:hager

(GB) Radio touch

WK350, WK352, WK353 kallysta

WK352 et WK353
Scope of delivery : Radio and speakers with design parts and fixing screws.

Structure of the device
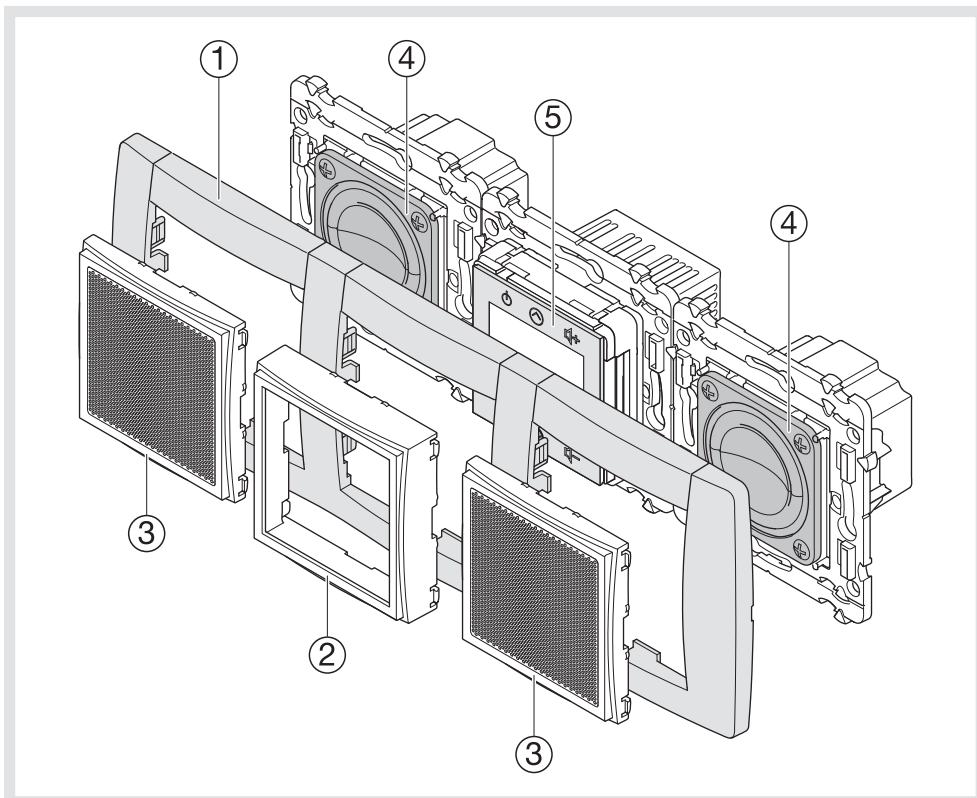① Frame kallysta
② Radio touch cover WK663x
③ Speakers cover WK664x
④ Speakers insert
⑤ Radio touch insert.

Function
The radio receives FM stations and plays them back by attached speakers.
Additional functions :
- Capacitive touch display.
- Manual and automatic station search.
- 8 storage places.
- Display of receiving frequency and RDS information.
- Display of time and date in standby mode.
- Automatic setting of time and date with RDS reception.
- Awake with radio station or acoustic signal.
- Timer with acoustic signal after defined time (also during radio reception).
- Sleep-Mode with automatic switch off.
- Display brightness adjustable in 8 steps and 10 times.
- AUX-IN for external audio sources e.g. docking station or MP3-Player on multimedia socket outlet.

⚠ **Proper use :**
- Only suitable for use in indoors.
- Flush-mounting in conform wall box.

Operation
Operation is exclusively does by touch control surfaces.

Operator control concept
The 6 symbolic operating elements arranged in the upper and lower display represent fixed push-buttons for frequent operating procedures.

⑥ Switch-on/switch-off
⑦ Return to the superordinate operating level
⑧ Scroll down/decrease value

⑨ Decrease volume
⑩ Increase volume
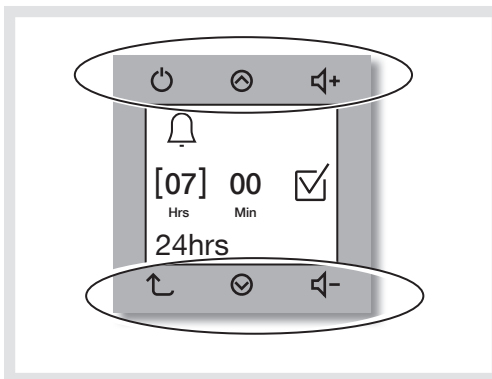⑪ Scroll up/increase value
⑫ Touch Display with variable display/control panels

On the display, either a 3 to 5 lines menu is displayed.

