

FOR A GOOD REASON

**GRUNDIG**

**HiFi MUSIC  
CENTER**

Ovation 3  
CDS 8120

en

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# SET-UP AND SAFETY

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Please note the following instructions when setting up the system:

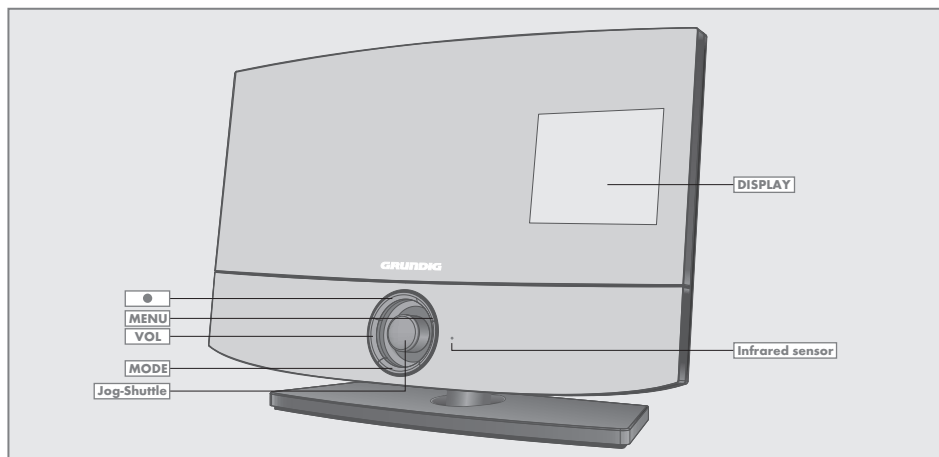
- The hi-fi system is designed for the playback of audio signals. Any other use is expressly prohibited.
- If you want to set up the hi-fi system on wall shelves or in cupboards, please ensure that it is adequately ventilated. There must be at least 10 cm of space at the side, above and behind the hi-fi system.
- Do not cover the hi-fi system with newspapers, table cloths, curtains, etc.
- When setting up the hi-fi system, remember that furniture is often coated with various types of varnish and plastic, which often contain chemical additives. These additives may cause corrosion to the feet of the unit. This may leave stains on the surface of the furniture which can be difficult or impossible to remove.
- If the hi-fi system is exposed to sudden changes in temperature, for example when taken from the cold into a warm room, wait at least two hours before using it.
- The hi-fi system is designed for use in dry rooms. If you do use it outdoors, make sure it is protected from moisture such as dripping or splashing water.
- Only use the hi-fi system in a moderate climate.
- Do not place the hi-fi system close to heating units or in direct sunlight, as this will impair cooling.
- Do not place any vessels containing liquids, such as vases, on the hi-fi system. Do not insert any foreign objects in the CD compartment.
- Do not place any objects such as burning candles on the hi-fi system.
- Do not open the hi-fi system casing under any circumstances. Warranty claims are excluded for damage resulting from improper handling.
- Thunderstorms are a danger to all electrical devices. Even if the hi-fi system is switched off, it can be damaged by a lightning strike to the mains. Always disconnect the mains plug during a storm.
- Continuous use at high volume level can cause damage to the user's hearing.

## Note:

- Do not connect any other equipment while the device is switched on. Switch off the other devices as well before connecting them.
- Only plug the device into the mains socket after you have connected the external devices. Make sure the power plug is freely accessible.

