

# Galant Boost/Galant Plan Boost

## Installation Guide



**ATTENTION:** The connection of this radiator to a central heating system should be carried out by a suitably competent person who is familiar with current regulations.

### READ THIS GUIDE BEFORE STARTING INSTALLATION



#### Attention

The device must not be covered. This particularly applies to the ventilation openings on and under the radiator.



#### Danger

Danger of scalding when venting due to hot water spraying out! Face and hands must be protected.



#### Danger

Danger of burns! The surface of the radiator can reach temperatures of up to 55°C.



#### Danger

The weight of the radiator must be taken into account. If necessary, a lifting device must be used or several people must lift the radiator.

<b>1.</b>	<b>General</b>	<b>2</b>
1.1	Permitted use	2
1.2	Prohibited use	2
1.3	Safety instructions	2
1.4	Fan unit	2
1.5	Maintenance	2
1.6	Cleaning	2
1.7	Assembly, repairs and dismantling	2
1.8	Disposal	2
<b>2.</b>	<b>Assembly</b>	<b>3</b>
2.1	Operating conditions	3
2.2	Technical features	3
2.3	Fastening	3
2.4	Connection of the radiator to the heating system	4
2.5	Connecting the fan unit to the plug-in power supply	4
2.6	Connecting the power supply to the wall socket	5
<b>3.</b>	<b>Operation</b>	<b>6</b>
3.1	Basic setting	6
3.2	Start function	6
3.3	Manual change of fan levels	6
3.4	Error display	6
3.5	Troubleshooting	6
3.6	Schematic circuit diagram	7
<b>4.</b>	<b>Warranty conditions</b>	<b>8</b>
<b>5.</b>	<b>Parts list (fan unit)</b>	<b>9</b>

## 1. General

### 1.1 Permitted use

The radiator is intended exclusively for heating indoor spaces. Any other type of use is not intended and therefore not permitted.

### 1.2 Prohibited use

The radiator is not a seat and is not suitable as a storage area.

### 1.3 Safety instructions

Before assembly / commissioning, these assembly and operating instructions must be read carefully.

After assembly, these assembly and operating instructions are available to the end user to hand over.

This device can be used by children aged 8 years and above and by people with reduced physical, sensory or mental capabilities or a lack of experience and knowledge, if they have been supervised or instructed in the safe use of the device and understand the resulting dangers. Children are not allowed to play with the device. Cleaning and maintenance must not be carried out by children without supervision.

If it is necessary to remove the fan unit for repairs or other reasons, the plug-in power supply must first be disconnected from the mains supply.

### 1.4 Fan unit

The fan unit can be switched off by unplugging the power supply. If the power supply is damaged, it must be replaced.

### 1.5 Maintenance

The radiator must be vented before commissioning and after long breaks in use. To do this, use a standard bleed key.

### 1.6 Cleaning

Only use mild, non-abrasive cleaning agents to clean the steel radiator.

The cleaning cloth may only be used when moistened in order to avoid possible damage to the fan unit caused by water.

A standard radiator brush should not be used.

To clean the fan unit, use a standard household vacuum cleaner with, for example a brush nozzle. The fan unit does not need to be dismantled for this purpose, but the plug-in power supply unit must be disconnected from the power supply during cleaning.

We recommend regular cleaning of the fan unit every 6 months.



Cleaning the fan

### 1.7 Assembly, repairs and dismantling

To ensure that your warranty claims are met, only have assembly, repairs and disassembly carried out by qualified tradespeople. The plug-in power supply must always be separated from the mains supply. Appropriate protective gloves and safety shoes must be worn.

The radiator may only be operated with the plug-in power supply supplied (see parts list). No power supplies from other manufacturers are permitted.

In general, in the event of an exchange, only original components according to the listed parts list should be used.

### 1.8 Disposal

Disused radiators and accessories must be disposed of properly. For this purpose, the electrical components usually have to be separated from the basic radiator. Please note the local regulations.