❗ Longer lines of text are displayed continuously with a one-second delay.
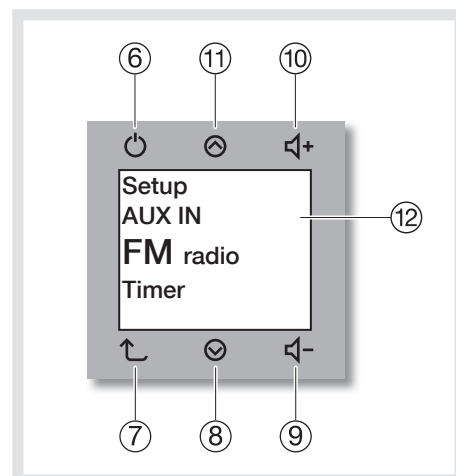
Switching on the radio

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

• Touch display or push-button ⏻.
The radio plays back the station that was last set.

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

Selecting a menu

The radio is switched on.
• Press button ↰ until main menu.
• Press button ⌃ / ⌄ of the display.

The active display in the middle control panel - displayed in bold - changes.

• Touch the active display with the desired menu.
A new menu will open.

❗ It might be necessary to make a further selection in the menu before the settings are possible.

Adjusting volume

The radio is switched on.
• Press the button ◁+/ ◁–.
The sound will be played back louder/quieter.

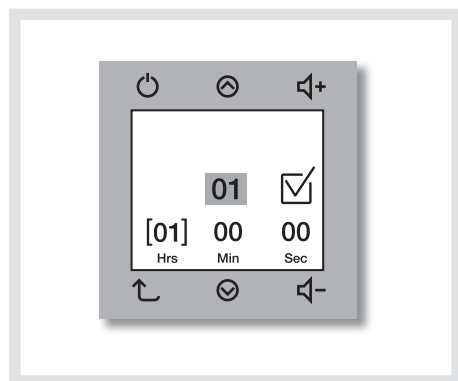❗ During setting of volume pressing on ◁≶ mute sound.

• Reactivate sound by double pressing on ◁+ or ◁–.

❗ Pressing the volume bar at the bottom in the middle or at the top - when adjusting the volume - adjusts the volume to 30, 60 or 100%.

Setting the time and date manually

The radio is switched on.
• Press button ↰ until main menu.
• Select control panel **Timer** with the buttons ⌃ / ⌄ and press.
• Select **Time/Date** with ⌃ / ⌄ and press.
• Select **Manual** with ⌃ / ⌄ and press.
• With ⌃ / ⌄ select the date format **EU/US** and apply with another control panel e.g. **year**.
• With ⌃ / ⌄ select the year and accept with **month**.
• With ⌃ / ⌄ select the month and apply with **day**.
• With ⌃ / ⌄ select the day and apply with **hours**.
• With ⌃ / ⌄ select the hours and apply with **min**.
• With ⌃ / ⌄ select the minutes and with ☑ save all settings.

Setting FM stations with automatic search

The radio is switched on.
• Press button ↰ until main menu.

• Select control panel **FM** radio with ⌃ / ⌄ and press.
• Select control panel **Automatic Scan** with ⌃ / ⌄ and press.
The first station found will be played back and displayed.
• With ⌃ continue the automatic search without saving

or

• Save the station (see **Saving station**).

Setting FM stations with manual search

The radio is switched on.
• Press button ↰ until main menu.
• Select control panel **FM Radio** with ⌃ / ⌄ and press.
• Select control panel **Manual Seek** with ⌃ / ⌄ and press.
• Set the reception frequency with ⌃ / ⌄ increase/decrease in 0.1 MHz increments until a station is received noise-free.
• With ⌃ continue the manual search without saving

or

• Save the station (see **Saving station**).

Saving a station

The station searched for is played back.
• Press the tuning indicator in the control panel.
• Press **Save**.
• Select **New Station** with ⌃ / ⌄ and press to save

or

• Select saved radio station with ⌃ / ⌄ and press.

Calling up a saved station

The radio is switched on.
• Press button ↰ until main menu.
• Select control panel **FM Radio** with ⌃ / ⌄ and press.
• With ⌃ / ⌄ select the saved station and press.

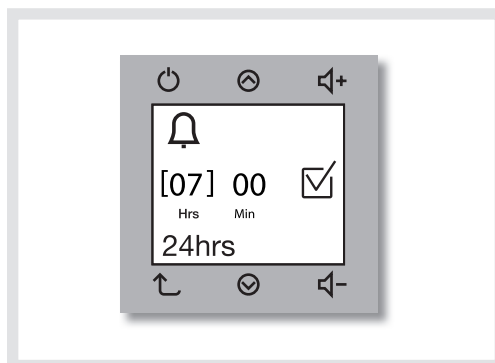❗ If a storage place is called up, it is possible with ⌃ / ⌄ to skip to the next or previous storage place.

