

IR Receiver

573900 067216 HC4654 HS4654 L4654N
573901 HD4654 N4654N NT4654N AM5834

Description

The receiver allows you to add or replace the manual control with the remote control via the remote controls 3527N and 3529.

The buttons on the remote control can be paired with: commands intended for actuators with 1 relay for single loads, commands for actuators with 2 relays for double loads (rolling shutter motor, etc.), scenario controls, and sound system and video door entry controls. On the front of the device, in addition to the IR receiving lens, there is a programming button and a LED to indicate reception of the IR signal sent from the remote control and the programming phase.

Technical data

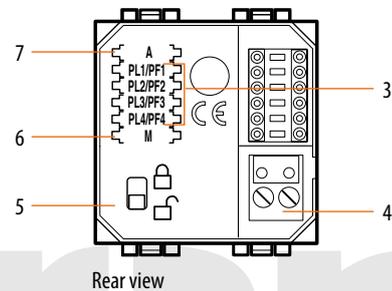
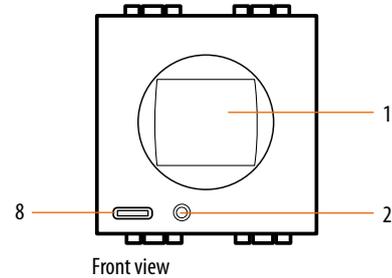
Power supply via SCS BUS:	27 Vdc
Operating power supply with SCS BUS:	18 – 27 Vdc
Current draw:	8.5 mA
Operating temperature:	5 – 35°C
Size:	2 flush-mounted modules

Configuration

If the device is installed in a My Home system it can be configured in two ways:

- PHYSICAL CONFIGURATION, inserting the configurators in position.
- Configuration via MYHOME_Suite software package, downloadable from www.homesystems-legrandgroup.com.

Depending on the configuration of the positions A, PL1, PL2, PL3, PL4 and M it is possible to set the IR receiver for 5 different operating modes.



Legend

1. Receiving lens
2. Programming/reset button
3. Channel selection
4. BUS
5. Switch to enable programming
6. Operating modes
7. Control destination room number
8. LED

Mode	M	Possible functions
A - remote control	1 – 4	repeat 4 generic controls (On/Off, Up/Down) with 4 buttons on the remote control. The required commands are saved by the receiver during installation by inserting the configurators in positions A, PL1 - PL4 and M. Changing the preset functions requires reconfiguring the IR receiver.
B - advanced scenarios	CEN	activate scenarios managed by the MH200N scenario programmer.
C - self-learning remote	none	repeat generic controls (On/Off, Up/Down) with the buttons on the remote control. In this case the commands are saved by the receiver with a self-learning procedure. The customer can at any time change the order and the saved commands to be called via the remote control.
D - scenario module control	6	control, via the remote control, up to 16 scenarios saved in the scenario module F420.
E - sound system	9	control, via the remote control, the amplifier you want to control.

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1) Mode "A" (remote control) M = 1 – 4

This mode allows you to pair the remote control buttons with generic controls (ON/OFF, UP/DOWN) intended for single or double loads. The correspondence between the remote control buttons and the controlled loads is determined during installation by the configuration of positions A and PL1 - PL4 of the IR receiver, as shown in the table below. The buttons on the remote control can be paired with:

- point-to-point controls, ie for single or double loads (rolling shutter motor) whose address is specified by the configurator 1 – 9 in positions PL1 – PL4. The different operating modes are determined by pairing the configurators with the respective PL positions.

- commands intended for actuators for single and double loads, belonging to the room defined by the configurator 1 – 9 in position A. In this case, the operating modes are defined by the configurators marked with the graphics of the function performed, set in positions PL1 – PL4.

