

TRANSMITTER REGISTRATION (PAIRING) IN THE SYSTEM

You need to register the transmitter in the EXTA LIFE system to:

- remotely bind transmitter inputs to specific EXTA LIFE receivers (without physical access to the receivers),
- bind a specific input to playback scene(s),
- use a button connected to a transmitter input as a condition to execute a logical function.

To register the transmitter in the EXTA LIFE system, connect the EXTA LIFE controller and install the EXTA LIFE mobile app. The transmitters are saved as registered in the EXTA LIFE system only if they have been successfully paired with the EXTA LIFE controller. Procedure:

- Launch the EXTA LIFE mobile app and open the Devices screen.
- Select the Transmitters tab and press the "+" button to start discovering the remote controls. The discovery takes up to 60 s. You can terminate it early by pressing Stop. To find the transmitter, trigger any of its inputs during the discovery. If the transmitter is in range of the EXTA LIFE controller, it will appear on the on-screen list with its default icon and name, which is the transmitter model (RNP-22) with its six-digit ID in the suffix. You do not need to stop the discovery to register more than one transmitter/remote control.
- Once the discovery has been completed or stopped manually, check the selection boxes next to the discovered transmitters on the list to choose those you want to pair with the EXTA LIFE controller. You can check more than one transmitter with the selection boxes. You can use the pop-up menu to modify the transmitter's name before pairing.
- Press PAIR to pair the selected transmitters. The selected transmitters will be paired with the EXTA LIFE system after a short moment and appear in the Transmitters tab.
- A default icon is assigned to each paired transmitter.
- You can pair one transmitter at a time; once PAIR has been pressed, you can assign a new name to the transmitter. When pairing more than one transmitter at the same time, they will be saved under their default names.
- You can also modify the default names of the RNP-21 transmitters once they have been paired.
- Only when paired can the transmitter be used to set up the EXTA LIFE system configuration (remote assignment of receivers, scenes or logical functions).

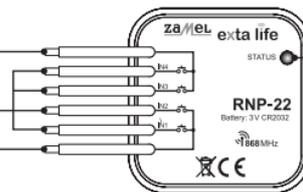


OVERVIEW

Trigger wire (COM)

Trigger input wires

Trigger wire (COM)



Signalling LED: green (transmission / battery level)

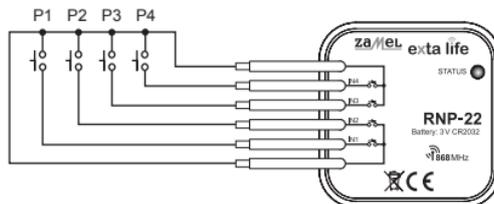
DESCRIPTION

The RNP-22 transmitter enables wireless control of EXTA LIFE system receivers. It is designed to implement such functions as turning on/off lighting, adjusting illumination, opening/closing roller shutters and garage doors. The transmitter is designed for installation in flush mounting boxes (min. Ø60 mm) under existing equipment. It enables the use of electrical installation equipment from any manufacturer and causes no restrictions to the interior design and nature. The transmitter is battery-operated, so it can be installed in any location. It has four inputs, which enables independent control of up to four system receivers (channels). The triggering is achieved by closing the given input with the COM wire of the transmitter. The built-in LED signals transmission, which is encrypted to ensure safe control.

FEATURES

- 4-input (4-channel) radio transmitter,
- remote control of EXTA LIFE system receivers,
- capable of independent control of up to four circuits (receivers),
- encrypted RF transmission,
- battery-operated,
- small dimensions enabling installation under traditional mounting equipment,
- long operating range (up to 300 m in open areas).

CONNECTION



LOW BATTERY INDICATION SIGNALLING

During normal operation, low battery is indicated by the STATUS LED flashing quickly several times when a button is pressed and released to transmit. If the transmitter has been paired with an EXTA LIFE controller, low battery status is also indicated by the EXTA LIFE mobile app with the Battery: Low message (see figure). The transmitter will indicate that the battery has to be replaced until the battery voltage drops to < 2.1 V. The low battery indication stops only when the battery has been replaced.



