

# We power your drive

Berner Torantriebe has been a leading manufacturer of garage door openers for more than 55 years.

With its own production facility in Germany, Berner satisfies a wide range of customers' needs and offers practice-oriented solutions.

First class quality, and the reliability of Berner products which comes with it, are ensured by using selected components, endurance testing, and careful final inspection.

This is the Berner team's plan for success, and is the most compelling reason for the great relationship we enjoy with our customers.



## Berner's full range of quality products

- Garage door openers
- Battery / solar-powered openers
- Underground car park and industrial door openers
- Swing and sliding gate openers
- Running gear for sliding gate drives
- Gated lock-ups
- Car park barriers
- Wireless remote controls
- Accessories



### Other brochures about our products



GA-line

Underground car park and industrial door openers



C-line  
D-line

Swing and sliding gate openers



B-line

Barriers and parking shut-off systems



Accessories



Secure Mobile App

LESS ENERGY CONSUMPTION  
MORE SPEED  
MORE POWER  
MORE LIGHT

The Berner Secure Mobile App

Offering security for your garage



Edition 4 12/2017



# Convenience that you enjoy – Safety that you feel

With a garage door opener from Berner, you never have to worry about stepping out into the wind and weather to open the garage door by hand. All it takes is the push of a button and you can drive into your illuminated garage. Installation is very simple and always possible – also ideal for retrofitting. Our range of high-performance products offers the right opener for every garage and the intelligent Berner technology makes it safe and user-friendly.

- INCREASED BREAK-IN PROTECTION
- SENSITIVE OBSTACLE DETECTION SYSTEM
- MINIMAL ENERGY CONSUMPTION
- LED LIGHT
- RAPID OPENING AND PARTIAL OPENING FUNCTION
- CLEAR MENU GUIDANCE
- ROBUST AND POWERFUL
- RAIL IN SYNTHETIC BELT OR TOOTHED BELT
- FIVE YEAR WARRANTY ALSO FOR CONTROL UNIT
- CERTIFIED SAFETY

## Safe. Safer. Berner.



### Certified safety

Our openers are put through their paces and bear the TÜV and standard quality seal. They are additionally tested and certified according to DIN EN 13241-1 with the doors of all major door manufacturers.



### Sensitive obstacle detection system

With the integrated, intelligent automatic shutdown function, the door detects obstacles, stops immediately and automatically opens again. As a result, there is no risk of getting caught in the door.



### Increased break-in protection

When the door closes, the mechanical lock latches into the limit stop of the guide rail and makes it impossible to force the door open from outside, an effective safeguard - even without power.



### Fully automatic power regulation

With a Berner garage door opener, your garage door develops an independent learning behaviour. With changes to the door, e.g. due to humidity or sluggish movement, the opener adapts its behaviour to the altered conditions and always remains operationally safe and functionally reliable.



### Made in Germany

All Berner products are exclusively developed and produced in Germany. This and much more guarantee the especially high quality, reliability and safety of our products.



### 55 years of experience, expertise and quality

More than 55 years ago Berner Torantriebe KG began developing from a mechanical workshop into an international corporation with wide-ranging expertise in the area of door automation and has continuously set new standards with its inventions.





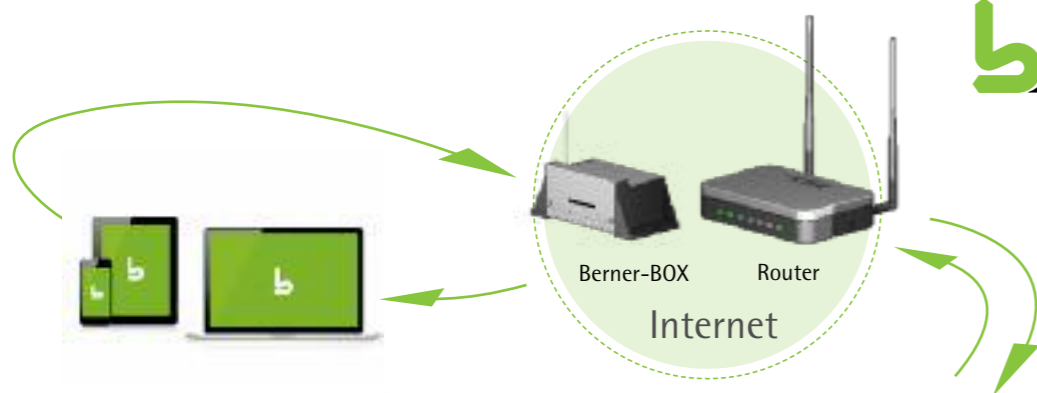
## Intelligent automation with the Berner Secure Mobile App