Deleting a station

• Press button ↰ until main menu.
• Select station to delete with ⌃ / ⌄ and press.
• Press again the station.
• Select **Delete** with ⌃ / ⌄ and press.

Setting the wake up

The radio is switched on.
• Press button ↰ until main menu.
• Select menu **Timer** with the ⌃ / ⌄ and press.
• Select **Wake Up** with ⌃ / ⌄ and press.
• Select **On** withc ⌃ / ⌄ and press.
• Switch over the display **24/AM/PM** if necessary.
• Press the time to be set (hours or minutes). With ⌃ / ⌄ , set the **time**.
• Press 🔔 and with ⌃ / ⌄ , select a radio station or electronic wake up signal and press.
• With ☑ apply the settings.

❗ If the Wake Up is activated and the radio is switched off, the Wake Up symbol 🔔 will be displayed.

❗ Wake Up procedures can be ended with ⏻ or delayed by 5 minutes respectively (**Snooze**) by pressing another control panel.

Setting up countdown

The radio is switched on.
• Press button ↰ until main menu.
• Select control panel **Timer** with ⌃ / ⌄ and press.
• Select **Countdown** with ⌃ / ⌄ and press.
• Press the time to be set (hours, minutes or seconds). With ⌃ / ⌄ , set the time displayed in brackets.
• Accept the time setting with ☑ and activate the countdown.

❗ Once the time has elapsed - also during radio reception - an acoustic signal will sound.

❗ The **Sleep Mode** function can be set accordingly.

Setting the language

• Press button ↰ until main menu.
• Select control panel **Setup** with ⌃ / ⌄ and press.
• Select **Language** with ⌃ / ⌄ and press.
• Select the corresponding language with ⌃ / ⌄ and press.

❗ **Reset to Defaults** and **Sound** functions can be set accordingly.

Setting background display color

• Press button ↰ until main menu.
• Select control panel **Setup** with ⌃ / ⌄ and press.
• Select control panel **Display** with ⌃ / ⌄ and press.
• Define background display color (white or black) with ⌃ / ⌄ and press ☑.

❗ The change of background display color is taken into account and the menu of setting backlight displays.

Setting backlight

• Press button ↰ until main menu.
• Select control panel **Setup** with ⌃ / ⌄ and press.
• Select control panel **Display** with ⌃ / ⌄ and press.
• Define operation and time of backlight : On - 60 mn - 45 mn - 20 mn - 10 mn - 5 mn - 60 sec - 30 sec with ⌃ / ⌄ and press.
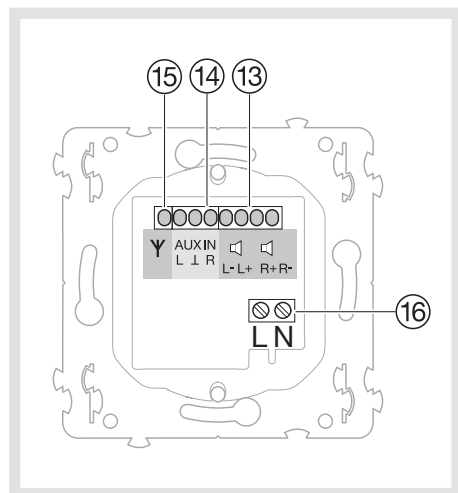• Define luminosity : 0 to 100 % with ⌃ / ⌄ and press.

❗ The **Reset to Defaults** and **Sound** functions can be set accordingly.

Setting to external audio device

• Press button ↰ until main menu.
• Set control panel **AUX In** with ⌃ / ⌄ and press.

Information for electricians

Installation and electrical connections

Connections on the radio insert
⑬ Speakers (L, R))
⑭ External audio devices AUX IN
⑮ Antenna
⑯ Lead 230 V∼

Connecting radio to lead
The lead is protected by means of a circuit breaker (max 16 A).
- Connect lead 230 V∼ to the terminals L and N.