# OVERVIEW

## The hi-fi system controls

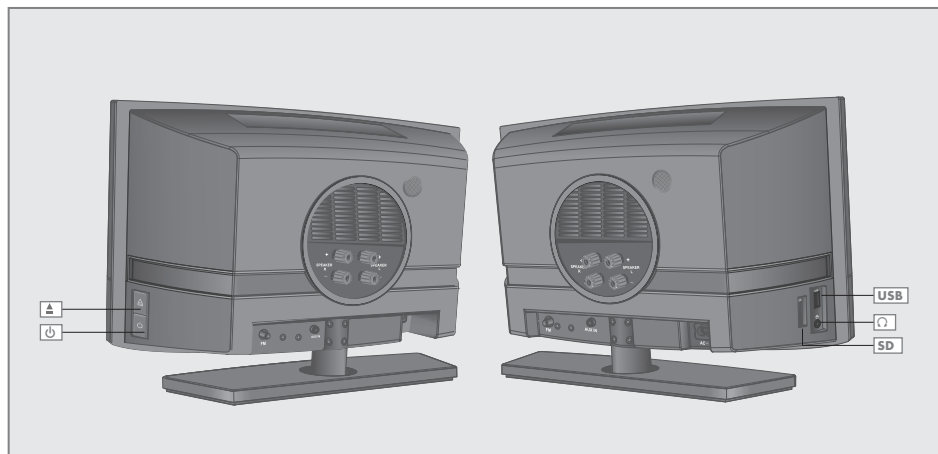





### The front of the device

- Recording button, starts or ends recording to USB memory stick or SD/SDHC/MMC memory card.
- VOL** Volume button, opens the control menu for the volume or sound settings.
- MENU** Menu button, opens the control menu for different modes of operation.
- MODE** Mode button, opens the mode menu for selecting sound source for FM TUNER, AUX, CD, SD, USB and SET UP modes.
- Jog-Shuttle** Rotate the Jog-Shuttle to choose the desired options.  
Press the Jog-Shuttle to confirm the selected options.
- Display of the hi-fi system, for more details, please see "The hi-fi system displays" section.
- Infrared sensor for remote control signals.

# OVERVIEW

## The sides of the device

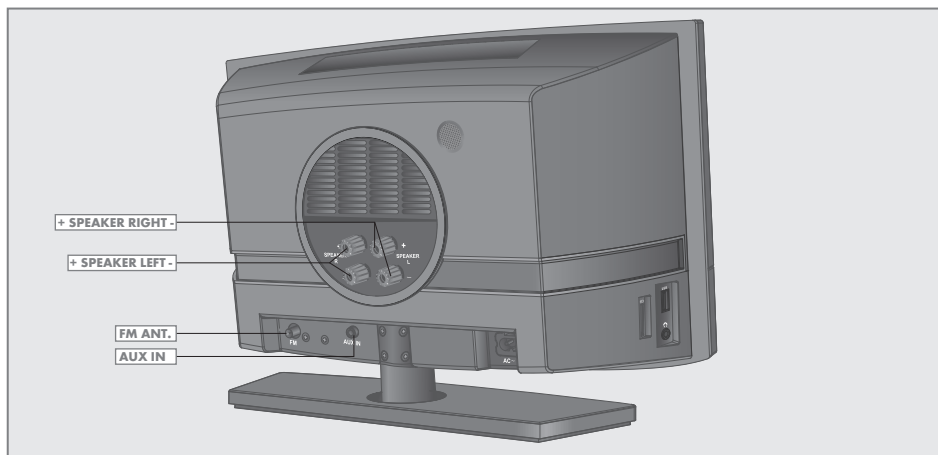


-  Headphone socket for connecting a stereo headphone set with a jack plug ( $\varnothing$  3.5 mm). This automatically switches off the loudspeakers.
- USB** USB socket for connecting MP3 player, a USB memory stick or a card-reading device.
- SD** Card slot for inserting a memory card (SD or SDHC).
-  Opens and closes the CD compartment panel.
-  Switches the hi-fi system to and from standby mode.

# OVERVIEW

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## The back of the device



### FM ANT.

Antenna socket for the antenna cable or wire antenna for FM reception.

### AUX IN

Audio signal input for connecting an external source.

### + SPEAKER RIGHT -

Terminals for connecting the loudspeaker cable, right channel, (red = plus, black = minus).

### +SPEAKER LEFT -

Terminals for connecting the loudspeaker cable, left channel, (red = plus, black = minus).

### AC ~

For connecting the power supply unit.






### Note

- The only way to fully disconnect the hi-fi system from the mains is to pull out the plug.

# OVERVIEW

## The remote control



-  Switches the hi-fi system to standby mode and from standby mode to the last input source selected.
-  Recording button, starts or ends recording to USB memory stick or SD/SDHC/MMC memory card.
- VOL** Volume button, opens the control menu for the volume or sound settings.
- MODE** Mode button, opens the mode menu for selecting sound source for FM TUNER, AUX, CD, SD, USB and SET UP modes.
- MENU** Menu button, opens the control menu for different modes of operation. Press the Jog-Shuttle to confirm the selected options.
- Jog-Shuttle** Rotate the Jog-Shuttle to choose the desired options, and confirm by pressing on it. For more details, please see "Jog-Shuttle" section.
- 1 ... 0, +10**  
 In tuner mode: selects presets directly; for selecting two-digit presets, press first +10 and then the numeric button.  
In MP3/USB/SD mode: selects albums forwards and backwards in steps.
-  In CD/USB/SD mode: starts and pauses playback.
-  In CD/USB/SD mode: briefly press to select files or tracks backwards or forwards. Press and hold down to start searching backwards or forwards for a particular passage.



