

Wireless module for Dual smoke alarm devices  
2347 00

# GIRA



Gira  
Giersiepen GmbH & Co. KG  
Elektro-Installations-Systeme

Postfach 1220  
42461 Radevormwald

Tel +49 (0) 21 95 - 602 - 0  
Fax +49 (0) 21 95 - 602 - 191  
www.gira.de  
info@gira.de

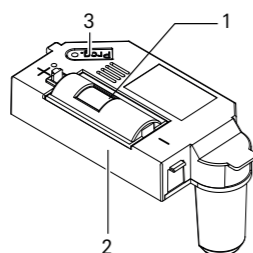
10864486 21/2026

## Product features

The wireless module for Dual smoke alarm devices (hereinafter referred to as the "wireless module") enables wireless networking of Dual Q smoke alarm devices in the Gira wireless bus system.

- The networking terminals of the Dual Q smoke alarm device can still be used when the wireless module is installed, which means that a network can be established using a combination of wired and wireless connections.
- Repeater mode in the wireless module to extend the wireless range.
- Up to 40 smoke alarm devices can be networked.
- The wireless module is backwards compatible and can therefore also be used for Dual/VdS smoke alarm devices.

## Description of the device



- 1 Battery compartment with battery
- 2 Wireless module
- 3 Programming button with LED

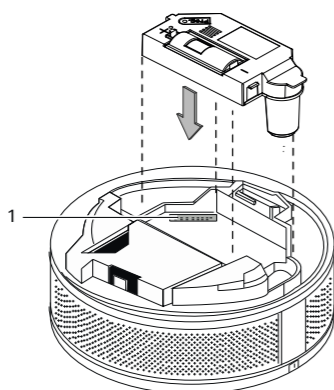
## Installing the wireless module

### o Dual Q smoke alarm device

All information on the Dual Q smoke alarm device (e.g. mounting, signals etc.) can be found in the installation and operating instructions for the Dual Q smoke alarm device.

The wireless module is installed as follows:

1. Insert a battery into the wireless module (pay attention to the polarity).
2. Push the wireless module into the module interface (1) of the smoke alarm device, ensuring correct connector pin alignment, until the module clicks into place.



## Assigning the wireless module

Wireless modules must be assigned so that

they can communicate with one another (as transmitters or receivers).

The following assignments are possible:

- Set up a wirelessly networked group (initial setup)
- Assign the wireless module to a wirelessly networked group of Dual Q smoke alarm devices (extension)
- Assign the wireless module to a wirelessly networked group of Dual/VdS smoke alarm devices (replacing old systems)
- Delete all assignments

## Starting and exiting programming mode

This section describes how to start and exit programming mode.

### Starting programming mode

Press and hold the programming button until the programming LED flashes (approx. 4 s). Programming mode is active for approx. 1 min.

### Exiting programming mode

Programming mode is exited automatically after 1 min.

Alternatively, you can briefly press the programming button.

## Wirelessly networked group

Wireless modules can only communicate with one another within a group. This requires a wirelessly networked group to be established.

### o Wirelessly networked group

The following smoke alarm devices can be set up as wirelessly networked groups:

- Dual Q <-> Dual Q
- Dual Q <-> Dual/VdS

### o Observe the maximum distance in programming mode

In programming mode, the wireless transmitter and receiver must be no more than 5 m apart.

## Set up a wirelessly networked group (initial setup)

1. Install wireless modules in all Dual Q smoke alarm devices that are to form part of the group.
2. Start programming mode on all wireless modules.
3. Press and hold the programming button on any Dual Q smoke alarm device in the group again until a signal tone sounds (approx. 4 s).
4. All LEDs light up permanently: the group is set up.
5. Exit programming mode.

As soon as one smoke alarm device in the group detects smoke or a temperature increase and sounds an alarm, all the other smoke alarm devices in this group will also sound an alarm.

## Assigning the wireless module to a wirelessly networked group of Dual Q smoke alarm devices (extension)

A wirelessly networked group comprising Dual Q smoke alarm devices can be extended until the maximum number of devices (40) is reached.

