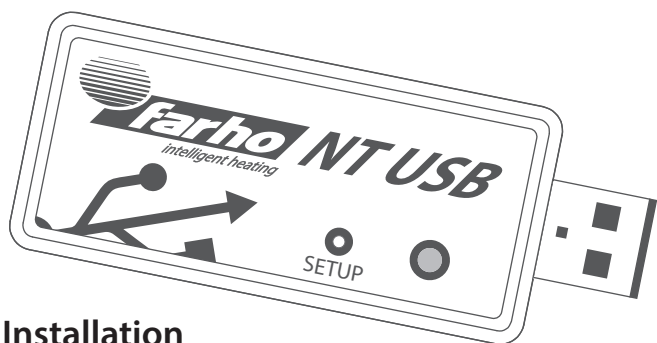


OPERATING INSTRUCTIONS



1. Installation

1.1 Installation of the device

Connect the NT USB to a power source, the red light will turn on. If this is the first time you are installing the device (or a factory reset has been performed), after a few moments the light will change to purple (steady). The NT USB is in **WiFi connect mode**.

1.2 WiFi connect mode

To connect the NT USB to your WiFi network you will need to have a phone or tablet.

With the NT USB in **WiFi connect mode** [Purple light steady] go to the Wi-Fi settings on your phone or tablet and scan for available Wi-Fi networks in your environment.

The NT USB in **WiFi connect mode** generates a network whose name (SSID) follows the format "MIFarho_xxxx" where "xxxx" is the unique identifier of your NT USB (IDU).

Connect your phone or tablet to this WiFi network.

Once connected, your phone or tablet should automatically display the WiFi configuration web page:



Click on the drop-down menu (---) to display the names of the networks (SSIDs) that have been found in the environment and select one. You can also enter the name of the network directly in the "SSID" field.

Then enter the password of the WiFi network you want to connect to in the "PASS" field.

When you have finished entering the values, press the "Save" button to send them to the NT USB.

If everything is correct, the NT USB will reboot and after a few moments it will only show a steady green light.

If the WiFi network does not have access to the Internet or for any other reason the NT USB cannot connect to the remote access servers, the NT USB will display the **No remote mode** light code: solid orange light. The NT USB will operate normally but only if you are connected to the same WiFi and every so often the NT USB will reboot.

1.3 Pairing the NT USB with a phone or tablet

To pair the NT USB you will need to have a compatible phone or tablet and download the "Farho-Control" app from the app store of your phone or tablet.

Before starting the process you must check that the phone or tablet is connected to the same WiFi network that the NT USB is connected to.

Run the App and accept the terms and conditions. The App will wait for pairing. At this point we may be asked for permissions to access the local network, it is necessary to respond affirmatively to the request for the App to work correctly.

With the App in standby, press the NT USB button until the light turns yellow and release. The phone or tablet will show the progress of the pairing and once finished the initial installation message will disappear.

1.4 Adding heaters

In order to be able to control thermal emitters or other equipment it is necessary to add them to the NT USB.

In the main menu select the type of module to be installed and then in the tab bar at the bottom of the screen select "Configure".

If you have not created any zone previously or you want to install the equipment in a new zone, select "Add Zone". If you have previously created a zone and want to add the equipment to it, select "Edit Zone".

If you are creating a new zone you must enter a name before adding modules. Entering the name and pressing "OK" will create the new zone.

To add a new module press the "Add Modules" button, the NT USB will stand by. Follow the instructions in the manual of the module to be added to complete the process.

2. Updating the firmware

In order to access new functionalities, corrections and/or improvements it may be necessary to update the NT USB internal program (firmware).

To update the firmware the NT USB must be in **Configuration mode**. To access the **Configuration mode**, once the NT USB has a steady green light, press the button and hold it down until the light changes from yellow to purple. At this point, release the button and the purple light will start flashing: we are in **Configuration mode**.

Just press the button again (short press) and the NT USB will start updating (if there is a newer version). During the process the orange light will change intensity and turn off every 10%. The update should not be interrupted.

Once the process is finished the NT USB will restart. The new firmware version can be found in the help screen of the App.

3. Factory reset

If you want to delete all information from the NT USB and leave it as it was acquired (except for firmware updates), a factory reset is necessary.

From **WiFi connect mode** (steady purple light) or from **Configuration mode** (flashing purple light) press and hold the button (the light will alternate between yellow and purple as long as the button is pressed) when the light turns red you can release the button and the NT USB will be reset. Once reset the NT USB will reboot.

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4. Troubleshooting

4.1 What to do if you change the router or the WiFi password?

To change the WiFi network (SSID) or password, the **WiFi connect mode** must be forced.

To force the **WiFi connect mode**, disconnect the NT USB from the power supply and connect it again while holding down the button.

The module will initially show a red light, press and hold the button until the light changes to solid purple. At this point the module will be in **WiFi connect mode** generating the corresponding network (MIFarho_xxxx).

Then follow the instructions in section "1.2 WiFi connect mode".

4.2 What to do if the NT USB does not connect to the servers?

If the NT USB is in **No remote mode** [steady orange light] check that the router has access to the Internet, for example by accessing the Google search engine website with a web browser from a device connected to the same WiFi network as the NT USB. In case of problems with Internet access, contact your provider.

If there is no problem with the Internet connection try disconnecting the NT USB from the power supply, wait a few seconds and reconnect it.

Check for a firmware update by following the steps described in "2. Firmware update".

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If the problems persist, it may be that the servers are under maintenance or it is a one-off problem. In this case only the remote access will be interrupted, the rest of the NT USB functionalities will remain operational.

The service will be restored automatically without any action from the user.

5. Light codes

Normal operating mode	Steady green light	Normal operation
WiFi connect mode	Steady violet light	The NT USB is waiting for the WiFi network and password to be set up. See section: "1.2 WiFi connect mode".
Configuration mode	Flashing red light	NT USB is waiting to check for updates or reset to factory defaults.
Offline mode	Steady red light	The NT USB cannot connect to a WiFi network that has been previously configured for it. See section: "4.1 What to do if you change your router or WiFi password".
No remote mode	Steady orange light	The NT USB is not receiving a response from the remote access servers. See section: "4.2 What to do if the NT USB does not connect to the servers".

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6. Notes



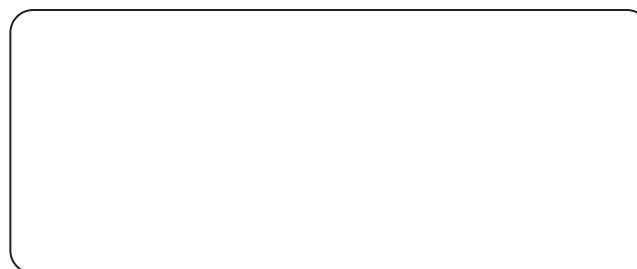
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If the problems persist, it may be that the servers are under maintenance or it is a one-off problem. In this case only the remote access will be interrupted, the rest of the NT USB functionalities will remain operational.

The service will be restored automatically without any action from the user.



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