## 2. Assembly

### 2.1 Operating conditions

The water quality in accordance with VDI 2035 "Avoiding damage in hot water heating systems" must be adhered to.

The radiator can only be used in closed heating systems.

The radiator must be stored and transported in protective packaging.

The minimum distances between the radiator and surrounding parts must be observed.

The radiator is not suitable for use in damp rooms.

### 2.2 Technical features

**Operating pressure:** max. 6 bar (0.6 MPa)

**Flow temperature:** 35 °C – 55 °C

**Voltage:** 100 – 240V

**Frequency:** 50 – 60Hz

**Power consumption:** max. 36 W

**Protection class:** IP20

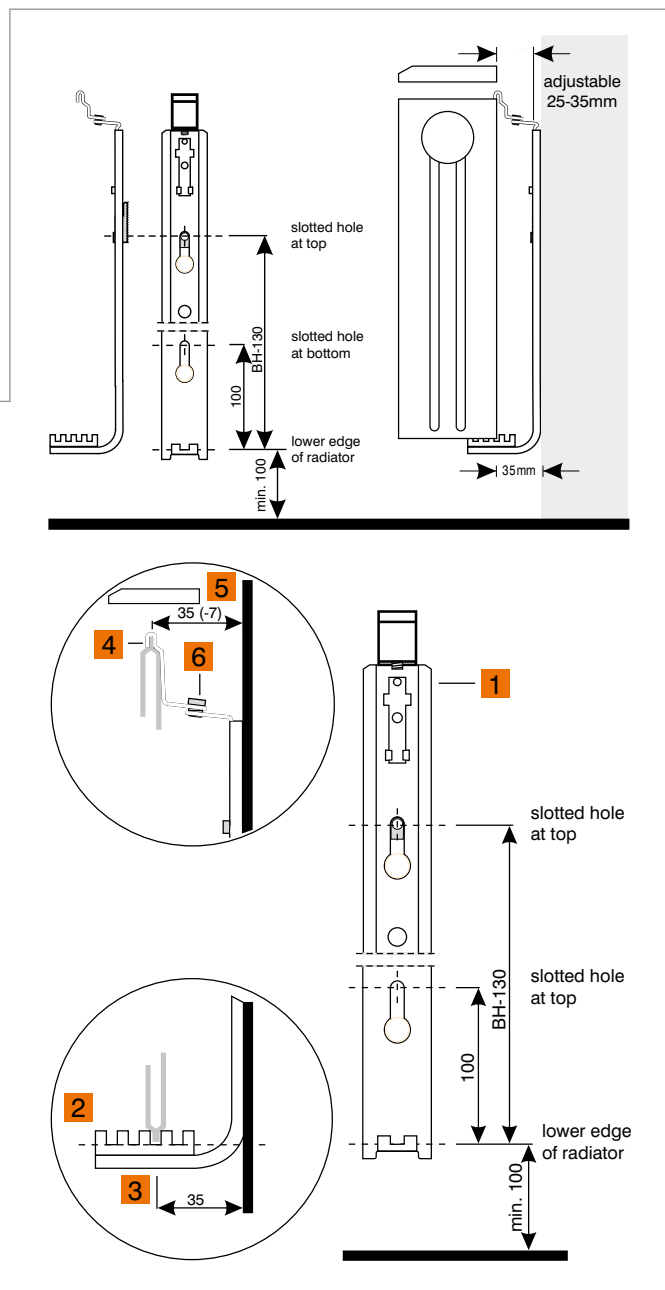
### 2.3 Fastening

**Attention:** Appropriate protective clothing must be worn. Plastic and electrical components must not be subjected to mechanical stress during assembly! Before installation, the location of supply lines (electricity, gas, water) must be checked.

The radiator may only be hung using the spring-loaded bracket described here.

