



COMPASS GPS – Support Note No. 34, V7

UPDATE THE NOAHLINK DRIVER

Description

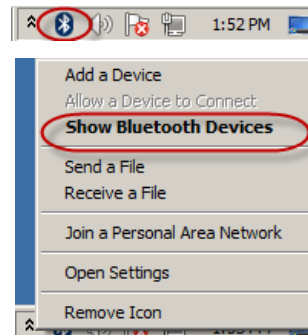
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Install the Bluetooth (BT) adaptor and the NOAHlink

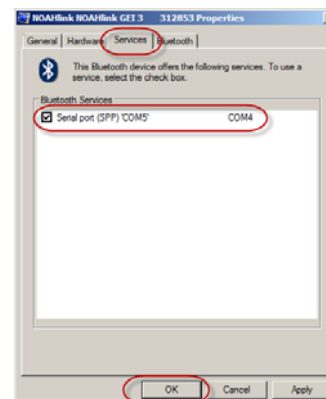
Windows systems from Windows 7 and newer include the necessary Microsoft stack, which should be used to communicate with the Ezurio/Laird BT adaptor that comes bundled with the NOAHlink. When you insert the Ezurio/Laird adaptor, the operating system automatically detects it and installs the driver needed. After the installation, a small Bluetooth icon appears next to the clock in the lower right corner of the screen.

1. Make sure that the NOAHlink is already equipped with a new or fully charged battery.
2. Turn on the NOAHlink, and wait for the green light on it to flash.
3. Right-click the BT icon in the status bar.
4. Select *Show Bluetooth Devices*.



On Windows 7:

5. The Device and Printers window is now shown.
6. Select *Add a device*. Your NOAHlink will now be listed with its Serial Number (the serial number is listed on the back of the NOAHlink) in the Add a device window together with other BT devices found.
7. Select and right-click your NOAHlink, and select *Properties*.
8. Select the *Service* tab, and add a check mark in the box next to *Serial port (SPP)* 'COM5'.
9. Select *OK*.
10. Select *Cancel* in the Add a device window, and close the Device and Printers window.



On Windows 8 and Windows 10:

5. The Manage Bluetooth Devices window is now shown. Here you can see all available BT devices, including NOAHlink. This is information only – you CANNOT pair the device from this screen.
6. Verify that your NOAHlink is listed with its Serial Number (the serial number is listed on the back of the NOAHlink).
7. Close the Manage Bluetooth Devices window.

Install the latest NOAHlink Properties Program

Description

From time to time, a new version of the NOAHlink driver becomes available, and COMPASS GPS may need the newest driver to work correctly together with NOAHlink. The latest version can find available NOAHlinks much faster. This is possible because the number of COM ports searched for devices has been decreased to only COM ports with connected Bluetooth devices.

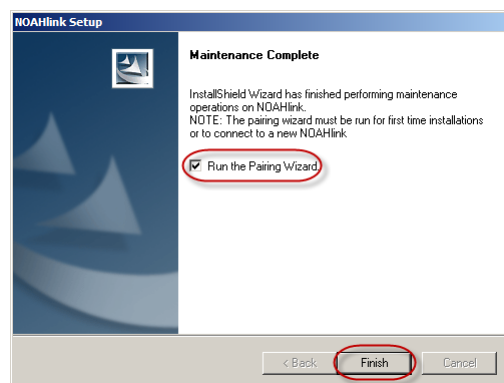
Install the NOAHlink Properties Program from COMPASS GPS DVD or Compass V5 CD:

1. Insert the DVD/CD.
2. Browse to Support → NOAHlink → NOAHlink Properties Program folder.
3. Double-click the file *NOAHlink_xx.xx.xx.exe*.

- o If you lack user rights to do this, you will be prompted with a pop-up message explaining this.
- o You might be able to right-click the setup.exe file and choose *Run as Administrator*.

The installation wizard appears.

4. Select *Run* to start the Installation Wizard, and follow the steps.
5. In the last window in the installation, you will be asked to run the pairing.
 - o If you place a check mark next to *Run the Pairing Wizard*, the NOAHlink Pairing Wizard will automatically start after you have selected *Finish*.
 - o Go to the **Pairing the NOAHlink** section for instructions on how to pair.
 - o You can also remove the checkmark for later pairing.
6. Select *Finish* to end the installation.