Function	Type of control	Position A	Position PL1/PF1	Position PL2/PF2	Position PL3/PF3	Position PL4/PF4	
Cyclical ON/OFF when pressing briefly + adjustment (dimmer)	lighting point in the room indicated in A	1 – 9	1 – 9	1 – 9	1 – 9	1 – 9	
Cyclical ON/OFF	control for Room 2)	1 – 9	AMB	AMB	AMB	AMB	
up-down rolling shutters ¹⁾	lighting point in the room indicated in A	1 – 9	1 – 9	1 – 9			
				1 – 9	1 – 9		
					1 – 9	1 – 9	
			1 – 9			1 – 9	
			1 – 9			1 – 9	
up-down rolling shutters monostable ¹⁾	control for Room ²⁾	1 – 9	M	M			
				M	M		
					M	M	
			M			M	
			M		M		
				M		M	
up-down rolling shutters until limit stop ¹⁾	control for Room ²⁾	1 – 9					
control for ON	control for Room ²⁾	1 – 9	ON	ON	ON	ON	
control for OFF	control for Room ²⁾	1 – 9	OFF	OFF	OFF	OFF	

1) The two PL positions must have the same configurator. The "Up" control is paired with the first PL position and the "Down" command with the second PL position.

2) The control is intended for the devices belonging to the room indicated in A.

Example 1: If positions PL2 and PL3 on the receiver have configurator 7, the remote control operates the double actuator No. 7 of the room indicated in A, raising the rolling shutters with button 2 and lowering them with button 3.

Example 2: If positions PL2 and PL3 on the receiver have configurator 7 and position A has configurator 2, the remote control operates all the actuators in room 2, raising the rolling shutters with button 2 and lowering them with button 3.

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In this room it is possible to install up to 4 IR receivers, which enables managing up to a maximum of 16 separate commands. The correspondence between the channels of a remote control and the respective IR receiver is established by configuring position M of the IR receiver.

Configurator in M	Remote control channel
1	CH1 to CH4
2	CH5 to CH8
3	CH9 to CH12
4	CH13 to CH16

2) Mode "B" (advanced scenarios) M=CEN

In this mode, the remote control IR 3529 is used as a "scenario control" to activate one or more advanced scenarios stored in the Scenario Programmer MH200N. The IR receiver must also be configured in positions A and PL with the numeric configurators to define the respective address in the system. Pairing one or more buttons on the remote control (up to 6) with the scenarios created and stored in the Scenario Programmer MH200N is done when creating the scenario with the MyHOME_Suite software package.

3) Mode "C" (self-learning remote) M=0

This mode allows you to pair a single command with any button on the remote control. With a single receiver you can pair up to 16 commands with a remote control. Configure the receiver with address A=0 and PL = 1 – 9 that cannot be used by actuators.

Commands that the receiver can learn:

- Actuator ON/OFF (cyclical ON/OFF operation for briefly pressing and adjustment for holding down)
- Timed ON
- Flashing
- Rolling shutters UP and DOWN (up-down until the limit stop)
- Actuator Lock/Unlock
- Lights auxiliary ON/OFF (cyclical ON/OFF operation)
- Rolling shutters auxiliary UP/DOWN (up-down until the limit stop)
- Video door entry system (lock and stair lights)
- Sound system (managing the amplifier to be controlled)

To pair each remote control channel with a different command, the procedure is as follows:

- 1) Press the programming button on the receiver for 3 seconds: the LED will come on with a steady light;
- 2) Within 20 seconds, press the remote control button for the channel you want to program: the LED will start flashing, indicating activation of the programming mode;
- 3) Set the command you want to assign to the remote control button, using the controls and/or the corresponding actuator: the LED will come on with a steady light;
- 4) You can now repeat steps 2 and 3 for all the buttons, including any button that you have already assigned in case you want to change it;
- 5) Press the button to exit the programming mode: the LED will go out;

To clear the programming of one of the remote control channels, the procedure is as follows:

