

# SOMMERZEITung

SPECIAL ISSUE R+T | SPRING 2018

**SOMMER:** New design and technology -  
Biometric access control system

**SOMMER:** Switch to SOMlog2 made easy:  
SOMup4

**GROKE:** Innovation:  
Power supply via door hinges

**DOCO:** New, installation-friendly  
walk-through door

## SOMweb

DOOR OPERATOR AND RADIO RECEIVER  
CONTROL VIA YOUR SMARTPHONE

# EDITORIAL

The SOMMER Group is on the path to a digital future. SOMweb is the new solution from SOMMER for controlling door operators via the Internet, combining high convenience with maximum security. This is because the data is not saved on external servers, but directly on the local SOMweb. An IP camera can also be integrated for the purposes of door monitoring and the solution is compatible with numerous Smart Home products. Functionality and security are also the focus of other new product solutions: well-designed, keyless, biometric access systems, radio receivers for a wide range of different applications and a barrier control system for professional parking security are now available thanks to our innovative radio system SOMloq2. Furthermore, flexible LED lights are available for a number of different

applications. Additional products and functions offer genuine added value to traders and good add-on options for additional sales. End customers value security, practical functions and smart operations. We will also be reporting on a brand new innovation from Groke: the first power supply via door hinges – without the need for a cable junction. And at DOCO, development never stands still. We will be introducing a newly developed, easy-to-assemble walk-through door for the HOME private door system.

Have fun reading this edition of our SOMMERZEITung.

**Your SOMMER team**



## CONTENTS

<b>In Focus</b>	<b>04</b>
SOMweb	05
<b>Products</b>	<b>08</b>
Codemaster <sup>+</sup>	08
Keyless access systems	10
ENTRAsys <sup>+</sup> and ENTRAcod <sup>+</sup>	12
SOMup4	16
Lumi Strip and SOMcom4	17
New SOMloq2 barriers	18
Endurance run base <sup>+</sup> with HOME System	19
DeltaDore X3D module	19
GIGAcontrol T <sup>+</sup> and GIGAcontrol TA	20
Energy management	21
<b>GROKE News</b>	<b>22</b>
<b>DOCO News</b>	<b>26</b>

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# SOMweb

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*The secure Smart Home solution,  
where your data stays in the  
garage.*

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SOMweb enables operators and, following this, radio receivers to be controlled with a Smartphone app or web browser. The data is safe, as it is not saved on external servers, but literally remains at home. Without the need for additional cabling or additional sensors, installation of the solution is very simple.



## THE NEW SOMWEB GATEWAY BRINGS SOMloq2 DOOR OPERATORS TO THE INTERNET.

SOMweb is also compatible with the IFTTT platform (see [www.ifttt.com](http://www.ifttt.com)), which means that the operator can be controlled via programmable events such as Alexa from Amazon or Geofencing. The SOMloq2 radio receiver installed in the operator is used for communication with SOMweb. Therefore, no additional module is needed. The AES-128 bit encryption of the SOMloq2 radio system ensures a secure connection with the operator. Data security with this system is particularly high, as the motion commands are not saved on external servers, but literally remain at home. Users can easily be managed and access to the garage can be individually restricted, e.g. by date or time. With no additional cabling or additional sensors being required for the door position, installation couldn't be simpler and the operators and radio receivers can be controlled very easily.

### Technical data

- Integrated WiFi
- Integrated web server

### Other benefits

- Additional security thanks to a plug-in video function via an IP camera
- Alarm function: push messages are sent to the mobile device if the door is opened from another position
- Compatibility with Home kit is also in preparation: control of the operator via Siri or the Home app from Apple



# TRANSMITTER MANAGEMENT: CODEMASTER<sup>+</sup>

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*Central handheld transmitter management  
for SOMloq2*

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With Codemaster<sup>+</sup>, you can conveniently and securely organise your SOMloq2 transmitters. Management of transmitters and, thus, of access to the building takes place centrally. Also, if a retrofit is required, additional handheld transmitters can be centrally prepared and then sent by post to the premises. This means that there is no need for a technician to be on site, thereby saving time and costs and ensuring perfectly managed door systems.



