JAVAD GNSS Inc.
Configuring the HPTxxxBT Radio on Triumph-2 Triumph-3NR

Using NetView and Modem application

June, 2023

The **HPTxxxBT** radio modem and the **TRIUMPH** receiver ship from the factory already paired and ready to communicate with each other out of the box.
Once powered, both the radio modem and receiver will show their blue LEDs lit indicating their linked communications.
Usually this only takes a few seconds.

When you purchase a radio from Javad GNSS separately from the purchase of the receiver, the ***NetView and Modem*** application is available to establish their pairing.

NV&M can also be used in establishing a pairing with multiple radio modems in the HPT series which include:

HPT901BT*, HPT401BT, HPT404BT and the HPT435BT

Pairing the Radio Modem

Step 1

- Connect the **TRIUMPH** to your PC using the USB cable: USB Cable, A / micro B, (3.3 ft / 1.0 m) [14-578156-01].
- Power the **TRIUMPH** receiver on.

Step 2

- Connect the **HPTxxxBT** to your PC via a Serial port or the USB port.

  ** Be sure to connect the antenna before powering the radio on **
- Power the **HPTxxxBT** radio modem on.

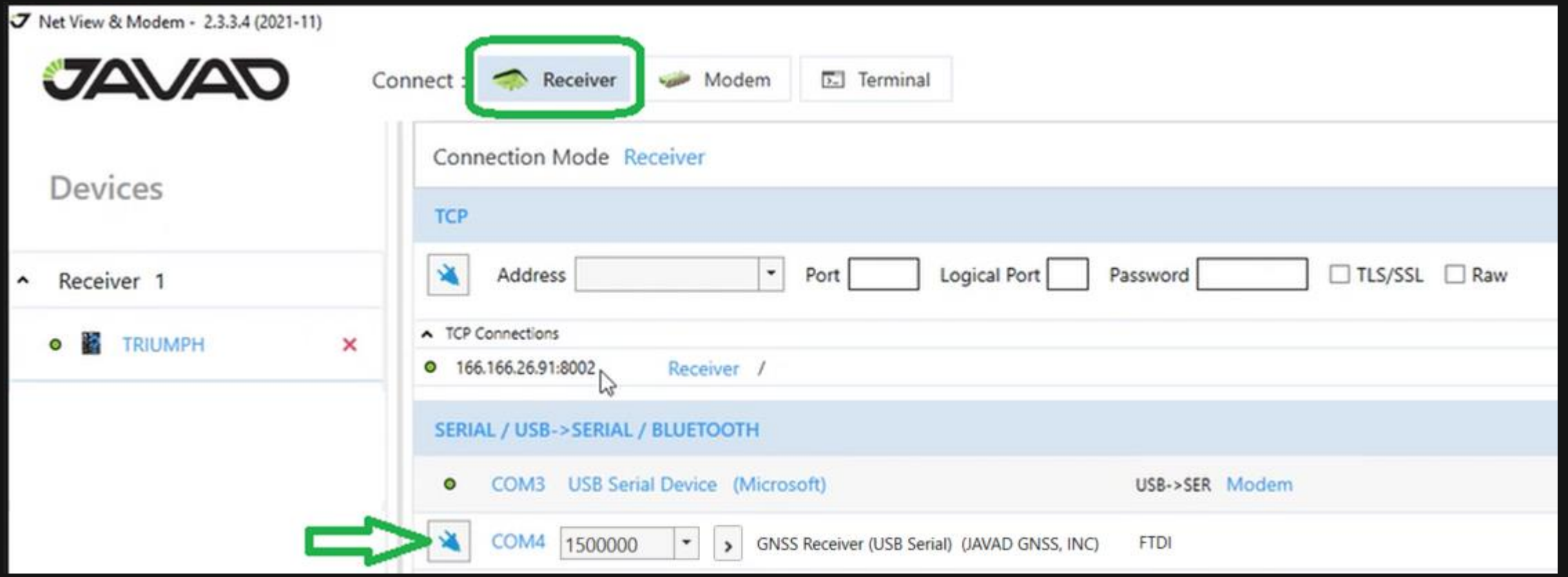
Step 3

- Run the **Net View and Modem** (*NV&M*) application on your PC.

