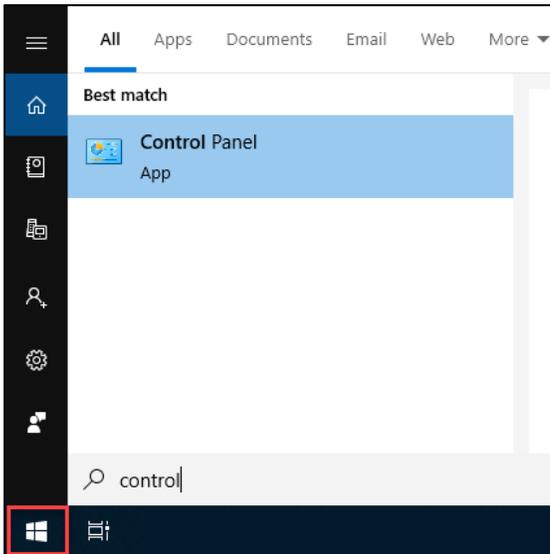


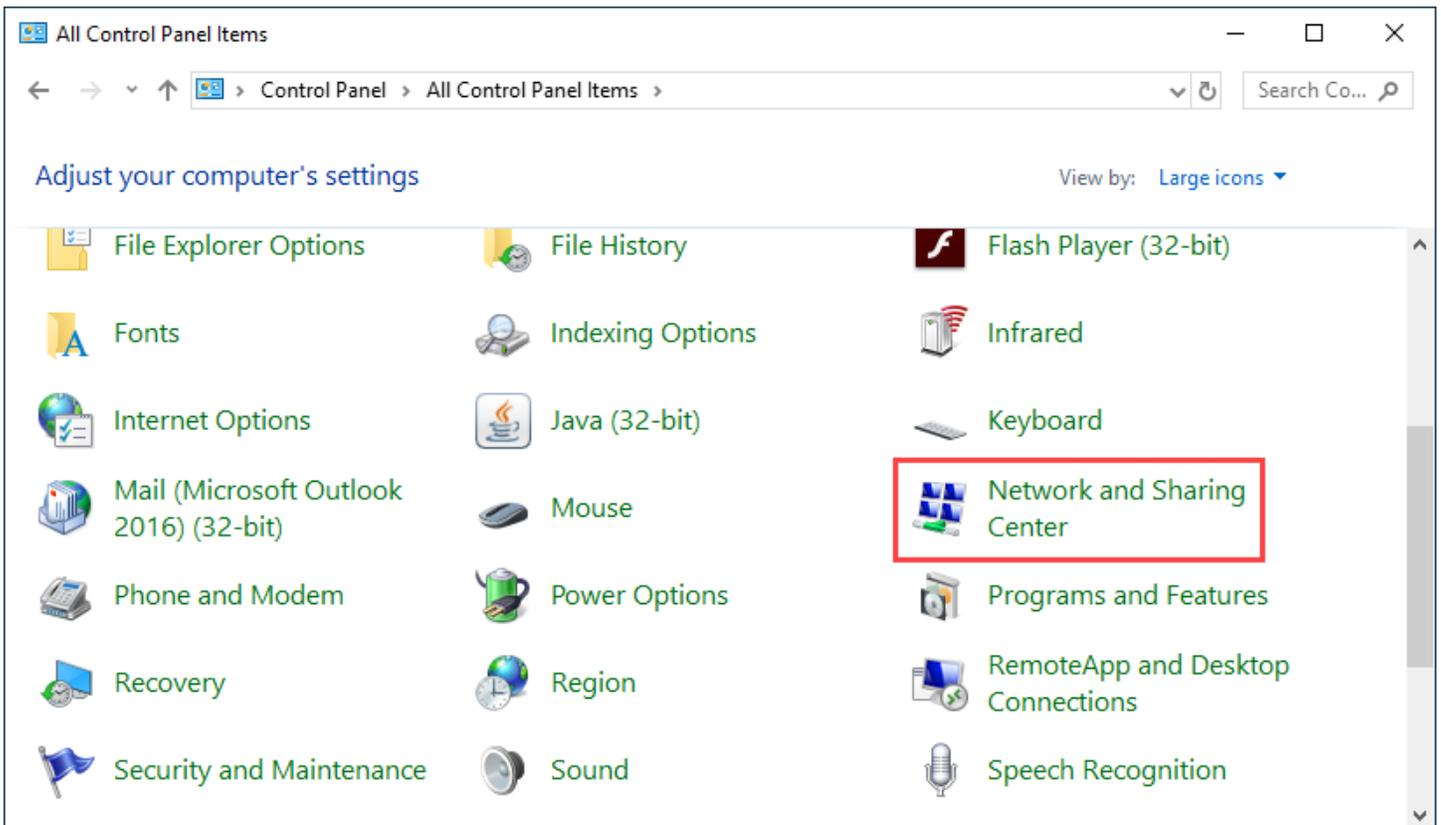
Updating the BDS2 Firmware with Direct Connection to PC (6-Feb-2020)

