HAVERLAND®

TTPLUS SIMPLIFIED PROGRAMMING GUIDE 2023

Please verify that the switch on the unit placed on the right side is on the ON position.
Your radiator will then switch on.

NOTE: If you go quickly into the different settings there is no need to keep pressing the ⊜ to enter the user menu every time.

1. SETTING THE YEAR AND DATE

To modify the year and date, the radiator must be first on the AUTO setting, therefore, press the ⊜ button until you see "AUTO" on the top left corner of the display.

Now press and hold ⊜ , 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the **UP** or **DOWN** buttons until **5** is on the right-hand corner (the year and date will be flashing intermittently), press **OK** and select the current year by pressing the **UP** or **DOWN** and press **OK** to confirm**.**

The month will start flashing, select the current month with the **UP/DOWN** buttons and press **OK**. Select the day with the **UP/DOWN** buttons and press **OK**.

To exit the menu please press ⊜

2. SETTING THE HOUR

To modify the hour, the radiator must be first on the AUTO setting, therefore, press the ⊜ button until you see "AUTO" on the top left corner of the display.

Now press and hold ⊜ , 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the **UP** or **DOWN** buttons until **6** is on the right-hand corner (hour will be flashing intermittently), press **OK** and select the current hour by pressing the **UP** or **DOWN** and press **OK** to confirm**.**

The minutes will start flashing, select the current minutes with the **UP/DOWN** buttons and press **OK**. Select the day with the **UP/DOWN** buttons and press **OK**.

To exit the menu please press ⊜

2. HOW DO I CHANGE THE COMFORT / ECONOMY / ANTI-FREEZE TEMPERATURE?

- To modify the comfort temperature, the radiator must be first on the AUTO setting, therefore, press the ⊜ button until you see "AUTO" on the top left corner of the display.

  Now press and hold ⊜ , 4 horizontal lines will appear, and number **1** will be displayed on the right-hand corner, press **OK** and select the comfort by pressing the **UP** or **DOWN** and press **OK** to confirm**.**

The Comfort temperature is the highest temperature you select for your schedule, this temperature goes from 16ºC to 30ºC.

- To modify the economy temperature, the radiator must be first on the AUTO setting, therefore, press the ⊜ button until you see "AUTO" on the top left corner of the display.

  Now press and hold ⊜ , 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the **UP** or **DOWN** buttons until **2** is on the right-hand corner (hour will be flashing intermittently), press **OK** and select the economy temperature by pressing the **UP** or **DOWN** and press **OK** to confirm**.**

The economy temperature is selected for periods where the room is going to be unoccupied or when you need a background heating lower than the Comfort. This temperature goes from 12ºC to 18.5ºC.

Please note that the Economy Temperature must always be at least 2ºC lower than the Comfort Temperature

- To modify the Anti-freeze temperature, the radiator must be first on the AUTO setting, therefore, press the ⊜ button until you see "AUTO" on the top left corner of the display.

  Now press and hold ⊜ , 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the **UP** or **DOWN** buttons until **3** is on the right-hand corner (hour will be flashing intermittently), press **OK** and select the economy temperature by pressing the **UP** or **DOWN** and press **OK** to confirm**.**

This temperature is selected so the room will never freeze during periods of unoccupancy. This temperature must always be lower than the Economy Temperature. To change the Anti-freeze Temperature please press the **UP** or **DOWN** arrows and press **OK** to confirm. Recommended Anti-freeze Temperature, from 5ºC to 10ºC.

To exit the temperature menu please press ⊜ .

3. PROGRAMMING

To program your unit, the radiator must be first on the AUTO setting, therefore, press the ⊜ button until you see "AUTO" on the top left corner of the display.

Now press and hold ⊜ , 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the **UP** or **DOWN** buttons until **7** is on the right-hand corner (ProG will be displayed), press **OK** and select your programming by pressing the **UP** or **DOWN** and press **OK** to confirm**.**

PROGRAMMING OPTIONS
- **dAY**: Every day with a different programme. You will need to program each day of the week independently.
- **ALL**: Same programme for each day of the week, you will only need to program one day, and it will be repeated all 7 days of the week. (1,2,3,4,5,6,7)
- **PArt**: Weekdays and weekends programme. You will first program a schedule for the weekdays (1,2,3,4,5) and then you will program a second schedule for the weekends (6,7)

By default, the radiator will be from Monday to Fridays at comfort mode from 6 a.m. to 9 a.m., from 12 a.m. to 2 p.m. and from 6 p.m. to 11 p.m. The rest of the times, the radiator will be in economy mode.

In the weekends, the radiator works in comfort mode from 8 a.m. to 11 p.m. The rest of the times, the radiator will be in economy mode.

4. CONFIGURE YOUR PLAN TO YOUR NEEDS

After pressing **OK**, we will start programming our schedule. On the display the day or days of the week we are programming are displayed. Depending on the plan selected, different number of days will be displayed. Please note that day 1 stands for Monday and day 7 for Sunday.