With the Berner Secure Mobile App you can operate wireless Berner products simply and intuitively by Smart Phone and Tablet. Convenient and really easy time and location independent control of entrance doors, lighting and much more at the single touch of a button.

### Easy to install and ready for immediate use

At the core is the intelligent Berner-Box, the central control for Berner wireless products. Automatic, fast installation: Simply connect the Berner-Box to your router through a network cable or WLAN. Perform single equipment configuration over the Secure Mobile App using your smartphone or tablet.

The control of the garage door status can also occur about an IP-camera.



### Advantages

- No monthly payments
- Free app download
- Numerous control functions
- Simple installation and operation
- Intuitive programming
- Total security through BiSure technology
- Optional use with your own WLAN
- No need to worry about mobile loss or replacement
- Maximum 5 users
- Easy upgrade



## The new Berner radio technology

Multifunctional with new design



Our new, attractive remote controls not only look good, they can also do much more. The previous technology was completely overhauled for improved safety and conveniences and now provides many new features.



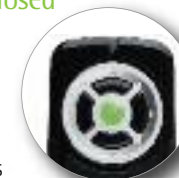
### The benefits:

- Bidirectional encryption method
- Highest security level against the scanning and reading of the radio signal
- Remote control with BiSure technology confirms the successful transmission of the signal with the orange LED
- Query of the door position; multi-coloured LED indicates OPEN/CLOSE (with 5-channel remote control)
- Compatibility with the current Berner radio system!
- Batteries in standard AAA size - for a long service life
- Safe and stable range

### Simply unique – the new door status display

Who hasn't been there before? It is raining, you have a bunch of shopping bags and just want to get inside quickly. Once in the house, you are not sure whether you actually closed the garage door. Our new BiSure radio technology simply and clearly shows you whether the door is open or closed with an LED on the remote control and closes it at the push of a button, if necessary.

Door closed



Door open



... the garage door opener immediately sends the door status back to the remote control.



The new 5-channel remote control BDS150 sends a door status query to the garage door opener ...

Yes. Your garage door is safely closed!

Did I really close the garage?





## Practical and versatile in use

Versatile Berner accessories are always practical in daily use and leave nothing to be desired. Whether you want to open your door at the push of a button while on the move or if a stationary solution is optimal for your requirements, we offer intelligent solutions for indoor and outdoor areas. Berner accessories - safe and convenient.

### The new remote control with BiSure technology: Convenient and safe

**BDS120**  
The practical BDS120 - simply attach it to your key chain and never search again. Small, attractive and always at hand.

**BDS140**  
The mobile BDS140 - simply clip it on the sun visor for convenient opening and closing at the push of a button. Optional mounting possibility with practical wall mount.

**Easy battery replacement**  
A regular battery (AAA) can be used in the BDS140 and BDS150 remote controls. No effort, as easy as anything.

**BDS150**  
The versatile and mobile BDS150 can be stored in a wall mount in the corridor, for example. It can be used to check whether the garage door is open or closed - any time, even without visual contact. If desired, you can also actuate your door at the push of a button.

### The practical addition

Uncomplicated and always at hand, the BlueCar remote control has a fixed location in the cigarette lighter of your car. Easily within reach and simple to operate.

**BHS211**  
BlueCar1 1-channel remote control

**BHS221**  
BlueCar2 2-channel remote control



**FFL12**  
Wireless fingerprint scanning system

### The fingerprint reader for outside use: Unmistakably safe

The intelligent fingerprint reader can be used for the control of two door openers. The door can be opened with your fingerprint - with storage of up to 12 different fingerprints. Unmistakably clever and always at hand.