### Instructions for wall mounting with spring-type brackets

- 1** Fix the spring-type brackets to the wall so that they are vertically aligned, and then align them horizontally with the slotted holes.
- 2** Place the radiator (without the top cover) on the supporting plastic louvres.
- 3** We recommend using the second louvre from the wall, which results in a wall clearance at the bottom of 35mm (the wall clearance at the top is set in the factory to correspond to this).
- 4** Ensure that the top hook snaps into place so that it clamps over the entire top edge of the radiator and holds the radiator securely against the wall through the spring balancer.
- 5** Put the top cover onto the radiator.
- 6** Next, compensate for any unevenness in the wall by altering the top hook adjusting device.
- 7** Cleaning instructions  
The stylish top grille with welded-on retaining clips, can be easily removed for cleaning (without using tools).
- 8** Lift lock (optional)  
The lift lock prevents the top cover from being accidentally lifted off. It is ideal for use in schools, public buildings and in children's rooms.



### 2.4 Connection of the radiator to the heating system

Remove the plastic caps from all 6 connections.

Connect the radiator using one of the connection patterns detailed below. Fit one air vent (supplied) at the top and brass 1/2" plugs (supplied) in the connections not used.

**Note:** Be careful of residues on all connections after removing the plastic plugs. If necessary, remove residues.

The Galant Boost is reversible, so it can be fitted left or right handed when using the underside connection.

If the underside connection is being utilised with the Galant Plan Boost, the handing must be specified.

### 2.5 Connecting the fan unit to the plug-in power supply

The top grille of the radiator must be removed and the box with the plug-in power supply and clip button removed.



Box with power supply & clip button

**Note:** UK plug supplied

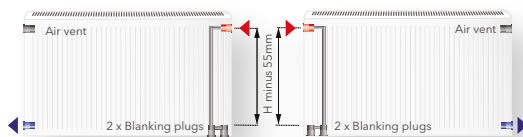
#### Bottom bottom opposite ends (BBOE)

Flow and return at the bottom, on the left or right side



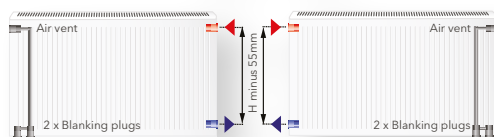
#### Top bottom opposite ends (TBOE)

Flow and return diagonal, on the right or left side



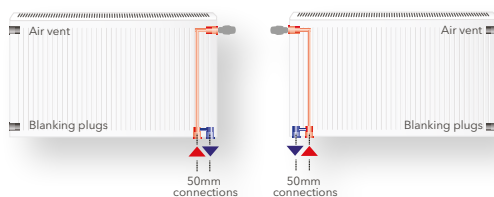
#### Top bottom same end (TBSE)

Flow and return on the same side, on the right or left side



#### Underside connection

Flow and return from below, on the right or left side



### Mounting the plug on the power supply

The plug is delivered loose with the power supply and must be mounted on the power supply before commissioning.



# Galant Boost

## Installation Guide



### Mounting the clip button

The clip button must be removed from the box and mounted on the cover of the control unit. Simply insert it into the two openings and click it into place by gently pressing it.

The clip button clicks into place on the housing cover by applying light pressure with two fingers.



### Connecting the power supply to the radiator

The hollow socket plug must be inserted into the hollow socket on the underside of the radiator and secured against being pulled out by screwing.



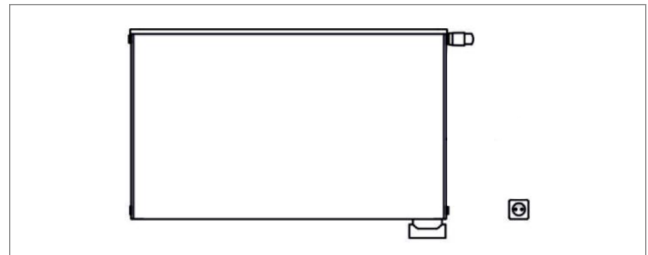
### 2.6 Connecting the power supply to the wall socket

Before the radiator is connected to the power supply, the installation to the heating network (water) must be completed and checked for possible leaks, so that it can be safely ruled out that water gets onto live components during the installation.

