:hager

GB

WUC53
Radio FM

WYE100
Radio set FM

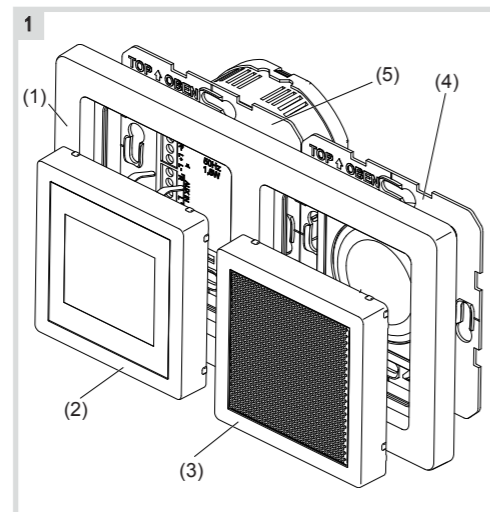6LE003197A

Safety instructions   GB

Electrical equipment may only be installed and assembled by a qualified electrician in accordance with the relevant installation standards, regulations, directives and safety and accident prevention directives of the country.

Failure to comply with these instructions may result in damage to the device, fire, or other hazards.

Disconnect load before working on the device. Take into account all circuit breakers that supply dangerous voltages to the device.

These operating instructions are an integral component of the product, and must be retained by the end user.

Design and layout of the device

(1) Frame 2gang
(2) Radio application module with cover
(3) Loudspeaker cover
(4) Loudspeaker insert
(5) Radio insert

ℹ Scope of delivery WYE100:
Radio and loudspeaker including covers and 2gang frame.

ℹ Scope of delivery WUC53:
Radio without cover.

Function

The radio receives FM radio stations and plays them back via the connected loudspeakers.
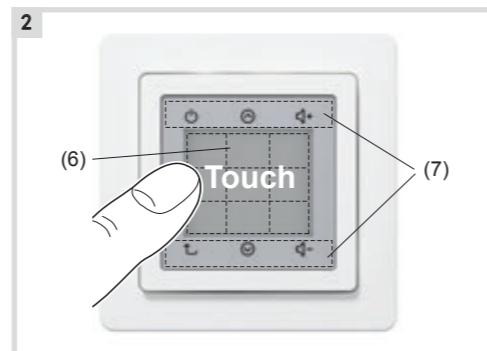Additional functions:

- Capacitive touch display
- Manual and automatic station search
- 8 memory slots
- Display of reception frequency and RDS information
- Display of time and date in Standby mode
- Automatic date and time setting on RDS reception
- Alarm with radio or acoustic signal
- Timer (countdown) with acoustic signal when expired (also during radio reception)
- Sleep mode with automatic switch-off
- Display brightness settable in 10 levels and 8 times
- Extension unit connection, e.g. for switch, controller
- AUX-IN for external audio sources, e.g. smartphone or MP3 player to multimedia socket outlet

Correct use

- Only suitable for use in indoor areas
- Flush-mounting in wall box according to DIN 49073
- Radio and loudspeaker each mounted in a wall box

Operation

Operation of the radio solely using touch control panel. The touch surface (Figure 2) has a display and six symbol buttons.

(6) Touch display
(7) Touch symbol buttons

Depending on the display, the touch display is divided into up to 9 control panels or shows a multi-line menu.

The six symbol buttons have fixed functions:

Symbol button	Function
⏻	Switch on/switch off
↰	Jump back to the higher-level operating level
⊘	Scroll up/Increase value
⊙	Scroll down/reduce value
◁+	Increase volume
◁–	Reduce volume

Switching on the radio

The radio is in Standby mode, the time and date are displayed.

■ Touch display or button ⏻.

The radio plays back the most recently set station.

ℹ Details such as station type, station name, transmitter frequency, song name, storage location and reproduction mode are displayed with RDS reception.

Selecting menu items

The radio is switched on.

■ Touch the ↰ button until main menu appears (Figure 3).

■ Touch ⊘ / ⊙ button or the display.

The active display in the central operating panel - shown in bold - changes.

■ Touch the active display with the desired menu item.

A new menu opens.

ℹ Longer lines of text are shown in a loop after a second's delay.

Changing settings

The menu item is selected - e.g. **Countdown**. The first setting is active - e.g. Hours **hrs**.