- In CD/USB/SD mode: interrupts the playback. Press twice to stop playback.
- DSC/UBS/WEC** Selects the sound setting by pressing briefly. Press and hold down, switches the ultra bass system on and off. Cancels or reactivates the switch-on timer function for the weekend (in stand by mode).
- S/N** In operation: sets the sleep timer. In stand by: sets the reminder timer.
- REP./INT./TIMER** In CD/USB/SD mode: Repeatedly press to select repeating a track, all tracks or an album. Play the introduction of each track. In stand by: press and hold down to open the timer menu; press briefly to switch the timer function On or Off.
- DISPLAY** Selects available announcements; press and hold to enlarge the display informations.
- SNOOZE** Cancels the alarm function up to 90 minutes.
- RAND./PROG./TIME** In tuner mode: stores radio stations. In MP3/WMA and CD mode: Saves files/tracks in the desired order for playback. Playing the content in random order or playing the intro of each track. In stand by: sets the time.
- BRIGHT** Changes the brightness of display to one of the four levels (bright, medium, dim, off).
- 🔊 Switches the loudspeakers of the hi-fi system to mute and back on again.

# OVERVIEW

## The hi-fi system displays



88.88



Displays the current time.

In tuner mode: displays the frequency band and frequency, the station name, the station type and the radio text information provided when RDS information is contained in the radio signal, the preset for a saved radio station.

In CD/USB/SD mode: displays the total number of files or tracks, the number of the current file, the total playing time, the elapsed playing time and the ticker text in ID3 tag mode.

**PTY**

The PTY function is activated.

**TEXT**

Appears when radiotext function is active.



The hi-fi system is receiving a RDS station.

**PM**

Shows PM if 12H is selected.



Lights up, if RDS time synchronization is completed. Flashes when the hi-fi system is waiting for an RDS time signal.

**ALL** 

In CD/USB/SD mode: all tracks or files are repeated.

**1** 

In CD/USB/SD mode: current track or file is repeated.

**ALBUM** 

In MP3/WMA: all files in the current album are repeated.

**RANDOM**

In CD/USB/SD mode: all tracks or files are played in random order.

**INTRO**

In CD/USB/SD mode: the first 10 seconds of all the tracks or files are played.

**PROG**

In CD/USB/SD mode: tracks or files are programmed.

In tuner mode: tuner stations are programmed manually or automatically.

**USER/ROCK/POP / JAZZ/ CLASSIC**

The sound setting is selected using »DSC/UBS« on the remote control.



Displays when the ultra bass system is activated, disappears when deactivated.



In tuner mode: a stereo station is being received.



In CD/USB/SD mode: playback.



In CD/USB/SD mode: pause.



The switch on timer for the buzzer is active.



The switch on timer for tuner/CD/USB/SD is active.



The switch on timer for the weekend is cancelled.

**NAP**

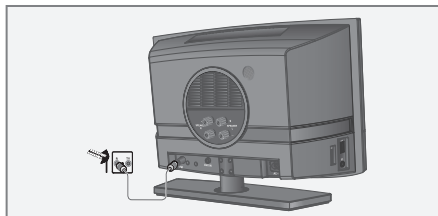
The reminder timer is active.



The sleep timer is active.

# CONNECTION AND PREPARATION

## Connecting the antenna

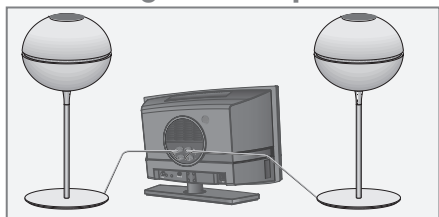


- 1 Plug the auxiliary antenna supplied or the roof antenna cable into the »**FM ANT.**« socket.

### Note:

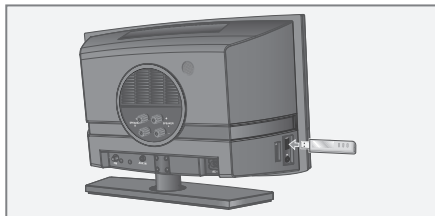
- If no roof antenna is available, use the auxiliary antenna supplied. When suitably positioned, this antenna provides reasonably good reception of local FM (VHF) channels. Do not shorten the auxiliary antenna.

## Connecting the loudspeakers



- 1 Insert the loudspeaker cables into the terminals »**+ SPEAKER LEFT** -« and »**+SPEAKER RIGHT** -«.  
- Connect the marked cable to the red terminal.

## Connecting a USB memory stick



The hi-fi system supports most USB memory sticks.

### Note:

- The hi-fi system must be switched off while the USB connection is being made. If it is not switched off, data can be lost.

- 1 Switch off the hi-fi system by pressing »**⏻**«.
- 2 Connect the USB interface of the MP3 player to the »**USB**« socket on the hi-fi system (on the left side) using a standard USB cable;  
or  
insert the USB plug of the USB memory stick in the »**USB**« socket on the hi-fi system (on the left side).

