

867 MHz

868 MHz

915 MHz



CE 0682

(EN) Operating instructions (translation)

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Safety instructions



Observance of these instructions is a precondition for safe and fault-free operation and for the product performing as intended.

- The operator/user shall have read the instructions fully and understood them.
- The operator shall ensure that the instructions are available to the user in a legible form.
- The operator shall ensure that all safety measures are observed and complied with.
- The following safety and installation instructions relate to the device and not to its accessories or the drive.



CAUTION!

Failure to observe these instructions may lead to injury.

→ Observe all safety instructions.

- Never install or use damaged products.
- Only use unmodified and compatible original parts.
- There is a risk of personal injury and damage if the device is opened without permission, used improperly, installed incorrectly or operated incorrectly.
- The device contains small parts which can be swallowed.

Transport

- The device may not be used should you have received the device damaged, despite proper packaging. Complain about any damage to the transport company immediately.

Installation

- Observe all regulations for installation.

Operation

- Use only in dry rooms.
- It must be possible to observe the equipment while it is in operation if the equipment is controlled by one or more transmitters.
- Keep control systems out of the reach of children and the disabled.
- Dispose of used batteries properly.

Safety instructions for radio operation



Observe all safety instructions for radio operation.

Only use radio systems which are approved and can be operated without interference.

- Radio systems must not be operated in areas where there is an increased risk of interference (e.g. hospitals, airports).
- Remote control is permitted only for devices and equipment for which a malfunction of the transmitter or receiver does not give rise to a hazard to persons, animals or objects or where this safety risk is covered by other safety equipment.
- The operator has no protection whatsoever against interference by other telecommunication installations and local terminals (e.g. also from radio installations which are operated properly in the same frequency range).
- The range of the radio signal is limited by legislation and the structural conditions.

Intended use

The SG 10300 hand-held radio transmitter is a single channel transmitter. It can be used unidirectionally or bidirectionally. The hand-held transmitter may only be used to control Silent Gliss

shading systems that are equipped with the corresponding radio receivers. Other uses or use going beyond this is considered to be contrary to the intended use.

The hand-held transmitter is referred to in these instructions as the “device”.

Exclusion of liability

Silent Gliss accepts no liability whatsoever for personal injury or damage caused by uses other than those listed above, modifications to the device, incorrect use, failure to observe the instructions. Liability for material defects is excluded in such cases.

Scope of delivery

SG 10300 hand-held transmitter (batteries included in the device), wall bracket, 2 wall plugs, 2 screws.

Technical data

Name of unit	SG 10300 hand-held radio transmitter
Operating voltage	3 V DC
Battery type	2 x LR06 (AA mignon)
IP Code	IP 20
Temperature range	0 to +55 °C
Radio frequency	867/868 MHz frequency band
Dimensions in mm (hand-held transmitter)	L 120 x W 51 x H 26
Weight in grams (including battery)	120

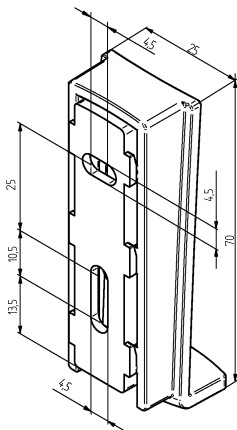
In a deviation, the following applies for the USA, Canada, Australia and some nations in South America:

Radio frequency	915 MHz frequency band
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Mounting of wall bracket

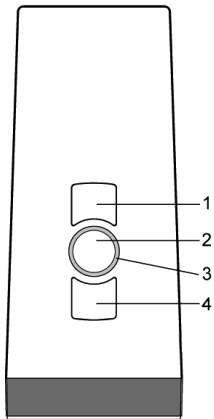
- Make sure that the holes are not drilled into electric cables when fitting the wall bracket.
- Before installing the unit in the required position, check that the transmitter and receiver are functioning perfectly.
- Attach the bracket to the wall with the wall plugs and screws provided.

The top part of the wall bracket can be moved.



