

# RCWave+

## Instructions & installation manual



**PAIR YOUR RADIATOR WITH  
YOUR MOBILE DEVICES**



**HAVERLAND BT**



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## 1. CAUTION

- **Please read these instructions carefully.**
- To disconnect mains power from the radiator remove the plug from the wall socket, but **never pull on the cable.**
- Do not leave the mains cable in contact with the radiator when it is switched on.
- During operation, the radiator must be kept well away from combustible materials, such as curtains, carpets and furniture etc.
- **The warranty for the radiator does not cover any damage caused by not reading these instructions.**



**WARNING:** In order to avoid overheating, do not cover the heater.



• **WARNING:** If the mains power cable is damaged, it must be replaced by the manufacturer, with their after-sales service or similar qualified persons, in order to prevent any danger.



• **WARNING:** If the heater is to be installed in a bathroom, it must be positioned so that it cannot be touched by anybody in the bath or shower.



• **The installation should be carried out with consideration to the manufacturer's instructions and in accordance to the relevant National Wiring Regulations BS7671.**

• It is very important that radiator has a good Electric Earth connection.

• The radiator shall be installed so that its mains plug is always accessible.

• The radiator must not be installed below or in front of a mains socket.

• **This radiator cannot be surface-mounted with a wall. Safety distances shall always be respected.**

## 1. CAUTION

- **The radiator has a keyboard blockage option to prevent children from changing the programming.**

- This unit is not designed to be handled by persons (including children) with physical, sensorial or mental handicaps, with little experience or knowledge unless they are under the supervision of an adult responsible for their safety with the instructions on its use. Children shall always be supervised to ensure they do not play with the unit.

- Children under three shall be kept well away from the heater unless they are continually supervised.

- Children between three and eight shall only switch the unit off or on providing it is positioned or installed in its final operating location and be supervised or have received instructions on how to use the unit in a safe manner and understand the risks involved.

- Children between three and eight shall not plug in, adjust or clean the heater or carry out any maintenance operations.

- This unit may be used by children older than eight and by persons with physical, sensorial or mental handicaps, with little experience or knowledge, provided they have been duly trained and are supervised by an adult that understands the risks involved.

- Cleaning and maintenance shall be performed by adults not children. Children must not play with the unit.



- **WARNING: Certain parts of this product can become very hot and cause burns.** Special attention shall be paid when children and other vulnerable persons are present.

- Do not touch the external parts of the radiator when it is operating.

- It is quite normal that, with the first switch-on, the unit produces a “new” smell. Allow your heater to operate in a well-ventilated place for two or three hours.

## 2. INSTRUCTIONS FOR INSTALLATION

• Before the first switch on for the coming winter or when the heater has not been used for several days, the unit should be cleaned (follow the steps given in the “maintenance section”). This cleaning operation will avoid burning the accumulated dust and other remains.



• This radiator **CAN'T OPERATE** with external programmable controllers or any other exterior control device.

• **CAUTION:** Keep bags and other accessories well out of the reach of children.

• The convection effect, together with other ambient factors, can cause discolouring to metal surfaces and to plastics.

• Temperature differences can cause crackling and other noises in the unit. This does not indicate any failure in the radiator.

• When the radiator is disposed of, the requirements established by current legislation on waste processing and recycling shall be taken into account.



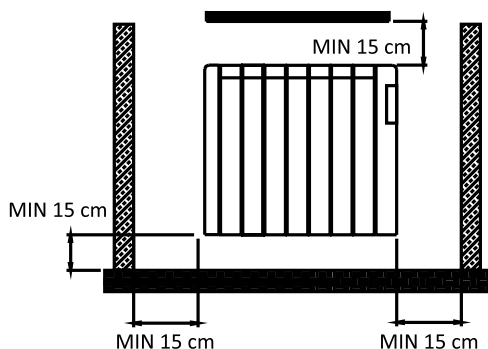
### IMPORTANT

• It is important that the radiator **IS FIXED FIRMLY TO A SOLID AND LEVELLED WALL.**

• Make sure that there is a socket near the area where you are going to place it.

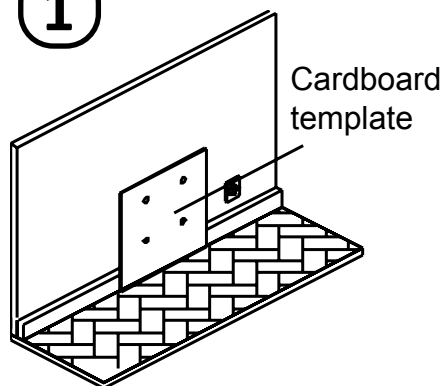
• Take out the wall pattern from the box to see the exact positions of the necessary drill holes.

• You must keep a minimum distance of 15 cm between the radiator and any object, wall or combustible material.