**Advantages for greater customer retention and time savings:**

- No special software installation required
- Management is carried out via a browser
- No cables required for contact between transmitters and receivers
- Additional handheld transmitters for managed buildings can only be obtained via the firm operating the transmitter management
- Additional "Transmitter management" services can be offered to customers
- Additional handheld transmitters are prepared in the "office" and sent to the premises by post
- Money savings, as there is no need for a technician to be on site
- If a Memo fails, a new Memo can be quickly programmed This means that users' transmitters do not have to be collected for re-programming
- Management can be carried out on site if required using a Smartphone or Tablet



# KEYLESS ACCESS SYSTEMS

*For greater convenience  
and security*

Our keyless access systems are state-of-the-art, cost-efficient solutions that combine high convenience with maximum security. The biometric access systems can be quickly installed and will open the door or gate conveniently via a fingerprint or with an individually programmable code of up to 8 digits. The radio signal cannot be hacked or intercepted, which means that doors will remain closed for any unauthorised individuals. You never have to worry again about losing your keys or access cards! In addition to the innovative, bi-directional radio system SOMloq2, the products ENTRAsys<sup>+</sup> and ENTRAcod<sup>+</sup> also have a new attractive housing.

# ENTRASys<sup>+</sup>

*The biometric access control  
system – personal and  
non-interchangeable*

Users always have their unique, non-interchangeable access authorisation ID on them, namely their fingerprint. The ENTRASys<sup>+</sup> fingerprint system opens garage doors and yard gates based on biometric identification at the touch of a finger. Up to 80 fingerprints can be stored and individual fingerprints can be deleted by the administrator without the user having to be present.



#### **Technical data**

- Radio FM 868.95 MHz SOMloq2, 128 bit AES encryption
- 4 radio channels (targets) controllable, 1 special channel unscannable finger
- 50 - 80 fingerprints, incl. a max. of 9 administrators

#### **Advantages**

- Secure access control
- Fingerprint cannot be reproduced
- Convenient
- You always have your fingerprint with you
- Reliable prevention of unauthorised access
- Hacking or interception of the radio signal effectively impossible
- Individual fingerprints can be deleted without the user having to be present

# ENTRAcode<sup>+</sup>

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*Access control system with  
individually programmable  
numeric code*

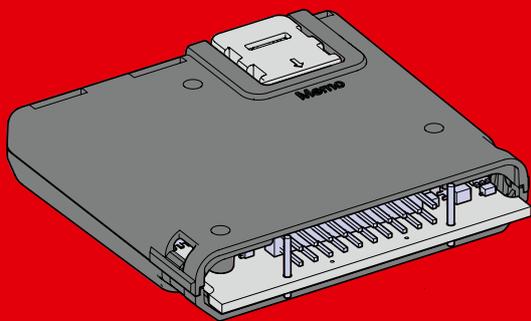
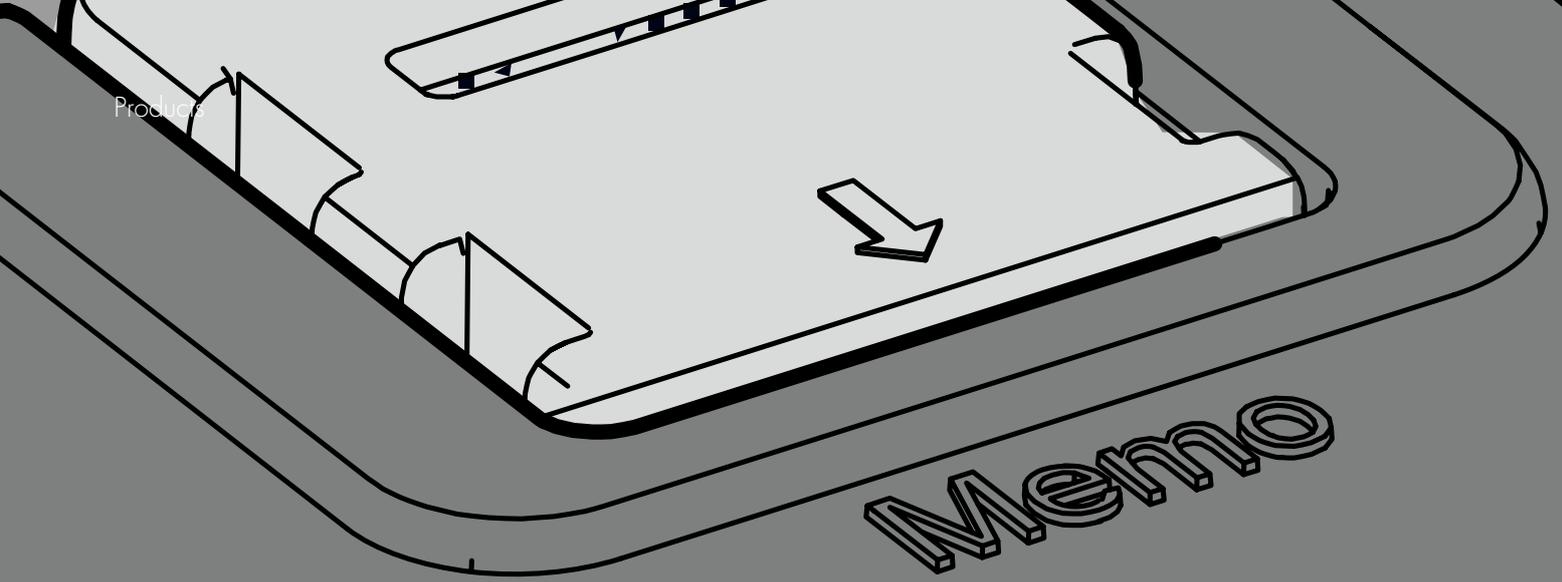
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The radio code keypad ENTRAcode<sup>+</sup>, which has an identical housing to ENTRAsys<sup>+</sup>, opens doors upon input of a code of between 4 and 8 digits. Access codes can be changed at any time and reset in the event of loss using the master PIN code.