■ Use the ⊘ / ⊙ button to set the desired number.

■ Using the control panel, apply the number of another setting, e.g. **min** or **sec** or save the settings with ☑ (Figure 4).

■ Adjust other settings accordingly.

ℹ The active setting is displayed in square brackets.

Setting the volume

The radio is switched on.

■ Press ◁+ / ◁– button.

The sound is played back louder/more quietly.

ℹ Alternatively, simply swipe up or down on the displayed volume bar during setting.

ℹ With control panel ◁⃝, switched to mute during volume setting.

Setting the date and time manually

The radio is switched on.

■ Touch the ↰ button until main menu appears (Figure 3).

■ Select the **Alarm** and **times** control panel with the ⊘ / ⊙ buttons and press it.

■ Select Date/time with ⊘ / ⊙ and press it.

■ Select Manual with ⊘ / ⊙ and press it.

■ Using ⊘ / ⊙, select the date format **EU / US** and, using another control panel, apply, e.g. **year**.

■ Using ⊘ / ⊙, select the year and apply with **month**.

■ Using ⊘ / ⊙, select the month and apply with **day**.

■ Using ⊘ / ⊙, select the day and apply with **hrs**.

■ Use ⊘ / ⊙ to select the hours and apply with **min**.

■ Using ⊘ / ⊙, select the minutes and the press ☑ to save all the settings.

Setting an FM station with automatic search

The radio is switched on.

■ Touch the ↰ button until main menu appears (Figure 3).

■ Select the control panel **FM Radio** using ⊘ / ⊙ and press it.

■ Select the **Automatic Search** control panel with ⊘ / ⊙ and press it.

The first station to be found will be played back and shown in the display.

■ Pressing ⊘ continues the automatic search without saving.

or:

■ Save the station (see Saving stations).

Setting an FM station with manual search

The radio is switched on.

■ Touch the ↰ button until main menu appears (Figure 3).

■ Select the control panel **FM Radio** using ⊘ / ⊙ and press it.

■ Select the control panel **Manual search** using ⊘ / ⊙ and press it.

■ Increase/reduce the reception frequency in 0.1 MHz steps using ⊘ / ⊙ until a station is received without interference.

■ Press ⊘ to continue the manual search without saving.

or:

■ Save the station (see Saving stations).

Saving stations

The searched for station is played back.

■ Press the station display in the control panel.

■ Press **Save**.

■ Select the **new station** using ⊘ / ⊙ and press it to save.

or:

■ Select the saved radio station with ⊘ / ⊙ and press it to overwrite.

Opening a saved station

The radio is switched on.

■ Touch the ↰ button until main menu appears (Figure 3).

■ Select the control panel **FM Radio** using ⊘ / ⊙ and press it.

■ Select the saved station using ⊘ / ⊙ and press it.

Deleting stations

The station to be deleted is played back.

■ Press the control panel with the station display.

■ Delete this storage slot using **Delete**.

Setting the alarm

The radio is switched on.

■ Touch the ↰ button until main menu appears (Figure 3).

■ Select the **Alarm and times** control panel with the ⊘ / ⊙ buttons and press it.

■ Select Alarm with ⊘ / ⊙ and press it.

■ Select On with ⊘ / ⊙ and press it.

■ If necessary, switch to **24/AM/PM** display.

■ Press the time to be set (hours or minutes). Set the time using ⊘ / ⊙ (figure 2).

■ Press ⏰ and, using ⊘ / ⊙, select and press a radio station or the electronic alarm signal.

■ Press ☑ to apply the settings.

ℹ When the alarm is active and the radio switched off, the alarm symbol ⏰ is displayed.

ℹ Alarm operations can be terminated using ⏻ or moved by intervals of 5 minutes (snooze) by pressing another control panel.

Setting timer (countdown)

The radio is switched on.

■ Touch the ↰ button until main menu appears (Figure 3).

■ Select the **Alarm** and **times** control panel with the ⊘ / ⊙ buttons and press it.

■ Select **Countdown** with ⊘ / ⊙ and press it.

■ Press the time to be set (hours, minutes or seconds). Using ⊘ / ⊙, set the time shown in brackets (Figure 4).

■ If necessary, set additional times.

■ Apply the time setting using ☑ and activate the countdown.