Pairing the Radio Modem

Step 4

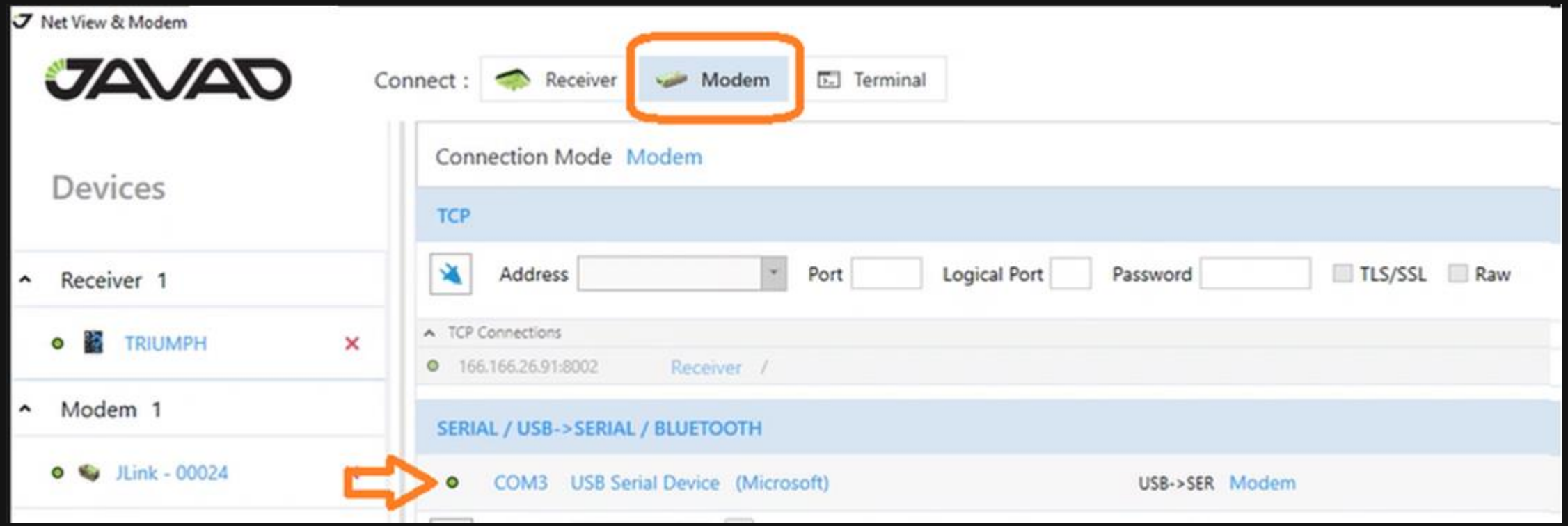
- Using NV&M, establish a connection to the **TRIUMPH** to your PC by using USB connection (*or TCP*).