**Technical data**

- 8 - 24 V AC/DC
- Operation with 6 V DC battery possible
- Radio FM 868.95 MHz SOMloq2, 128 bit AES encryption
- 4 - 8-digit codes possible
- 1 / 5 radio channels (targets) can be controlled (Easy / Profi mode)
- Available as a surface- or flush-mounted box



# SOMup4

*Simple switch to SOMloq2*

With the 4-channel radio receiver module SOMup4, you can switch to SOMloq2 and compatible control units can also be SOMloq2-enabled. In this way, you can utilise the benefits of the radio system, e.g. maximum secure encryption, Autorepeat function, high function range and feedback function via vibration.

### Advantages

- Compatible control units (industrial door operators, twist, RUNner and SP900) can be SOMloq2-enabled by replacing the existing receiver with a SOMup4
- Security through AES encryption, memory expansion via Memo, convenience via feedback vibration and Autorepeat, for example



### Overview of the compatible sliding gate operators and swing gate operators:

#### twist 200E

- S11520-00001 set 1-wing
- S11521-00001 set 2-wing

#### twist 200 EL

- S11522-00001 set 1-wing
- S11523-00001 set 2-wing

#### twist 350

- S11524-00001 set 1-wing
- S11525-00001 set 2-wing

#### twist XL

- S11526-00001 control unit

#### RUNner

- S11566-00001 set

#### RUNner<sup>+</sup>

- S11567-00001 set

#### SP900

- S11568-00001 set

#### S900

- S11569-00001 set



## LUMI STRIP

*LED lighting elements for easy retrofit and installation*

The new LUMI Strip lighting elements open up numerous new applications, both in private garages and in public car parks. Lumi Strip can be retrofitted at any time, is flexible in use, can be quickly installed and is extremely energy efficient thanks to its LED technology. The flat lighting elements in the plastic housing have an attractive design and come with an 8-metre supply line.

With Lumi Strip lighting, the circuit board with 6 LEDs (cold white) is provided for lighting and as a design feature. It can be used in a number of applications, e.g. for garage door operators or sliding gate operators. In addition, there is also the Lumi Strip circuit board with 6 LEDs in cold white and 6 LEDs in orange with an integrated warning light in yellow/white. It can be used in garage door operators, sliding gate operators, barriers, etc. The Lumi Strip is also available as a traffic light in red/green.



## SOMcom4

*4-channel radio receivers for SOMloq2 with relay outputs*

The 4-channel receiver SOMcom4 is designed for exterior areas, and is thus suitable for outdoor applications, special solutions and retrofits. It can be used universally for various modes of operation. With the Memo slot, additional memory can be generated with accessories. The SOMcom4 is also compatible with the SOMlink service interface. Commissioning is fast and easy thanks to the convenient user interface.

### **Advantages of the SOMloq2 radio system**

- Feedback via relay status
- Feedback on whether command was processed (vibration function)
- Different operating modes possible
- Memo slot with expansion to 450 memory positions if required
- SELV voltage range; wiring can be carried out by the customer for applications up to max. 24V





# BARRIERS

*With SOMloq2 control unit*

The SOMloq2 barrier made from high-quality aluminium now comes with all the benefits of the secure SOMloq2 radio. The bidirectional radio enables numerous additional functions that make day-to-day running more convenient. It offers numerous connection options and diverse accessories. Easy to install thanks to the convenient, sloped mounting of the control unit, mounting plate with C rail for mounting of accessories (e.g. induction loop detectors).

