

# Installation Instructions

Supplementary Material for the  
Guidelines “Inclusive Living Concepts”



**Interreg**  
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**BeSENShome**

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## Shelly BLU Gateway

Note: If your scenario includes a Shelly Plus, Pro, or Gen3 device, you do not need an additional gateway, as these devices already act as a bridge between the device and the app. If necessary, please read the “Gateway Information” box in the guide for inclusive living concepts or the manufacturer's product description.

### Installation

- To install the gateway, you need a standard USB Type A port.
- Connect the gateway to the power supply using the connector.
- When the gateway is active, a blue LED lights up at the top. This indicates that it is in “access point” (AP) mode, i.e., connection mode. This means that it creates its own Wi-Fi network for connection to the app. If no light comes on, press the pairing button.

### Integration into the Shelly Smart Control App

- Now add the gateway in the Shelly Smart Control app. To do this, click on “Add device” in the app and follow the instructions in the app (recording method: Bluetooth → Select device: Gateway → Login information (e.g., name, room)).
- Once the gateway has been successfully added to the app, the LED will turn green.

# Shelly BLU TRV

## Installation Gateway

- Activate the gateway before you start installing the smart thermostatic valve. It is required to connect the thermostat to the Shelly Smart Control app (see Shelly BLU Gateway).

## Assembling of the rear wall

- Remove the old thermostat knob from the radiator.
- Attach the back plate of the smart thermostat to the radiator by turning the mounting ring clockwise. The alignment mark (“Top”) must point upwards.
- If the mounting ring does not fit, use the adapter provided and secure it with the screws.

## Assembling of the TRV button

- Remove the insulating tab from the battery compartment. A battery is included in the delivery, so the device is ready for use.
- Before installation, pair the thermostat knob with the gateway by pressing the pairing button on both the gateway and the back of the rotary knob.
- “bLE” will now appear on the rotary knob and begin to flash for 30 seconds. If pairing is successful, ‘YES’ will appear on the display; if it fails, “no” will appear. If this error message appears, please refer to the operating instructions.
- Install the thermostat knob by aligning the notch on the knob with the notch on the back panel and turning the knob clockwise with slight pressure until it clicks into place.
- The thermostat knob calibrates itself automatically (“CAL”). Once complete, “CO” will appear on the display.

## Integration into the Shelly Smart Control App

- Go to the app's dashboard, click on the gateway, and select “Add new TRV device.” Follow the instructions in the app.

# Shelly BLU Door Window

## Installation Gateway

- If no gateway is installed yet, see “Shelly BLU Gateway.”

## Integration into the Shelly Smart Control App

- Press and hold the control button (square) on the sensor for 10 seconds to activate pairing mode.
- Click “Add Device” in the app and follow the instructions (recording method: Bluetooth → select device: Shelly BLU Door Window → enter login information → select gateway → select room).
- If necessary, press the control button again to complete the integration.

## Assembling

- Make sure that the arrow on the sensor points toward the magnet (rectangle).
- Mount the sensor on tilt-and-turn doors/windows and the magnet on the frame. The distance between the sensor and magnet should be no more than 10 mm when the window or door is closed.
- Check in the app whether the status displayed matches the actual conditions.

# Shelly H&T

## Assembling

- Insert a 3V CR123A battery (not included).
- Open the device by turning the bottom shell counterclockwise.
- Pay attention to the polarity when inserting the battery.

## Integration into the Shelly Smart Control App

- After successful installation, the LED should flash slowly, indicating that it is in connection mode. If not, press the control button inside the device and close the bottom shell.
- Select “Add device” in the app and connect your smartphone to the device's Wi-Fi (e.g., shellyht-12D93).
- Switch back to your original internet connection and follow the instructions in the app.

# Shelly H&T Gen3

## Power Supply

- Open the rear cover by inserting a screwdriver into the narrow opening on the back of the sensor and turning it carefully.
- Remove the cover and insert the batteries.

## Integration into the Shelly Smart Control App

- If the setup mode does not start automatically, press the reset button for 5 seconds. The mode is indicated by “SEt” and “AP” on the display.
- Click on “Add device” in the app and follow the instructions (recording method: Bluetooth → Select device: Shelly H&T Gen 3 → Enter login information).
- Unfold the stand on the back and place the device in the desired location.

# Shelly Plug Smart Gen 3

## Power Supply

- Plug the Shelly Plug into the power outlet. The LED indicator ring should flash blue, indicating AP mode.
- If this is not the case, press the control button for 10 seconds.

## Integration into the Shelly Smart Control App

- Connect your smartphone/tablet to the device's Wi-Fi. The name of the Wi-Fi should consist of the product name and serial number (e.g., shellyplug-s-12D93).
- Click on “Add device” in the app and follow the instructions (addition method: Wi-Fi → Select device: Shelly Plug Smart Gen 3 → Enter login information).
- Switch back to your original Internet connection and follow the instructions in the app.
- After successful integration, the color of the LED indicator ring will change.

# Shelly Duo

## Assembling

- Install the light bulb in the lamp socket.