Pairing the Radio Modem

Step 5

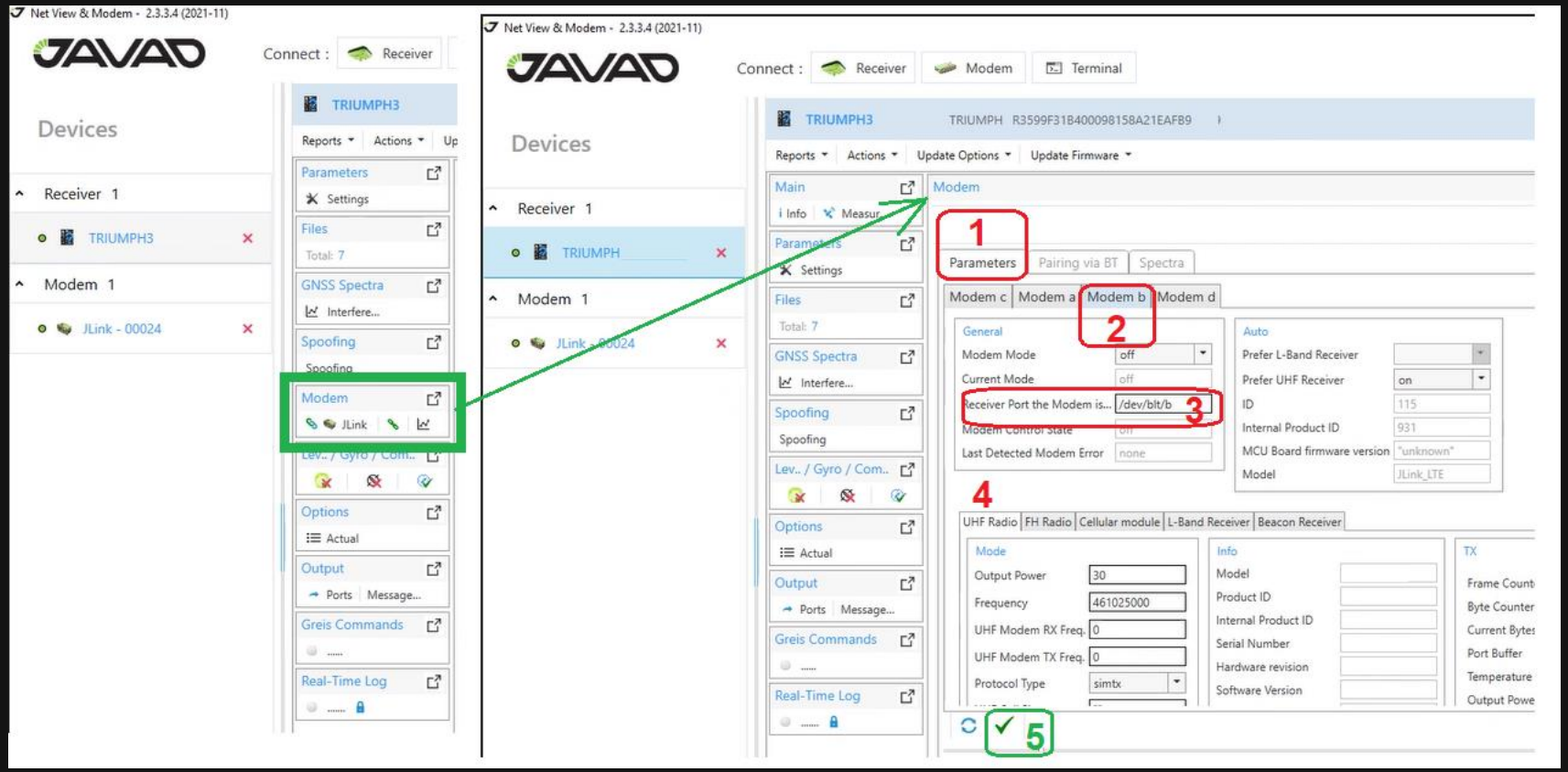
- Using NV&M, establish a connection to the **HPTxxxBT** to your PC by using either Serial or USB



Pairing the Radio Modem

Step 6

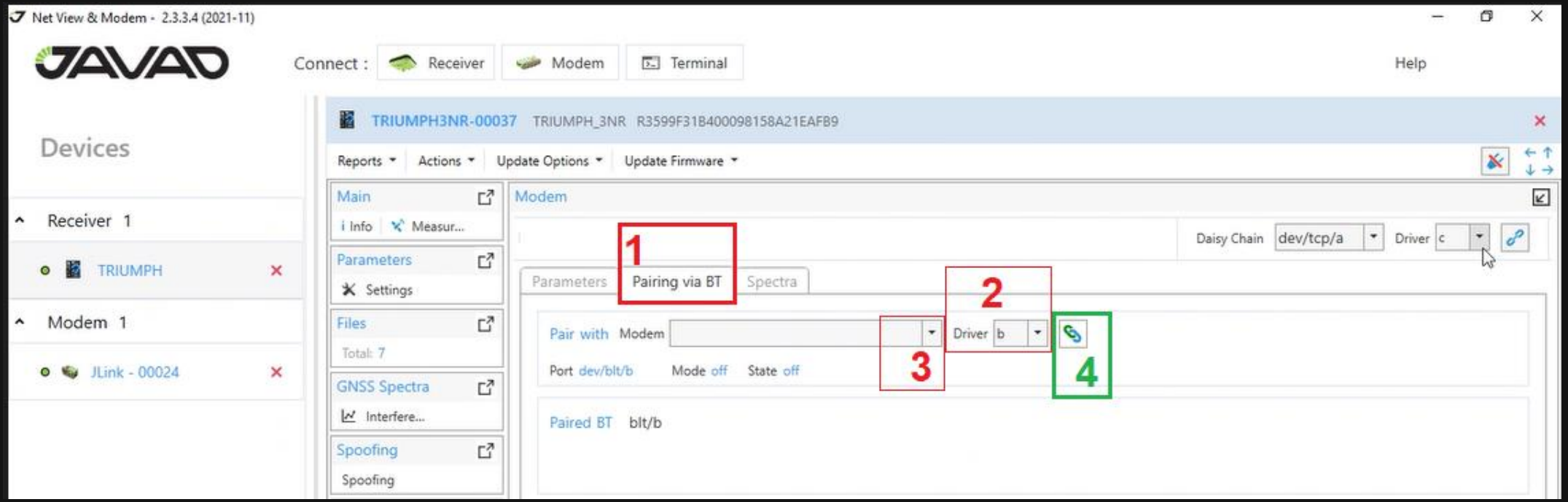
- Select Modem Option on the Receiver menu and then select the Modem Parameters '*tab*' & the Modem b '*tab*'.
- Select '**/dev/blt/b**' for the **Triumph** Receiver Port *Radio* Modem.
- Select the UHF Radio '*tab*'.
- and Select the Confirm '*Icon*'.