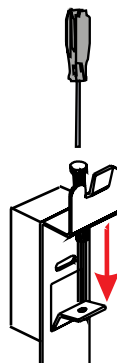
## 2. INSTRUCTIONS FOR INSTALLATION

1

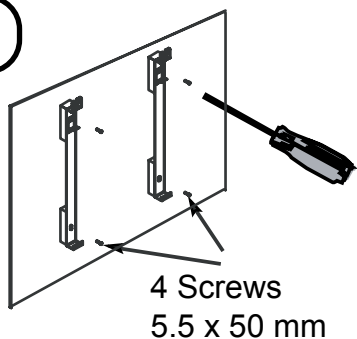


2

Place the screw  
but don't  
screw it fully.  
(M. 6 x 40 mm)

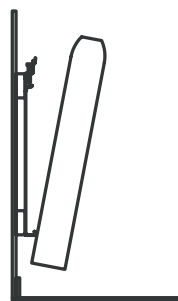


3

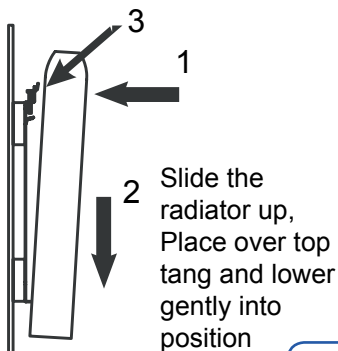


4

Place  
the radiator



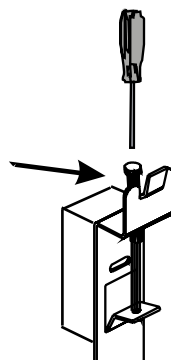
5



6



**IMPORTANT:**  
Screw down  
**FULLY** to lock  
the radiator

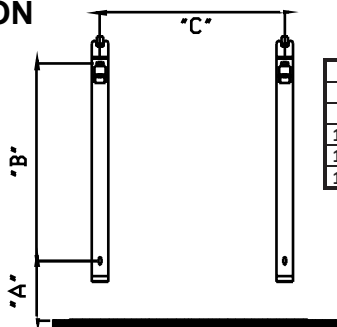


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## 3. OPERATION

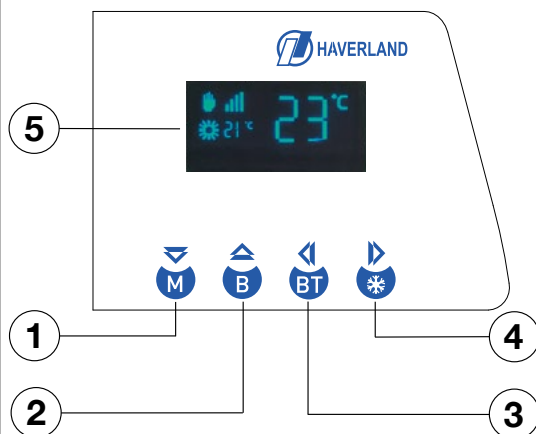


### INFORMATION



(W)	"A" (mm)	"B" (mm)	"C" (mm)
450	380	246	102,5
800	380	246	308
1100	380	246	514
1400	380	246	514
1700	380	246	719

### 3.1 CONTROLS

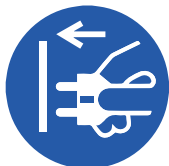


1. Decrease / Manual or Automatic button
2. Increase button / "Boost" function
3. Previous item / Synchronization with "Haverland BT" App
4. Next item / Setting / Anti-frost
5. Screen

## 3. OPERATION

### 3.2 LET'S START!

1



2

Press the ON /OFF switch located on the right-hand side.



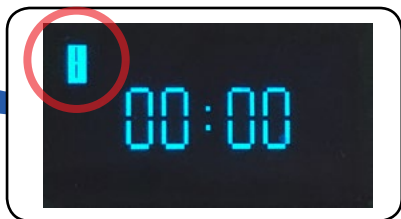
#### NOTA 1



Software  
version

HAVERLAND  
00 10B

### 3.3 SET UP DAY AND TIME



DAY OF THE WEEK

3

Select day of the week by



or



1 = MONDAY, .....