Configuring Your PC Network Settings:

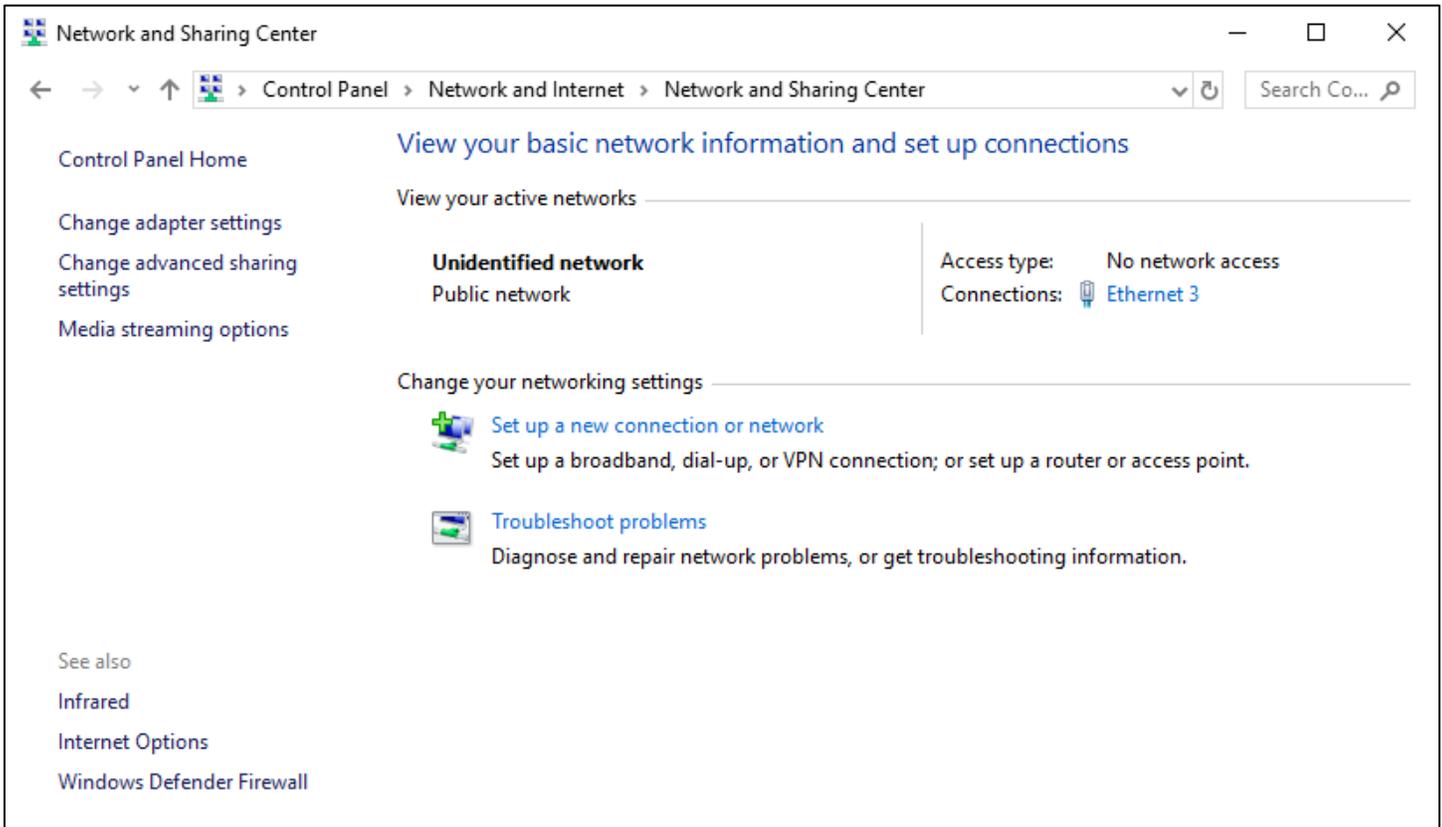
Click on the Start Menu (Windows Logo in lower left corner of screen) and type “control”. Click on the “Control Panel” app once it shows up in the search bar:



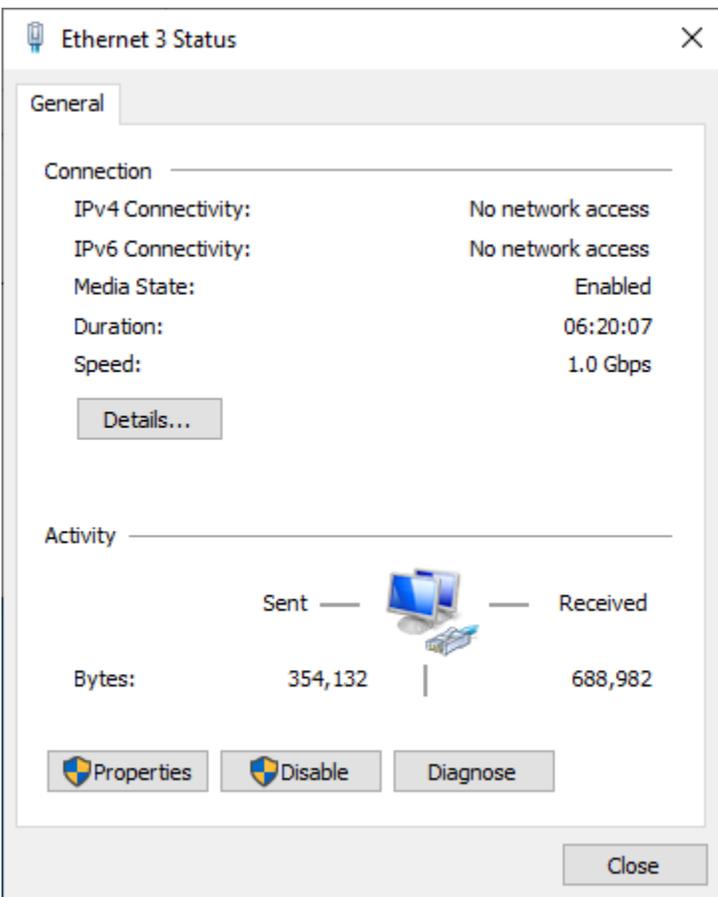
Click on the “Network and Sharing Center” icon:



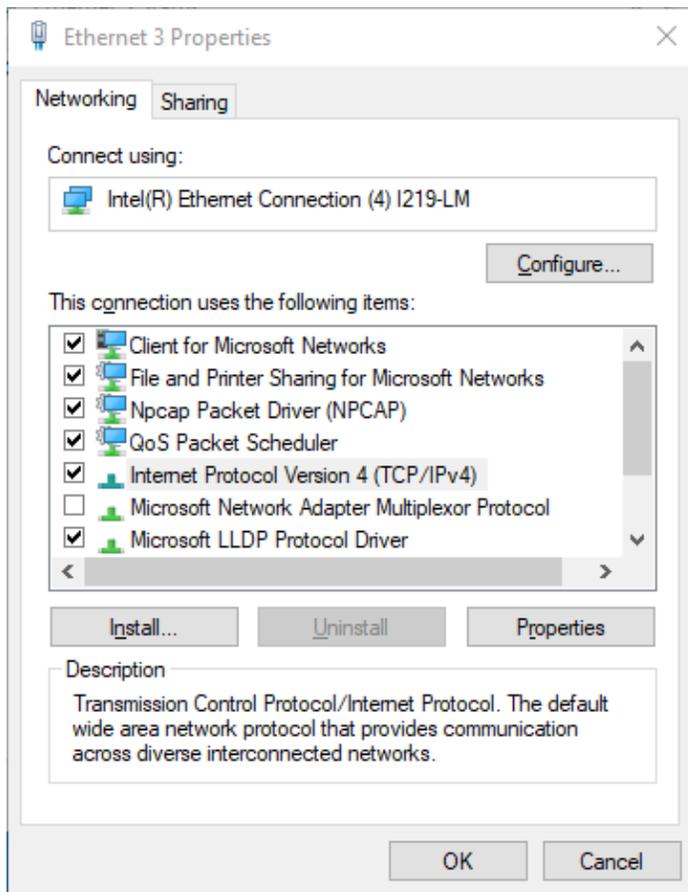
Click on the “Ethernet X” connection of your direct connection to the BDS2. Note: (X is a port number specific to your system)