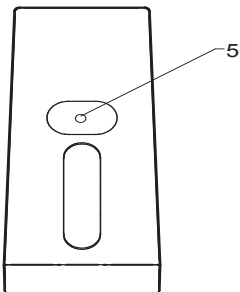
Description of the device

Front side of the device



- 1 **OPEN** button
- 2 **STOP** button
- 3 Status indicator
- 4 **CLOSE** button

Rear of the device



- 5 Programming button **P**

Explanation of functions

Bidirectional radio system

A bidirectional radio system transmits radio signals to a radio receiver and enables feedback from the radio receiver to the transmitter. The radio signal can be sent directly to the target receiver. If this is not possible then the radio signal is forwarded via other bidirectional participants until the signal reaches the target receiver. The target receiver carries out the command and sends a confirmation back to the transmitter.

Bidirectional radio operation is only possible if all participants are bidirectional. Otherwise, the system is only unidirectional.

Unidirectional radio system

A unidirectional radio system transmits radio signals to radio receivers. However, unlike in a bidirectional radio system, the radio receiver cannot send any message back to the transmitter. It is also not possible to transmit radio signals from radio receiver to radio receiver.

Initial operation

Pressing a button switches on the hand-held transmitter and lights the status display.

Note

Do not press the **P** button until the receivers are in programming mode. The channel selects a radio system during programming. If the receivers are not in programming mode, the transmitter channel changes to unidirectional mode. Press the **STOP** and **P** buttons simultaneously for 6 seconds until the status display lights to restore the initial condition.

Status display

A radio signal is indicated by the status display (LED ring around the STOP button) lighting up. The various colours of the status display mean:

Status display	Meaning
Flashing orange	Channel (transmitter) not programmed in any receiver
Flashing orange rapidly	Channel (transmitter) in bidirectional programming mode. Operation of already programmed receivers is not possible. Every 3 seconds in group programming mode (even if no button is pressed)
Orange then green	Channel (transmitter) is operating bidirectionally and receiver has received the signal
Orange then flashing red	Channel (transmitter) is operating bidirectionally and one of the receivers has not received the signal
Red then green	Channel (transmitter) is operating bidirectionally and receiver has received the signal, batteries weak
Red then flashing red	Channel (transmitter) is operating bidirectionally and one of the receivers has not received the signal, batteries weak
Green	Channel (transmitter) is operating unidirectionally: Transmit signal is being sent
Green with repeat, then red (unidirectional)	Channel (transmitter) is deleted
Alternating orange and green (or red), then red (bidirectional)	Channel (transmitter) is deleted
Flashing red	Batteries weak

The transmitting power or radio range will be reduced by declining battery output. No more functions are executed and there is no display if the voltage drops below 2 V.

Group control unit

A group is understood to mean the control of several receivers at the same time. The selected group is controlled by a travel command.

Any number of receivers can be programmed and controlled in the channel.

Programming the transmitter

Requirement

The receiver is installed. **Check whether the channel has been deleted** or is in the correct mode according to the status display. Stand in front of the curtain to be programmed while programming.

1. Where electrical receivers have already been installed, switch the circuit breaker off and on again after a few seconds.
The receiver is now in programming mode for about 5 minutes.
2. Press the programming button **P** on the rear of the device briefly (approximately 1 second) until the status display lights up briefly. The curtain moves up and down for approximately two minutes, showing that the receiver is in programming mode.
3. Press the **OPEN** button as soon as the curtain starts moving in the Open direction (within no more than 1 second). The status display lights briefly.
The curtain stops briefly, travels further, stops and then travels in the close direction.
4. Immediately (no more than 1 second) the curtain starts closing, press the **CLOSE** button. The status display lights briefly. The curtain stops. The transmitter channel is programmed.

Note

Programming will have to be repeated if the curtain does not stop.

A bidirectional programming process in the hand-held transmitter can be cancelled by pressing the **STOP** button for 6 seconds.