## Advantages

- No relay installed, longer durability
- Convenient spring clamp terminals instead of screw terminals
- Connecting cables with LEDs, e.g. for visual error analysis
- External warning light/status LED with flash codes for error analysis without SOMlink
- Basic functions can be set via DIP switch
- Bidirectional radio 868.95 MHz SOMloq2, 128 bit AES encryption, 4-channel
- SOMlink service interface with product-specific web menu
- Top hat rail for mounting of accessories
- Convenient control unit position facilitates installation and error analysis
- Certified operating forces

## Connection options

- Photocells, 2-wire and 4-wire
- 2 x induction loops
- 12V and 24V connection
- Targeted OPEN/CLOSE/STOP and EMERGENCY STOP button
- Alarm input
- Warning light
- Timer
- Red traffic light

## Additional accessories

- 2 x multi-function relay
- Memo
- Lumi Strip
- Warning buzzer
- Accu
- SOMlink

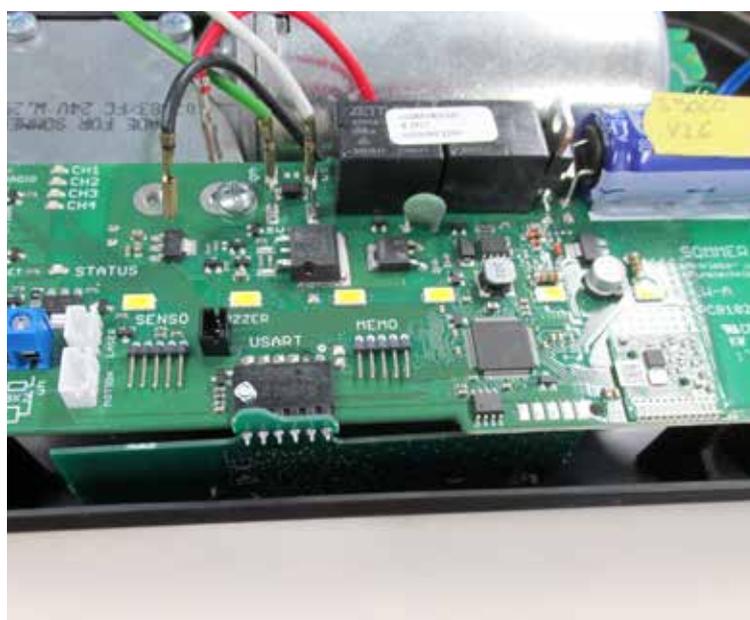




# ENDURANCE RUNNER

*Runs and runs and runs*

The testing institute ift Rosenheim subjected the garage door operator S9060 base<sup>+</sup> in combination with a DOCO HOME system to an endurance test. The operator passed the extreme test without any problems and achieved an incredible 125,000 cycles. This is impressive proof of the high quality of our operator technology.



# DeltaDore X3D MODULE



The innovative DeltaDore X3D module extends Smart Home applications in the area of operators: It brings together the X3D radio technology developed by Delta Dore with our new GTA generation, thus integrating the operators into the existing Smart Home system. The connected operators can then be conveniently operated via the Delta Dore app.



# THE NEW EXPANDABLE CONTROL UNIT

## *GIGAcontrol T<sup>+</sup>*

- New control unit GIGAcontrol T<sup>+</sup> upgradeable to automatic control unit. For use with: Sectional door operators, roller door operator 140 Nm
- New design: Black housing; film in black/red/silver
- Message LED



## *GIGAcontrol TA*

- Expandable dead man control unit (GIGAcontrol T<sup>+</sup>)
- SOMloq2 compatibility
- Gate status display
- Administration and extended functions can be controlled via app
- Automatic detection of safety devices
- Pluggable relays (functions programmable via app)
- Pluggable external command device (board connector)
- Narrow housing
- Short-circuit-proof inputs
- Integrated radio receiver
- Simple and safe installation through pluggable spring-type terminals

# ENERGY MANAGEMENT

*Successful introduction  
in compliance with DIN ISO 50001*

The SOMMER Group launched its energy management system, or EnMS for short, over the last two years in accordance with DIN ISO 50001. With the launch of the ENMS, the SOMMER Group is striving to continuously reduce its energy consumption. The ISO-50001 test certificate is a testament of the SOMMER Group's energy awareness.

