

GEIGER-LOXONE

Sun Protection and Smart Home

The alliance



The name GEIGER Antriebstechnik is synonymous worldwide for drive solutions in the sun protection area.

Today we are with more than 300 employees one of the leading manufacturers of mechanical and electrical drives for Venetian blinds, awnings and rolling shutters.

GEIGER is a well-known, mid-sized company which offers worldwide drive components for the sun protection systems.



Loxone Electronics, founded in 2009, has revolutionized with his green Miniserver the Smart Home market. Located in Kollerschlag, Austria, Loxone today counts with more than 250 employees at 12 locations to one of the fastest growing companies in the sector.

With the Miniserver-based home automation, the Loxone Smart Home provides hardwired and radio-controlled components in order to monitor and control the house.

This alliance represents the union of two strong partners characterized by their innovative thinking together with high quality awareness and extensive experience in their field.

Both companies have in the past repeatedly set trends and influenced the market.

The goal of this alliance is to integrate the intelligent sun protection into the Smart Home to significantly increase comfort and energy efficiency.

For the user it is much easier and smarter to control light and shade than ever before – according to weather, season and outdoor temperature.

Smart Home customers can for the first time control the sun protection with the same high precision that was previously limited to heating, light or access control.

GEIGER-LOXONE: enjoy all advantages!

Advantages for the manufacturers

- ▶ Enhance your products with more values.
- ▶ Increase the intelligence and quality of your products.
- ▶ Increase the well-being of the user.
- ▶ Turn the sun protection into a luxury product.
- ▶ GEIGER AIR products, training and service directly from GEIGER.

Benefits for the dealers

- ▶ Increase your profit margin.
- ▶ Set yourself apart from your competitors.
- ▶ Motivate your sales team with a trendsetting product.
- ▶ Make best use of the Smart Home trends in the building market.
- ▶ Smart Home products, training and service directly from LOXONE.

Benefits for the end users

- ▶ Invest in future-proof sun protection.
- ▶ Start with a small solution and extend at any time with the Smart Home extensible solutions.
- ▶ No dependence on sun protection manufacturers and their Smart Home solutions.
- ▶ Broad approach with the comprehensive Smart Home concept.

Extension levels – Modular system

The stand-alone-solution with classic operation GEIGER AIR

The new radio concept GEIGER AIR has been designed for the integration of the sun protection drive. GEIGER AIR is a bidirectional radio system. With this system it is not only possible to send orders from the transmitter to the motor but also to receive and evaluate feedback from the motor.

Each wireless command is acknowledged when executed, which eliminates sources of error. You can also control the position of the sun protection and check the possible presence of an obstacle. Moreover, each motor serves as amplifier (Mesh technology). The use of mesh networking means that you have a much

larger coverage area than other wireless standards. Commands and messages are sent from the sender to each available AIR motor which can act as a router and pass the signal on to other devices. The range of the radio system increases by a multiple.



For building renovation Miniserver GO + GEIGER AIR

The easy solution for the modernization or retrofitting of buildings. Along with Smart sockets, smoke detectors and heating valves from the Loxone AIR range, up to 126 GEIGER AIR motors can be connected and controlled through

the integration of a Loxone Miniserver GO for a compact Smart Home Control. Energy for heating and air conditioning can be saved depending on the season and the sunlight. At the same time by using the LOXONE Miniserver GO the

sun protection can be operated via Smartphone, Tablet or PC - even if the customer is not at home.



For new buildings or comprehensive building renovation Miniserver + AIR Base Extension + GEIGER AIR

At this configuration level, just everything is possible.

The Smart Home automatically detects situations such as presence, temperature, weather, fire, intrusion, sunset and even more. It knows autonomously what to do and makes your home intelligent. When nobody is home, the Smart home is still busy: switching off energy

guzzlers, turning down the temperature, activating the alarm in case of burglary or fire, shading by hot weather. It helps - without assistance - to save energy: for example, lowering the temperature in rooms that are not being used, switching off the light automatically after some time, turning off energy guzzlers etc. ...

At the same time by using the LOXONE Miniserver with the AIR Base Extension the complete Smart Home can be operated via Smartphone, Tablet or PC – even if the customer is not at home.



What means Smart Home Ready?

The GEIGER motors, series SOLIDline AIR, are compatible at each expansion level with the LOXONE Miniserver-based Smart Home System.

The motors can be connected via radio at any time with a Miniserver. No time-consuming and labour-intensive laying of control lines is needed.

The GEIGER AIR products and all Loxone products such as heating regulators, smoke detectors, radio sockets and lighting controls (and many more) can be combined together to create a Smart Home Control.

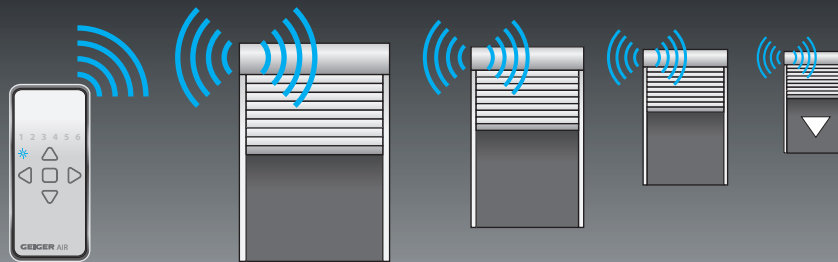
Bi-Directional

Unidirectional radio



The new radio system GEIGER AIR is a bidirectional radio system with Mesh technology. The orders sent to a motor are confirmed after execution. Errors

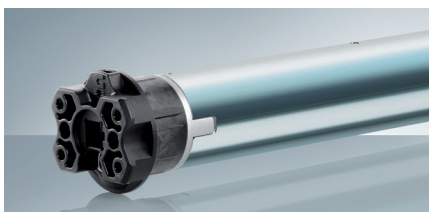
GEIGER AIR: bidirectional radio with mesh technology



that may occur are also reported. Each motor also works as a wireless signal repeater. This means that having multiple motors guarantees a wireless

coverage across the whole house, which makes it easy to overcome construction-related constraints such as thick concrete walls.

GEIGER AIR product presentation



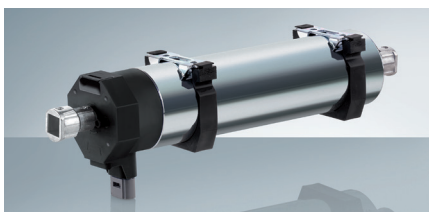
SOLIDline AIR motors for rolling shutters and awnings

GEIGER tubular motor (Ø 45 mm) with AIR radio technology. Available from 10 to 50 Nm. Adaptor and driver for all current shafts. Plug-in connection cables.



Handheld and wall transmitters LC AIR

Classic operation for sun protection systems. For individual or grouped control of one or several sun protections.



Venetian blind motor GJ56.. AIR

GEIGER Venetian blind motor (Ø 55 mm) with AIR radio technology. Available from 6 to 20 Nm. Fixation systems for all current head rails and axle heights. Plug-in connection cables.

LOXONE AIR product presentation



The range of LOXONE products is constantly expanding.

Visit the LOXONE online web shop under www.loxone.com
With Loxone you will find everything you need for your smart home.
Order now high quality sensors, the Loxone Intercom, Music Server, LED strips, ... directly from Loxone.