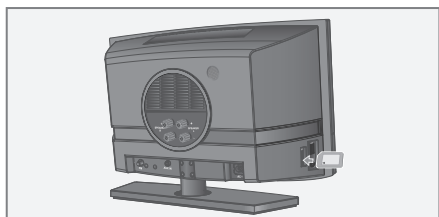
### Notes:

- To remove the MP3 player or the USB memory stick, switch off the hi-fi system and pull out the cable for the data medium.
- The USB socket on the hi-fi system does not support a connection for a USB extension cable and is not designed for directly connecting to a computer.

# CONNECTION AND PREPARATION


## Inserting a memory card

The hi-fi system supports SD/SDHC and MMC memory cards.



### Note:

- The hi-fi system must be switched off while the memory card is being inserted. If it is not switched off, data can be lost.

- 1 Switch off the hi-fi system by pressing .
- 2 Insert the card carefully into the »SD« card slot (on the left side) with gold contacts first and facing to the backside, until it latches into place.


### Note:

- Do not use excessive force when inserting the memory card. Only apply slight pressure.
- The memory cards are resistant to dirt and moisture, but may only be inserted into the hi-fi system in a dry and clean condition.
- Never remove memory cards during operation. This can damage the memory card. This type of damage will invalidate your warranty.

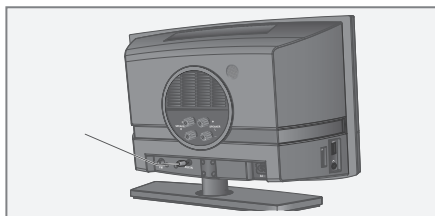
## Removing the memory card

### Note:

- The hi-fi system must be switched off while the memory card is being removed. If it is not switched off, data can be lost.

- 1 Switch off the hi-fi system by pressing .
- 2 Remove the memory card from the card slot by pressing the card inwards slightly until the latch is released. Then pull out the card.

## Connecting external devices

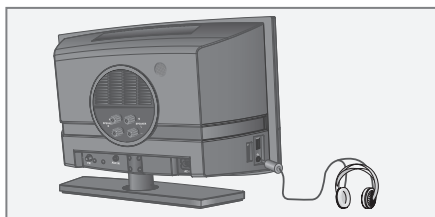



### Note:

- Switch the hi-fi system off before you connect external devices.

- 1 Use a standard audio cable to connect the audio output of the external device to the socket »AUX IN« on the back of the hi-fi system.

## Connecting the headphones



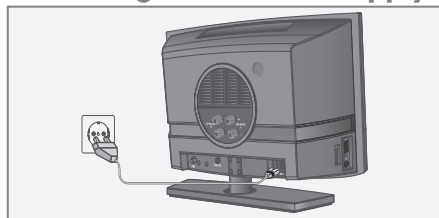
- 1 Insert the headphone plug (ø 3.5 mm) into the  socket on the left side of the hi-fi system.
  - The loudspeakers of the hi-fi system are switched off.

### Note:

- Excessive sound pressure from the earphones or headphones can cause hearing loss.

# CONNECTION AND PREPARATION

## Connecting to the mains supply



### Notes:

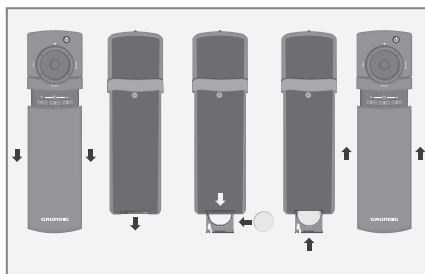
- Check that the mains voltage on the type plate (on the bottom of the hi-fi system) corresponds to your local mains supply. If this is not the case, contact your specialist dealer.
- Before connecting the AC power cord to the wall socket, ensure that all other connections have been made.

- 1 Insert the supplied mains cable into the »AC~« socket on the hi-fi system.
- 2 Plug the power cord into the wall socket.

### Caution:

- The hi-fi system is connected to the mains with the power cord. Pull out the power plug if you want to completely disconnect the hi-fi system from the mains.
- Make sure the power plug is easily accessible during operation and not hindered by other objects.

## Putting battery in the remote control



- 1 Remove the cover of the remote control by sliding it backwards and pulling out.
- 2 Open the battery compartment by pushing the tab and sliding the battery tray out.
- 3 Insert one CR2025 battery with the correct polarity as shown on the battery tray.
- 4 Slide the battery tray into the battery compartment.
- 5 Install the cover of the remote control by sliding it forwards and pushing until it clicks into its place.

### Notes:

- Do not expose the battery to extreme heat, caused for example by direct sunlight, heaters or fire.
- Remove the battery when it is flat or when you know that the hi-fi system will not be used for a long period of time.