Click on “Properties”:



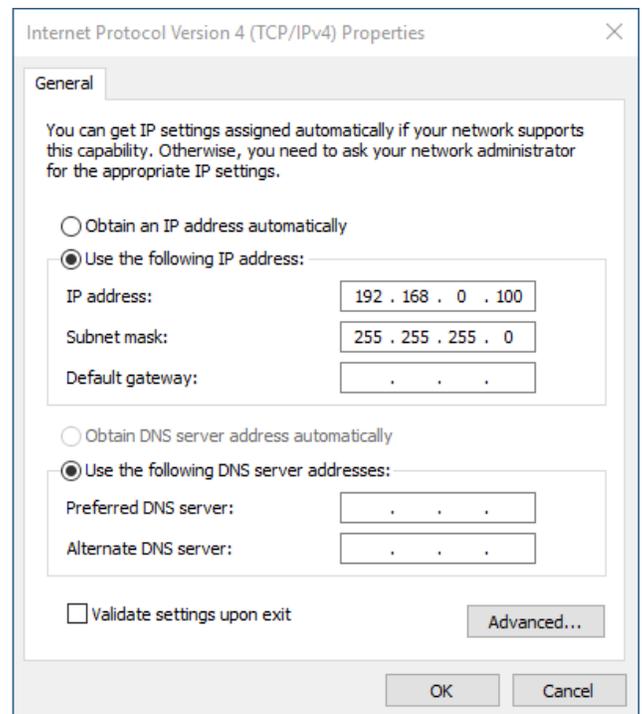
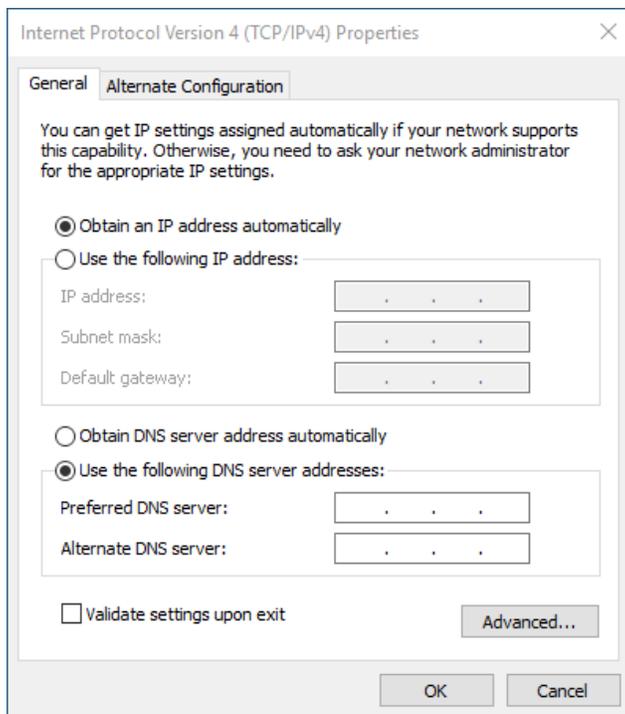
Double click on “Internet Protocol Version 4 (TCP/IPv4)”



Select the radio button “Use the following IP address” and then change the following two parameters and click “OK”:

IP address: 192.168.0.100

Subnet mask: 255.255.255.0



Applying the BDS2 Update through the Web Interface:

Navigate to the BDS2 web page at 192.168.0.151 in the browser and click “Home” on the left menu bar. Note: Your BDS2 unit may have a different IP address. 192.168.0.151 is the default IP address of the unit.