The hour we are programming is also displayed, in our case 00:00. This means that we are going to select which temperature/mode we want for the first hour of the day (from midnight 00:00 to 1 am). To select the temperature/mode please press the **OK** button until the desired temperature/mode is displayed (Sun – Comfort; Moon – Economy; Snowflake – Antifreeze; OFF – radiator turned off).

Once you have chosen your desired temperature/mode please press the **UP** arrow to select the next hour of the day 01:00 (period from 1am to 2am). We then repeat the process above, please press the **OK** button until the desired icon is displayed and then please press the **UP** arrow to go to the next hour of the day.

If you wish to go backwards to the previous hour, please press the **DOWN** arrow, but please note that if you wish to save the changes made you will need to press **UP** arrow and go forward until you reach the last hour of the day.

Repeat the process above for the rest of the hours / days. Every time you finish a period you will see "End" on the display, please press **OK** to confirm and use the **UP/DOWN** to move to the next period. In case you chose ALL, you will not need to move to the next period.

To exit the temperature menu please press ⊜ .

Once you finish your schedule, please select the programming mode (AUTO) by pressing the ⊜ button until AUTO is displayed.

5. MANUAL MODE

To select the manual mode please press the **OK** button until the HAND icon is displayed on the right-hand side. To choose your desired temperature on the Manual mode please press the **UP/DOWN** arrows. Depending on the temperature selected the background light will be red, yellow or green.

Please note that the Manual mode temperature is independent from the Comfort/Economy/Antifreeze temperatures selected on the programming mode.

6. OFF MODE

If you want to turn off the radiator, please press the **OK** button until OFF is displayed on the right-hand side. The unit will not heat up regardless the temperature of the room and it will remain OFF until you select a different mode again.

7. TEMPERATURE SETTING

This allows you to adjust the ambient temperature measured by the radiator. This calibration compensates for a difference between the temperature obtained in the room by an external thermostat and the temperature programmed in the radiator.

To access it, the radiator must be first on the AUTO setting, therefore, press the button until you see "AUTO" on the top left corner of the display.

Now press and hold ⊜ , 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the UP or DOWN buttons until **4** is on the right-hand corner (The room temperature will be displayed), press OK and use the UP or DOWN to set the temperature accordingly to your external thermostat and press OK to confirm.

To exit the temperature menu please press ⊜ .

8. OPEN WINDOWS

This function is activated by default. This function activates when there is a sudden drop in the room's temperature. The radiator will disconnect to avoid losing energy. Once the temperature of the room is stable again, the radiator will return to the state it was in before it was disconnected.

To deactivated it, the radiator must be first on the AUTO setting, therefore, press the button until you see "AUTO" on the top left corner of the display.

Now press and hold ⊜, 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the UP or DOWN buttons until **8** is on the right-hand corner (YES will be displayed), press OK and use the UP or DOWN to set it to "no" and press OK to confirm.

To exit the temperature menu please press ⊜ .

9. INTELLIGENT FUNCTION "ITCS"

This function is activated by default. Its start-up of the machine in advance of the programmed time (2 hours maximum), to ensure that the required temperature is achieved at the indicated time and following the established weekly program.

To deactivated it, the radiator must be first on the AUTO setting, therefore, press the button until you see "AUTO" on the top left corner of the display.

Now press and hold ⊜, 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the UP or DOWN buttons until **9** is on the right-hand corner (YES will be displayed), press OK and use the UP or DOWN to set it to "no" and press OK to confirm.

To exit the temperature menu please press ⊜ .

10. CONSUMPTION INDICATOR "ConS"

This function allows you to know your electricity consumption in the last 24 hours, the last 7 days, the last 30 days or since you bought by pressing successively the **OK** button.

To access it, the radiator must be first on the AUTO setting, therefore, press the button until you see "AUTO" on the top left corner of the display.

Now press and hold ⊜, 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the UP or DOWN buttons until **10** is on the right-hand corner (ConS will be displayed), press OK and use the UP or DOWN to select between 1d, 7d or 30d and press OK to confirm.

To exit the temperature menu please press ⊜ .

11. ADVANCED FUNCTIONS

To access them, the radiator must be first on the AUTO setting, therefore, press the button until you see "AUTO" on the top left corner of the display.

Now press and hold ⊜, 4 horizontal lines will appear, and number 1 will be displayed on the right-hand corner. Use the UP or DOWN buttons until **End** is on the display, press and hold ⊜ 4 horizontal lines will appear (you will see a small hand, ºC and a number 1 on the right-hand corner), use the UP or DOWN to select between the different functions:

- Parameter 1 – This setting allows to change from degrees Celsius (C) to degrees Fahrenheit (F).
- Parameter 2 – This allows you to activate or deactivate the "Pilot wire" function. The function is deactivated by default. This function is only available in France
- Parameter 3 – Information on the version of the device's firmware.
- Parameter 4 – This setting allows you to correctly set the output power of your unit. You first press OK and then use the UP/DOWN arrows to select the output power and press OK to confirm.
- Parameter 5 - This allows you Reset your unit to factory settings. You first press OK (you will see "FAct" on the display and then just press and hold the OK button to reset it. The unit will return to manual mode with the factory pre-set temperature (20 ºC).
- Parameter 6 – End this allows you to exit the Advanced functions.