### The wireless keypad: Strikingly beautiful!

The illuminated 10-channel wireless keypad with sturdy stainless steel keypad is supplied with a wall mount included and integrates perfectly into your environment. Compatible with our BiSure and fixed code radio systems. The change of batteries using two AAA batteries is especially easy and ensures a long service life.





## More than you expect

Berner garage door openers can do more. In addition to the many safety features, all our openers offer many additional advantages and impressive, innovative technology - just what you would expect of Berner.



### Unique 5-year Berner Warranty

The 5-year Berner Warranty covers the drive mechanics, the motor and even the motor controller for five years or up to 200,000 door cycles (1 cycle = open and close).



### Ventilation function

The freely programmable opening height as a ventilation position is especially practical for garages that have no other ventilation options like windows or side doors. It guarantees a better room climate and prevents the accumulation of moisture in the garage.



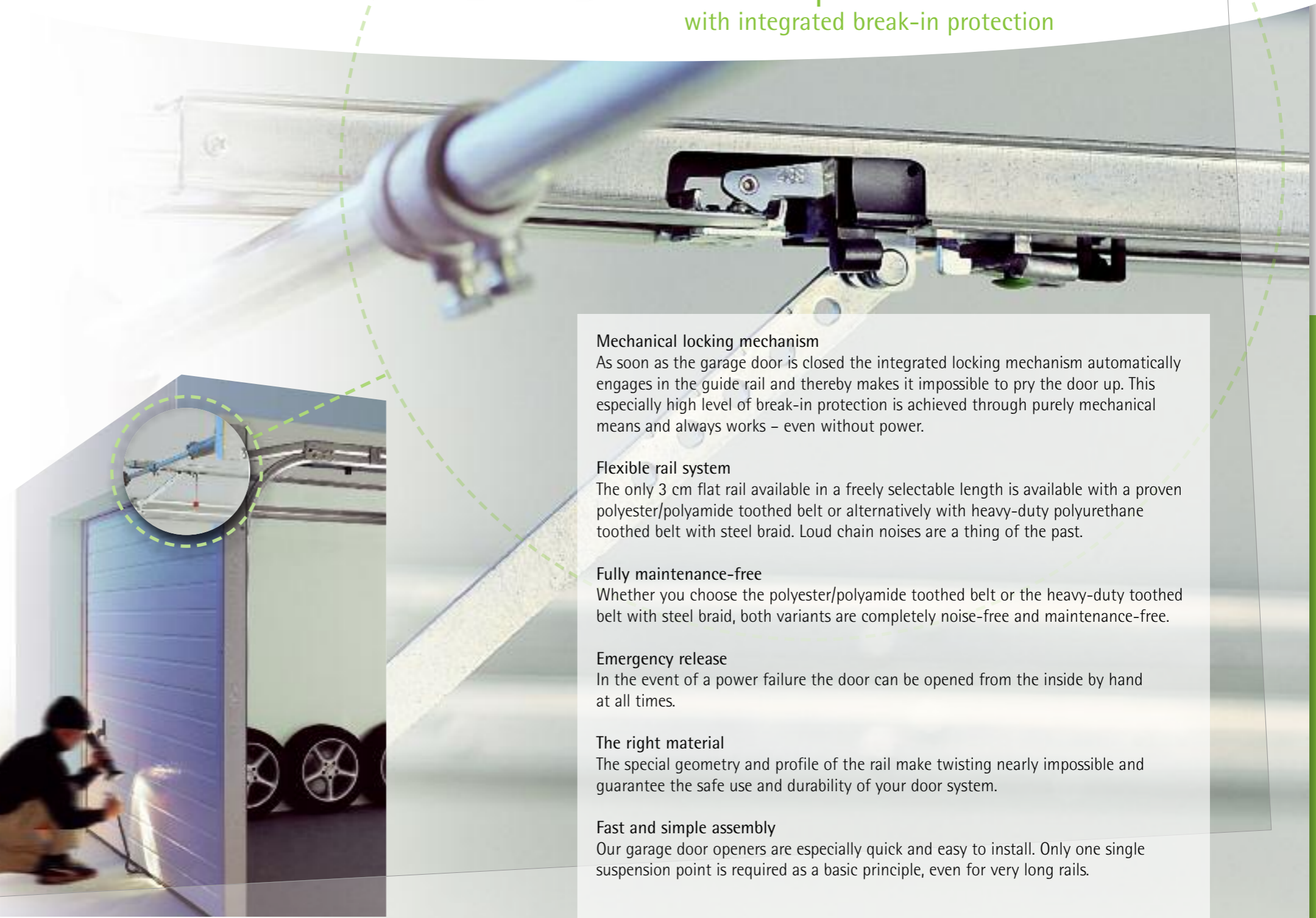
### Soft start and soft stop

The standard, integrated soft start and soft stop function provides a quiet and gentle operation and is a guarantee for durability and function.