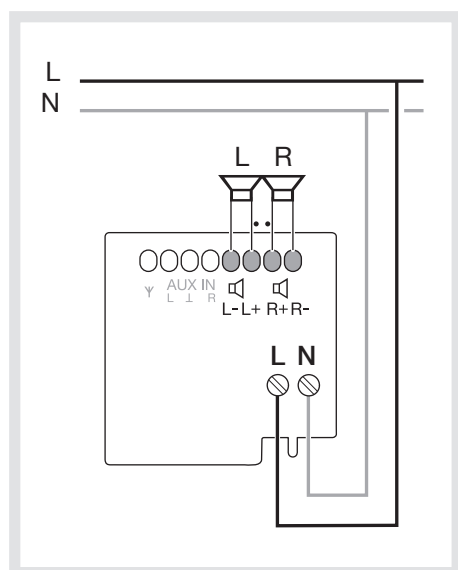### Connecting speakers and auxiliary equipment

> ⚠ If the speakers are connected to the operating voltage in a shared cable, this can reach the speaker cables. Electric shock is possible if the speaker cables are touched.
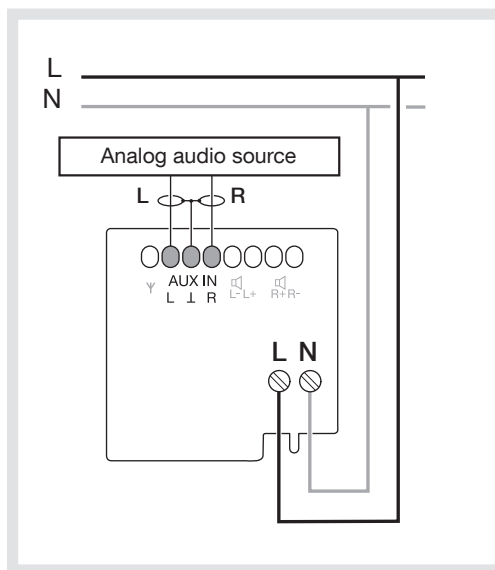>
> **An electric shock can lead to death.**

> ❗ Connect at least one speaker for using the radio.

- Attach the speaker to the terminals ◁+ (brown), ◁− (blue).

- Connect additional extension units if necessary.

> ❗ In stereo mode with 2 speakers, it is possible to change to mono mode manually via the control panel with the tuning indicator.

> ❗ Use shielded cables for interference-free signal transmission. Attach the shield ⊥ to the terminal according to the terminal labelling.

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

> ❗ When using a wire as an external aerial, make sure that the aerial does not come into contact with 230 V or is insulated.

Assembling the devices
The inserts are connected.
- Place the inserts ④ ⑤ into the wall box in the correct position and fasten with the screws provided.
- Position the frame kallysta ① over the inserts and attach radio touch ② and speakers covers ③.
- Guide the contact pins on the radio cover carefully.

> ❗ Radio Touch and speakers must also be assembled separately from one another with 3 frame 1gang or in combinations.

Commissioning the radio
The radio is assembled.
- Switch on operating voltage.
The display shows **Enter Time/Date**.
- Press control panel **Enter Time/Date**. The control panels **Time Setup Manual Seek** and **Automatic** 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).

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

> ❗ When using 2 speakers, it is necessary to activate both speakers under **Setup, Sound**.

> ❗ When using an antenna, it is necessary to activate the antenna under **Setup, FM Antenna**.

Specification

Radio touch

Operating voltage:	230 V∼, 50/60 Hz
Rated current:	0,2 A
Power consumption at rated output power:	7 W
Stand-by:	1,3 W
Music rated output power (Sinus) per channel:	1,5 W
Speaker impedance:	4 … 8 Ω / channel
Input impedance AUX IN:	10 kΩ
Frequency range:	87,5 … 108 MHz
Operating temperature:	5 … 40 °C
Isolation class:	II
Protection class:	IP21
Schock resistance:	IK03
Connection terminals:	screw terminals
Lead connection:	1 to 2,5 mm²
Speaker/AUX connection:	0,5 to 1 mm²
Cable length:	
- Speakers:	max. 20 m
- AUX-IN:	max. 3 m
- Extension units:	max. 50 m
Installation depth:	33 mm

Speaker

Speaker impedance :	8 Ω
Sinus output/music output:	4/8 W
Frequency range:	170 Hz … 20 kHz
Prefabricated cable length approx. :	env. 30 cm

Accessories

Loudspeaker	WK351
Ceiling speaker	WUZ671
Ceiling speaker 2"	WUZ672

Troubleshooting

Poor FM radio reception
Cause: Internal FM antenna is not sufficient for reception.
- Attach an additional antenna.

Cause: Stereo playback is selected.
- Switch to Mono.

Poor audio signal when using with external audio device
Cause: An insufficiently shielded cable was used for the connection.
- Replace the connecting cable for the external audio device.

Cause: Shield of the cable is not connected correctly to the terminal of the AUX IN connection.
- Check the connection of the shield and rectify if necessary.

The device is at the end of its serviceable life never throw it away in the household waste under any circumstances.

When used as intended, this device complies with the requirements of the RTTE Directive (1999/5/EC).

A complete declaration of conformity can be found on the Internet at www.hager.com

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