### Environmental note:

- Batteries, including those which do not contain heavy metal, should not be disposed of with household waste. Always dispose of used batteries in accordance with local environmental regulations.

## Functions and operation using the Jog-Shuttle on the hi-fi system and the remote control

You can perform many functions using the Jog-Shuttle and the operation buttons »VOL«, »●«, »MENU« and »MODE« on the hi-fi system and remote control. The mode of operating with both controls is the same.

### Functions

The hi-fi system and the remote control are equipped with four operation buttons:

#### »VOL«

- VOLUME: For setting the volume.
- UBS: Ultrabass system on/off.
- EQ: Selects the sound setting (USER, CLASSIC, POP, JAZZ, ROCK, EQ OFF). If you select USER, you can set bass, treble and balance for individual sound setting.

#### »●«

- REC: For recording the selected sound source to USB or SD/SDHC/MMC memory card.
- Record to USB: Selects USB to record the track or file.
- Record to SD: Selects SD to record the track or file.

#### »MENU«

- In tuner mode:
- PRESET: Selects a preset.
  - AUTO TUNE: Starts the automatic station search.
  - TUNE: Manual station tuning in 50 kHz increments.
  - FM MODE: Stereo/mono switching.

#### »MENU«

- In CD-mode, SD-mode, USB-mode:
- START or STOP: Starts or stops playback.
  - ALBUM: Next/previous album (if available on data medium).
  - SKIP: Next/previous track.
  - SEARCH: Searches for music passage.

#### »MODE«

- FM, AUX, CD, SD, USB: input sources.
- SETUP:
  - TIME SET: Sets the time.
  - TIMER SET: Sets the timer.
  - REC QUALITY: Selects Standard or Long Play recording.
  - VERSION: Software version.
  - RESET: Resets to the factory defaults.

**Jog-Shuttle:** With the Jog-Shuttle, you can choose and confirm the selected operations and functions.

#### Note:

- To reduce power consumption, the Jog-Shuttle switches to stand by after about 5 minutes. Press »VOL« to reactivate the Jog-Shuttle.

## Operation

Press on »VOL«, »MODE«, »MENU« or »●«.  
Turn the Jog-Shuttle to select the function and press on it to activate.

In the selected menu you can select one of the submenus – this can also be done by turning the Jog-Shuttle. This is activated by pressing on it.

### Note

- If no entry is made within 10 seconds, the hi-fi system exits the input mode.

## Example – setting the timer


- 1 Press on »MODE« to select the »MODE« menu.
- 2 Turn the Jog-Shuttle until the »SETUP« menu item appears.
- 3 Activate the menu by pressing on the Jog-Shuttle.  
– The »TIME SET « sub-menu is displayed.
- 4 Turn the Jog-Shuttle until the »TIMER SET« sub-menu item appears.
- 5 Activate the sub-menu by pressing on the Jog-Shuttle.  
– The »BUZZER« timer menu is displayed.
- 6 Enter the hour for the switch-on time by turning the Jog-Shuttle and confirm by pressing on it.
- 7 Enter the minutes for the switch-on time by turning the Jog-Shuttle and confirm by pressing on it.
- 8 Enter the input source by turning the Jog-Shuttle and confirm by pressing on it.

### Note:




- If you select the FM input source, you must also set the preset and the volume and then confirm.

## Automatic tuning search for FM radio stations (ATS)

After connecting the hi-fi system to the mains power for the first time, the automatic tuning search begins. It searches for radio stations and can save up to 40 presets.

- Display: the frequency in rapid run-through and the preset.
- After the search, the demo mode is started automatically. This shows you the functions of the hi-fi system. Press »« button to exit the demo mode. The hi-fi system then switches to the preset 1.



### Notes:

- The hi-fi system first saves RDS stations and then normal FM stations.
- The automatic station search can also be stopped by pressing »«.
- Some RDS stations transmit an RDS time signal. If the selected RDS station transmits time information, the time is updated automatically provided that »« is set to »«. This takes about five minutes.

## Setting the clock – manually

The first time you connect the hi-fi system to the mains, time can be set manually, as not all radio stations transmit the RDS time signal.

- 1** In standby mode, press »**TIME**« on the remote control, once to select 12 hours format, twice to select 24 hours format.
  - Display: »**12 H**« or »**24 H**«.
- 2** Press and hold down »**TIME**« until the hours digits flash on the display.
  - Display: the hours flash.
- 3** Set the hours by rotating the Jog-Shuttle on the remote control and confirm with »**TIME**« on the remote control or by pressing the Jog-Shuttle.
  - Display: the minutes flash.
- 4** Set the minutes by rotating the Jog-Shuttle on the remote control and confirm with »**TIME**« on the remote control or by pressing the Jog-Shuttle.
  - Display: the year flashes.

