### Device description
The Gira RDS flush-mounted radio consists of a radio insert with operating top unit and loudspeaker insert with cover plate. Either one or two loudspeakers can be connected to the radio insert. The radio automatically detects connected loudspeakers and switches between stereo and mono mode. The radio is installed in conventional flush-mounted device boxes. Operation of the radio is via capacitive operating buttons. The operating top unit is equipped with a display showing the station text (RDS) etc.

### Operation
Operation only requires a light touching of the symbols.

- **Quick press**: The time is not displayed. Instead of this the station name, frequency and time may be displayed. The radio remains switched on until it is manually switched off by pressing a long press
- **Quick press**: the radio displays a saved station. The radio remains switched on until it is switched off by pressing a long press
- **AUX**: the radio generates an audio signal fed into the radio via an AUX input.

### Display
In normal operation, the display shows the station name, frequency and time. Display of time may not be displayed. Instead of this the station name, frequency and time may also be received. This is a malfunction.

### Information on RDS text
In some cases, the texts shown on the display may differ from the texts transmitted by the station. Unexpected texts may be displayed when unsupported characters are received. This is not a malfunction.

### Searching a station
To initiate the automatic station search function, press and hold the search button. During the search the radio is muted and > > > is shown in the display. As soon as a station is located the search function stops and the station becomes audible.

#### Station search
The search direction is ascending. If the upper frequency limit (107.9 MHz) is reached, the radio switches to the lower frequency limit (87.5 MHz) and continues searching. If the search returns to the initial frequency, the radio switches automatically to a higher sensitivity level. In this way, weaker stations may also be received.

### Saving a station
The RDS flush-mounted radio has two station presets, each of which can save a station setting.

#### Saving:
In individual cases it may occur that the maximum output level of the connected device is insufficient to initiate AUX mode. In this case the device cannot be operated with the flush-mounted radio.

### Switching on automatically
The RDS flush-mounted radio can be switched on with an external switch, for example in combination with room lighting. This so-called Aux switch can be fed into the radio via an AUX input.

### Setting volume
Volume is set via + and –.

- **Volume is set via + and –**
- **Volume is raised with +**, and lowered with –**
- **During setting, the current value of volume is shown by the display**
- **VOLUME 1 for the lowest level, and VOLUME30 for the highest level.

### Volume when switching on
When switching on, the last station heard with the last selected volume is called up.

### Using an external audio source
For connecting an external audio source, a cinch socket outlet must be installed in addition to the flush-mounted radio.

#### Installation note
For connecting an external audio source, a cinch socket outlet must be installed in addition to the flush-mounted radio.

#### Note
If the flush-mounted radio does not switch automatically to AUX mode, the volume of the connected device must be increased. In individual cases it may occur that the maximum output level of the connected device is insufficient to initiate AUX mode. In this case the device cannot be operated with the flush-mounted radio.

#### Note
The waiting time of 10 seconds is required so that the flush-mounted radio does not inadvertently leave AUX mode because of quiet passages between music titles.
Installation

**Important**

Installation and mounting of electrical devices may only be carried out by a qualified electrician.

The RDS flush-mounted radio must be installed protected from dripping and sprayed water in indoor areas. Electronic devices cause interference signals which may be picked up by radios. Reception interference may therefore result in combination with electronic devices in one installation unit or in close proximity (e.g. ballasts). For this reason, carry out a functional check on-site before installing such a combination. Interference can be minimised by increasing the distance between the devices.

The inserts of the flush-mounted radio can be installed in flush-mounted device boxes one below the other or next to each other as desired:
1. Install the loudspeaker insert and lay the connection cables of the loudspeaker insert in the flush-mounted device box of the radio insert.
2. Connect the power supply (230 V) to the L/N terminals of the radio insert.
3. Connect the auxiliary input (1) if required (see "Auxiliary unit function").
4. Connect the loudspeaker connection cables to the radio insert (see "Loudspeaker connection").
5. Install the radio insert into the flush-mounted device box.
6. Remove the protective cover from the loudspeaker insert.
7. Apply the cover frame and attach the loudspeaker cover and operating top unit.