Download and install from HIMSA

1. You can always download the newest driver from the HIMSA homepage at <http://www.himsa.com>, or directly by using this link :

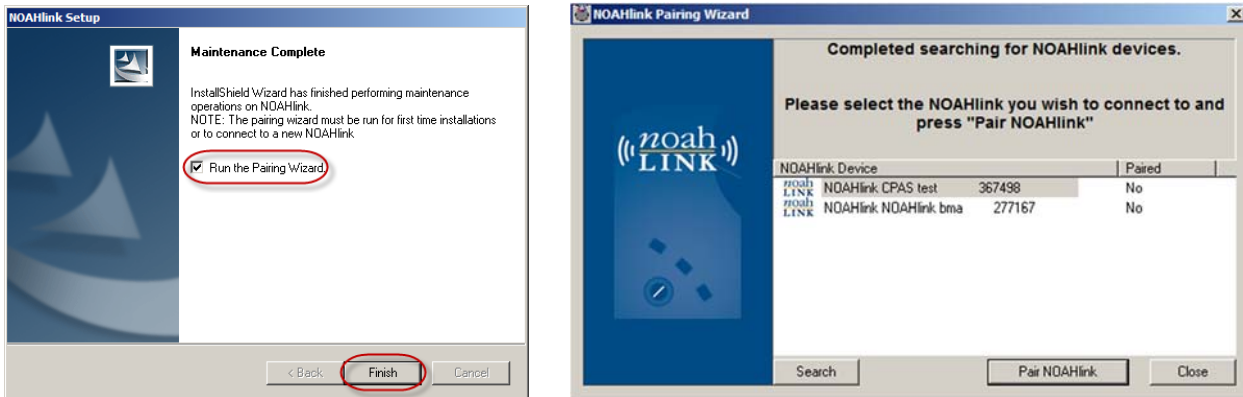
<http://www.himsa.com/Download/NOAHlinkUpdatesandPatches/NOAHlinkUpdate/tabid/485/language/en-US/Default.aspx>
2. Open the page on the HIMSA Internet site where you can download the *NOAHlink Properties Program* (*NOAHlink Updates*).
3. Download the newest *NOAHlink Properties Program* version by selecting it in the table. Save the file first.
4. The File download window appears. Select *Save*. Then choose between *Save* and *Save as*, (where you have to locate the folder in which to save the file).
5. When the download is complete, locate the downloaded file, and double-click it. You may need to select *Run* to start the Installation Wizard.
6. Maybe the window *WinZip Self-Extractor - NOAHlink Properties Program.exe* appears. Select *Setup/Unzip*.
7. After the file is unzipped, you might have to answer *Yes* to start the Installatoin Wizard. In the last window of the installation, you will be asked to run the pairing. Go to the **Pairing the NOAHlink** section for instructions on how to pair, or remove the checkmark for later pairing.
8. Select *Finish* to end the installation.

Download and run the installation directly

1. When the download starts, the file download window appears. Select *Run*.
2. After downloading has finished, you may have to select *Yes* to start the Installation Wizard.
3. In the last window in the installation, you will be asked to run the pairing. Go to the **Pairing the NOAHlink** section for pairing instructions.

How to get connected to the NOAHlink

Step 1a: Pairing the NOAHlink



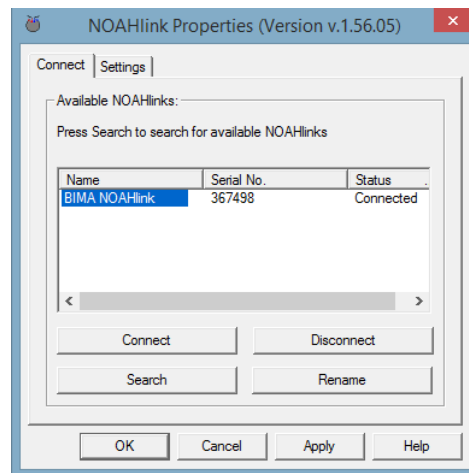
1. In the last window of the installation, you are asked to run the pairing. Select *Finish* to start the pairing. See illustration to the left above.
2. The Pairing Wizard window appears. See illustration to the right above. Select *Search*, and wait for the program to find the NOAHlink.
3. A list of available NOAHlinks appears. Highlight your NOAHlink in the *Connect* window.
4. Select *Pair NOAHlink*. After the pairing, select *Close* to close the *NOAHlink Pairing Wizard* window.
5. Continue to Step 2 on page 6.