- 5** Set the year by rotating the Jog-Shuttle on the remote control and confirm with »**TIME**« on the remote control or by pressing the Jog-Shuttle.
  - Display: the month flashes.
- 6** Set the month by rotating the Jog-Shuttle on the remote control and confirm with »**TIME**« on the remote control or by pressing the Jog-Shuttle.
  - Display: the day flashes.
- 7** Set the day by rotating the Jog-Shuttle on the remote control and confirm with »**TIME**« on the remote control or by pressing the Jog-Shuttle.
  - Display: »« lights up and »« flashes.
- 8** Select the RDS time synchronisation by rotating the Jog-Shuttle on the remote control and confirm with »**TIME**« on the remote control or by pressing the Jog-Shuttle.
  - Display: the current time and date.

### Notes:

- The time and date must be reset after a power failure or after disconnecting from the mains, when no RDS station is available which supports clock synchronisation function.
- Some RDS stations transmit an RDS time signal. If the selected RDS programme transmits this time information, the time on the system is automatically updated. This may take a few minutes.

## Tuning and storing radio stations

After the initial automatic station search, you can also adjust radio stations whenever you want.

### Programming radio stations – automatically for all available radio stations

Automatic programming starts from the preset number (1) and former programmed radio stations will be overridden.

- 1 Switch on the hi-fi system from standby mode by pressing »**⏻**«.
- 2 Press »**MODE**« and rotate Jog-Shuttle to find »**FM TUNER**« on display and confirm by pressing on the Jog-Shuttle.
- 3 Press and hold down »**PROG.**« on the remote control to start the programming automatically.
  - Display: »**ATS**«, available stations start to be programmed in order of waveband reception strength.
  - Display: »**P01**« when the first station is stored.

#### Notes:

- When the automatic station search is finished, the last preset number disappears. Station stored at preset position 1 starts to play.
- To stop the automatic programming. Press »**■**«.

### Programming radio stations – automatic tune, for the next radio station

Automatic tune starts from the current radio station and stops at the next found station.

- 1 Switch on the hi-fi system from standby mode by pressing »**⏻**«.
- 2 Press »**MODE**« and rotate Jog-Shuttle to find »**FM TUNER**« on display and confirm by pressing on the Jog-Shuttle.
- 3 Press »**MENU**«, rotate the Jog-Shuttle to find »**AUTO TUNE**« on display and confirm by pressing on the Jog-Shuttle.
- 4 Rotate the Jog-Shuttle clockwise to start the auto tune from the current frequency to higher frequency;

or

rotate the Jog-Shuttle counter-clockwise to start the auto tune from the current frequency to lower frequency;

- The frequency display changes rapid run-through. The search stops if a station with sufficient reception is found.

#### Note:

- When the end of the frequency band is reached, it will recommence searching from the opposite end of the frequency band.
- 5 To store the radio station press »**PROG.**«.
    - Display: »**PROG**« and preset number flashes.
  - 6 Press number buttons »**1**« or »**9**« to store stations in preset position »**P01**« or »**P09**«.

#### Note:

- To store presets »**P10**« to »**P40**«, first press »**+10**« (for the tens digit) and then »**1**« to »**9**«, ( for the units digit). If you do not press any button for the units digit, it will be automatically set to »**0**«.
- 7 To search and store more stations, repeat step 4 to 6.

#### Notes:

- If stations are already stored in the preset positions, they are overwritten when new stations are stored.

## Programming radio stations – manually

- 1 Switch on the hi-fi system from standby mode by pressing »**⏻**«.
- 2 Press »**MODE**« and rotate Jog-Shuttle to find »**FM TUNER**« on display and confirm by pressing on the Jog-Shuttle.
- 3 Press »**MENU**« and rotate the Jog-Shuttle to find »**TUNE**« on display and confirm by pressing on the Jog-Shuttle.
- 4 Rotate the Jog-Shuttle to find the required frequency.
  - Display: the frequency changes in steps of 50 kHz.
- 5 To store the radio station press »**PROG.**«.
  - Display: »**PROG**« and preset number flashes.
- 6 Press number buttons »**1**« or »**9**« to store stations in preset position »**P01**« or »**P09**«.

### Note:

- To store presets »**P10**« to »**P40**«, first press »**+10**« (for the tens digit) and then »**1**« to »**9**«, (for the units digit). If you do not press any button for the units digit, it will be automatically set to »**0**«.

- 7 To store more stations, repeat step 4 to 6.

### Note:

- If stations are already stored in the preset positions, they are overwritten when new stations are stored.

## Adjusting the brightness of the display

- 1 Repeatedly press »**BRIGHT**« on the remote control to change the brightness of the display in four levels.