4



PRESS

A

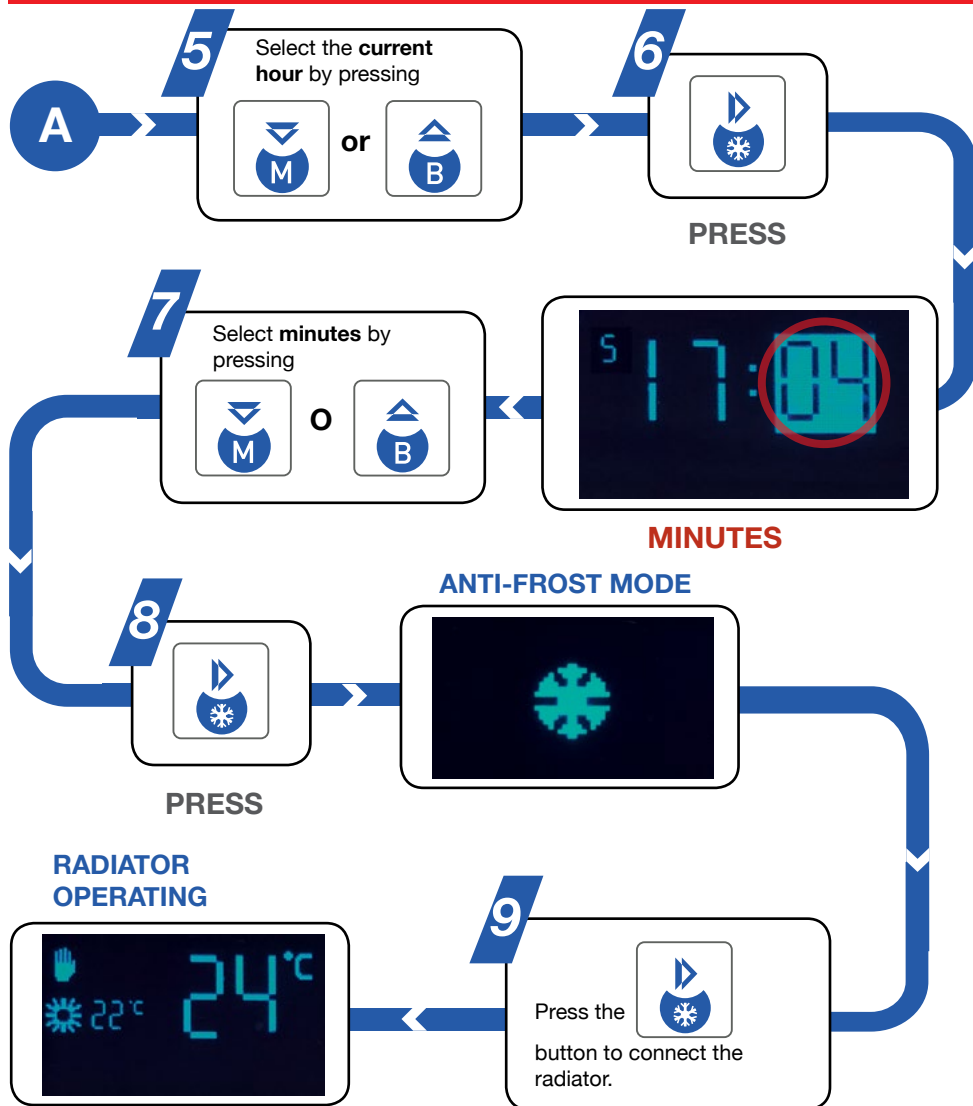


HOUR

CONTENTS



### 3. OPERATION



When you program with our **"Haverland BT" App**, the current clock and day will be automatically updated.

**CONTENTS**

## 3. OPERATION

### 3.4 “HAVERLAND BT” APP

Haverland has developed a simple and functional App so that you can make a weekly program, day by day, hour by hour, **with no need to have to program anything directly into your radiator.**

Download “**Haverland BT**” the application on your smartphone and / or tablet from the AppleStore (iOS) or Google Play (Android).



#### NOTE 2



Make sure you download the correct App as indicated.

1



**HAVERLAND BT**

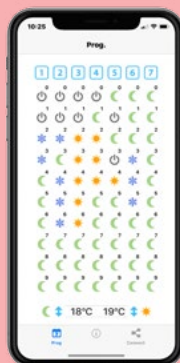
2

**Start Screen**



3

**Programming Screen**



4

**Choose comfort and economy temperatures.**



5

**By pressing successively on the icons, choose the operating mode required for each hour and day.**



**CONTENTS**

### 3. OPERATION

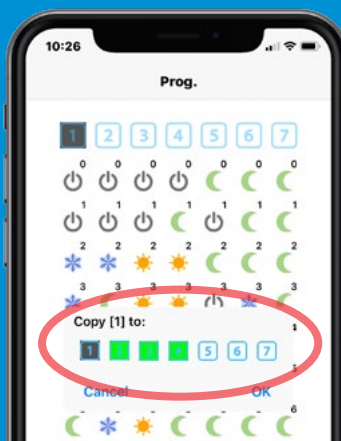
#### NOTE 3



To facilitate programming, you can copy the program made one day to the next days that you want.

Press on the day to be copied (for example, Monday “1”).

Press on the days to be copied (for example, Tuesday, Wednesday and Thursday).

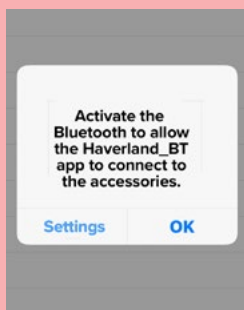


6

Press on the “Connect” button to reach the “Connection” screen.