Pairing the Radio Modem

Step 7

- Select the Pairing via BT '*tab*'.
- Select Driver '**b**' for the 'Pair with Modem'.
- Select the Modem type from the dropdown box selection and Select the confirm '*Icon*'.
- then Click the Pair '*Icon'*.

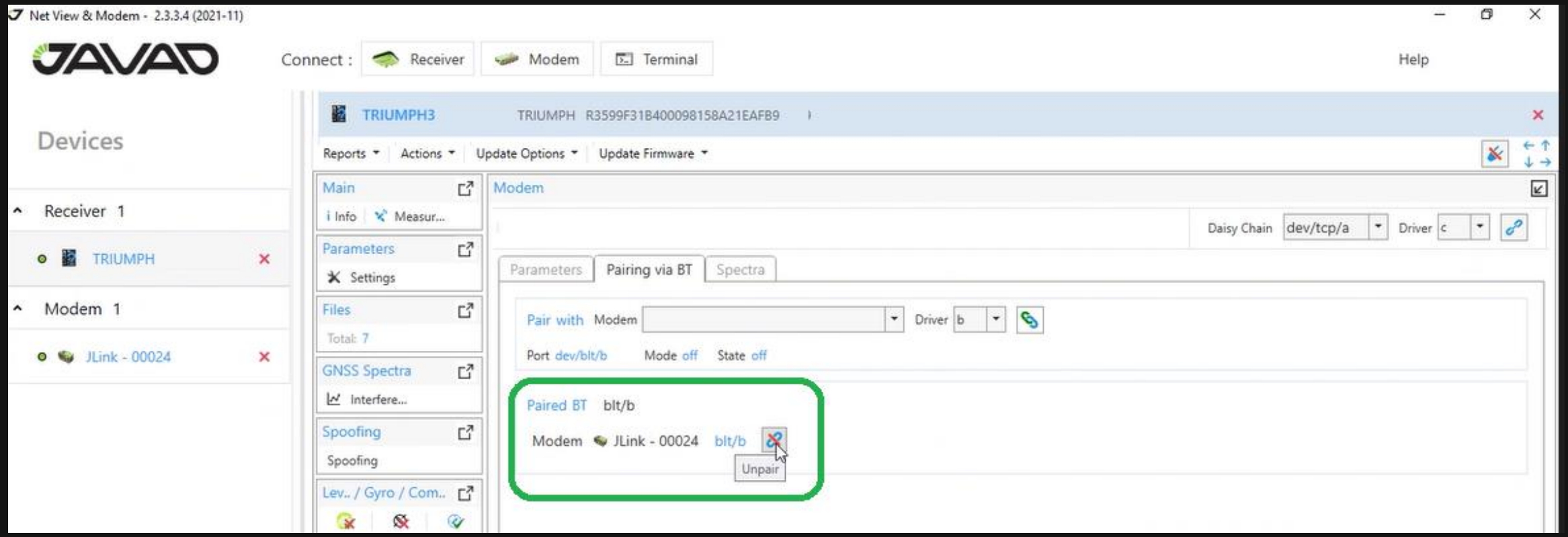


Pairing the Radio Modem

Step 8

- Check that the **Triumph** and **HPTxxBT** radio are 'paired' using '**blt/b**' (*Bluetooth Port b*).