**Support ring seal**

The support ring of the loudspeaker insert is coated with a film that provides acoustic isolation of the insert from the front sound opening. This support ring seal must not be removed and, apart from holes caused by the attachment screws, must not be damaged, as otherwise bass reproduction may be impaired.

**Initial start-up**

When the device is switched on for the first time, automatic initialisation is performed:
- Either **TIME YES** (time is shown) or **TIME NO** (time is not shown) appears on the display.
- To change this setting, press either + (YES) or - (NO).
- After 5 seconds, INIT and a progress bar appear on the display.
- The radio generates two tones to determine the number of loudspeakers.
- The two strongest stations are automatically stored as the station presets 1 and 2.

**Auxiliary unit function**

The RDS flush-mounted radio is equipped with an auxiliary input. This for example enables switching of the radio via a switch or automatic control switch together with room lighting. For this purpose, the switched phase is laid from the switch to the auxiliary input (1) of the radio.

If no permanent phase exists in the room, connection of the flush-mounted radio can alternatively be carried out via the switched phase. In this case however the flush-mounted radio may only be operated with lighting switched on.

**Connection of AUX input**

The RDS flush-mounted radio is equipped with an AUX input via which external music sources such as MP3 players can be connected. For this purpose an additional cinch socket outlet is connected to the AUX IN terminals of the RDS flush-mounted radio. The maximum cable length between the cinch socket outlet and radio insert is 3 m.

The external music source is then connected to the RDS flush-mounted radio with an adapter cable (e.g. cinch-jack) via the cinch socket outlet.

Upon switching on the external music source, the RDS flush-mounted radio automatically switches to AUX mode and generates the signal of the external source.

**Technical data**

**Rated load:** 4 W

**Mains connection:** 2.5 mm² screw terminals

**Auxiliary unit:**

- **Switchable:** 3 m
- **Protection type:** IP 20
- **Warranty:** The warranty is provided in accordance with statutory requirements via the specialist trade. Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

**Information on improving reception**

With poor reception conditions, reception can be improved by extending the left-hand loudspeaker cable (L+/L–) to 75 cm if installation conditions permit.

Initialisation can also be triggered manually. This is required in the following cases:
- The RDS flush-mounted radio was installed at a new location.
- A second loudspeaker was connected.
- The time display should be switched on or off.
- To trigger initialisation, press and hold the ■ and ■ buttons simultaneously for at least 5 seconds.
- Either **TIME YES** (time is shown) or **TIME NO** (time is not shown) appears on the display.
- To change this setting, press either + (YES) or - (NO).
- After 5 seconds, INIT and a progress bar appear on the display.
- The radio generates two tones to determine the number of loudspeakers.
- The two strongest stations are automatically stored as the station presets 1 and 2.

**Stereo operation**

If two loudspeakers are connected to the flush-mounted radio, the radio signal is generated in stereo quality.

**Mono operation**

If only one loudspeaker is connected, sound is generated in mono quality. With connection of only one loudspeaker the left channel (L+ / L–) must be used. Loudspeaker impedance must not exceed 4 ohms.

**Use the same phase**

The same phase L must be used for the auxiliary input (1) and the power supply of the radio insert (L).

**Manual initialisation**

During initial start-up, the RDS flush-mounted radio automatically performs initialisation. This includes determining how many loudspeakers are connected and adapting the antenna to site conditions.

**RDS flush-mounted radio**

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**GIRA**

**Technical data**

**Operating voltage:** AC 230 V

**Temperature range:** -5 °C to +50 °C

**Humidity:** 25 to 90 %

**Frequency range:** 87.5 to 107.9 MHz

**Protection type:** IP 20

**Connection terminals**

- **Mains connection:** 2.5 mm² screw terminals
- **Loudspeaker/AUX:** 1.5 mm² screw terminals

**Permissible loudspeaker impedance:** 4 to 16 ohms

**Input impedance:** AUX input: 47 kohms

**Maximum cable lengths**

- **Loudspeaker:** 20 m
- **AUX connection:** 3 m

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