



Remote Control Remo KNX RF

Item number 70746



1. Description

The colour touchscreen of **Remote control Remo KNX RF** can be used to manually to control bus participants in the KNX system. **Remo KNX RF** uses the KNX RF S standard. The possible functions are

- Switching
- Dimming
- Moving the drives of awnings, shutters, blinds or windows
- Changing the temperature (for heating/cooling)
- Calling and saving scenes.

The channels are set in the ETS. However, they can always be individually sorted and named on the display.

Functions:

- Operation via the touch display
- Lithium battery, chargeable via a USB-2.0 Micro-B charger (Charger No 10155 as an optional accessory)
- 32 channels, wireless standard KNX RF, S-Mode
- The touch buttons can be named individually, directly on the device or in the ETS
- The display sequence can be changed directly on the device

Configuration is made using the KNX software ETS 5. The **product file** can be downloaded from the ETS online catalogue and the Elsner Elektronik website on **www.elsner-elektronik.de** in the “Service” menu.

If communication with wired KNX devices (KNX TP) is necessary, a media coupler that connects KNX RF and KNX TP is needed (e.g. KNX RF LC-TP No 70710).

!

ATTENTION!

Radio transmission takes place on a non-exclusive transmission path!

The device is not suitable for applications in the field of safety engineering, e.g. emergency stop, emergency call.

!

Moisture is harmful to the electronic components of the remote control. You must therefore:

- **Not leave it in the rain**
- **Not leave it outside overnight**
- **Protect it from frost**

1.0.1. Deliverables

- Wireless remote control with integrated battery

1.1. Technical specifications

Housing	Plastic
Colour	black
Protection category	IP 40
Dimensions	approx. 64 x 122 x 11 (B x H x T, mm)
Display	colour TFT, capacitive, dimmable, resolution 320 x 480 Pixel
Weight	approx. 100 g
Ambient temperature	operating 0...50 °C, storage -10...+60 °C
Ambient humidity	max. 95 % RH, avoid condensation
Operating voltage	integrated battery 3.8 V DC
Wireless frequency	868.2 MHz
Channels	32
Data output	KNX RF (S-Mode)
BCU Type	own micro controller
PEI Type	0
Group addresses	max. 512
Assignments	max. 1024
Communication objects	384

The product is compliant with the provisions of EC guidelines.

1.2. Notes on wireless equipment

When planning facilities with devices that communicate via radio, adequate radio reception must be guaranteed. The range will be limited by legal regulation and structural circumstances. Avoid sources of interference and obstacles between receiver and transmitter, that could disturb the wireless communication. Those would be for example:

- Walls and ceilings (especially concrete and solar protection glazing).

- Metal surfaces next to the wireless participants (e. g. aluminium construction of a conservatory).
- Other wireless devices and powerful local transmitters (e.g. wireless headphones), which transmit on the same frequency (868,2 MHz). Please maintain a minimum distance of 30 cm between wireless transmitters for that reason.

2. First use/set-up

2.1. Loading the battery, transport block



First, charge the integrated battery of the remote control with a standard commercial USB charging device (USB 2.0 Micro B connector). Charging will reset the transport block that is active on delivery. The remote control can be used only once it is connected to the power supply via the charging cable.

If necessary, the transport block can be reactivated within the *System* menu (see manual, chapter *System*).

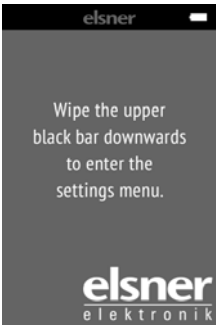
The battery of the device cannot be removed or replaced. When disposing of the device, observe the guidelines for disposing of devices with an integrated battery.

2.2. Protective film

Remove the protective film from the display.

2.3. Set-up procedure

1. Required: Configuration of the channels in the ETS (version 5 and later).
See manual, chapter *Setting the channels in the ETS*.
2. Required: Programming the device
See manual, chapter *Programming the remote control*.
3. Optional: Change the names and the channel sequence in the *wireless channel configuration* menu.
See manual, chapter *Wireless channel configuration*.