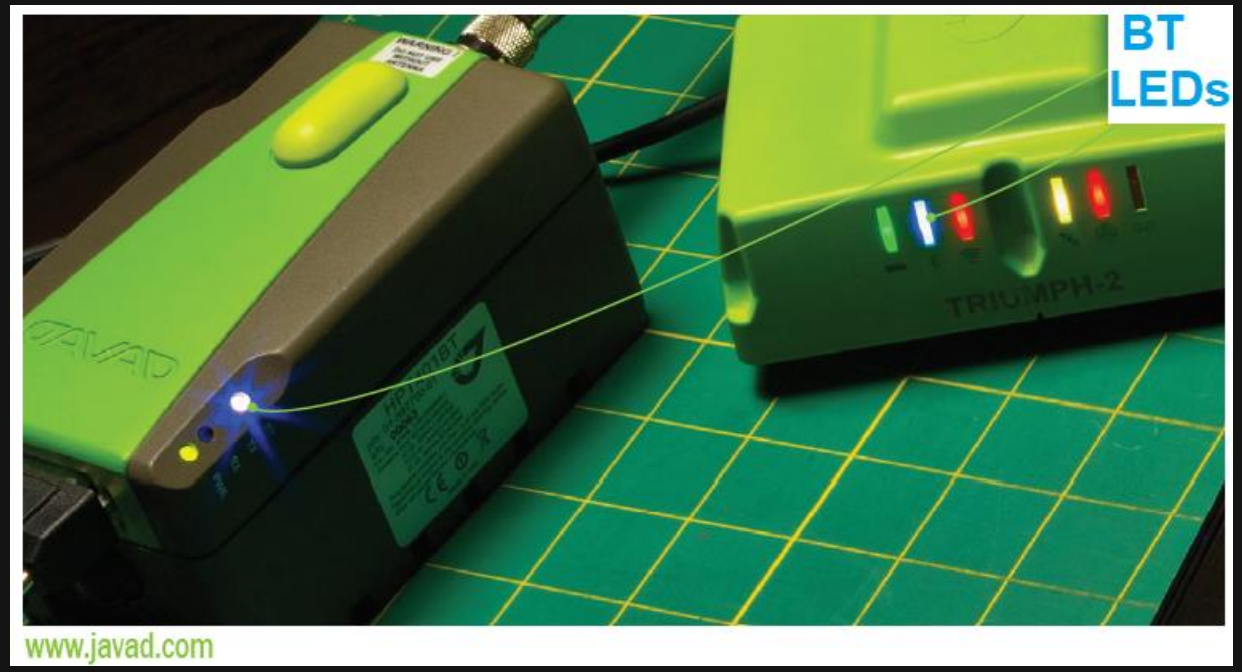
  Note: The BT link can be 'un-paired' by selecting the Unpair 'Icon'