In focus:

## The unique Berner rail with integrated break-in protection



**Mechanical locking mechanism**  
As soon as the garage door is closed the integrated locking mechanism automatically engages in the guide rail and thereby makes it impossible to pry the door up. This especially high level of break-in protection is achieved through purely mechanical means and always works - even without power.

**Flexible rail system**  
The only 3 cm flat rail available in a freely selectable length is available with a proven polyester/polyamide toothed belt or alternatively with heavy-duty polyurethane toothed belt with steel braid. Loud chain noises are a thing of the past.

**Fully maintenance-free**  
Whether you choose the polyester/polyamide toothed belt or the heavy-duty toothed belt with steel braid, both variants are completely noise-free and maintenance-free.

**Emergency release**  
In the event of a power failure the door can be opened from the inside by hand at all times.

**The right material**  
The special geometry and profile of the rail make twisting nearly impossible and guarantee the safe use and durability of your door system.

**Fast and simple assembly**  
Our garage door openers are especially quick and easy to install. Only one single suspension point is required as a basic principle, even for very long rails.

Our four models of garage door openers offer the perfect solution for every application. No matter which opener you choose, your opener is safe, robust, reliable and energy-efficient.

Berner garage door openers are suitable for sectional, up-and-over, side-sectional and overhead doors with problem-free retrofitting and an extensive assortment of available accessories.

Berner garage door openers.  
Offering security for your garage.

## Consistent technical advancement

The affordable and consistently improved GA103 garage door opener is full of technical innovations and meets even the highest demands. The practical second opening height is now a standard programmable feature. It has the highest break-in protection and user safety, 5-year warranty, is TÜV tested and conforms with all common standards. An additional power boost with now 600 Newtons has also been added.

### The entry-level model

#### Garage door opener GA103

Suitable for garages with up to 2 spaces

Max. traction/pulling force 600 N

Door sizes up to 9 m<sup>2</sup>

Opening speed max. 135 mm/sec.

MORE POWER  
VENTILATION FUNCTION



The new BHS121 unidirectional 2-channel remote control





## All in one

The new generation of openers, GA203 and GA403

The new garage door openers from Berner combine all innovative functions and advantages in one opener for the first time. LED lighting, energy-saving stand-by function, faster opening speed, more power, highest-possible break-in protection and user safety, 5-year warranty and much more make them even safer and more functional.



MORE SPEED  
MORE LIGHT  
MORE POWER  
LESS ENERGY CONSUMPTION



### The all-rounder

#### Garage door opener GA203

Suitable for garages with up to 6 spaces

Max. traction/pulling force 750 N

Door sizes up to 12 m<sup>2</sup>

Opening speed max. 220 mm/sec.

0.5 W in standby mode

### The professional

#### Garage door opener GA403

Suitable for garages with up to 25 spaces

Max. traction/pulling force 1000 N

Door sizes up to 15 m<sup>2</sup>

Opening speed max. 220 mm/sec.

0.5 W in standby mode

The new BDS140 4-channel remote control with wall mount and sun visor clip



#### More speed

The integrated quick-opening function opens your garage door in seconds, up to 50% faster than competing openers. This means short waiting times for you, as well as making it possible to enter and exit the garage both rapidly and safely.

#### Less energy consumption

Our new generation of openers is particularly energy efficient. The 0.5 W power consumption in standby mode ensures a considerable reduction in power consumption and effectively costs only approx. 1€ per year. The opener is fully functional and ready for use 24/7; just the push of a button on the remote control is enough to set the door in motion.

#### More light

The LED lighting, which comes as standard, is substantially brighter, while using significantly less energy. With nearly 100,000 operating hours, it is especially long-lasting and environmentally-friendly.