## Integration into the Shelly Smart Control App

- Turn on the light. The device's own Wi-Fi should be generated automatically. If not, turn the device off and on again 5 times in succession.
- When the light flashes, AP mode is activated. With the Shelly Duo RGBW, the light first flashes red, then blue.
- Select “Add device” in the app and connect your smartphone to the device's own Wi-Fi (e.g., shellybulbduo-12D93 or shellycolourbulb-35FA57).
- Switch back to your original Internet connection and follow the instructions in the app.

# Shelly BLU Motion

## Installation Gateway

- If no gateway is installed yet, see “Shelly BLU Gateway.”

## Integration into the Shelly Smart Control App

- Open the rear cover of the motion sensor by inserting a screwdriver into the narrow opening and turning it carefully.
- Press the control button for 10 seconds. Pairing mode is indicated by a brief blue light.
- Click on “Add device” in the app and follow the instructions (recording method: Bluetooth → Select device: Shelly BLU Motion → Select gateway → Enter login information).
- If the integration was successful, the motion sensor will flash red as soon as it detects movement.
- Now close the rear cover.

## Device Settings

- Optionally, you can turn off the motion LED (Dashboard → Select device → Settings → Motion LED → Disable red motion LED).
- Optionally, you can select the sensitivity level of the sensor (Dashboard → Select device → Settings → Sensitivity → Low/Medium/High).

# Shelly Wall Switch

## Installation Gateway

- If no gateway is installed yet, see “Shelly BLU Gateway.”

## Linking buttons to scenes

- To link the buttons to scenes, select them in the scene generator and define a THEN condition.

## Integration into the Shelly Smart Control App

- Press and hold one of the buttons for 10 seconds to enter pairing mode.
- Now click on “Add device” in the app and follow the app's instructions (recording method: Bluetooth → Select device: Shelly Wall Switch → Login information (e.g., name) → Select a gateway → Select a room).

# Shelly Flood

## Inserting the battery

- Turn the top cover of the device counterclockwise to open it.
- Insert the battery before placing the device in the desired location.

## Integration into the Shelly Smart Control App

- Press the pairing button to enter AP mode. The LED should now flash slowly.
- Connect your smartphone/tablet to the device's Wi-Fi.
- The name of the Wi-Fi should consist of the product name and serial number (e.g., shellyplug-s-12D93).
- Now click on “Add device” in the app and follow the instructions in the app (recording method: Wi-Fi → Select device: Shelly Plug Smart Gen 3 → Login information (e.g., name, room)).
- Switch back to your original Internet connection and follow the further instructions in the app.
- If the LED is lit continuously, the device is connected to the cloud.
- Close the cover by turning it clockwise.

# Shelly Gas

## Power Supply

- Plug the device into the power outlet.
- The device will automatically perform a self-test. The LED ring should change color in the following sequence: Green → orange → red.
- Once the self-test is complete, the LED ring will turn green and the Wi-Fi LED will start flashing (once per second), indicating AP mode.

## Integration into the Shelly Smart Control App

- Connect your smartphone/tablet to the device's Wi-Fi network. The name of the Wi-Fi network should consist of the product name and serial number (e.g., shellygas-12D93).
- Now click on “Add device” in the app and follow the instructions in the app (addition method: Wi-Fi → Select device: Shelly Gas → Login information (e.g., name, room)).
- Switch back to your original Internet connection and follow the further instructions in the app.

# Shelly Smoke Alarm

## Integration into the Shelly Smart Control App

- Remove the bracket from the smoke detector by turning it counterclockwise.
- Remove the insulation tab from the battery compartment and close the device.
- Press and hold the control button for about 3 seconds. Make sure that the LED indicator flashes rapidly and the buzzer emits short, loud beeps.
- Now click on “Add Device” in the app and follow the app's instructions (recording method: Bluetooth → Select device: Shelly Smoke Alarm → Login information (e.g., name, room)).

## Assembling

- Select a suitable location, mark the drilling points with the mounting bracket, and punch 3 holes in the mounting surface.
- Insert the 3 dowels into the holes and secure the bracket to the surface using the 3 screws.
- Turn the device clockwise onto the mounting bracket until you hear a click, indicating that the device is properly seated.

# Further Information

- Information on the autism spectrum and projects conducted by the ENABLE research group can be found at [www.autismus-freundlich.at](http://www.autismus-freundlich.at)
- The web application Canva was used to create this guide.

## Authorship and Responsibilities

- The idea and conception for this guide were developed by A. Resch and L. Wohofsky (FH KÄRNTEN).
- The section “General design guidelines for an inclusive living environment” was partially written by G. Scavuzzo, F. Bettarello, and M. Di Prisco (DIA-UNITS).



## Contact Options

Anna Resch | FH Kärnten  
[a.resch@fh-kaernten.at](mailto:a.resch@fh-kaernten.at)

Lukas Wohofsky | FH Kärnten  
[l.wohofsky@fh-kaernten.at](mailto:l.wohofsky@fh-kaernten.at)

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