1. Make sure that you have a Dual Q smoke alarm device that has already been assigned (#1) to hand.
2. Install the wireless module in the Dual Q smoke alarm device that has not yet been assigned (#2).
3. Activate programming mode on both wireless modules.
4. Press and hold the programming button of the wireless module on smoke alarm device #1 again until a signal tone sounds (approx. 4 s). The LEDs on both wireless modules light up permanently and the group is extended to include another wireless module.
5. Exit programming mode.

## Assigning the wireless module to a wirelessly networked group of Dual/VdS smoke alarm devices (replacing old systems)

You can assign a Dual Q smoke alarm device with a wireless module to an existing group of Dual/VdS smoke alarm devices with wireless modules (e.g. to replace an old device).

1. Start programming mode on a Dual/VdS smoke alarm device.
2. Press and hold the programming button of the wireless module on the Dual Q smoke alarm device until a signal tone sounds (approx. 4 s).
3. Press the function button of the Dual/VdS smoke alarm device.
4. All LEDs light up and the new wireless module is assigned to the existing group of Dual/VdS smoke alarm devices.
5. Exit programming mode.

## Wireless module in repeater mode

In the factory default state, repeater mode is deactivated in the wireless module. Repeater mode is activated when at least one Dual Q smoke alarm device no longer receives signals wirelessly (or receives only very weak signals).

### o Wireless module as repeater

Only one wireless module per group may be activated as a repeater.

All networked Dual Q smoke alarm devices must be within range of the wireless signal.

When acting as a repeater, the wireless module also receives weaker wireless messages and retransmits them at maximum strength.

### Activating repeater mode

1. Select a centrally installed Dual Q smoke alarm device from the group.
2. Press and hold the programming button of the wireless module on the selected smoke alarm device for 10 s. The LED flashes after approx. 4 s.

After approx. 10 s, the LED flashes quicker. Repeater mode is now active.

3. Exit programming mode.

## Deactivating repeater mode

An active repeater mode can be deactivated again at any time.

1. Select the smoke alarm device with active repeater mode.
2. Press and hold the programming button of the wireless module for 10 s. The LED flashes after approx. 4 s. After approx. 10 s, the LED flashes slower. Repeater mode is deactivated.
3. Exit programming mode.

## Deleting all assignments

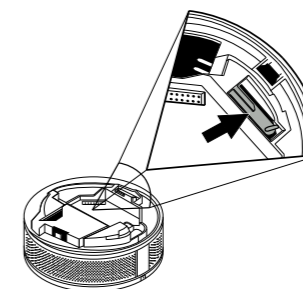
To reset wireless modules to the factory default state, all assignments (to groups, as repeaters etc.) must be deleted.

1. Start programming mode.
2. Release the programming button.
3. Press and hold the programming button of the wireless module again (approx. 10 s). A short signal tone sounds after approx. 4 s. After approx. 10 s, a longer signal tone sounds and the programming LED lights up permanently. All assignments have been deleted.
4. Exit programming mode.

## Checking smoke alarm device networking

You can check the wireless networking of the smoke alarm device before installing it.

1. Activate the smoke alarm device manually: press and hold the internal activation button (initialisation phase approx. 30 s). Do not release the activation button during the check!



2. Briefly press the programming button of the wireless module until the LED flashes. Test mode is started.

### o Signal transmitter of the smoke alarm device muted in test mode

The signal transmitter of the smoke alarm device is muted when the test function is active.

3. Trigger the test alarm on the smoke alarm device.
4. As soon as the alarm message is received, the programming LED of the wireless module lights up permanently. The wireless module is therefore properly assigned.
5. Briefly press the programming button: test mode is exited.

## Performing a function test

The function test is a manual test of the smoke alarm device.

### o Function test of the smoke alarm device

Observe all information on performing the function test for the Dual Q smoke alarm device provided in the installation and operating instructions for the Dual Q smoke alarm device.

### o Delayed signalling for the wireless module

The wireless module checks for incoming alarm messages every 60 s.

It therefore takes a maximum of 60 s for the wireless module to confirm receipt.

1. Trigger the function test on the Dual Q smoke alarm device. After 5 s, the signal tone sounds and the light ring flashes. All other wirelessly networked smoke alarm devices issue only an acoustic alarm (after a maximum of 60 s).