- 1) Press the programming button for at least 8 seconds: after 3 seconds, the LED will come on with a steady light; after another 5 seconds it will turn off; release the button within 4 seconds: the LED will come on steady;
- 2) Within 20 seconds, press the remote control button for the channel you want to clear: the LED will start flashing quickly for approximately 4 seconds, confirming deletion;
- 3) From this moment onward, the cleared button will no longer activate any command until it is reprogrammed. To clear the programming of all the remote control channels at the same time, press the programming button for approximately 12 seconds: after 3 seconds, the LED will come on with a steady light; after another 5 seconds it will go out; after another 4 seconds it will flash quickly for approximately 4 seconds, confirming deletion of all programming.

NOTE: With the switch in the "padlock closed" position, programming and clearing the IR receiver is disabled.

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4) Mode "D" (scenario module control) M=6

This mode enables creating, deleting or modifying the scenarios contained in the scenario module F420 and calling them up using the remote control. The procedure allows saving up to 16 scenarios, using all 16 channels of the remote control.

In order to program, change or cancel a scenario, it is necessary to enable the programming mode of the Module item F420 so that the programming status LED is green (press the lock/unlock button for at least 0.5 seconds) and the switch on the back of the IR receiver must be in the "padlock open" position. The procedure is as follows:

- 1) Press the programming button on the receiver for 3 seconds: the LED will come on with a steady light; release the button;
- 2) Within 20 seconds, press the remote control button for the scenario you want to program: the LED will start flashing, indicating activation of the programming mode;
- 3) Set the scenario using the controls and/or the corresponding actuators;
- 4) Press the button to exit the programming mode: the LED will go out;
- 5) Repeat steps 1 to 4 for all the scenarios you want to program.

To cancel a scenario, the procedure is as follows:

- 1) Press the programming button on the receiver for 8 seconds: after 3 seconds, the LED will come on with a steady light; after another 5 seconds it will turn off; release the button within 4 seconds: the LED will come on steady;
- 2) Within 20 seconds, press the remote control button for the scenario you want to cancel; when the scenario module sends confirmation of the cancellation, the LED will blink quickly for approximately 2 seconds and then go out;
- 3) Repeat steps 1 and 2 for all the scenarios you want to cancel.

To reset the entire memory you must act directly on the scenario module. If you want to disable the ability to program or cancel scenarios with the IR receiver, set the switch on the back in the "padlock closed" position.

NOTE: Configure the device with address A=0 and PL=1 – 9 that cannot be used by actuators. For example, if the scenario module is configured with A=0 and PL=3, the IR receiver must be set to A=0; PL=3 and M=6.

5) Mode "E" (sound system) M=9

In the sound system, the IR receiver can manage up to 4 amplifiers. The command is always in "follow me (*)" mode and the functions that can be performed are:

- **Button A:** pressing briefly runs the "On" command, whereas holding it down adjusts the volume up
- **Button B:** pressing briefly runs the "Off" command, whereas holding it down adjusts the volume down
- **Button C:** cycles through the saved radio stations or changes CD track
- **Button D:** cycles through the sources

Buttons A-B-C-D are paired with the remote control buttons as shown in the table:

	Button A	Button B	Button C	Button D
PF1	Ch 1	Ch 2	Ch 3	Ch 4
PF2	Ch 5	Ch 6	Ch 7	Ch 8
PF3	Ch 9	Ch 10	Ch 11	Ch 12
PF4	Ch 13	Ch 14	Ch 15	Ch 16

Where:

- PF1 = 0 – 9 address of the 1st amplifier to control
- PF2 = 0 – 9 address of the 2nd amplifier to control
- PF3 = 0 – 9 address of the 3rd amplifier to control
- PF4 = 0 – 9 address of the 4th amplifier to control
- A = 1 – 9 destination room of the control

NOTE (*): Follow Me mode allows you to have the same music in another room after turning off the amplifier in the room you previously occupied and switching on the one in the room where you are now.