7



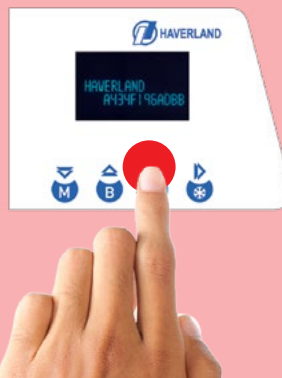
Activate your BT connection.

8

Press the



button to activate the connection.



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### 3. OPERATION

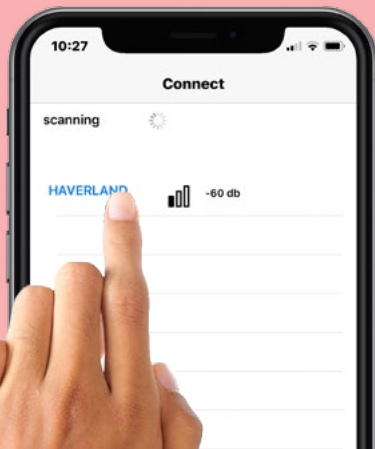
9

Press



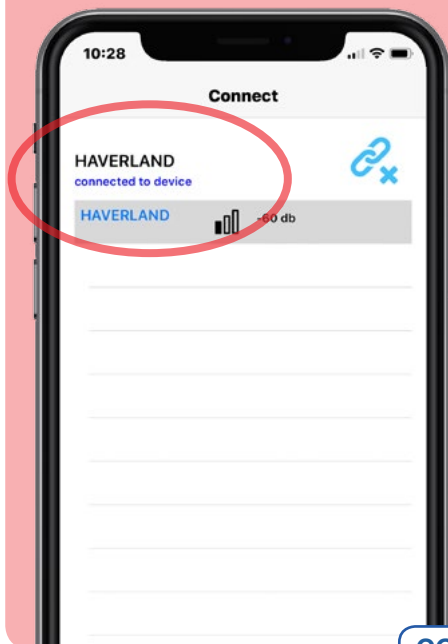
10

Then, the radiator will be displayed on your smartphone. Press on "HAVERLAND" the radiator will be selected (grey background).



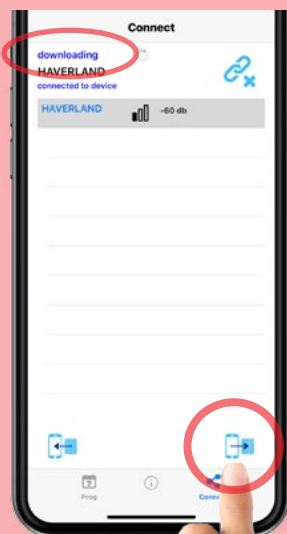
11

The radiator is linked with your smartphone or tablet.



12

To finish, "send" the configured program to your radiator by pressing:



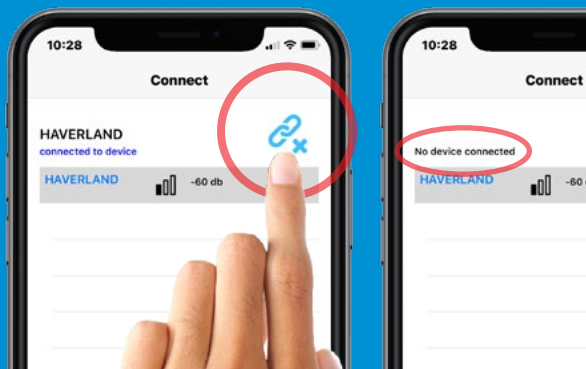
CONTENTS

### 3. OPERATION

#### NOTE 4



To disconnect the radiator from your smartphone or tablet and to set other radiator, press:




#### NOTE 5



Once the program has been sent to the device, **the radiator will switch to automatic mode**, whatever the current mode of operation is, including the “anti-frost” mode.



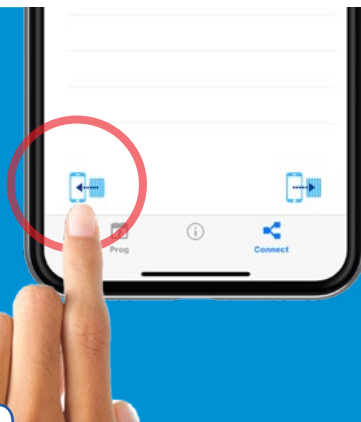
The symbols  indicate that the radiator is in **AUTOMATIC mode** and is connected to your smartphone.



