



KNX Radio Frequency (KNX RF)

Products

KNX RF S-Mode Products

KNX RF Motor Control Unit



ELSNER The KNX RF-MSG-ST motor control unit integrates the drive of a shading element or window into the KNX bus system via radio. The standard used is KNX RF S. The unit is easily plugged between drive and voltage supply with its STAK/STAS connectors. The integration is realized with the ETS. In the application program, the function of the control unit can be adapted to the drive in detail, for example by setting the mechanism dead times. The movement time of the connected drive is automatically determined by current measurement. The KNX RF-MSG-ST triggers drive positions and scenes and has got short time and movement limitations.

Contact: www.elsner-elektronik.de

KNX RF Remote Control Remo

ELSNER Remo KNX communicates according to the KNX RF standard and can be used for various functions in the KNX system. The Red Dot 2017 awarded wireless hand-held transmitter has a flat and handy shape. The touch display is activated automatically when the hand-held transmitter is picked up (vibration recognition). The well-arranged screen surface provides an overview for the operation of up to 32 radio components. For example, light is dimmed or shading elements are positioned with a finger's touch. After the setup in the ETS, the user can change the names for the radio channels directly in the display. The individual adaptation of the names is thus possible at any time and independently of the integrator.

Contact: www.elsner-elektronik.de



Media Coupler KNX RF LC-TP: Interface between wire and radio



ELSNER The KNX RF LC-TP media coupler supplements existing or newly installed KNX TP systems with the KNX RF KNX RF standard. The media coupler is the interface between wire and radio and enables bidirectional data exchange between wired (KNX TP) and wireless (KNX RF) KNX devices. It forwards the telegrams received via radio or wire and displays addressing, bus load and telegram flow between source and destination addresses. Due to its size of 55 x 55 mm, it fits in standard frames.

Contact: www.elsner-elektronik.de



Gira KNX RF Push Button 1-gang & 3-gang

GIRA The Gira KNX RF push-button sensors in System 55 are an excellent fit for the Gira switch design. There are a variety of KNX functions such as switching, dimming, blinds, value transmitter and scene functions available. The feedback is via a 2-color LED display. The devices are battery operated, so that the control points can be installed anywhere - not only on walls of stone, concrete or wood but also with the help of a support plate on smooth or even transparent surfaces such as glass doors, window panes or fix furniture surfaces.

Contact: www.gira.de

Gira KNX RF/TP media coupler or RF Repeater

GIRA The Gira KNX RF / TP media coupler is used to connect KNX RF components to the KNX TP system. There is no need to use a complicated and expensive gateway which must be programmed separately with its own software. All devices can be put into operation in the familiar way via the ETS 5, just like bus-wired KNX products. If, due to difficult construction conditions, the radio range is insufficient, the Gira KNX RF / TP media coupler with the additional function "Repeater mode" can be used to increase it.

Contact: www.gira.de



KNX RF Data Interface (USB stick)

GIRA By means of the Gira KNX RF data interface (USB stick), individual KNX RF products as well as the complete KNX system, including the KNX TP products via the Gira KNX RF / TP media coupler, can be put into operation and maintained by radio. It allows comfortable and wireless access from a PC or laptop to a KNX installation - for addressing, programming and diagnosis via ETS 5 or for operation with the appropriate PC tools.

Contact: www.gira.de

GIRA KNX RF Remote Control 2-gang & 4-gang

GIRA The Gira KNX RF hand transmitters allow convenient operation of the building control system. The hand-held transmitters are not tied to a fixed installation location but can be flexibly included anywhere in the building where they are needed. Thus, the KNX system can now be operated from the desk or sofa. There are a variety of KNX functions such as switching, dimming, blinds, value transmitter and scene functions available. The feedback is via a 2-color LED display.

Contact: www.gira.de





Wall Transmitters F40 and F50

JUNG The perfect solution wherever no bus cables can or should be laid: the KNX RF F 40 and F 50 Wall Transmitters in the JUNG switch design. These high-performance, flat structured transmitters can be located anywhere you like in the room, on plaster, wood, glass or other surfaces. They are simply fixed with adhesive to the desired location – with minimum effort. The individual keys for allocating each function can be individually labelled using the JUNG Graphic Tool. Any addressing, parametrising and diagnosing is carried out through the KNX wireless USB stick or through the KNX USB data interface. The new JUNG media coupler takes over the connection between KNX and wireless systems.

Contact: www.jung.de

Media Coupler

JUNG The JUNG media coupler with built-in line coupler capability forms the interface between cabled and wireless operated components in the KNX system. The device can also be used as a repeater. No bus connection is necessary for this, as the 24 V power supply is sufficient.

Contact: www.jung.de



KNX RF+ Glass Push Button 8-fold Plus with Actuator, RF-GTT8W.01

MDT The RF+ radio glass push-button has 8 sensor surfaces and LED for operating and status indication. A circulating white orientation light can be individually selected via a day/night object. The keys can be freely set as a button pair or individual buttons. The glass push-button includes a temperature sensor for measuring room temperature. The functions of the RF+ radio glass push-button are switching, dimming, shutter control, value sending and forced control. Integrated relay contacts allow the operation as a 4-fold switching actuator or a 2-fold shutter actuator. The glass push-button is particularly suitable for modernisation in residential buildings without laying bus cables.