With a certification, the SOMMER Group can score points on several points:

- Reduced CO2 emissions
- Contribute to a better energy balance through energy efficiency measures
- Create awareness among employees, service providers and suppliers
- Increase economic efficiency by reducing energy costs

Aims of energy management system (EnMS) as per ISO 50001:

- Transparency of all energy flows in the company
- Discovery of cost savings potential
- Systematic improvement of energy use, energy consumption and energy efficiency
- Process optimisation
- Contribution to reduction of CO2 emissions
- Implementation and guarantee of conformity of our energy policy
- Communication of conformity to interested parties





# FIRST OF ITS KIND

*Groke develops power supply  
via door hinges*

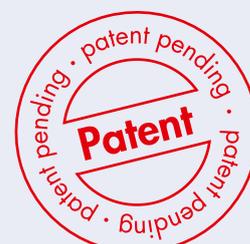
Many modern entrance doors need a power supply in the door leaf for electronic door locks, fingerprint scanners and other access systems or integrated lighting. In cooperation with SOMMER, Groke has developed a new system for the power supply of doors. This first of its kind comes without complex cabling or spring contacts that would be susceptible to wear, with power being supplied via the door hinges.

## MODE OF OPERATION

The system is easily integrated into existing hinge systems – all they need is an insulated support bolt. Conductive contact elements are integrated into the door leaf hinges and frame hinges in a manner that is space-saving and without any notable change to the design. Electrically conductive bolts transmit the current between the door leaf hinge and the frame hinge. The system works on the basis of "Plug and Play", i.e. individual elements contact automatically when the door leaf is mounted and no electrical installation work is required. If needed, data can also be transmitted. Thanks to the use of existing design elements, the cable is not noticeable and the mobility of the door leaf is not restricted by the cable sections. The power supply is retained when the door is open or closed and corrosion to conventional contact elements is eliminated. This system will be launched on the market by SOMMER in the future and offered to all interested door manufacturers.

### Advantages

- Plug and Play
- Fast mounting and removal of the door leaf without needing to consider or install electrical connections.
- No change to height adjustability and any angle of rotation
- Wear-free and maintenance-free power transmission system
- Continuous, uninterrupted power supply
- Data transmission if required
- In the event of a failure, easy to check and easy to replace
- Easy to integrate into existing hinge systems



## GROKE EXPANDS ITS PRODUCTION DEPTH

In January 2018, Groke acquired parts of the company Frontglas, which was in the process of being liquidated. Groke thus considerably extended its production capacity in the area of glass processing. With the expertise and technical skills of the new specialists and production opportunities, a range of glass designs, glass workmanship and house door finishes have now been added to the Groke portfolio.





## THE DIGITAL PEEPHOLE

*Inconspicuous and effective protection  
from uninvited guests*

The new digital peephole from Groke has a high-resolution camera integrated into the door handle. The high-resolution camera, which is practically invisible from the outside, sends razor-sharp images to the display. Special wide-angle optics enable an excellent detection angle and give a perfect all-round view of the entrance area.

The display on the inside can be recessed or surface mounted and be positioned so that it can be clearly seen by children and people with physical disabilities. The peephole is weather-proof (degree of protection IP65) and is battery-operated, which means that it can be quickly and easily installed.

# NEW WALK- THROUGH DOOR

*Secure locking, simple transport,  
fast installation*

A new walk-through door to complement the HOME private door system is being presented by Doco International at the R+T 2018 in Stuttgart. The walk-through door is distinguished by high-quality components and can be quickly and easily installed. Specially developed safety clamps guarantee simple and safe transport and enable the pre-assembled door to be installed with the sectional door as part of a package.

## TRIP-PROOF ACCESS, DURABLE FLOOR SEAL

The Doco walk-through door is the latest product of a growing range of solutions for private and industrial doors. It is characterised by its state-of-the-art, lean design and a high-quality workmanship. The floor seal was developed in close cooperation with the house door specialist Groke from the SOMMER Group. The door closes with a tight seal, while also being weather-proof and very durable. Special plastic flaps are used to cover the front of the threshold and these can be installed quickly and easily. For secure and convenient access, the threshold is low and virtually trip-proof.





### SECURE FIT, PRECISE FINE ADJUSTMENT

Two-point door catchers with ball bearings are used to ensure that the door is securely fitted when closed in the sectional door. The hinges can be adjusted from the inside, thus enabling simple and perfectly precise installation and fine adjustment of the door. A safety contact strip, which was developed together with SOMMER door operators, prevents the door from moving due to the operator when the walk-through door is not completely closed. Installation is easy and the cables are hidden in the aluminium profiles so that they cannot be seen.

### SAFE TRANSPORT WITH SPECIAL CLAMPS

If the sectional door is to be delivered with a pre-assembled walk-through door, this must be secured with specially developed transport clamps. The door panel can thus be safely transported with the door as a compact package.

**SOMMER**