Step 1b: Run the Pairing Wizard from the NOAHlink Program group

1. Select *Start -> All Programs -> NOAHlink*.
2. Select the NOAHlink Pairing Wizard.
3. Select *Search* to search for NOAHlinks.
4. When your NOAHlink appears, select *Pair NOAHlink* and then *Close*. The NOAHlink is now paired.

Step 2: Connect NOAHlink in the NOAHlink Properties Program

1. Select *NOAHlink Properties* from the NOAHlink Program group under Start. The NOAHlink Properties Program opens.
2. Select *Search*, and wait for the program to find your NOAHlink.
3. A list of available NOAHlink devices appears. Highlight your NOAHlink in the Connect window.
4. Select *Connect*. Wait until the word “Connected” appears under *Status* in the Connect window.
 - a. Select *Disconnect* to disconnect the NOAHlink.
 - b. Select *Rename* if you would like to give the NOAHlink a unique name in order to differentiate between NOAHlinks available in your workspace.
5. Select *OK*. Your NOAHlink is now ready to be used in COMPASS GPS and WSPw.



For **Windows 8 and Windows 10**: After the installation you can easily find the NOAHlink Properties Program:

- Under the directory '**Recently added**', or
- Search for the NOAHlink Properties Program when right-clicking **Start**.

Walk-through of the NOAHlink Properties Programs Advanced section

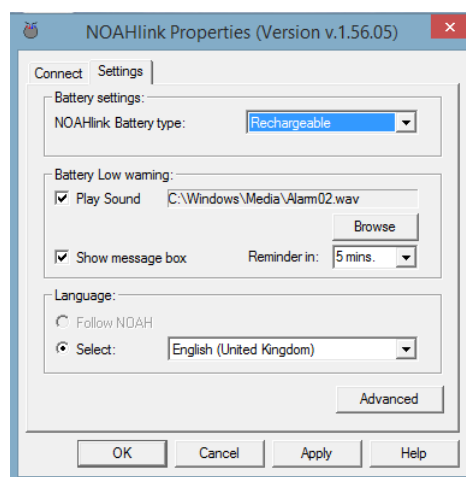
Settings tab

The **Settings tab** gives you general information.

Under *Battery settings*, you should verify that the correct *NOAHlink Battery type* is chosen.

Under the *Battery Low warning* section you can choose to play a sound if the battery is running low.

In the *Language* section you can select the language used in the NOAHlink Properties Program.

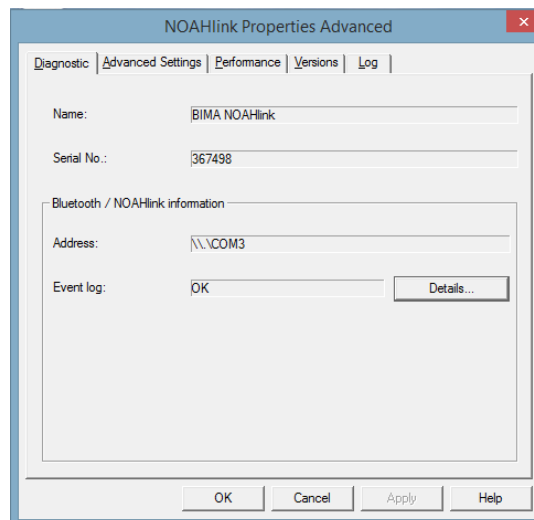


If you select *Advanced*, you get access to five tabs giving you further advanced information.

In the section below, each tab will be briefly introduced.

Diagnostic tab

Diagnostic gives information about the name of the connected NOAHlink, its Serial No, and which COM port the NOAHlink is connected to.

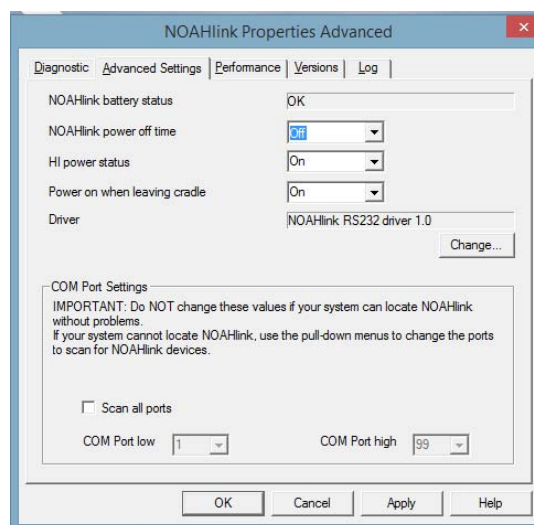


Advanced settings tab

Advanced Settings contains the following information:

- *NOAHlink Battery status*
- *NOAHlink power off time* - when the NOAHlink should automatically switch off. We recommend the *Off* setting
- *HI power status* – should be *On* when wired hearing aids are connected to the NOAHlink.