### Notes:

- Minimum power consumption in standby mode is only achieved if the backlighting in the display is switched to minimum.
- It is possible to use different brightness for operating mode and stand by mode.

# GENERAL FUNCTIONS

## Switching on and off

The only way to disconnect the hi-fi system from the mains supply is to pull out the plug from the wall socket.

- 1 Switch on the hi-fi system from standby mode by pressing **»ON«** on the remote control or on the hi-fi system.
  - The system switches to the last selected source.
- 2 Switch the hi-fi system to standby mode by pressing **»ON«** on the remote control or on the hi-fi system.
  - Display: the current time and date.

## Selecting the input source

- 1 Press **»MODE«** and rotate the Jog-Shuttle to select **»FM TUNER«**, **»AUX«**, **»CD«**, **»SD«**, **»USB«** on display and confirm by pressing on the Jog-Shuttle;
  - Display: **»FM TUNER«**, **»100.60 MHz«** (frequency of the radio station), **»AUX«**, **»CD«**, **»SD«** or **»USB«**.







## Adjusting the volume

- 1 Press **»VOL«**, confirm by pressing on Jog-Shuttle and rotate the Jog-Shuttle to adjust the volume;  
or  
during playback, rotate the Jog-Shuttle to adjust volume.
  - Display: briefly from **»VOL MIN«** to **»VOL MAX«**.

## Selecting sound settings

You can choose between different preset sound settings.

- 1 Press consecutively **»DSC/UBS«** on the remote control to select the sound setting from **»USER«**, **»CLASSIC«**, **»POP«**, **»JAZZ«**, **»ROCK«** and **»EQ OFF«**.

- Display:  «, »  «, »  «, »  «, »  «,  
 «, »EQ OFF«.

## Setting the equaliser

The user sound setting allows you to make your own personal equaliser settings.

- 1 Briefly press **»DSC/UBS«** until **»USER«** is shown on the display and confirm by pressing on the Jog-Shuttle.
  - Display: **»BASS«**.
- 2 Confirm bass by pressing on the Jog-Shuttle. Set the value of bass by rotating the Jog-Shuttle and confirm by pressing on it.
  - Display: **»TREBLE«**.
- 3 Confirm treble by pressing on the Jog-Shuttle. Set the value of treble by rotating the Jog-Shuttle and confirm by pressing on it.
  - Display: **»BALANCE«** and the value setting scale.
- 4 Set the value of speaker balance by rotating the Jog-Shuttle and confirm by pressing on it.

### Note:

- If you do not press any button for 5 seconds, the hi-fi system will automatically quit the setting.

# GENERAL FUNCTIONS

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## Switching the Ultra Bass System on and off

- 1 Press and hold down **»DSC/UBS«** to switch the Ultra Bass System on and off.
  - Display: **»UBS«** appears when the UBS is activated and disappears when deactivated.

### Note:

- If you select user sound setting, wait until **»USER«** disappears, or follow the below procedures.

- 1 Press **»VOL«** to open the sound control menu.
- 2 Rotate Jog-Shuttle to select **»UBS«** and then confirm by pressing on it.
- 3 Rotate Jog-Shuttle to select **»UBS ON«** or **»UBS OFF«** and then confirm by pressing on it.

## Muting

You can switch the hi-fi speakers to and from mute mode with this function.

- 1 Activate mute with **»MUTE«** on the remote control.
  - Display: **»MUTE ON«**.
- 2 Deactivate mute with **»MUTE«** on the remote control.
  - Display: **»MUTE OFF«**.

## Enlarge the display information

You can enlarge the display informations.

- 1 Press and hold **»DISPLAY«** on the remote control to enlarge the upper line of display information.
- 2 Press and hold **»DISPLAY«** again to enlarge the lower line of display information.
- 3 Press and hold **»DISPLAY«** again to show both lines in normal size.

# TUNER MODE

## Selecting the tuner input source

- 1 Switch on the hi-fi system from standby mode by pressing **»⏻«** on the remote control or on the hi-fi system.
- 2 Press **»MODE«** and rotate Jog-Shuttle to find **»FM TUNER«** on display and confirm by pressing on the Jog-Shuttle.
  - The most recently selected station is played (Last Station Memory).
  - Display: the frequency.

## Selecting presets

- 1 Press **»1«** to **»9«** on the remote control to select the presets.
- 2 Press **»+10«** on the remote control and then **»1«** to **»9«** to select the presets from 10 to 40.

## Stereo/mono reception

If the hi-fi system is receiving a stereo broadcast, **»Ⓞ«** appears in the display. If the signal from the stereo channel is weak, you can improve the sound quality by switching to mono reception.