#### NOTE 6



If you do not remember the program that is set on your radiator, you can “recover it” and look it up in the PROGRAMMING screen, by pressing:



### 3. OPERATION

#### NOTE 7

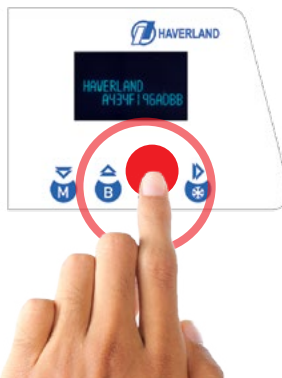
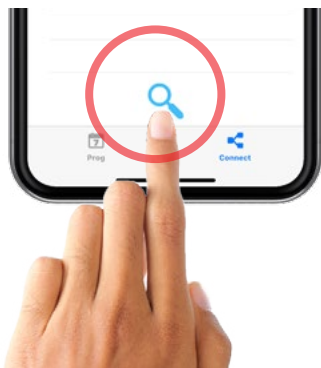


Remember that to link your mobile device with your radiator you must:

Press

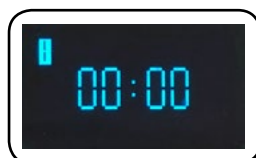


and then press the button.



#### 3.5 DISCONNECTING THE MAINS SUPPLY / SUPPLY CUT OFF

If the radiator is kept disconnected from the mains (for instance, the radiator switch is disconnected) or if there is a mains supply cut off for **more than 2 hours, YOU MUST UPDATE THE CLOCK AND THE DAY OF THE WEEK.**



The rest of the programmed parameters (temperatures and programming) are kept in memory.

There are two ways to update the clock and the day of the week:

##### ● Via “Haverland BT” App (recommended):

If you have downloaded the “Haverland BT” App, link your mobile device to your radiator (follow the

previous point 3.4) and click on the App



The clock and day will be updated via the internet.

##### ● On the radiator:

Follow point 3.3 of the manual “SET UP DAY AND TIME”.



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## 3. OPERATION

### 3.6 CHOOSE THE OPERATING MODE

Choose the operating mode, **AUTOMATIC** or **MANUAL**, by pressing successively the



button.



#### AUTOMATIC MODE



#### MANUAL MODE



### NOTE 8



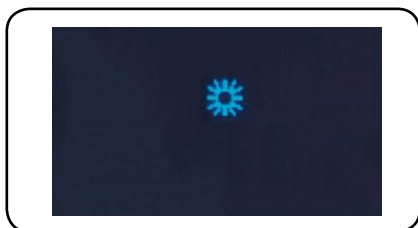
The symbol  indicates the radiator is **HEATING UP** (the resistance is working).



### IMPORTANT:



After **20 seconds approx.** only the “operating mode” symbol appears minimized on the screen and it will move randomly across the screen.



## 3. OPERATION

### 3.7 MANUAL MODE

In manual mode, the radiator works like a room thermostat.

Choose the operating mode **MANUAL**, by pressing **successively** the “hand” symbol appears on the screen.



button until

MANUAL MODE



Choose the operating mode, **COMFORT**, **ECONOMY** or **ANTI-FROST**, by pressing successively the



button.

COMFORT MANUAL  
MODE



ECONOMY MANUAL  
MODE



ANTI-FROST  
MANUAL MODE



### 3.8 TO MODIFY ECONOMY AND COMFORT TEMPERATURES

To **change comfort and economy temperatures**, it can be done in three ways:

#### 1. First option:

● Via “Haverland BT” App (we recommend this option):

Follow the steps indicated in the point “3.4 APP” HAVERLAND BT “.



## 3. OPERATION

### 2. Second option:

#### ● On the radiator:

Follow the following steps:

To change mode temperatures, hold down  on the manual or automatic screen.

Use  and  to adjust the **Economy Temperature**. Press  to confirm.


Use  and  to adjust the **Comfort Temperature**. Press  to confirm.

### 3. Third option:

#### ● On the radiator:

Follow the following steps:


1

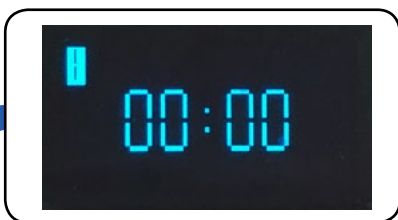
Press successively the  button until choosing **MANUAL mode** on your radiator.

#### MANUAL MODE




2

Press the  button **for a few seconds** until the clock appears on the screen.



