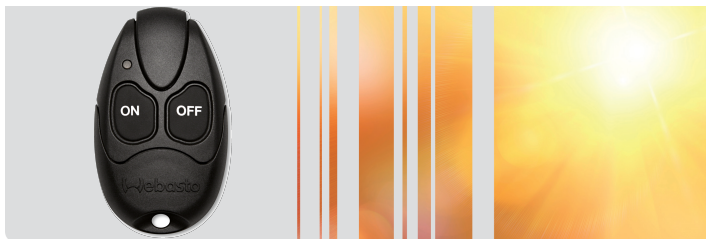


Telestart T91 868

Operating Instructions



1 About this document

1.1 Purpose of the document

These operating instructions are part of the product and provide the user with information on the safe operation of the TelearstartT91.

All the functions of the control element are explained in these operating instructions.



NOTE

Carefully read through and follow the heater operating instructions and the safety information contained therein.




NOTE






The actual availability of these functions depends on each installed heater.

1.2 Using this document

- Before operating the TelearstartT91, carefully read and follow these operating instructions as well as the operating instructions for the heater.
- Hand over the quick start guide(s) to the subsequent device owner or user.

1.3 Use of symbols and highlighting

Texts with the symbol  refer to separate documents which are enclosed or are available from Webasto at <https://dealers.webasto.com>.

- Texts with the symbol  refer to technical features.
- Texts with the symbol  or  refer to possible material damage, risk of accident or injury.
- Texts with the symbol  describe a requirement for the following necessary action.
- Texts with the symbol  describe an action.

2 Warranty and liability

Webasto shall not assume liability for defects or damage that are the result of the installation and operating instructions being disregarded. This liability exclusion particularly applies for:

- mechanical damage to the equipment
- Maintenance by untrained personnel
- failure to comply with inspection and service instructions
- repairs not carried out by a Webasto service workshop
- conversion of the unit without permission from Webasto

– improper use

3 General safety information



DANGER

Danger of explosion

In environments with combustible vapours, flammable dust and hazardous goods (e.g., petrol stations, tank facilities, fuel store, coal bunkers, timber yard or grain warehouses).

► Do not switch on or operate the heater.



DANGER

Danger of fire

Flammable materials or liquids in the hot air flow.

► Keep the hot air flow free.



DANGER

Risk of injury from the defective unit

Do not operate a defective TelestartT91 and put it out of service by removing the fuse:

- prolonged heavy smoke development.
- unusual burner noise.
- smell of fuel.
- permanent fault switch-offs with error messages (flash code).
- damaged heater.

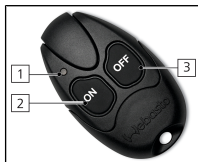
► Contact a Webasto service workshop.

4 Intended use

The control element TelestartT91 is currently approved for the following applications:

Switching Webasto air and water heaters on and off.

5 Overview



- 1 Operating indicator (LED)
- 2 Switch "ON" push button
- 3 Switch "OFF" push button

Button	Control
ON	Switching on heater or ventilation
OFF	Switching off heater or ventilation
ON+OFF	Change ON time, see "Switching on the heater on page 6" Change operating mode, see "Changing the heating or ventilation operating mode on page 7" Check battery, see "Battery on page 9"

6 Functional description



An optimum signal transmission is achieved in an open area or from elevated locations. This makes it possible to operate the parking heater at distance of approximately 1000 m from the vehicle.

When pressing the transmitter, hold it vertically upwards and do not cover the top (see figure).

If you determine, since there is no feedback, that the operating signal has not reached the vehicle, it frequently helps to change your location by a few meters. Reception in built-up areas is limited accordingly.



NOTE

When retrofitting heaters that are installed ex-works, the range of functions may be limited. Please consult your installation partner about this.

7 Setting up a vehicle heating system

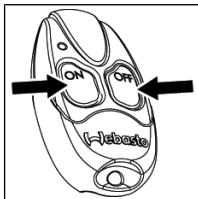


NOTE

Depending on the type of vehicle, the air-conditioning system can perform these settings automatically or partly autonomously. Ask your specialist dealer to explain the optimum settings.

