



GEIGER RADIO 2.0

Product Data Sheet



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GEIGER RADIO 2.0 FOR COMFORTABLE OPERATION OF THE SUN PROTECTION

Energy efficiency

Efficient hand-held transmitters not only help extend the battery's service life but also reduce power consumption, thereby contributing to environmental protection.

High energy efficiency means that the hand-held transmitter uses up less energy to perform its function. This has multiple advantages:

- **Longer battery service life:** Efficient hand-held transmitters need their batteries changed less often. This is not only comfortable but also reduces both costs and the ecological footprint.
- **Environmental protection:** Less battery consumption equals less waste and lower strain on the environment by production and disposal of batteries.
- **Cost savings:** Both the households and the manufacturers profit from lower costs for batteries and energy.

Connection of hand-held transmitters to radio receivers by pairing

The connection of hand-held transmitters to radio receivers is central in modern wireless communication. From roller shutters to awnings, pairing permits safe and reliable communication between devices. The pairing process ensures that only authorised hand-held transmitters can access the radio receivers, thereby warranting safety and function.

High transmission output - safe operation

The efficient GEIGER transmission protocol lowers power consumption without impairing performance or reach.

Users receive maximal radio transmission even at large distances or difficult building materials.



HAND-HELD TRANSMITTER GFB0.. FOR THE 2ND GENERATION OF GEIGER RADIO TRANSMISSION



Hand-held transmitter GFB00.

Elegant and handy 1-channel hand-held transmitter with high-gloss surface for indoor use.

Features:

	GFB001	GFB002
Colour	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black
Channel	1	

Technical data:

Transmission frequency	433.92 MHz
Transmission power	6 dBm
Temperature range	-0 °C to +60 °C
Power supply	2x Micro 1.5 V, type AAA
Dimensions	95 x 42 x 20 mm



Holder for Hand-held transmitter GFB00.

	GFB003	GFB004
Colour	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black

Comfort 15-channel hand-held transmitter with timer GFB0..

Elegant 15-channel hand-held transmitter with high-gloss surface for indoor use.

- These 15 channels can have any number of receivers assigned
- Large buttons for simple navigation and intuitive operation
- Multifunction buttons for performing the displayed functions
- Total Control: Synchronous control of channels 1 to 15

Features:

	GFB011	GFB012	GFB021	GFB022
Colour	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black
Total Control function	-	-	Yes	Yes
Channels	15			
Timer	6 timers per channel			

Technical data:

Display size	2", 240 x 320 px
Transmission frequency	433.92 MHz
Transmission power	6 dBm
Temperature range	-0 °C to +60 °C
Power supply	2x Mignon 1.5 V, type AA
Dimensions	167 x 50 x 30 mm



Holder for 15-channel hand-held transmitter GFB0..

	GFB013	GFB014
Colour	<input type="checkbox"/> White	<input checked="" type="checkbox"/> Black

EXTERNAL RADIO RECEIVER GRE00. FOR THE 2ND GENERATION OF GEIGER RADIO TRANSMISSION



External receiver GRE001

External radio receiver with bilateral Hirschmann connection.

- Comfortable installation between the Hirschmann plugs (STAK3/STAS3)
- Suitable for mobile installation
- Available modes for controlling Venetian blinds and roller shutters

Technical data:

	GRE001
Supply voltage	230 V (+/-10%) / 50 Hz
Frequency	433.92 MHz
Temperature range	-0 °C to +60 °C
Protection class	IP 54
Dimensions	135 x 35 x 35 mm

Subject to technical changes



External receiver GRE002

Concealed radio receiver for GEIGER motors.

- Suitable for installation in a commercial concealed socket
- Additional option of connecting an operating switch
- Available modes for controlling roller shutters and Venetian blinds

Technical data:

	GRE002
Supply voltage	230 V (+/-10%) / 50 Hz
Frequency	433.92 MHz
Temperature range	-0 °C to +60 °C
Protection class	IP 20
Dimensions	50 x 50 x 30 mm

Subject to technical changes



VIBRATION SENSOR GRE400 TO PROTECT YOUR AWNING FROM DAMAGE



Vibration Sensor GRE400

External vibration sensor to protect your sun protection system.

- Unobtrusive mounting in the awning's front profile
- Installation without screws thanks to high-quality adhesive strips
- Setting sensitivity h in 10 levels
- Simple commissioning by pairing

Technical data:

Transmission frequency	433.92 MHz
Transmission power	6 dBm
Protection class	IP 54
Temperature range	-0 °C to +60 °C
Power supply	2x Micro 1.5 V, type AAA
Dimensions (L x W x H)	150 x 35 x 25 mm (incl. 5 mm base plate)

Subject to technical changes



The name of GEIGER Antriebstechnik represents global innovative drive solutions in the area of sun protection.

With more than 250 employees, we have become a leading manufacturer of mechanical and electrical drives for louvres, awnings, and roller shutters.

We are a renowned, medium-sized company offering drive components for sun protection worldwide.