#### More power

The new openers from Berner open even larger doors than before, effortlessly. Up to 1000 N of force guarantees extra power and ensures you are never left sitting in front of a closed door.

#### Simple menu navigation

The opener can be taught in and programmed by the simple press of a button and a new menu system. That means everyone is capable of quickly activating and operating it - which saves you time and money. The conscious decision not to allow external operation makes it impossible to inadvertently adjust the system and guards against unauthorised access.

## The solution for garages without a power connection

The Berner GA101 battery/solar-powered opener is the ideal solution for the automatic opening and closing of all garages and garage facilities without a power supply – simply and conveniently at the push of a button with all convenience and safety aspects.

The battery can be charged at an outlet through a supplied mains adapter or, alternatively, can store the solar energy collected from the optionally available solar panel.

The 5-metre-long connection cable enables the flexible positioning of the battery on the wall, ceiling or floor. A special mount and all assembly material are included in the set.

### The independent

#### Garage door opener **GA101** battery/solar

Suitable for garages with up to 2 spaces

Max. traction/pulling force 400 N

Door sizes up to 7 m<sup>2</sup>

40 days operating life with 4 door cycles per day (20 degree environmental temperature)



#### The battery 24 V 10 Ah



Weight: 8.8 kg  
Dimensions: 330 x 220 x 115 mm  
2 year warranty

#### The solar panel 24 V 10 W



Dimensions: 410 (W) x 310 (H) mm

Berner garage door openers.  
Offering security for your garage.



## GA101 to GA403 technical data

### Traction and pulling force

GA101 battery-solar max. 400 N  
GA103 max. 600 N  
GA203 max. 750 N  
GA403 max. 1000 N

Maximum on-time = 30%

### Remote control

2-channel miniature remote control for GA103 (868 MHz) with integrated receiver.  
4-channel remote control for GA203/403 (868 MHz), separate receiver.  
4-channel remote control (868 MHz), integrated, power-saving, self-teaching radio receiver for GA101 battery/solar.

### Special functions

- Soft start and soft stop in all door positions
- Quick-opening function for GA203/GA403
- Freely programmable second opening height for GA103, GA203 and GA403
- Evaluation for opto-sensor edge for GA203/GA403
- Automatic closing
- Stop input (emergency stop, wicket doors)
- 2-wire technology available (for GA103, GA203 and GA403)
- Input for external control devices
- Photocell input (for GA103, GA203 and GA403)
- Selectable soft run for overhead and sectional doors
- Potential-free option relay for warning light or external light control (for GA203/GA403)
- Input for red traffic light (for GA203/GA403)
- Input for 8.2 kOhm closing border protection (for GA203/GA403)
- External light independently controllable via separate radio channel (for GA203/GA403)

### Connection

Connection terminals for external devices with low safety voltage 24 VDC, such as internal and external buttons with pulse mode

### Universal fitting

For up-and-over and sectional doors

### Motor

Direct current motor with hall sensor

### End position shut-off/force shut-off

Self-teaching, wear-free, due to realisation without a mechanical switch. Additional integrated run-time limiting. Readjusting automatic force shut-off at each door run.

### Door run speed

135 mm/sec. in standard, in fast run position for GA203 and GA403, 220 mm/sec

### Guide rail

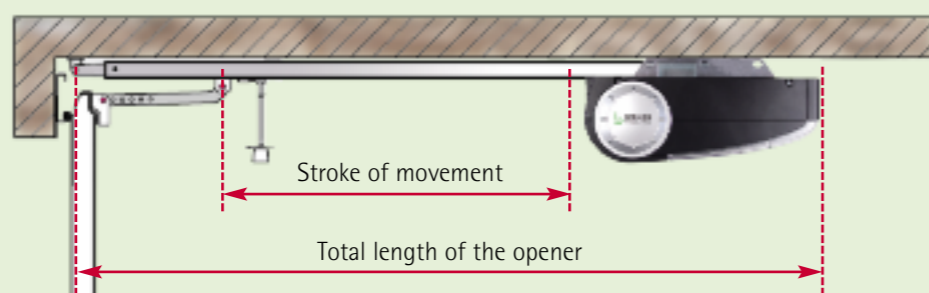
With 30 mm extremely flat rails, with integrated locking mechanism. Rails in synthetic belt or toothed belt version

