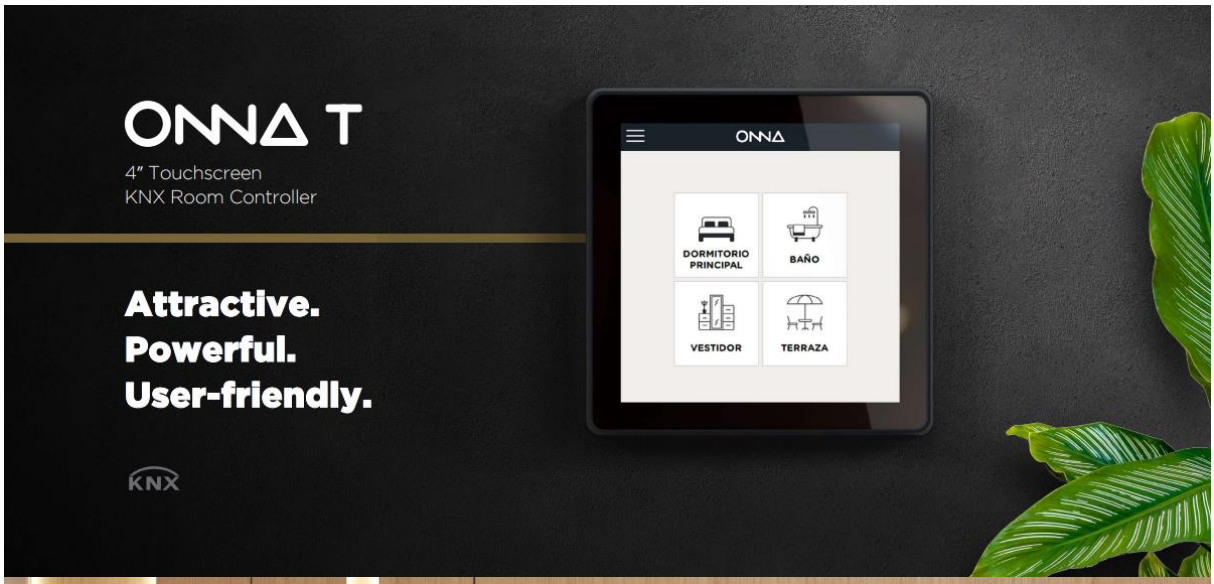
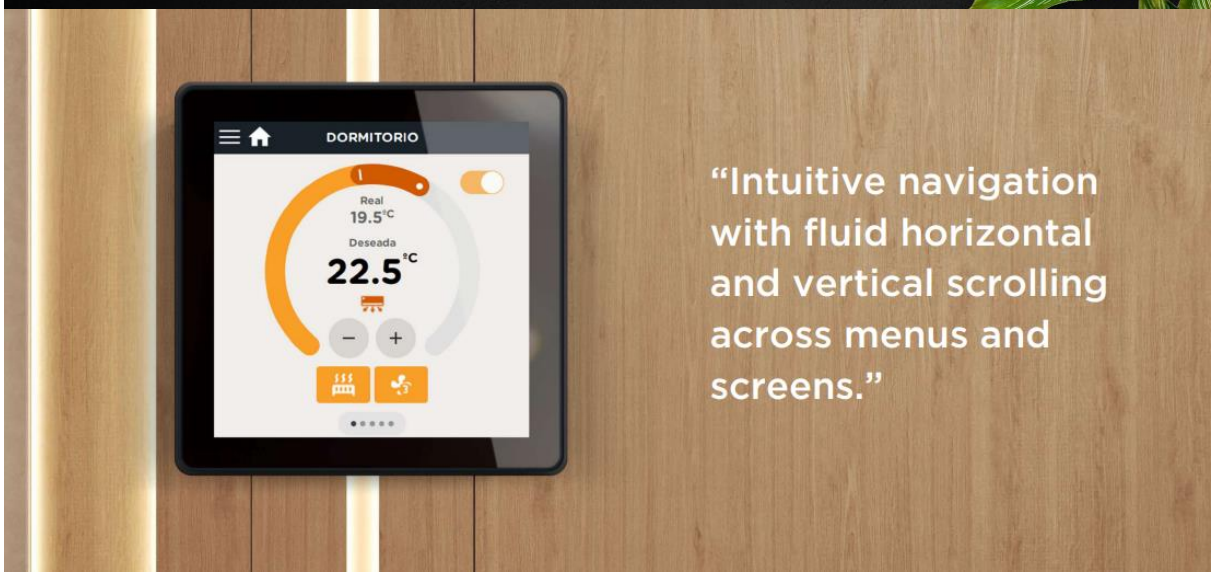
FIRMWARE