The plug-in power supply must be accessible at all times to enable disconnection from the mains.

The wall socket should be positioned adjacent to the radiator, not underneath.

Note: If the temperature of the radiator permanently rises above 26°C in the summer and the power supply is plugged in, the fan unit may start. To avoid this, we recommend disconnecting the power supply from the power supply outside the heating period.



### 3. Operation

#### 3.1 Basic setting

You can choose between 2 basic settings.



Operation via control buttons

#### Basic setting 1 (as delivered):



As soon as the thermostatic head is opened and the internal sensor detects a water temperature above 27°C, the boost mode switches on and the fans run at the highest level. After 15 minutes, the system switches back to comfort mode and the fans run at a low level until the internal temperature drops below 27°C.

**Note:** As soon as a temperature greater than 50°C is detected on the radiator, the boost mode is not activated.

#### Basic setting 2 (without boost mode):

As soon as the thermostatic head is opened and the internal sensor detects a water temperature above 27°C, the comfort mode switches on at a low level until the internal temperature drops below 27°C.

You can switch between the two basic settings by briefly pressing the control button (you will now see the current status of the system) and then pressing the control button for longer than 5 seconds. The change in the basic setting is indicated by the LED flashing three times. The color indicates the selected basic setting.

Basic setting	LED colour
1 (Boost)	Violet 
2 (without Boost)	Orange 




#### 3.2 Start function

When the power supply is switched on, the control starts automatic operation of boost mode (basic setting 1) or comfort mode (basic setting 2). If the internal temperature falls below 27°C after 2 minutes, the fans are switched off. If the internal temperature is above 27°C, automatic operation resumes.

In summary, the control system works completely automatically and there is no user intervention required.


#### 3.3 Manual change of fan levels

By briefly pressing the control button, the LED switches on and shows the current status of the system. A second short press (< 5 seconds) of the control button changes the fan levels. This is displayed via the LED color for 10 seconds. The levels are switched through as follows: Off > Boost > Comfort > Off >... By changing manually, the selected state remains in effect for at least 15 minutes, then the system switches back to the automatic process.

Fan level	LED colour
Off	Blue 
Boost mode	Red 
Comfort mode	Yellow 

#### 3.4 Error display

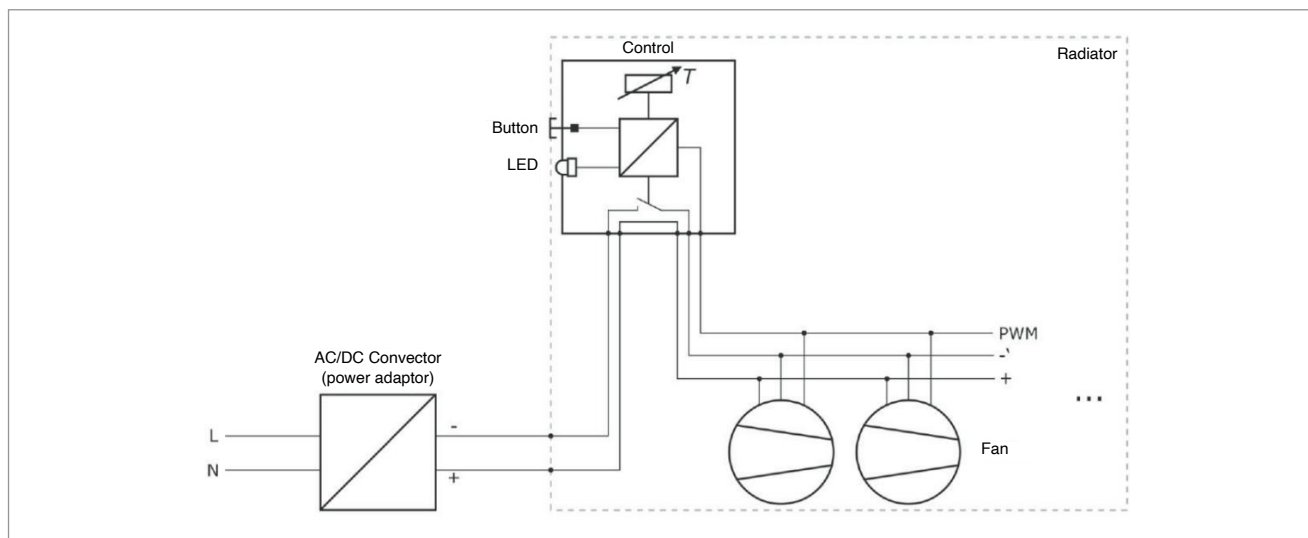
If an error is detected, the LED flashes permanently in red and the system permanently switches to comfort mode. Automatic operation is then suspended and operation is only possible manually using the control button.