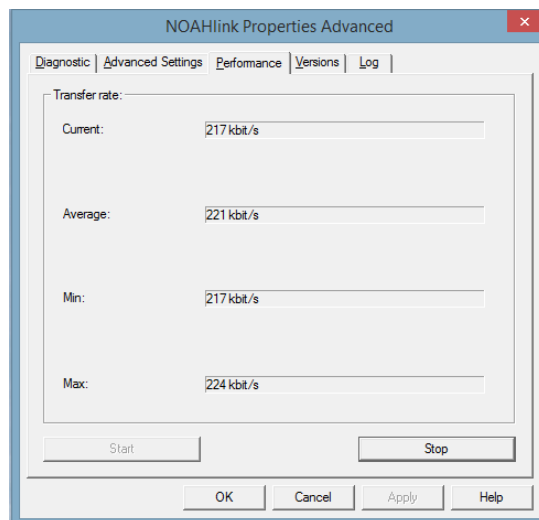
With the latest version of the NOAHlink Properties Program, HIMSA has improved the COM port search feature, which makes it much faster to find available NOAHlinks. As mentioned earlier, this is possible because the amount of COM ports searching for devices, has been decreased to only COM ports with connected Bluetooth devices.



If needed, *COM Port Settings* can be changed here. Normally, you should not have to change anything here.

Performance tab

Under the **Performance** tab, you can start up a small test to verify the communication between the NOAHlink and the Bluetooth adaptor.

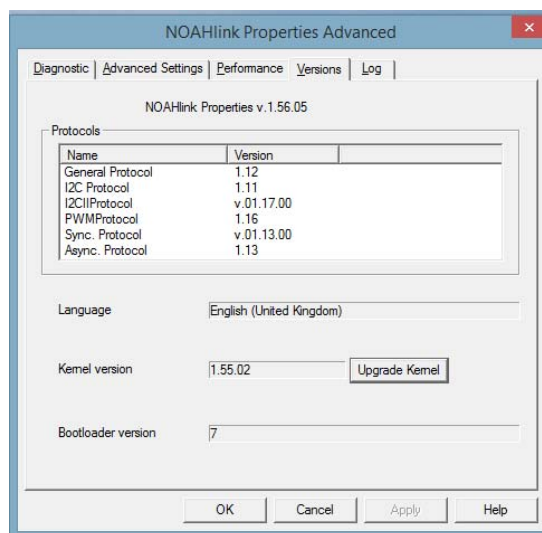


Version tab

The **Version** tab gives you an overview of the protocols in use with names and version numbers.

The *Kernel version* must be updated from time to time – it is not very often that there are updates to the Kernel software (the software inside the NOAHlink).

The *Bootloader version* is also quite important. The version is part of the kernel software and is not something you can upgrade without a Kernel Upgrade. In this section, you can see which Bootloader version your system is running.



See in more detail how to upgrade the kernel software in the section below on page 9.

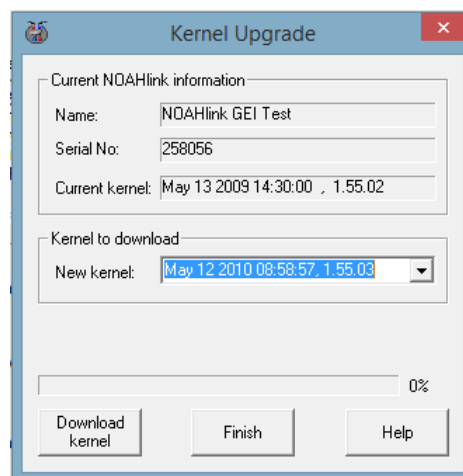
Make sure that you always use the latest NOAHlink Properties Program to ensure access to the latest kernel and Bootloader versions.

If the NOAHlink contains a kernel version older than **1.55.03** or the Bootloader version is lower than 8, a kernel upgrade is strongly recommended.