UPDATE MANUAL

ONNA T





CONTENTS

1. OBJECTIVE 3
2. MATERIALS REQUIRED 3
3. PREPARING THE USB STICK 3
3.1. Format check 3
3.2. Firmware download 4
3.3. Preparing the firmware file 4
A. Thermostats with a version earlier than v2.4 4
B. Thermostats running version 2.4 or later 4
4. UPDATE PROCEDURE 5
Step 1. Connecting the cable and the USB stick 5
Step 2. Power supply to the thermostat 6
Step 3. Accessing the settings menu 6
Step 4. Start the update 6
Step 5. Completing the update 7
5. PRECAUTIONS AND IMPORTANT CONSIDERATIONS 8
6. TROUBLESHOOTING 8
6.1. The update does not start 8
6.2. The connector does not fit properly 8
6.3. The thermostat does not return to the home screen 9
6.4. The problem persists 9

1. OBJECTIVE

The purpose of this document is to describe the procedure for updating the **ONNA-T thermostat firmware** using a USB stick and the USB-to-10-pin connection cable.

The procedure involves preparing **the USB stick, connecting the device and running the update** via the thermostat's settings menu.

We recommend following all the steps in the order given to ensure that the process is carried out correctly.

2. MATERIALS REQUIRED

Before starting the update, you will need the following items:

- One **ONNA-T** thermostat.
- One **ONNA-T USB-10PIN** connection cable.
- One **USB stick formatted** to FAT16 or FAT32.
- The **firmware** file for the device.

The **USB stick** may contain other files. It does not need to be empty, provided that the requirements set out in the following section are met.

3. PREPARING THE USB STICK

Before connecting the USB stick to the thermostat, you must **check its file system and copy** the firmware file correctly.

3.1. Format check

Check that **the USB stick is formatted** using one of the following file systems:

- **FAT16**
- **FAT32**

If the memory is formatted using a different file system, it must be formatted to a compatible format before you continue.

Note: formatting may delete files stored in the memory. If you need to format the device**, please back up any important data beforehand**.

3.2. Firmware download

Download the **latest version of the firmware** from the following link:

https://onnahome.com/documentos/1.ONNA/Software/OnnaT%20

Once you have downloaded the file, **check which firmware version** is currently installed on the thermostat to determine how the file should be prepared.

3.3. Preparing the firmware file

The file name depends on the firmware version installed on the thermostat.

A. Thermostats with a version earlier than v2.4

If the installed version is lower than v2.4:

1. Rename the downloaded file to **OnnaT** (without any spaces or full stops at the end).
2. Do not add any file extension to the name manually.
3. Copy the file to the root directory of the USB stick.

B. Thermostats running version 2.4 or later

If the installed version is v2.4 or later:

1. You can keep the original file name or rename the file.
2. Check that the file retains the **.fwt** extension.
3. Copy the file to the root directory of the USB stick.

Important restriction

The root directory of the USB stick must not contain more than one file with the **.fwt** extension.

Before continuing, **please check that the firmware file is located directly on the USB stick** and not inside a folder.

4. UPDATE PROCEDURE

Once the **USB stick** has been prepared, you can begin the thermostat update procedure.

Step 1. Connecting the cable and the USB stick

1. **Locate** the relevant connector on the ONNA-T thermostat.
2. **Connect** the ONNA-T USB-10PIN cable to the thermostat.
3. **Check** that the connector is correctly oriented and that all the pins are aligned with their respective positions.
4. **Insert** the connector carefully, without forcing it.
5. **Connect** the USB stick to the USB end of the cable.

Caution: the **USB-10PIN connector** can only be inserted in one position. Do not force the connection if you encounter resistance. Check the orientation and alignment of the pins before continuing.



Figure 1. Correct connection of the cable to the ONNA-T thermostat.

Step 2. Power supply to the thermostat

With the **USB-10PIN cable and USB stick connected**, power the ONNA-T thermostat using the 12V power supply and, if required, connect the KNX system as well. Check that the unit powers up correctly and that the display is working.

If **KNX is not connected,** even if the display remains in standby mode, you can still access the menu and update the settings, although no control elements will be displayed.

Step 3. Accessing the settings menu

From the thermostat's main screen:

1. **Tap the three-line icon** in the top-left corner of the screen.
2. Select the **'Settings'** option.
3. **Scroll down** the screen until you find the **'Version'** section.