Programming additional transmitters

Note

Multiple receivers connected to the **same supply** are all simultaneously ready for programming for approximately 5 minutes after connection to the mains.

If the **P** button is now pressed on the transmitter, all receivers start programming mode simultaneously (opening/closing). An offset is created between the receivers by randomly different pauses between the opening/closing runs. The longer programming is delayed, the greater the offset will be.

The brief opening/closing runs can be stopped by pressing the **STOP** button briefly on a transmitter that has already been programmed. The programming mode in the receiver is interrupted.

The transmitter can now be assigned without having to disconnect individual receivers. If the curtain moves in the wrong direction, delete the transmitter and program it again.

(→ see Deletion of transmitter)

To program additional transmitters to one receiver:

1. Press the **OPEN**, **CLOSE** and programming **P** (rear of the device) buttons simultaneously (for three seconds) on a transmitter that has already been programmed to the receiver. The status display lights briefly. The receiver is now in programming mode.
2. Press the programming button **P** on the transmitter to be programmed until the status display lights briefly. The receiver is now in programming mode (opening/closing).
3. Press the **OPEN** button as soon as the curtain starts moving in the Open direction (within no more than 1 second). The status

display lights briefly. The curtain stops briefly, starts moving again and then moves downwards.

4. Immediately (no more than 1 second) the curtain starts closing, press the **CLOSE** button. The status display lights briefly. The curtain stops. The transmitter channel is programmed.

If more than 10 bidirectional receivers are being programmed in the channel at the same time, the transmitter channel in programming mode switches to group mode. Group mode is indicated by fast flashing with pauses.

Programming in group mode is completed after a 2-minute pause or pressing the **STOP** button for 6 seconds.

5. Press the **CLOSE** and programming **P** buttons (on rear of device). The status display flashes. The receivers are now in programming mode.
6. Only in bidirectional operation: press the programming button **P** on the transmitter to be programmed until the status display lights up briefly. The receivers are now in programming mode (opening/closing).
7. Press the **OPEN** button as soon as the curtain starts moving in the Open direction (within no more than 1 second). The status display lights briefly. The curtains stop briefly, start moving again, stop and then move downwards.
8. Press the **CLOSE** button as soon as the curtains start moving in the closing direction (within no more than 1 second). The status display lights briefly. The curtains stop moving. The transmitter channel is programmed.

Stopping programming mode (bidirectional) in the transmitter

Press the **STOP** button for at least 6 seconds until the status display lights orange.

Approaching the limit positions

Requirement

The transmitter/transmitter channel is programmed. The end positions of the drive have been set.

Approaching the “closed” end position

Press the **CLOSE** button briefly. The curtain closes fully.

Approaching the “open” end position

Press the **OPEN** button briefly. The curtain opens.

Programming intermediate position 1 in the receiver

Requirement

The transmitter/transmitter channel is programmed. The end positions of the drive have been set. The curtain is in the open end position.

1. Move the curtain to the desired position with the **CLOSE** button. Hold the **CLOSE** button to do this.
Option: Press **STOP** and also the **CLOSE** button for three seconds to access the "20 Series 867/868/915" slow travel mode. The drive remains in the slow travel mode until programming of intermediate position 1 is completed.
2. Press the **STOP** button as well. The curtain stops. The status display lights briefly.
Intermediate position 1 is programmed.

Programming intermediate position 2 in the receiver

Requirement

The transmitter/transmitter channel is programmed. The end positions of the drive have been set. The curtain is in the “closed” end position.

1. Move the curtain to the desired position with the **OPEN** button. Keep the **OPEN** button pressed during the movement.
Option: Press **STOP** and also the **OPEN** button for three seconds to access the "20 Series 867/868/915" slow travel mode. The drive remains in the slow travel mode until programming of intermediate position 2 is completed.
2. Press the **STOP** button as well. The curtain stops. The status display lights briefly.
Intermediate position 2 is programmed.

Approaching intermediate position 1

Requirement

The transmitter/transmitter channel is programmed. The curtain is at its upper end position.

