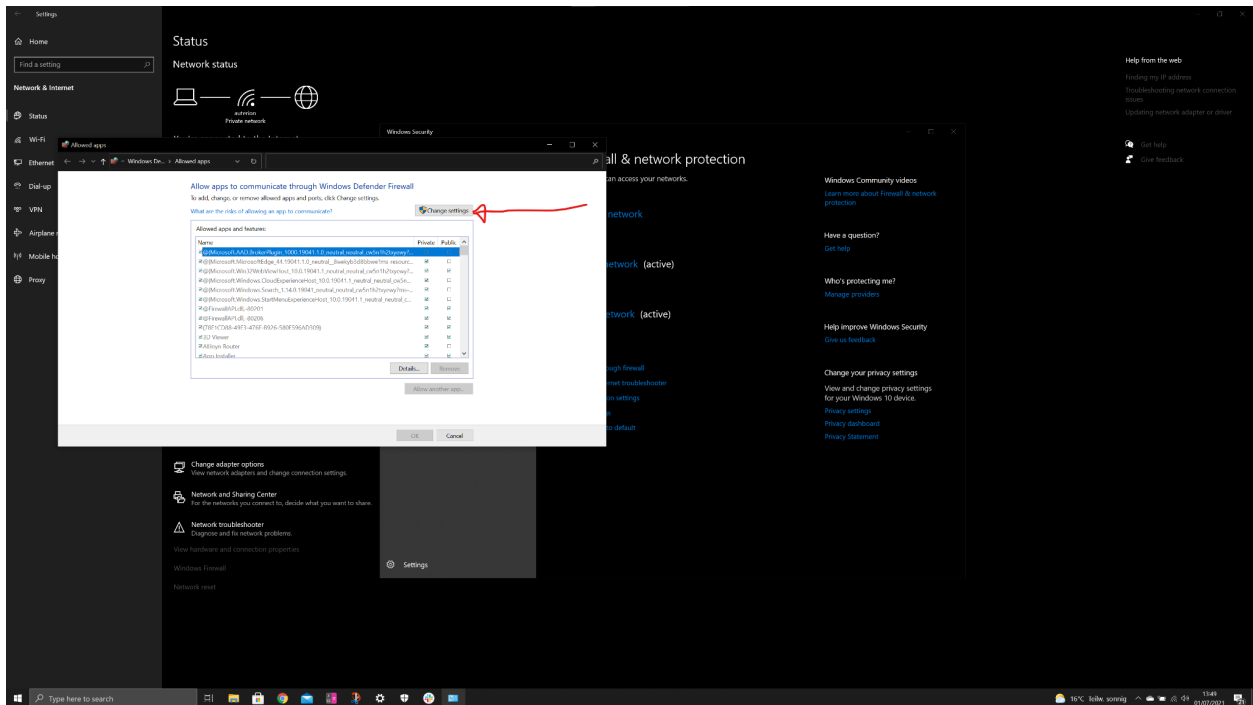
2. Click on windows firewall



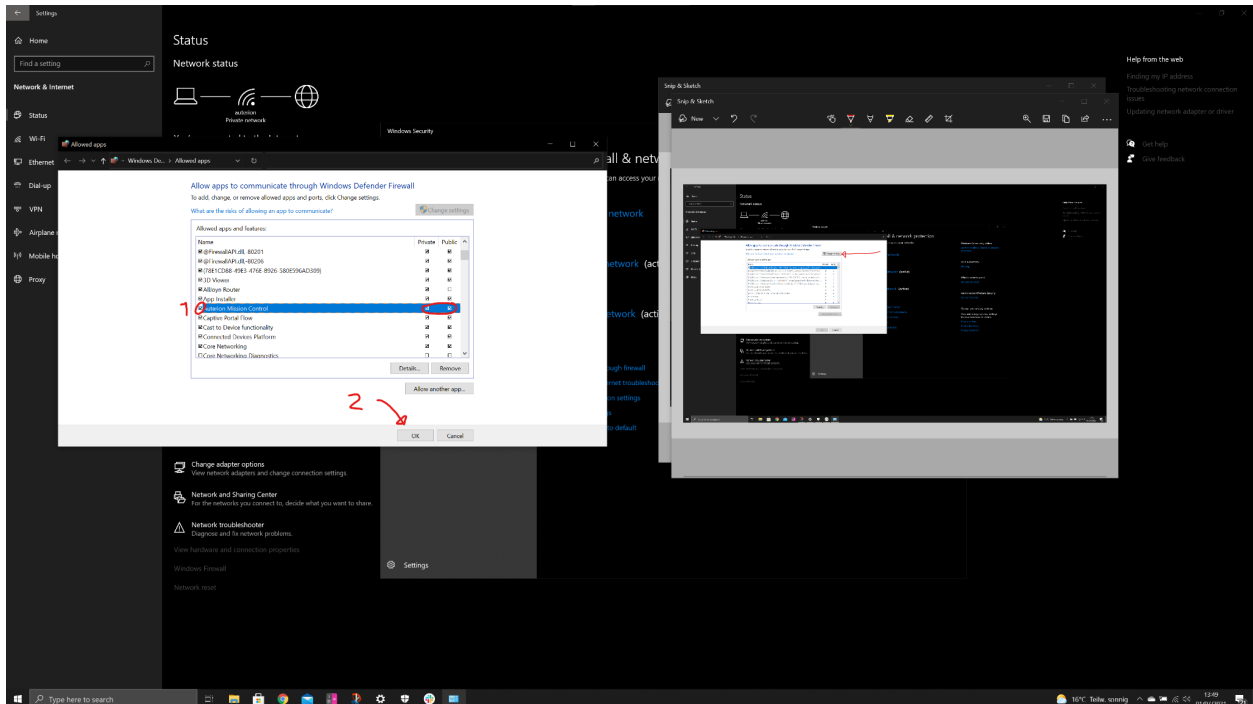
3. Click on “allow an app through firewall”



4. Click on “change settings”



5. Make sure Auterion Mission Control is enabled for both public and private and then press OK



Test with Ubuntu 20.04 (either native or VM)

We have seen some issues with microhard and pairing on windows in the past. One thing to try would be to try Ubuntu 20.04 either natively or inside a VM since this is currently the most widely used OS.

Compare Ethernet to USB-C

In case you are using the usb-c port from microhard to your laptop we have seen some issues with the dhcp connection on some operating systems in the past. Please try to use the ethernet to usb alternative as shown in the skynode docs:

<https://docs.auterion.com/skynode/development-kit/ground-station-link#ground-unit-wiring>

Microhard Issue on Skynode

This issue can then be double checked after the ground side is solved because then we will be able to access the web page for also the air unit and check the settings. If the orange LED is blinking this means that the skynode cannot detect the microhard.

When the ground issue will be solved then the PC can be used to check that the air unit's IP is 192.168.168.2 and that both the username and password are "admin". These are the only two requirements for skynode to detect the radio.

Check orange LED meaning here:

<https://docs.auterion.com/skynode/skynode-technical-supplement/skynode-led-meanings>