Procedure for upgrading the Kernel software

Warning! The following steps should only be done if the NOAHlink uses a new or fully charged battery!

1. Leave your NOAHlink switched on throughout the following steps.
2. In the NOAHlink Properties Program, select *Settings*, and then *Advanced*.
3. Select the *Versions* tab.
4. Select *Upgrade Kernel*. If a newer kernel is available with the driver, it is displayed in the *New kernel* window.
5. Select *Download kernel* to update NOAHlink.
6. Close the *Upgrade kernel* window.
7. Select *OK*.
8. Select the *Connect* tab.
9. Select *Disconnect*.
10. Select *OK* to close the *NOAHlink Properties* dialog box.



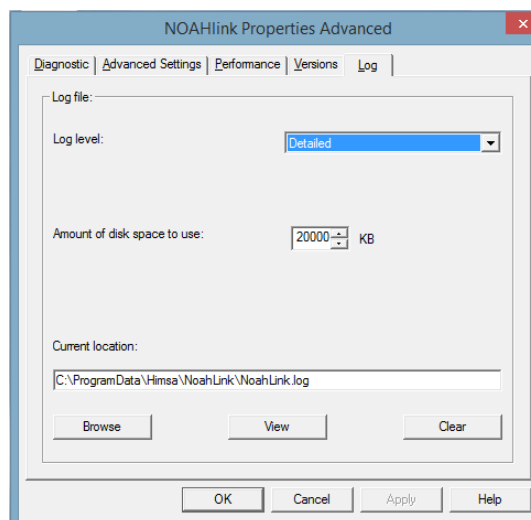
Log tab

From the **Log** tab, you can choose the desired *Log level*, depending on the information needed.

Make sure that the *Amount of disk space to use* is set relatively high. Approximately 20.000 KB should be enough for even a large log file. *Current location* informs you where the log file is kept. *Browse* opens the File Explorer and gives you the possibility to get the file if you need to access it, or save it elsewhere. You can *View* the contents of the log from within the NOAHlink Properties Program by choosing *View*, and you can empty the log file by choosing *Clear*.

Before you contact Support, the following process is recommended:

- 1) Make sure that *Log level* is set to *Detailed*.
- 2) Make sure that *Log size* is set to 20.000 KB.
- 3) Select *Clear*.
- 4) Select *OK*.
- 5) Reproduce the problem.



- 6) Collect the log, and send it together with a brief explanation to the WASS Support Team - wasssupport@widex.com

Lost connection to NOAHlink

If the NOAHlink cannot connect to the NOAHlink Properties Program, but still appears in the NOAHlink Pairing Wizard, the problem might be that it has lost connection with one of the two COM ports needed for upload and download of data. To solve this problem, the NOAHlink has to be removed from the Bluetooth devices on the computer, and paired again.

Windows 7, Windows 8, and Windows 10

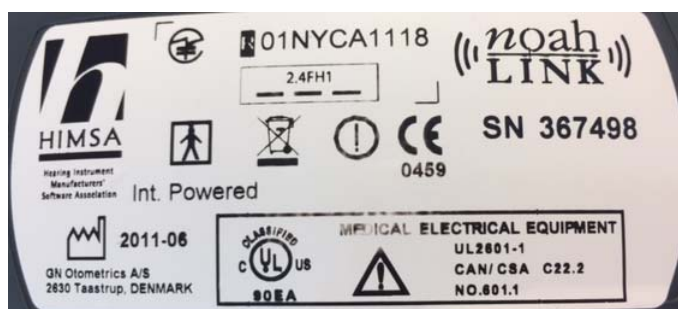
1. Right-click the *Bluetooth* icon in the toolbar.
2. Select *Show Bluetooth devices*.
3. Find the NOAHlink, and right-click it. See illustration to the right.
4. Select *Remove device*.
5. Select *Yes*.
 - The NOAHlink is now removed, and has to be paired again.
 - Remove the battery.
6. For pairing, use the *NOAHlink Pairing Wizard*.



NOAHlink production date and serial number

In connection with some NOAHlink issues, the production date may be important. If you need to know when your NOAHlink was produced, you can find it on the label on the backside of the NOAHlink.

- The production date is listed in the lower left corner.
- The Serial No (SN) is listed in the upper right part of the label.



Additional

If you still have issues using the NOAHlink in either COMPASS GPS or Compass V5, please contact the WASS Support Team on wasssupport@widex.com