3

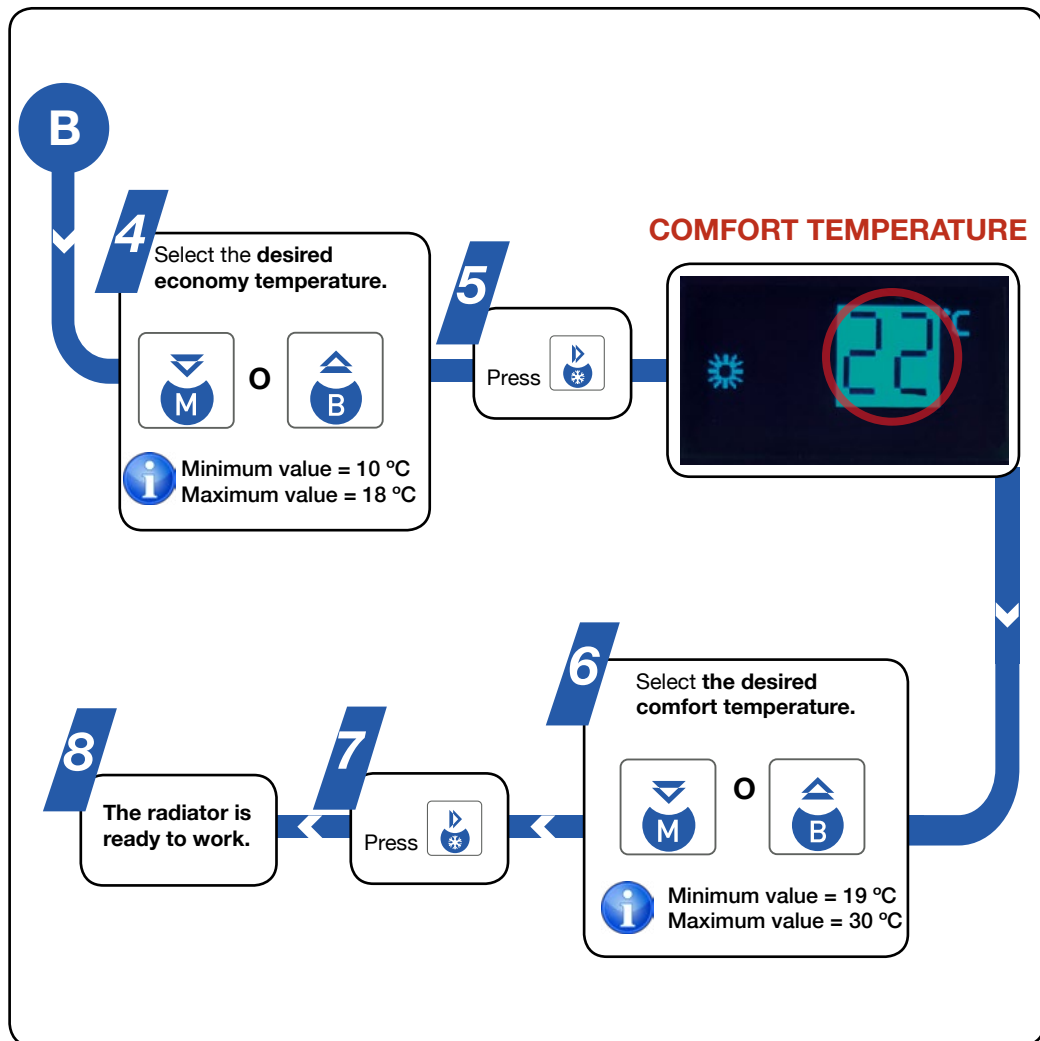
Set the clock and the current day following the steps of **point 3.3 "Setup day and time"**. Once the minutes are set, press the  button to start modifying the economy temperature.

#### ECONOMY TEMPERATURE



B

### 3. OPERATION



#### NOTE 9



Remember that the **economy mode** is the temperature that you should set **when you are not in the room or during the night**, and the **comfort mode** is the temperature that you **want to have in the room when you are in it**.

## 3. OPERATION

### 3.9 ANTI-FROST MODE

Thanks to this “**anti-frost**” mode you can avoid extreme temperatures in your home, by keeping the ambient temperature above **7°C**.

To **activate the anti-freeze mode**, press the



button.

#### ANTI-FROST MODE



#### NOTE 10



The “antifrost” symbol will move randomly across the screen.

#### NOTE 11



By pressing the



button the radiator will reconnect to the “**MANUAL**”

#### NOTE 12



The anti-frost temperature (7°C) is **NOT** modifiable.

### 3.10 “BOOST” FUNCTION - 2 HOUR FUNCTION

This function puts the device into operation **at maximum power for two hours**, regardless of the operating mode that is selected. This function has priority over any other.

To activate this function, press hold down



the

button for 2 seconds; “**B**” will appear on screen.



You can **disable the “Boost” function within 2 hours**, by pressing the





buttons.



or

## 3. OPERATION

### 3.11 KEYBOARD BLOCKING

Press simultaneously the  and  buttons **for 2 seconds** until the **“LOCK” symbol** appears on the screen .

You must perform the same operation to unlock the device.



#### NOTE 13



**“LOCK” symbol** appears on the screen, if the keyboard is locked.

### 3.12 “OPEN WINDOW” FUNCTION

This function is activated when there is a sudden drop in the temperature in the room.

#### NOTE 14



When this function is activated, the **“WINDOW” symbol** appears on the screen. The radiator will be switched off avoiding unnecessary energy consumption.



When closing the window, the radiator will detect a temperature rise and this function will be deactivated.

The radiator will switch on again, returning to the state before the disconnection.

#### NOTE 15



This intelligent function is factory activated. It can be deactivated by the user; see **PONT 3.14 “ADVANCED FUNCTIONS”**.