After the time has elapsed, an acoustic signal will sound - even if radio is being received.

ℹ The Sleep Mode function can be set accordingly.

Setting the language

■ Touch the ↰ button until main menu appears (Figure 3).

■ Select the Control panel **Settings** using the ⊘ / ⊙ buttons and press it.

■ Select **Language** using ⊘ / ⊙ and press it.

■ Select the appropriate language with ⊘ / ⊙ and press it.

ℹ The **Lighting, Default settings** and **Audio** functions can be set in the same way..

Setting to external audio device (AUX IN)

■ Touch the ↰ button until main menu appears (Figure 3).

■ Select the **External input** control panel using the ⊘ / ⊙ buttons and press it.

Information for electricians
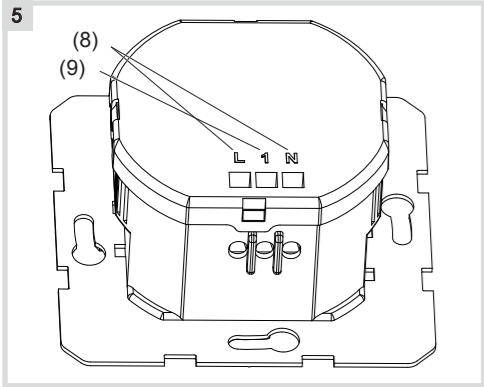
Installation and electrical connection

> ⚠ **DANGER!**
> **Touching live parts can result in an electric shock!**
> **An electric shock can be lethal!**
> **Before working on the device or load, disconnect all associated circuit breakers. Cover all live parts in the area!**
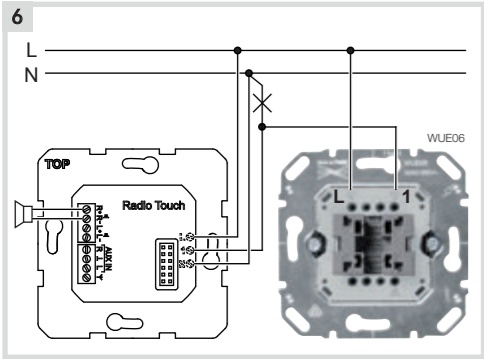
Connecting radio to lead (Figure 5)

(8) 230 V~ lead
(9) Extension unit

The lead is protected by means of a circuit breaker (max 16 A).

■ Connect the 230 V~ lead to the **L** and **N** terminals (Figure 5, 8).

Connect extension unit (optional)

■ If necessary, connect the extension unit (Figure 5, 9).

ℹ Switches, controllers and timers are suitable as extension units. The same phase should be used as for the radio (Figure 6).

ℹ Do not connect the load cable directly to the extension unit terminal but connect it directly to the switch or in connection boxes.

ℹ When switching on energy-saving lamps, electronic transformers and ballasts on the extension unit input, interference pulses may occur. We recommend wiring the extension unit input with a separate contact e.g. with a 2-pole switch or additional relay.
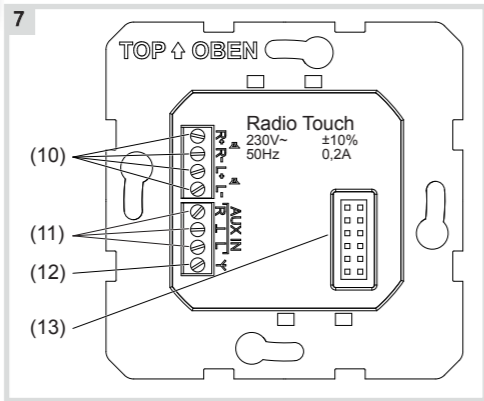
Connecting loudspeakers

> ⚠ **DANGER!**
> **If the loudspeakers are connected to the operating voltage in a shared cable, the operating voltage can reach the loudspeaker cables.**
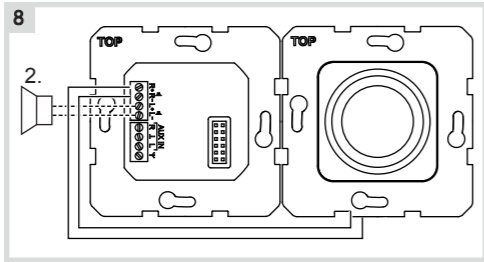> **Electric shock possible through touching the loudspeaker cable.**
> **An electric shock can lead to death.**
> **Route a separate loudspeaker wire.**

Connections on the radio insert (Figure 7) for:
(10) Loudspeaker (**L**, **R**)
(11) external audio devices **AUX IN**
(12) Antenna
(13) Radio application module (12-pole jack)

At least one loudspeaker must be connected for radio operation.