Control error	LED colour
Available	Red 

#### 3.5 Troubleshooting

Error	Cause	Solution
Fan unit does not go into boost mode	Basic setting 2 (without Boost) selected	Select Basic Setting 1 (Boost)
Fan unit not working / no LED function	Power supply not connected	Connect the power supply to the wall socket
Fan unit not working / LED functioning	There is no sufficiently warm water in the radiator	Make sure your heating system is providing sufficient warm water
Error control LED flashes red continuously	Defect in the control	Contact a qualified tradesperson or MHS Radiators

## 3.6 Schematic circuit diagram







## 4. Warranty conditions

The area of application of the MHS radiator includes closed and constantly filled hot water systems that are professionally installed in compliance with the VDI guidelines 2035 and in which the operating conditions of a maximum of 6 bar operating pressure and a maximum of 55°C operating temperature are maintained. We refer to the possible applications and application limits within this installation guide. It should be noted that MHS radiators must be transported carefully and protected from harmful influences on the construction site. They must be stored in dry, chemically and physically unpolluted rooms. If the warranty conditions are adhered to, MHS radiators provides a 10 year warranty for the water tightness and surface coating of the radiator and 2 years for electrical components. The warranty claim must be submitted in writing to MHS Radiators within the guarantee period. If the full warranty conditions are adhered to, MHS radiators will, at its own discretion, replace the appropriate parts or complete radiator.

Our liability in respect of any defect in or failure of the goods or for any loss injury or damage attributed thereto is limited to the cost of replacement of the goods or the repairing of such defects which under proper use have

appeared therein and arise solely from faulty design, materials or workmanship. Replacement goods are chargeable; credits will be applied where it is established that the warranty claim is valid.

Replacement parts will be delivered by us to the buyer. The warranty period for any new replacement parts is limited to twelve months from the date of dispatch.

Where faulty parts are returned to us as part of a warranty claim the original buyer must provide full details e.g. product details, and our original contract reference number along with the faulty part.












Faulty goods shall not form the subject of any claim for labour costs or other expenditure incurred by the buyer and we shall not be responsible for any loss or damage arising out of any such fault.

We specifically do not accept liability for financial or consequential losses, expenses or damage occasioned by defects in manufacturing or arising from any other cause.

The benefit of this warranty is given to the original buyer of the goods and is not assignable.



### 5. Parts list (fan unit)

Art.-No.		Art.-No.	
91-620003	 <p>Control unit</p>	91-620007	 <p>Fan bracket</p>
91-620004	 <p>Clip button for control unit</p>	91-620008	 <p>Starting bracket</p>
91-620005-500	 <p>Wiring for height 500mm</p>	91-620009	 <p>End bracket</p>
91-620005-600	 <p>Wiring for height 600mm</p>	91-620010	 <p>Screw for fastening hollow bushing</p>
91-620005-900	 <p>Wiring for height 900mm</p>	91-620012	 <p>Screw for fastening fan</p>
91-620006-36	 <p>Plug-in power supply 100-240 V 50-60Hz 36 Watts</p>	91-620013	 <p>Fan</p>