Contact: www.mdt.de



KNX RF+ Socket 1-fold, 16 A, 230 V AC, RF-AKK1ST.01

MDT The RF+ radio socket is supplied as an intermediate plug and functions as switching actuator with a maximum current of 16A ohmic load and 10A at 21µF/3 ECGs. The RF+ radio socket works in normally opened and normally closed mode. Time functions such as switch-on/switch-off delay and staircase lighting functions are available. An active or passive feedback function is selectable. Logical operations, 8 scenes per channel, central functions and locking objects with forced control are also available. The connection of the RF+ radio socket is done via the MDT KNX RF+ radio line coupler. MDT provides 3-year product warranty.

Contact: www.mdt.de





KNX RF+ Universal Interface 2-fold, flush mounted, RF-BE2230.01

MDT The new KNX RF+ universal interface 2-fold is suitable for the connection of 230V push-buttons, switches and motion detectors. During the modernisation of residential buildings, this offers the possibility to get along without laying bus cables. The functions of the universal interface are switching, dimming and shutter control. These can be set in one- or two-button operation. Additional functions like send value, forced control, integrated pulse and switch counter, 4 logic modules as well as cyclical sending are available. The connection of the RF+ radio socket is done via the MDT KNX RF+ radio line coupler. MDT provides 3-year product warranty. *Contact: www.mdt.de*

KNX RF Media Coupler MECrf

TAPKO TECHNOLOGIES MECrf is a KNX line/area coupler that connects the KNX RF subline to the KNX TP main line. Its ability to process long messages is a precondition for KNX Data Secure telegrams that guarantee safe commissioning. To prevent access from subline to main line, MECrf can block device-oriented messages from the subline. The Function button for temporary deactivation of message filtering is improving the comfort and reliability of this device. This way, access to other KNX lines is possible without download from the ETS. After a user-defined period of time, MECrf switches back to normal operation. A clearly arranged LED display indicates filter status, busloads and any faulty communication. For further improving the reliability and comfort of MECrf, see our KNX RF Field Strength Analyzer App for ETS. *Contact: www.tapko.com*



RF Detection by KNX RF Field Strength Analyzer App for ETS

TAPKO TECHNOLOGIES With the “KNX RF Field Strength Analyzer” app, KNX RF FSA, you get the grip on the innate uncertainty of KNX RF installations. Detecting signal strength indicators (RSSI) of all user-selected RF devices and displaying them by a colored matrix makes testing and debugging of KNX RF device connections easier than ever before. Deficits of a KNX RF installation are easy to identify by observation of device RSSIs. The app is also able to measure the area coverage of all activated repeaters to avoid future problems. TAPKO’s KNX RF Field Strength Analyzer App is all one needs to successfully commission a KNX RF installation. The App is available at www.knx.org. *Contact: www.tapko.com*



USB RF Interface UIMrf is providing a data connection to KNX RF

TAPKO TECHNOLOGIES The UIMrf establishes direct PC access to KNX RF S-mode devices. With the ETS, the handy USB stick works as the programming interface for KNX RF. UIMrf finds use also for visualization, protocolling, and diagnostic applications. Any software based on FALCON (ETS, EITT, ...) is able to communicate with the connected RF devices via the cEMI protocol. With use of a TP RF media coupler access to the KNX TP installation is possible. UIMrf is able to process long messages. Due to HID profile support no specific USB driver is required. For special diagnostic software the operation mode Raw Frames is available. UIMrf ensures easy software handling also under operating systems like Linux. *Contact: www.tapko.com*





KNX RF Push Button Insert 440 secure

WEINZIERL The KNX RF Push Button Insert 440 secure offers KNX Data Security and mechanically fits numerous switches available on the market. Especially the soft and soft keystroke allows the installation in bedrooms and living rooms. It is supplied by a standard battery type CR2032. The built-in USB port (Micro-USB type) allows a wired configuration of the device. Of course, the device can also be configured wirelessly with the ETS5. *Contact: www.weinzierl.de*

KNX RF USB Stick 340

WEINZIERL The KNX RF USB Stick 340 allows the configuration of KNX RF devices directly from the PC. In conjunction with a KNX TP/RF Coupler, the stick also allows convenient access to the entire KNX installation. This way, wired KNX devices can be configured wirelessly from the laptop using the stick.

Contact: www.weinzierl.de



KNX RF/TP Coupler 672

WEINZIERL The compact KNX TP/RF Coupler 672 fits in a standard flush-mounted box and establishes the connection between KNX radio and the KNX bus. Multi-colored LEDs indicate the current operating status of the device.

Contact: www.weinzierl.de



KNX-RF – Selfpowered Lightswitch

ZF Friedrichshafen AG presents the world's first selfpowered KNX RF switch module – configurable via ETS5. Regardless of whether it's being used as a light switch or as a shutter switch – this wireless module is easy to integrate. With the ability to communicate without the need for a gateway, it provides many potential applications. The module is a maintenance-free RF solution – no cables, no batteries! The wireless switch module comes ready to install. It is compatible with standard frames and can also be combined with customer-specific designs.

Contact: www.switches-sensors.zf.com

RF media coupler

ZF At the Light + Building ZF presents their new RF media coupler. This ZF model provides a connection between KNX-RF and KNX bus lines. Focus is on easy commissioning of a KNX system. The temporary access to other lines is possible without download from the ETS. In addition, a wrong communication on the bus is indicated through LEDs. You can see this new ZF product at their booth hall 9.0 #B54 or in the KNX area. For purchase of ZF's KNX products please look at the partner list on the website or send an e-mail to switches-sensors@zf.com

Contact: www.switches-sensors.zf.com





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