Low battery indication in the EXTA LIFE app

REPLACING THE BATTERY

1. Remove the two mounting screws of the lower cover of the transmitter.
2. Remove the PCB.
3. Remove the battery from the terminal (for example: by using a flat screwdriver).
4. Press any button connected to transmitter inputs several times (this is to drain any residual voltage).
5. Install a new battery. Mind the polarity. The polarity is marked on the battery clip terminal (the + pole). **CAUTION: Wrong battery polarity may damage the transmitter!**
6. Reinsert the PCB into the enclosure and screw the lower cover back on.
7. Verify proper operation: the LED should be on, like when transmitting.

INSTALLATION CONSIDERATIONS

1. If possible, maintain a minimum distance between transmitters during installation. In particular, avoid installing one transmitter above another. In some situations, this could cause range loss and transmission errors.
2. During installation make sure that the transmitter is not exposed to direct water impact or operation in a high humidity environment. The temperature at the installation site should be from -10 to +55°C.
3. The RNP-22 transmitter is designed for indoor installation. In the case of outdoor installation, place the transmitter in an additional sealing box and efficiently seal the connection against water penetration.
4. Connect control connectors to inputs IN1 to IN4 of the RNP-22 transmitter. Typically, the inputs are designed to work with monostable connectors. However, the design of the inputs does not exclude using bistable connectors. In this case, it is best to program the inputs with a receiver in monostable mode (the receiver is activated as long as the given input is triggered).
5. After installing the transmitter, test it for proper operation. To obtain the target function, the transmitter must first be programmed with the receiver (see the user manual of the selected receiver). To work with the controller, the transmitter must be properly paired with the controller (see Transmitter registration in the EXTA LIFE system).

OPERATION

Upon a short press of a button connected to a given input, the transmitter sends an RF command to the EXTA LIFE system components. Information transmission is signalled by the green "Status" LED blinking. To properly interpret the signal from the given transmitter input, the transmitter must first be paired with it. See the applicable EXTA LIFE receiver user manuals for pairing instructions (programming specific inputs in the receiver memory). The transmitter will only transmit when a button connected to a given input is pressed and then released. No RF signal is transmitted as long as a button is held pressed. RNP-22 transmitter inputs are not blocked. This means that if a given input is triggered continuously, then the other inputs work according to the transmitter specification.

The presented mode of operation translates to transmitter functionality with traditional bistable connectors connected to inputs IN1...IN4. For example, if the connector connected to input IN1 is to work with a receiver in "bistable" mode, the connector must be closed to activate the receiver. However, to re-activate the receiver (if it has been turned off, for example with a remote control), first open and close the connector again.

OPERATING CONSIDERATIONS

STANDARD FUNCTIONALITY (WITHOUT CONTROLLER)

- enables wireless operation of EXTA LIFE system receivers,
- the function of each transmitter input depends on the type of receiver the inputs have been paired with (example: if paired to an ROP-22 receiver, the inputs can be used to turn lights on and off; if paired to an SRP-22 controller, the buttons can open and close roller shutters),
- each input can be assigned to multiple EXTA LIFE system receivers,
- if one input is to control more than one receiver of the system, then the recommended mode of operation is "on/off" mode (for example: input "1" turns on the receiver and input "2" turns it off),
- you can assign the transmitter inputs to receivers with different operating modes, the range of which depends on the receiver type (for details of the modes see the applicable EXTA LIFE receiver user manuals),
- If transmitter inputs are assigned to a receiver in time mode, each button can be assigned a custom time value from 1 s to 18 hours,
- you can delete specific input assignments from the receiver memory.

FUNCTIONAL COMPATIBILITY WITH EXTA LIFE CONTROLLER AND APP

With the EFC-01 controller and app, you can:

- remotely (without access to the receiver) bind specific transmitter inputs to the selected receivers,
- assign selected transmitter inputs to play scenes,
- assign selected transmitter inputs as a condition to execute a logical function,
- signal the transmitter battery level.

These functions are enabled only on a transmitter paired with a controller.