### Mains connection

230/240 VAC, 50 HZ supply voltage for GA101 battery-solar 24 VDC

### Protection class

For dry spaces only



Type	Total length	Stroke of movement	Up-and-over door max. height*	Sectional door max. height*	Side-opening sectional door max. width
K	3175 mm	2475 mm	2500 mm	2250 mm	2375 mm
M	3425 mm	2725 mm	2750 mm	2500 mm	2625 mm
L	4100 mm	3400 mm	3400 mm	3000 mm	3250 mm
5 m	5200 mm	4500 mm	4500 mm	4150 mm	4350 mm
6 m	6200 mm	5500 mm	4500 mm	4150 mm	5350 mm
7 m	7200 mm	6500 mm	4500 mm	4150 mm	6350 mm

\* Heights depend on the fitting types

## Intelligent, simple installation

Berner garage door openers are equipped as standard with universal fittings for all up-and-over doors and sectional doors. In addition, you receive a series of special fittings for special installation situations.

Universal fitting for up-and-over doors



Universal fitting for sectional doors with normal and low lintel fittings



Installation bracket for sectional doors (special fitting)



Special fitting for swing gate doors (Attention: If the automatic door lock is desired, please order our special rails for swing gate doors)

## For even more comfort

Our extensive range of accessories enables you to open your garage door in a variety of ways: Via wireless or wire-bound connection. There are lighting options and additional photocells available for your safety – controllable at the push of a button.



### Wireless:

#### Remote controls

The new 2 to 5-channel remote controls BDS120, BDS140 and BDS150 are especially secure and have a bidirectional encryption method (BiSure). The BiSure technology also enables door status queries at the push of a button.



#### Mini remote control

The Blue opal 5-channel mini remote control in an attractive metal housing with blue LED controls up to 5 applications.



The BHS121 2-channel remote control.



The practical Blue car remote control is available with 1 or 2 channels and fits in your car's cigarette lighter.



#### Wireless keypad

Our wireless keypads with illuminated keys control up to 4 drives and/or the light concept.



#### Wireless interior switches

The Blue-push2 wireless interior switch has 2 pulse buttons for the control of 2 openers. It can be connected to up to 2 controllers, which are switched on/off by a switch.



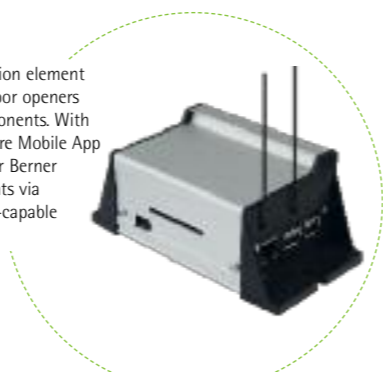
#### Wireless fingerprint readers

The wireless fingerprint scanning system controls up to 2 door openers by means of a fingerprint scan. Up to 12 finger prints can be stored in the system.



#### Berner-Box

Central connection element for operating door openers and radio components. With the Berner Secure Mobile App you control your Berner radio components via mobile internet-capable devices.



#### Bidirectional wireless keypad

BDS591 illuminated 10-channel wireless metal keypad.



#### Plug-in receiver bidirectional

The BDE415 1-channel mains adapter receiver has a potential-free output (2-wire connection cable, 1.9 m) for control of third-party openers and serves as an integrated mains adapter for the mains connection cable of the opener.



### Wired controllers:

#### Key switch

Our large selection of key switches enables simple access to your garage via key contact.



#### Touchpad code keypad

for evaluation unit, white, illuminated



#### Transponder switches

Our 1-channel transponder switch controls your garage door completely contact-free. Two transponder keys are included; up to 1000 keys can be logged in and out.



#### 2-wire interior switches

The 2-wire interior switches have an illuminated pulse button.



### Safety:

#### One-way photocells for inside and outside

The 2-wire one-way photocell is suitable for use inside and outside and serves as an additional safety device.



#### LED traffic lights

The power-saving and long-lasting LED traffic lights offer all safety-related components.



#### Camera basic D-Link

Outdoor camera, WLAN/LAN, optimal in combination with the Berner-Box