This section displays information about the firmware **version installed on the device.**

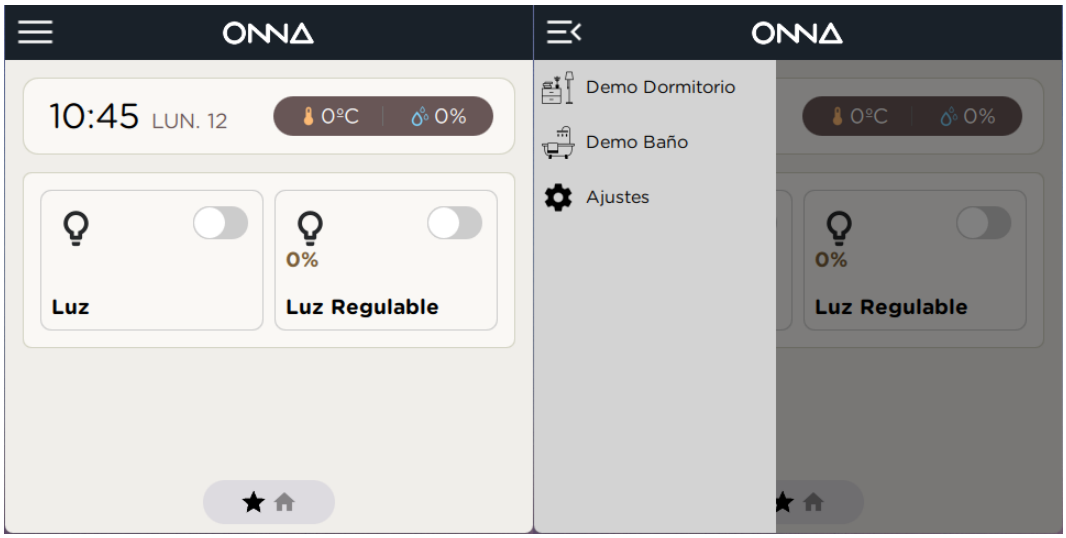


Figure 2. Accessing the 'Version' section from the settings menu.

Step 4. Start the update

In the **'Version'** section, locate the blue icon showing two arrows forming a circle.

Tap the icon to start the firmware **update process.**

If the process starts correctly, **the icon will spin briefly** and the update will begin.

The process usually takes a few seconds.



Figure 3. Icon used to start the firmware update.

Step 5. Completing the update

Once the update has **completed successfully**, the thermostat will automatically return to the home screen.

Once the process is complete:

1. **Check** that the device returns to the home screen.
2. **Go back** to the 'Settings' section and, if necessary, to **'Version'.**
3. **Check** that the firmware version installed is the one you intended to install.

The update will be considered complete once the thermostat has finished the process and returns to its home screen.

5. PRECAUTIONS AND IMPORTANT CONSIDERATIONS

To avoid any problems during the procedure, please bear in mind the following recommendations:

- **Only use a USB stick** formatted in FAT16 or FAT32.
- **Check that the firmware** file is compatible with the ONNA-T thermostat.
- **Check the file name and extension** to ensure they match the version installed on the device.
- **Copy the firmware file** directly to the root directory of the USB stick.
- **Do not have more** than one file with the **.fwt** extension in the root directory.
- **Check that the 10-pin USB** connector is correctly oriented and that the pins are aligned.
- **Do not force** the connector when inserting it.
- **Do not interrupt** the thermostat's power supply during the update.
- **Do not disconnect** the USB stick or the cable during the update process.

6. TROUBLESHOOTING

If the update does **not start or the process does not complete** as expected, please check the following points.

6.1. The update does not start

Please check that:

- **The USB stick** must be formatted to FAT16 or FAT32.
- **The firmware file** must be located in the root directory of the USB stick.
- **The file name must be compatible** with the installed version.
- **The file** must retain the **.fwt** extension where applicable.
- **There must be no more** than one **.fwt** file in the root directory.
- **The USB-10PIN cable** must be correctly connected.

6.2. The connector does not fit properly

Check the orientation of the connector and the alignment of the pins.

Do not force the connector into place. If the connector does not fit, carefully remove it and check its position again.

6.3. The thermostat does not return to the home screen

If the device does not return to the home screen after the usual refresh time, do **not immediately switch off the power or disconnect the cable.**

Check the status of the equipment and follow the instructions provided by technical support before taking any further action.

6.4. The problem persists

If the update is not completed after checking the points above, check the firmware file used and **ensure the USB stick** has **been prepared correctly**.

If you need further assistance, please contact technical support
soporte@onnahome.com