## Wireless transmission

Since a shared channel is used for wireless transmissions, interference cannot be ruled out. Wireless transmission is **not** suitable for safety applications (e.g. emergency stop, emergency call). The range of a wireless system depends on the power of the transmitters, the reception characteristics of the receivers, the humidity, the mounting height and the building's structural features. Material penetration examples:

Dry material	Penetration
Wood, plaster, plasterboard	approx. 90%
Brick, pressboard	approx. 70%
Reinforced concrete	approx. 30%
Metal, metal lattice, aluminium cladding	approx. 10%
Rain, snow	approx. 0-40%

## For your safety

**Risk of serious damage to property or personal injury, for example due to fire or electric shock caused by improper electrical installation.**

A safe electrical installation can only be guaranteed if the person performing the installation has proven basic knowledge in the following areas:

- Installation network connection
- Connection of several electrical devices
- Routing of electrical cables

Generally speaking, only trained electrical installation technology specialists possess this knowledge and experience. If you fail to meet these minimum requirements or disregard them, you may be held personally liable for any damage to property or personal injury.

### o Configuration and installation may only be performed by an expert

As per DIN 14676, the configuration, installation and maintenance of smoke alarm devices may only be performed by a qualified expert.

For this purpose, Gira offers the "Certified expert for smoke alarm devices in accordance with DIN 14676" online course, complete with certificate.

More detailed information can be found under "akademie.gira.de".

These instructions are an integral part of the product and must remain with the end customer.

## Replacing the battery

The "low battery" signal is indicated by three beeps every 30 s.

1. Remove the Dual Q smoke alarm device from the mounting plate or the 230 V base.
2. Open the battery compartment of the wireless module and remove the battery.
3. Replace the flat battery with a new battery of the same type (see technical data) and close the battery compartment again.
4. Remount the Dual Q smoke alarm device. Wait for the initialisation phase to finish (approx. 30 s).  
The wireless module continues to indicate "low battery".
5. Trigger a test alarm on the Dual Q smoke alarm device.  
Following the test alarm, the wireless module transmits the "Battery OK" status for 30 s. The networked smoke alarm devices receive and relay the new signal.

The signals (without alarm) are as follows in the case of "low battery":

- 3 beeps every 30 s for the smoke alarm device triggering the "low battery" warning and
- 2 beeps every 10 minutes for the networked smoke alarm devices.

### Wirelessly networked smoke alarm device sending incorrect signal.

Under certain conditions (e.g. in the event of poor wireless reception), a wirelessly networked Dual Q smoke alarm device may continue to indicate "low battery" even though the battery of the wireless module on the Dual Q smoke alarm device triggering the warning has been replaced and the status has been changed.

Activate the mute function on the Dual Q smoke alarm device that is sending an incorrect signal. When the mute function is deactivated (manually or automatically after 15 minutes), the old "low battery" signal is reset and the Dual Q smoke alarm device no longer indicates "low battery".

### Remove flat batteries immediately and dispose of them in an environmentally sound manner. Do not dispose of batteries together with household waste.

Local authorities provide information about environmentally sound disposal. End users are required by law to return used batteries.

## Technical data

Power supply:	via battery of wire-less module
Battery	
Manufacturer:	VARTA
Type:	2/3 AA lithium
Capacity:	3 V
Wireless bus	
Transmission frequency:	433.42 MHz, ASK
Transmission range:	100 m (in free field)
Transmission power:	max. 10 mW
Ambient temperature:	-5°C to +50°C
Protection class:	IP 20

## Conformity

Gira Giersiepen GmbH & Co. KG hereby declares that wireless system type Item No. 2347 00 complies with Directive 2014/53/EU. The complete item number can be found on the device. The complete text of the EU Declaration of Conformity can be found either in the download area ([gira.de/Konformitaet](http://gira.de/Konformitaet)) or directly via the online catalogue for the product ([katalog.gira.de](http://katalog.gira.de)).

## Warranty

The warranty is provided by the retailer in accordance with the statutory requirements.

Please hand over or send faulty devices postage paid and with a description of the problem to your sales representative (retailer/installation company/electronics retailer), who will forward the devices to the Gira Service Centre.