■ Connect the loudspeaker to the terminals ⊄ + (red) and ⊄ - (white) (Figure 7, 10).

ℹ Wires must be mounted in such a way, e.g. with cable ties, that a detached wire will not touch another potential in the event of a fault.

ℹ In stereo mode with 2 loudspeakers (Figure 8), the control panel with the station display can be used to switch manually to mono operation.

Connect external antenna

The radio must be operated with an external aerial wire in order to improve the FM reception and to achieve the intended audio quality. A suitable, insulated wire must be prepared separately.

ℹ Recommended wire length: approx. 90 cm (corresponds to a lambda/4 dipole). Recommended conductor cross-section: 0.75 mm².

> ⚠ **The wire and the tip of the antenna must be fully insulated from the terminal point!**

■ Prepare insulated aerial wire and connect to the terminal Ψ (Figure 7, 12).

ℹ Recommendation: Lay in a separate wiring conduit, stretched out, not parallel to other lines.

ℹ The aerial wire must be mounted in such a way within the wall box, e.g. with cable ties, that a detached wire will not touch another potential in the event of a fault.

Connect external audio device (optional)

■ Connect an external audio device **AUX IN** if necessary (Figure 7, 11).

ℹ Use shielded wires for interference-free signal transmission. Connect the shield to the terminal ⊥ according to the terminal labelling.

Assembling the device (Figure 1)

The inserts are connected.

■ Insert the inserts (Figure. 1, 4 and 5) correctly into the wall boxes and fasten them with the screws provided.

■ Place the 2gang frame (Figure1, 1) over the inserts and attach the Radio Touch application module (Figure 1, 2) and the loudspeaker centre plate (Figure 1, 3).

ℹ Carefully guide the contact pins on the radio application module into the socket (Figure 7, 13) on the insert without bending them.

ℹ Assemble the Radio Touch and loudspeaker separately with two 1gang frames or in combinations.

ℹ In combinations or in the immediate vicinity of electronic devices (e.g. ballasts), radio reception can be disturbed. Before installation at the assembly location, put the radio into operation and test it for interference. In case of interference, increase the distance to the source of interference.

Radio commissioning

The radio is assembled.

■ Switch the operating voltage on.

The display shows **Enter Time/Date**! and **back**.

■ Press the **Enter Time/Date**! control panel.

The **Manual** and **Automatic** and **Time Zone** control panels appear.

■ Press **Automatic**.

The time and date are set automatically as soon as a station with RDS reception is saved (see setting FM station with automatic search).

ℹ If no RDS signal is received, **Manual** must be selected (see Setting time and date manually).

ℹ The display language is preset to English and can be changed to German under **Setup**, **Language**.

ℹ When using 2 loudspeakers, both loudspeakers should be activated under **Settings, Audio**.

Appendix

Technical data

Radio Touch

Operating voltage	230 V~, 50/60 Hz
Rated current	0.2 A
Power consumption at rated output power	7 W
Stand-by operation	1.3 W
Music rated power output (sine) per channel	1.5 W
Loudspeaker impedance	4 ... 8 Ω/channel
Input impedance **AUX IN**	10 kΩ
Frequency range FM	87.5 ... 108 MHz
Operating temperature	5 ... 40°C
Protection class	II
Degree of protection	IP20
Connecting terminal	Screw terminals
Mains connection	2.5 mm²
Loudspeaker/AUX	1 mm²
Cable lengths:	
Loudspeaker	max. 20 m
AUX IN	max. 3 m
Extension units	max. 50 m
Installation depth	33 mm

Loudspeaker

Loudspeaker impedance	4 Ω
Sine output/music output	3/4 W
Frequency range	170 Hz ... 18 kHz
Pre-assembled cable	approx. 25 cm
Installation depth	35 mm

Accessories

Radio cover	WYA53xx
Loudspeaker cover	WYA54xx
Loudspeaker flush-mounted without cover	WUC54
Stereo jack 3.5 mm connector box 1gang	WYE810