## 3. OPERATION

### 3.13 ITCS INTELLIGENT FUNCTION

The radiator incorporates an **innovative ITCS smart temperature control system**.

This system activates the **start-up of the device in advance of the scheduled time** (2 hours maximum), ensuring that the desired temperature is achieved at the specified time and following the weekly schedule set.

#### NOTE 16



This intelligent function is factory activated. It can be deactivated by the user; see **POINT 3.14 “Advanced functions”**.

### 3.14 ADVANCED FUNCTIONS

The “open window” and the ITCS smart functions can be activated or deactivated. To access this “advanced” menu, follow these steps:

**1** Put the radiator on **“anti-frost” mode**, by pressing the

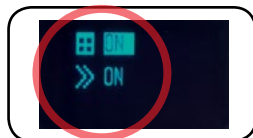


**2** Press **for a few seconds** the



button to activate

“advanced functions”.



**3** With the



button choose **ON or OFF** to activate or deactivate the saving function “open window”.

**4** Press the



button to switch to the ITCS smart function. With the



button choose to activate or deactivate that function.

**5** End by pressing the



button.

**6** Start up the radiator by pressing the



button again.

## 3. OPERATION

### 3.15 SETTING A WEEKLY PROGRAM ON THE RADIATOR

Although we recommend you program your radiator directly through the **“Haverland BT” application** (see point 3.5 APP **“HAVERLAND BT”**), if you wish, you can set up a weekly schedule, hour by hour, day by day, directly on your radiator.

#### AUTOMATIC MODE

1

Press successively the

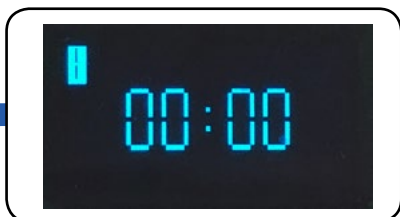


button until choosing **AUTOMATIC mode** on your radiator.




2

Press the  button **FOR A FEW SECONDS** until the clock appears on the screen.



3

Set the clock and the current day following the steps of point 3.3 “Set day and time”. Once the minutes are set, press the  key to start the programming for Monday.





4

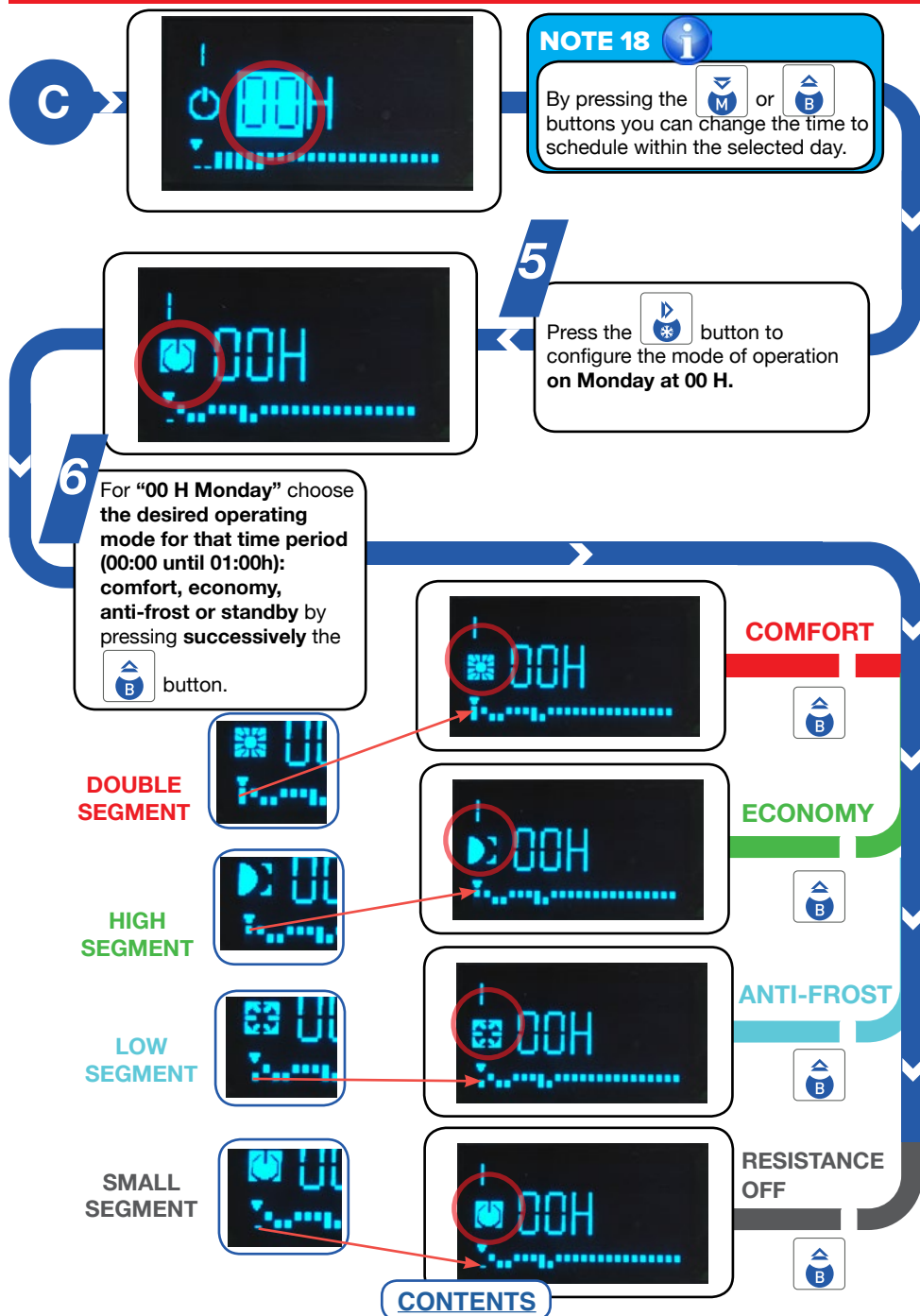
Press the  button to switch to the hours.