Pairing the Radio Modem

Step 9

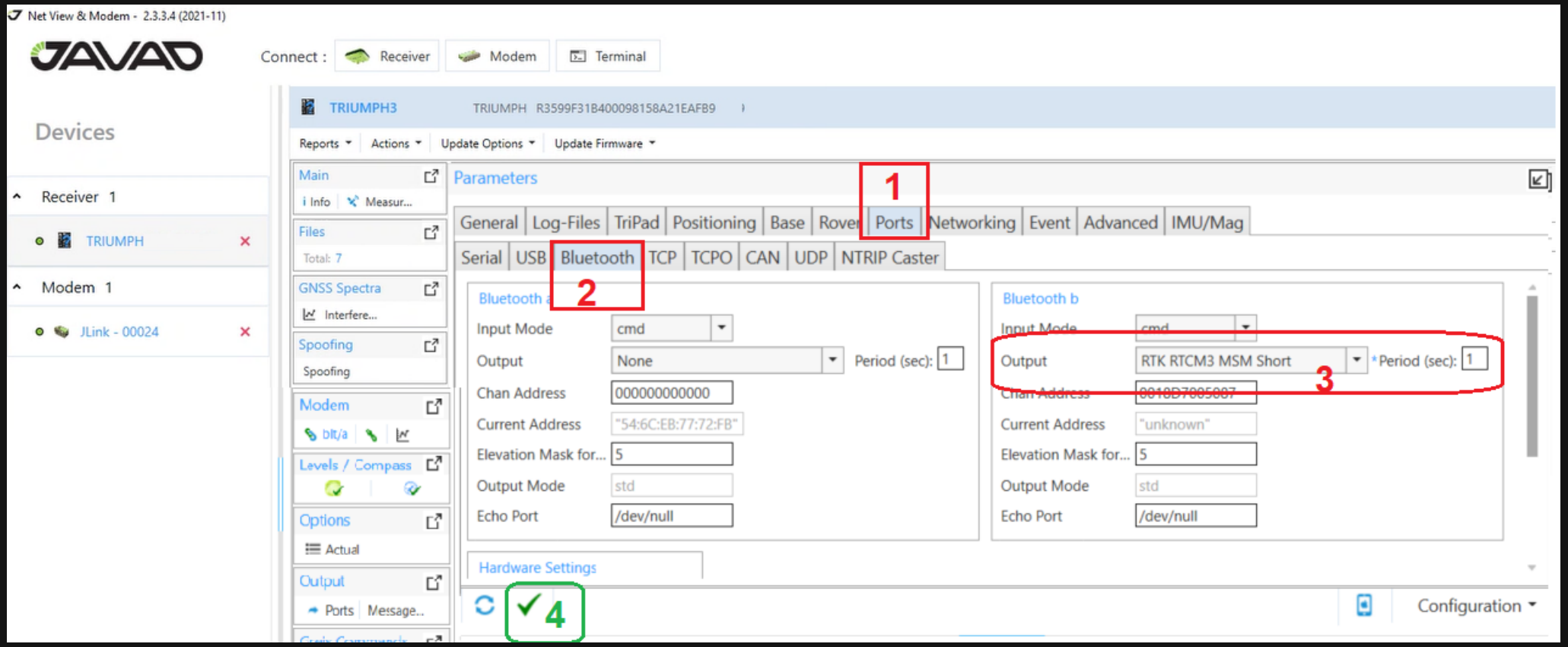
- The Bluetooth LED on both the **TRIUMPH** and **HPTxxxBT** should now both be blue.



Pairing the Radio Modem

Step 10

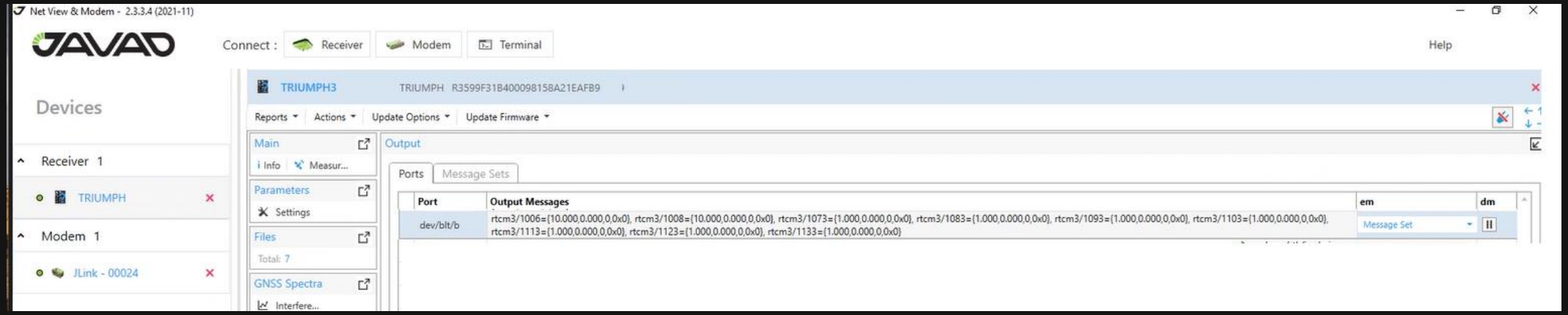
- Configure Base station RTK RTCM3 correction data output using the Ports '*tab*' & Bluetooth '*tab*'.
- and Select the Confirm '*Icon*'.



Pairing the Radio Modem

Step 11

- Base station RTK RTCM3 correction data output can also be configured using the Receiver Output menu option, then select the Ports '*tab*'.
- Locate the Port '**/dev/blt/b**'.
- Select the Message Set from the 'drop down menu.



Pairing the Radio Modem

Step 12

- Return to the Main screen and you can check the system.