Display view during first set-up

3. Using the remote control

3.1. Automatic switch-off

The display of the remote control switches on when the device is moved (e.g. if the remote control is picked up) and switches off again after several seconds to save energy. The time until switch-off can be set in the *Display* menu (see Chapter “Display” auf Seite 1).

3.2. Display

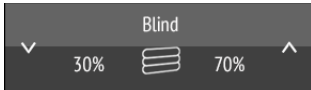
The display shows all channels one after another. The sequence can be changed in the *Wireless channel configuration > Change channel order* menu (see manual, Chapter *Change channel order*).

If more than five drives/devices are taught, the display uses several pages to show them. Use the **Up/down** arrow buttons to change page.

3.3. Operating drives and devices

3.3.1. Moving drives (Up/Down)

Shutter, blind, awning or window



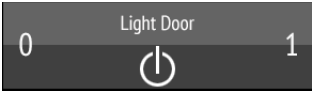
Tap on the **up or down arrow** to position the drive.

The reaction of the buttons to the short tap/longer holding, as well as the display of the position, depends on the settings in the ETS.

The position of the drive is shown in the button, left of the symbol, if the ‘Feedback’ setting was activated in the ETS. With shutters, the slat position can also be displayed (right side of the symbol).

ETS settings, see manual, Chapter *Channel 1...8*, sections about *shutters, blinds, awnings or windows*.

3.3.2. Switching devices on/off



Tap1 to switch on. Tap0 to switch off.

If the ‘Feedback’ setting is activated in the ETS, the status reported by the bus (on/ yellow symbol or off/grey symbol) is displayed. Otherwise, there is no feedback for the status.

For ETS settings, see manual, Chapter *Channel 1...8*, section *Switching*.

3.3.3. Dimming



A shorter tap on + switches on, tapping on - switches off.

A longer tap on + adjusts the light to a brighter setting, holding -, to a darker setting. If you release the key, the brightness stops changing.

The time interval between short and long and other parameters are set in the ETS. If the ‘Feedback’ setting is activated in the ETS, the status reported by the bus (on/ yellow symbol or off/grey symbol) is displayed. Otherwise, there is no feedback for the status.

The dimming percentage is shown in the button, left of the symbol, if the ‘Feedback’ setting was activated in the ETS.

For ETS settings, see manual, Chapter *Channel 1...8*, section *Dimming*.

3.3.4. Changing temperature

Adjusting heating or cooling

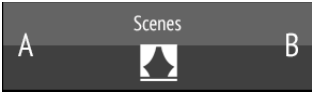


Tap+ to increase the target temperature.

Tap- to reduce the target temperature.

The current target temperature is shown in the button, left of the symbol, if the ‘Feedback’ setting was activated in the ETS (always for temperature objects). The way the temperature change takes place is set in the ETS. **For ETS settings,** see manual, Chapter *Channel 1...8*, section *Temperature*.

3.3.5. Scenes



Each scene button is used to control two scenes: The left button half for one, and the right button half for the other scene.

Tap a button half for a short time to **call the scene**.

Holding it longer saves the scene in the current state (e.g. movement position, dimming level etc.), provided this function was activated in the ETS.

For ETS settings, see manual, Chapter *Channel 1...8*, section *Scene*.

4. Care and maintenance

Please carefully clean the remote control with a damp cloth. Do not use detergent.

4.1. Troubleshooting

Problem: The display is off, the remote control does not react:

Cause	Procedure
Transport block active	Please connect the remote control to the power supply using a charging cable. This deactivates the lock.
Battery not charged	Please connect the remote control to the power supply using a charging cable to charge the battery. The charge status is shown with the battery symbol at the top right corner of the operation pages.

Problem: The display is on, the device/drive does not react to button presses:

Cause	Procedure
Wireless contact has been lost, transmitter is too far away from the receiver	Choose another location
No voltage to receiver unit or faulty receiver unit	Switch on the receiver unit (e.g. the control unit). Should wireless contact still not be established, please contact Customer Service