← → ↻ ⓘ Not secure | 192.168.0.151



[Home](#)
[Login](#)

BDS Web UI v2.0, 03/29/2019

Model Information

Name	Model	S/N	Mfg Date	Cal Date
Probe	7001A550-1-1414	183100697	08/20/2018	08/20/2018
Cable	7001B040-5M	183501356	09/07/2018	09/07/2018
Receiver	7001A900-2	194400028	01/16/2020	01/16/2020

Software Version Information

Name	Version	Date
BDS2 Build Info	BDS2_Receiver-33	06/21/2019
BDSHost	2.1	06/21/2019
FPGA IP	0.87	06/16/2019
FPGA Firmware	0.87	06/16/2019
CmpData	2.1	06/21/2019

Enter “admin” for both the username and password. Then click “Login”:



[Home](#)
[Login](#)



Username:

Password:

Click on “Updates” in the left menu bar:



[Home](#)
[Setup](#)
[Security](#)
[Measurement](#)
[Updates](#)
[License](#)
[Logout](#)

Login Success

Click on “Choose File” (or “Browse”) and navigate to the location of the update on your hard drive using the pop-up window:



[Home](#)
[Setup](#)
[Security](#)
[Updates](#)
[License](#)
[Logout](#)

BDS Firmware Update

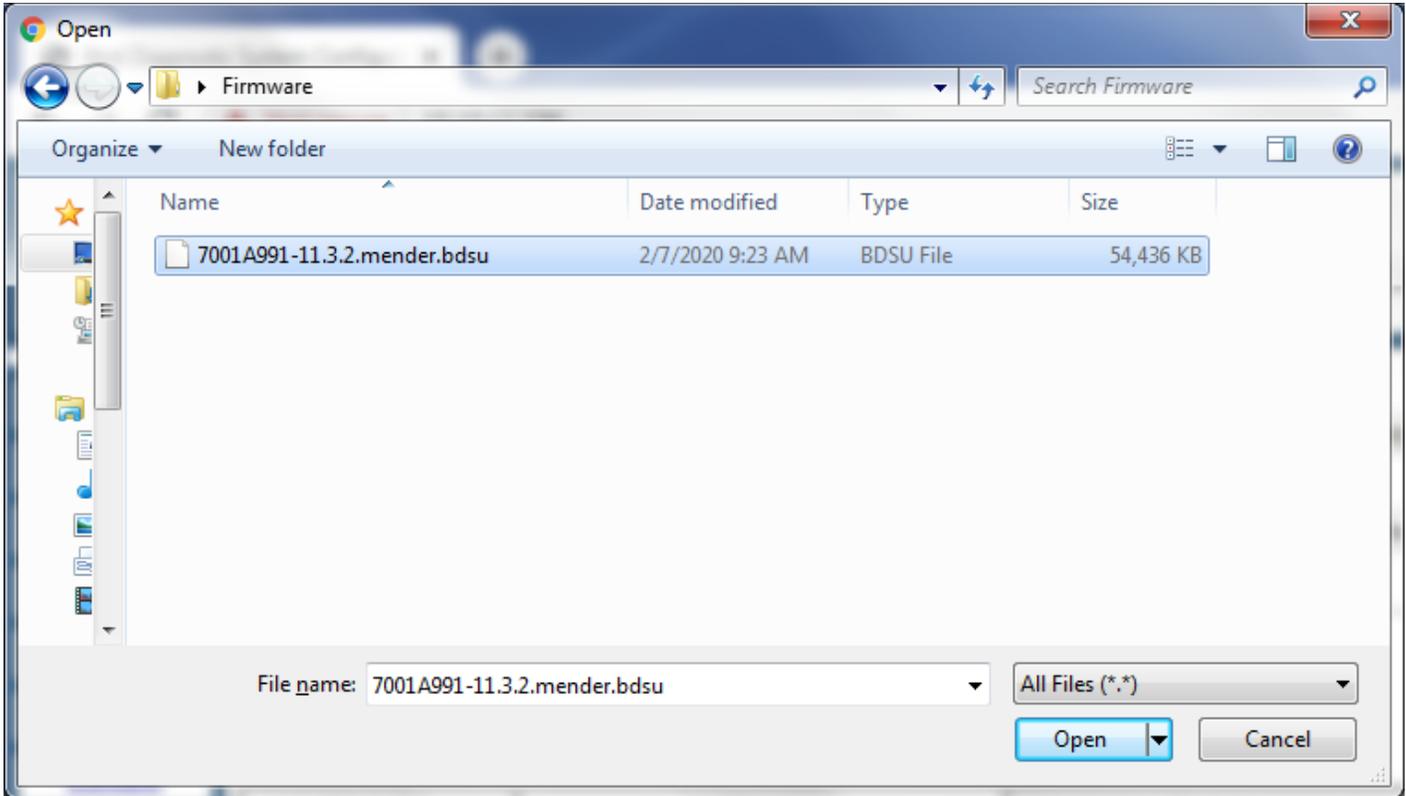
[Help](#)