#### NOTE 17




By pressing  or  buttons you can change the day to the schedule.

### 3. OPERATION



## 4. OTHER

7

To confirm the desired operating mode press the  button.

Repeat the previous step for each hour and for each day of the week.

8

Once completing the whole week, do not press any button; the main screen will automatically be displayed. Your radiator is programmed.

### NOTE 19



Once programmed, make sure the radiator is set to automatic mode.

## 4. MAINTENANCE

Your device does not require any type of special maintenance.

You need only clean any dust that may accumulate with a dry and soft cloth.

We advise that you clean any accumulated dust from the radiator surface at the beginning of the winter season.



**NEVER USE SOLVENTS OR ABRASIVE PRODUCTS.**



## GUARANTEE

MARSAN INDUSTRIAL, S.A. guarantees that the devices comply with the contracted specifications.

This warranty only covers the model of heater showed on the valid invoice.

Such rectifications will be guaranteed against any manufacturing and operating defect for the normal and domestic use of this product, for a period of 24 months as from the purchase date shown on the invoice.

HAVERLAND guarantees against material, design or manufacturing faults at the moment of its original acquisition for 2 years. The electronic component and paintwork / finish for 3 years (exclude accidental damage, transport, and misuse).

This warranty only covers the device whose model appears on the purchase invoice.

This warranty DOES NOT COVER incorrect installation, maintenance, cleaning or conserving the device, and neither does it cover failures and faults due to force majeure, chemical agents or atmospheric phenomena, incorrect use of the device, the purchaser's faulty electrical installations, transporting the device or problems caused by the device being handled by persons not authorised by MARSAN INDUSTRIAL, S.A.

This warranty must not be modified, altered or extended, and the Manufacturer does not authorise anybody to act on his behalf to modify, alter or extend it.

This warranty applies only to the Product.

To repair the device, the consumer must dial the Technical Assistance Service at 0330 3651940 or send an email to [haverland@haverland.co.uk](mailto:haverland@haverland.co.uk) and ask for the information needed about the procedure to follow:

For a replacement, cancellation or price reduction, when in order, the consumer must go the establishment where the device was purchased. This warranty does not affect the consumers' rights as established in the provisions contained In Ley 23/2003, the Consumer Goods Sales Guarantee Act.



**Customer Service Telephone:**  
**0330 300 4444**

Haverland UK Limited  
Challengue House  
Sherwood Drive  
Bletchley MK3 6DP


Marsan Industrial, S.A. reserves the right to modify without previous warning

**Made in Spain**

**CONTENTS**

Models	RC3W+	RC5W+	RC7W+	RC9W+	RC11W+
<b>Heat output</b>					
Nominal heat output (kW)	0.45	0.8	1.1	1.4	1.7
Maximum continuous heat output (kW)	0.45	0.8	1.1	1.4	1.7
<b>Auxiliary electricity consumption</b>					
At nominal heat output (kW)	0.45	0.8	1.1	1.4	1.7
At minimum heat output (kW)	0.45	0.8	1.1	1.4	1.7
In standby mode (kW)	NA	NA	NA	NA	NA
<b>Type of heat room temperature control</b>	Electronic room temperature control plus week timer				
<b>Other control options</b>	- Room temperature control, with open window detection - With adaptive start control				
<b>Manufacturer</b>	<b>Marsan Industrial, S.A.</b>				
<b>Address</b>	<b>Avda. San Martín de Valdeiglesias, Km 2.2 28925 Alcorcón (Madrid) Spain</b>				

RCW+

	W	Nº 
RC3W+	450	3
RC5W+	800	5
RC7W+	1100	7
RC9W+	1400	9
RC11W+	1700	11

230 V 50 Hz
CLASS I
IP 20