



Mini radio hand transmitter FS3 HS 1 / FS3 HS 2 / FS3 HS 4

Key fob radio remote control in versions with 1, 2 or 4 buttons
Small handheld transmitter in keychain format for controlling up to 4 consumers

Special features

- ▶ Key fob housing
- ▶ Address, level and key number compatible with other Schalk radio transmitters can be set (FS3 HS 4, others see below)
- ▶ versatile receiver relays and dimmers available
- ▶ Free field range 30 m
- ▶ Standard 3 V lithium battery (CR 2032)
- ▶ Battery protection (automatically switches off after 45s continuous transmission)
- ▶ Battery life >10,000 cycles



General information

The mini radio hand transmitter FS3 HS (1/2/4) serves as remote control for our receiver relays. A DIP switch is used to set the transmission address (if necessary, the level and the key number compatible with our other radio transmitters). The transmission power enables a free field range of 30 m.

Applications

Any electrical loads (lamps, shutters, blinds, fans, etc.) can be controlled with the associated receiver relays. In combination with the FE3 SE receiver switch (available as mini radio set MFS 2), the hand-held transmitter is ideally suited as a replacement for defective garage door radio controls, an universal dimmer from Schalk is also available as receiver.

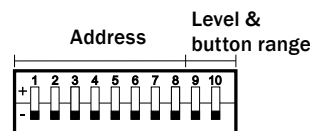
Operation

Each button of the handheld transmitter can be assigned to any function of the receiver. The functions of the receivers are very versatile. For example, a relay of a receiver can be switched "alternately on/off" with a push-button. With the "definite switch-on" and "definite switch-off" functions, several receivers can be switched in groups. In addition, Schalk receivers have convenient functions for motor control (roller shutters, blinds, gates, etc.).

Configurations

Settings on the Tri-State DIP switch:

So that the FS3 HS can reproduce any radio command of our other (larger) radio transmitters, settings must be made. The 10-bit tri-state DIP switch is used to set the address and level with key range.



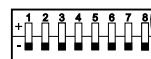
In the factory setting, the FS3 HS emulates the buttons 1-4 on level A (related to the Schalk transmitters with 8 push buttons)

Set address:

(Tri-State DIP switch bits 1-8)

The address establishes the basic assignment to the receiver. Several transmitters with the same address can address the same receivers. Each individual DIP switch has 3 positions. The middle position is also valid, resulting in 6561 adjustment options. If the address is changed, the transmitter must be taught-in again at the receiver.

Examples for setting the send address:



Factory settings (all "-")



Example setting

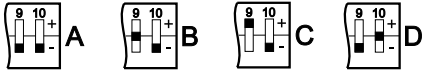
Set the level and key area:

(Tri-State DIP switch bits 9 and 10)

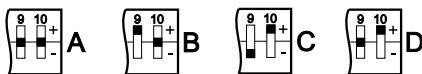
This adjustment is only necessary if other transmitters with more than 4 keys are operated on the same receiver!

Herewith the FS3 HS is compatible to the hand-held transmitter FS3 H8 (8 transmit keys) and also to the hand-held transmitter FS3 HC, which can execute 32 functions directly by means of 4 level keys and 8 transmit keys.

Select level A-D and simulate buttons 1-4.

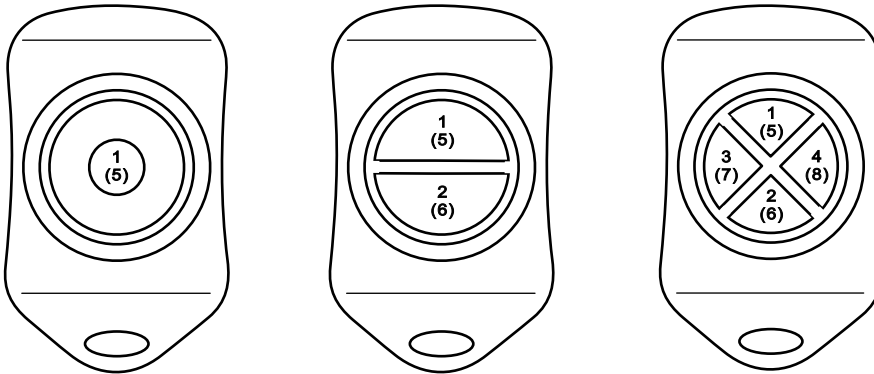


Select level A-D and simulate buttons 5-8.



Position of the keys (see remote control FS3 H8 and FS3 HC):

Depending on DIP switch setting: Keys 1-4 (or 5-8)

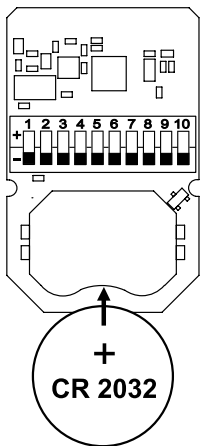


Important: only with the FS3 HS 4 can all 8 keys of a large handheld transmitter be simulated (FS3 HS 2: only key 1 or 5, FS3HS 2: only key 1+2 or 5+6)

Battery replacement:

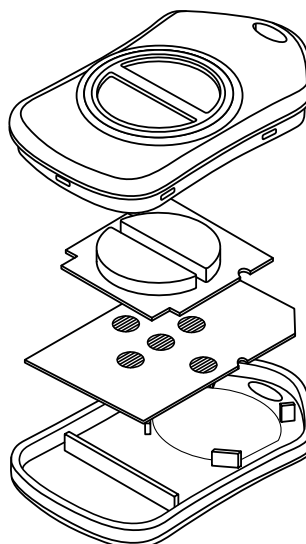
Electrostatic discharge and dirt/dust should be avoided during installation.

To open the case with a wide, flat, non-sharp-edged object in the slot between the top and bottom of the case, turn the case by levering it open.



If necessary, make settings on the DIP switch (see above)

Insert the battery into the holder. Positive pole on top! The electronics are protected against accidental polarity reversal.



Insert key mat (note the grooves on the housing edge!)

Insert electronic assembly (place the empty side on the keypad)

Place the lower shell evenly over the edge of the upper shell and press together until it snaps into place.

Technical data

| | |
|-----------------------|--------------------------------------|
| Radio signal | 433.92 MHz OOK PWM <10 mW |
| Selectable addresses: | 6561 (via DIP switch) |
| Selectable levels | 4 (via DIP switches) |
| Battery type | 3V 230 mAh lithium CR2032 |
| Battery life | >10,000 switching cycles of 1 s each |
| Ambient temperature | -10 to +45°C |
| Dimensions / weight: | 57 x 35 x 11mm ³ , 15g |
| Color | black housing, grey buttons |

Compatible devices: Radio receiver/transmitter of the FE3 / FD3 / FS3 series, radio repeater FV2 R

Order data

| Item no. | EAN | Type | Designation |
|----------|-----------------|----------|--|
| FS3HS1B | 4 046929 101394 | FS3 HS 1 | Mini wireless remote control 1-channel 3V DC, incl. Batt. |
| FS3HS2B | 4 046929 101400 | FS3 HS 2 | Mini remote control 2-channel 3V DC, incl. Batt. |
| FS3HS4B | 4 046929 101417 | FS3 HS 4 | Mini wireless remote control 4-channel 3V DC, incl. Batt. |
| MFS209 | 4 046929 101424 | MFS 2 | Mini radio set, receiver FE3 SE (230V AC) + transmitter FS3 HS 2 |

Accessories

| Item no. | EAN | Type | Designation |
|----------|-----------------|--------|----------------------------|
| BFS03B | 4 046929 901062 | BFS 03 | Replacement battery CR2032 |