Filename: [Upload File](#)

Update History

Date Applied	Filename	Description
February 03, 2020	bds2-image.2.2.mender.bdsu	BDS2_Receiver_33

Select the “.mender.bdsu” file and click “Open”:



Click on “Upload File”:



- [Home](#)
- [Setup](#)
- [Security](#)
- [Updates](#)
- [License](#)
- [Logout](#)

BDS Firmware Update

[Help](#)

Filename: 7001A991-11...ender.bdsu

Update History

Date Applied	Filename	Description
February 03, 2020	bds2-image.2.2.mender.bdsu	BDS2_Receiver_33

Wait approximately 1 minute as the file is uploaded to the receiver. Upon completion of the file upload, you will see a “File uploaded successfully” confirmation. Then click the “Apply Update” button:



[Home](#)

File uploaded successfully.
Please click on 'Apply Update' to perform the update. May take a few minutes.

Wait approximately 3-6 minutes as the BDS2 applies the update. Note: The screen will not be changing during this time so please be patient and wait for the next screen to load. Upon completion of the applied update you will see confirmation on the webpage showing “Update was applied successful. Please reboot the BDS for the update to take effect”. You may then click on the “Reboot” button:



[Home](#)

Update was applied successfully. Please reboot the BDS for the update to take effect.

You must now refer to the LEDS on the front panel off the BDS2. Once the unit has finished rebooting and the three status LEDS are glowing green, wait another 20 seconds and then click the “Confirm Update” button on the webpage:



The screenshot shows the Bird Technologies BDS Configuration web interface. At the top, there is a header with the Bird Technologies logo on the left and the 'bds Configuration' logo on the right. Below the header is a navigation menu on the left with links for Home, Setup, Security, Updates, License, and Logout. To the right of the menu, there is a 'Confirm Update' button. Below the button, the text reads 'Rebooting...' followed by 'Please wait for the BDS to reboot(may take a few minutes). Then click on the 'Confirm Update' button to complete the update.' There is also a 'Reboot' button visible.

The receiver will now show that the update has been confirmed successfully. Now reboot the BDS2 once more by clicking the “Reboot” button on the webpage:



The screenshot shows the Bird Technologies BDS Configuration web interface after a successful update. The header and navigation menu are the same as in the previous screenshot. The main content area now displays the message 'Update confirmed successfully. Please reboot the BDS for the update to take effect.' Below this message, there is a 'Reboot' button and a 'Return to Previous Page' button.

You will now the page show “rebooting”. Once the three LEDs on the front of the BDS2 return to green, click on the “Logout” tab on the left menu bar:



[Home](#)
[Setup](#)
[Security](#)
[Updates](#)
[License](#)
[Logout](#)

Rebooting...

Please wait for the BDS to reboot(may take a few minutes). Then re-login.

Click on the “Home” tab on the left menu bar:



[Home](#)
[Login](#)



Username:

Password:

You will now see the newly applied BDS2 Software version below the “Software Version Information” Text:



- [Home](#)
- [Setup](#)
- [Security](#)
- [Measurement](#)
- [Updates](#)
- [License](#)
- [Logout](#)

BDS Web UI v3.1, 01/15/2020

Model Information

Name	Model	S/N	Mfg Date	Cal Date
Probe	7001A550-1-1414	183100697	08/20/2018	08/20/2018
Cable	7001B040-5M	183501356	09/07/2018	09/07/2018
Receiver	7001A900-2	194400028	01/16/2020	01/16/2020

Software Version Information

Name	Version	Date
BDS2 Build Info	BDS2_Receiver-50	02/06/2020
BDS2 Host	3.2	02/06/2020
FPGA	0.112	01/04/2020
CmpData DLL	3.2	02/06/2020

The receiver has now been updated with the latest firmware. Note: You may want to change your computer’s network settings back to the original state. To do so follow the instruction at the beginning of the procedure to get to the IPv4 settings and select the “Obtain an IP address automatically” to return to DHCP.