1. Press the **CLOSE** button briefly twice. The status display lights briefly.
2. The curtain travels to the stored intermediate position. If no intermediate position is programmed, the curtain travels to the “closed” end position.

Approaching intermediate position 2

Requirement

The transmitter/transmitter channel is programmed. The curtain is at its lower end position.

1. Press the **OPEN** button twice briefly. The status display lights briefly.

2. The curtain travels to stored intermediate position 2. If no intermediate position 2 has been programmed, the curtain moves to the "Open" end position.

Deleting intermediate position 1 from the receiver

1. Press both the **STOP** button and the **CLOSE** button.
2. Hold down this button combination for approximately 3 seconds. The status display lights briefly.

Deleting intermediate position 2 from the receiver

1. Press both the **STOP** button and the **OPEN** button.
2. Hold down this button combination for approximately 3 seconds. The status display lights briefly.

Deleting the transmitter channel from the receiver

1. Press both the **STOP** button and the programming button **P** (on the rear of the device).
2. Keep this button combination pressed for approximately 6 seconds until the status display lights orange briefly and then lights red. In unidirectional radio operation, the status display lights for 6 seconds: first green briefly twice and then red. The channel in the transmitter is also deleted.

Deleting all the transmitters from the receiver

1. Press the **STOP** button and also the programming button **P** (on the rear of the device) + **OPEN** button + **CLOSE** button.
2. Hold down this button combination for approximately 6 seconds. The status display lights orange/green briefly twice, followed by red (bidirectional). The channel in the transmitter is also deleted. In unidirectional radio operation, the status display lights for 6 seconds: first green briefly twice and then red.

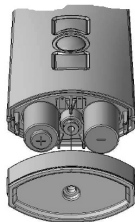
Replacing the batteries

Note

Replace batteries only with batteries of identical type.

1. Unscrew the underside of the device and open the housing.
2. Remove the batteries.
3. Insert the new batteries in the correct position.
4. Reassemble the device.

Dispose of used batteries properly.



Cleaning

Clean the device with a damp cloth. Do not use a detergent. This may attack the plastic.

Disposal

Dispose of the device in accordance with the relevant regulations when you no longer need it.

Troubleshooting

Fault	Cause	Remedy
System does not run; status display does not light up	1. Batteries are exhausted 2. Batteries are incorrectly installed	1. Insert new batteries 2. Insert batteries correctly
System does not run; status display lights up red or flashes orange Unidirectional: Status display lights green	1. The receiver is outside radio range. 2. Receiver out of order or faulty 3. Receiver not yet programmed	1. Reduce distance to the receiver 2. Switch on or replace receiver 3. Program receiver
System runs in the wrong direction	Directions are incorrectly allocated	Delete transmitter and reprogram

Repair

Please contact your dealer if you have any questions.

Please always provide the following information:

- Item number and name on the type plate
- Type of fault
- Unusual events occurring prior to fault
- Accompanying conditions
- Own suspicion

EC Declaration of conformity

We hereby declare that the following mentioned product/s meet/s the standards of the European Community.

Product name: **Silent Gliss hand-held radio transmitters**

- Hand-held radio transmitter SG 10300 (-867 / -868 / -915)
- Hand-held radio transmitter SG 10301 (-867 / -868 / -915)
- Hand-held radio transmitter SG 10302 (-867 / -868 / -915)
- Hand-held radio transmitter SG 10303 (-867 / -868 / -915)

Description: Hand-held radio transmitter for bidirectional and unidirectional communication between transmitter and receiver for controlling interior shading

The conformity of the indicated product(s) with the most important safety requirements is verified by the conformation to the following guidelines and standards:

- EMC Directive 2004/108/EC
EN 61000-6-2:2005, EN 61000-6-3:2001
EN 60730-1:2000, EN 60730-2-7:1991
- R&TTE-Directives 1999/5/EC
ETSI EN 301 489-3 V1.4.1
ETSI EN 300 220-2 V2.1.2
- RoHS Directive 2002/95/EC

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