1. Before switching on the heater (with the ignition on), set the vehicle heating system to "warm".
2. Set the vehicle fan to the lowest setting (lower power consumption).

8 Operating mode indicator



NOTE

The ventilation function is optional.

9 Operating time

The operating time of the heater or vehicle fan (ventilation) can be set on the transmitter in 10-minute increments. The operating time is set to 30 minutes at the factory.



- Briefly press the **ON** and **OFF** push buttons simultaneously three times consecutively.

The LED flashes according to the operating time. Count the number of flashing pulses. The corresponding operating time is specified in the table. Also count the first flashing pulse that appears immediately after the third time the **ON** and **OFF** push buttons are pressed.

Set operating time

- Briefly press the **ON** and **OFF** push buttons simultaneously three times consecutively.
The LED flashes according to the set operating time (see table).
- Press the **OFF** push button within 10 s after the operating time indicator lights up.
The indicator lamp flashes according to the next operating time.
- Press the **OFF** push button until the indicator lamp flashes according to the desired operating time.

**NOTE**

Save the setting: do not press any push button or the ON push button for 10 s.

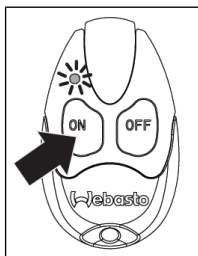
Flashing pulses (number)	Operating time (minutes)	Flashing pulses (number)	Operating time (minutes)
1	10	8	80
2	20	9	90
3	30	10	100
4	40	11	110
5	50	12	120
6	60	Lights for 10 s	Permanent mode
7	70		

**NOTE**

Reset to default settings.

- ▶ Press the **ON** and **OFF** push buttons simultaneously for at least 10 s. Ignore colour changes that occur in the LED. Factory setting: heating mode, operating time 30 minutes.

10 Switching on the heater

**NOTE**

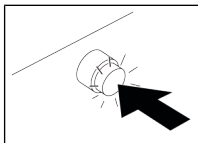
If the signal cannot be transmitted correctly, the LED flashes (approx. 4 s.) and then goes out.

- ▶ Repeat this procedure at a different location with better reception.

See also

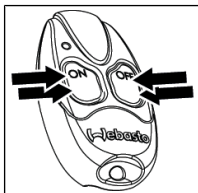
- 📖 Operating time [▶ 5]

10.1 Switching on and off with the push button



- ✓ The parking heater or parking ventilation mode is displayed on the push button.
- Press the push button (switch the heater or ventilation on or off).

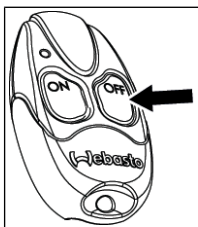
11 Changing the heating or ventilation operating mode



- Briefly press the ON and OFF push button 2x within 1 s.

The indicator lamp changes colour. During the next time when the hand-held transmitter is operated, the heater operates in the selected operating mode until the operating mode changes. See "Operating mode indicator on page 5".

12 Switching off the heater



- ✓ The indicator lamp flashes (the heater is operating).
- Press the OFF push button (approx 1 s) until the indicator lamp lights up. The indicator lamp then goes out. See also "Switching on the heater on page 6".



NOTE

If the signal cannot be transmitted correctly, the LED flashes (approx. 4 s.) and then goes out.

- Repeat this procedure at a different location with better reception.

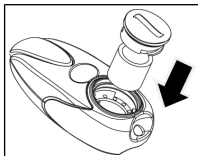
13 Pairing the hand-held transmitter

The hand-held transmitter TelestartT91 must be paired with the Telestart receiver in the vehicle.

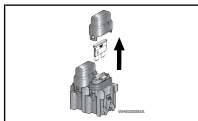
13.1 Determining the installation position of the fuse

Depending on the heater and its installation or application, the Telestart fuse is installed in the engine compartment or the vehicle interior.

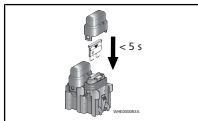
13.2 Teaching the unit



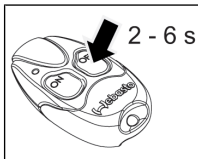
- ▶ Insert battery in the battery compartment of the hand-held transmitter.



- ▶ Determine the fuse installation position of the Telestart module (image serves as an example, in the heater's wiring harness).
- ▶ Pull the fuse of the Telestart module.



- ▶ Reset the fuse within 5 s.



- ▶ Press the OFF push button after 2 s (do not wait for longer than 6 s).
The hand-held transmitter has now been paired.

14 Battery



ATTENTION

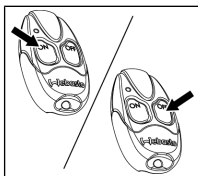
Improper use can cause the batteries to leak, overheat or explode.

- ▶ When handling the battery, follow all instructions and warnings that are supplied with or printed on the battery.
- ▶ The battery is not rechargeable therefore never attempt to charge the battery.
- ▶ Never short-circuit the battery.
- ▶ Never expose the battery to high heat.
- ▶ Do not transport the battery together with metal objects, e.g. necklaces or hair pins.
- ▶ The risk of the battery leaking is greatest when the battery is discharged. To avoid damage to the hand-held transmitter you should remove the battery when it is discharged or if the hand-held transmitter will not be used for a prolonged period.
- ▶ If liquid from a damaged battery comes in contact with clothing, the eyes or the skin, immediately flush the affected area with ample water.
- ▶ Dispose of the battery in accordance with locally applicable disposal regulations. Insulate the contacts with insulating tape.
- ▶ Keep new and used batteries out of the reach of children. Swallowing the battery can seriously damage your health. If a battery is swallowed immediately seek medical assistance.

14.1 Battery disposal

Dispose of packaging in corresponding recycling container in accordance with national regulations.

14.2 Hand-held transmitter battery status

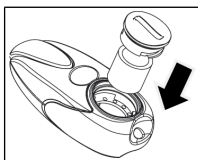


- Press the ON or OFF push button. (The heater may be activated or deactivated here.)

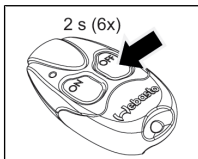
LED display	Battery status
Lights green or red for 2 s.	Battery is OK.
Flashes green or red for 2 s.	Battery is OK. The receiver is too far away or the transmitter has not been paired.
Lights orange for 2 s.	Almost spent. Very cold. Battery is almost spent; replace it as soon as possible. Transmitter heats up.
Flashes orange very quickly for 5 s.	Battery flat. Replace battery.
No display.	Battery flat. Replace battery.

14.3 Restarting

To extend the life of the battery, we recommend removing the battery from the hand-held transmitter if it is not to be used for a longer period of time.



- Insert battery in the battery compartment of the hand-held transmitter.



- Press the OFF push button six times for 2 seconds at approx. 2-second intervals.
- Wait for approx. 2 minutes.

**NOTE**

If after restarting the hand-held transmitter, it does not function, check the battery function (see "Hand-held transmitter battery status on page 10").

15 Maintenance and handling

Battery and hand-held transmitter:

- Avoid damage
- Do not let it heat up over 70 °C (e.g. direct sunlight)
- Operating temperature 0 °C to +50 °C
- Only store the unit in a dry and dust-free environment
- Protect against moisture
- Store at room temperature

16 Declaration of Conformity

CE-Declaration of Conformity and UKCA-Declaration of Conformity

The TelestartT91 was developed, manufactured, tested and supplied in accordance with the relevant directives, regulations and standards for safety, EMC and environmental compatibility.

Webasto declares that the product TelestartT91 is manufactured and delivered in accordance with the directives and regulations.

The complete CE Declaration of Conformity and UKCA Declaration of Conformity can be found in the download area at <https://dealers.webasto.com>.

To request this documentation in another language, please locate and contact your local Webasto dealer. You can find your nearest dealer at: <https://dealerlocator.webasto.com/en-int>. To provide feedback (in English or German), please email: feedback2tdt@webasto.com

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