- 1 Press **»MENU«** and then rotate Jog-Shuttle to select **»FM MODE«**.
  - Display: **»FM MODE«**.
- 2 Press Jog-Shuttle and rotate it to switch between mono and stereo reception.
- 3 Press Jog-Shuttle to confirm.
  - Display: **»STEREO«** or **»MONO«**.

### Note:

- It is possible to store the Mono/Stereo function with the channel together to the preset.

## RDS information

RDS (Radio Data System) is an information system which is transmitted additionally by most FM stations.

When the hi-fi system receives an RDS station, the station name appears in the display, for example **»FANTASY«** and **»RDS«**.

### Notes:

- It may take some time before all the RDS information is available.
- GRUNDIG has no influence on the correctness of this information.

## Viewing RDS information

If an RDS station is being received, information can be opened up in the display.

- 1 Press **»DISPLAY«** repeatedly to cycle through the information.

BAY 3 (example)	Displays the name of the radio station being listened to.
POP M (example)	Displays the type of station being listened to, e.g. Pop, Classic, News, etc.
Text	Displays the message about the station being listened to as ticker text (if available).
97.90 (example)	Displays the waveband and the frequency of station being listened to.

## RDS time synchronisation

Some RDS stations transmit a time signal. If reception is good, the time information will update the time if you have selected the **»CT ON«** option during the time setting. Refer to the section "Setting the clock".

Time synchronisation can take several minutes, and even with good reception the accuracy depends on the time signal being transmitted. The automatic time setting is always activated when the device is switched from standby to tuner mode and after power failure when unit receives a RDS station which is supporting RDS time signal. When the device is waiting for an RDS time signal, **»Ⓞ«** flashes on the display. Once RDS time synchronisation completes, **»Ⓞ«** keeps lighting.

## Station types (PTY)

- 1 Press **»DISPLAY«** to display station type code.
  - If no station type code is transmitted, **»NO PTY«** appears on the display.



The hi-fi system is suitable for music CDs bearing the logo shown here (CD-DA), and for CD-Rs (CD-Recordables) and CD-RWs (CD-Rewritables) with

audio data or MP3 and WMA formats.

In MP3/WMA mode, the terms "album" and "file" are very important. "Album" corresponds to a folder on a PC, "file" to a file on a PC or CD-DA track. An MP3/WMA CD may not contain more than 999 tracks/folders in total.

When burning CD-R and CD-RWs with audio files, various problems may arise which could lead to problems with playback. This can be caused by faulty software or hardware settings or by the CD being used. Should such problems arise, contact the customer services of your CD burner or software manufacturer or look for relevant information, for example on the Internet.

When you are creating audio CDs, observe all legal guidelines and ensure that the copyright of third parties is not infringed.

Always keep the CD compartment closed (CD compartment will be closed automatically after around 2 minutes when it is open) to prevent dust from accumulating on the laser optics.

Do not attach adhesive labels to CDs. Keep the surfaces of CDs clean.

You can play standard 12 cm CDs as well as 8cm CDs on your hi-fi system. An adapter is not necessary.

## Selecting the CD input source

1 Switch on the hi-fi system from standby mode by pressing **»⏻«** on the remote control or on the hi-fi system.

2 Press **»MODE«** and rotate Jog-Shuttle to find **»CD«** on display and confirm by pressing on the Jog-Shuttle.

- Display: **»CD«**.
- If there is no CD in the compartment, **»NO DISC«** appears in the display after a short time.
- When a CD is already inserted: the hi-fi system scans the contents of the CD, **»READING«** flashes in the display.

## Inserting and playing CDs

### Warning

- The lens of the CD player should never be touched.

1 Press **»⏻«** on the hi-fi system to open the CD compartment panel.

- The CD compartment panel lifts up.
- Display: **»OPEN«**.

2 Insert your CD in the compartment with its label facing upwards.

3 Close the lid of the CD compartment by pressing **»⏻«** on the hi-fi system or **»▶||«** on the remote control.

- Display: **»CLOSE«**, the CD compartment panel lifts down.
- Display: **»READING«** flashes, the CD is being scanned.

In MP3/WMA mode: The display shows total number of albums and files.

In CD-DA mode: The display shows the total playing time and the total number of tracks.

4 To start playback press **»▶||«** on the remote control;

or  
press **»MENU«** and confirm **»START«** by pressing on the Jog-Shuttle.

- Display: **»▶«**, playing time and information of the track or file.

5 Press **»■«** once to select "Resume" mode or twice to stop playback.

### Notes:

CD playback also stops when:

- the CD compartment is opened.
- the disc has reached the end.
- you select another source: FM TUNER, AUX, SD or USB.
- you select standby.

## Pausing and playback

1 Press **»▶||«** on the remote control during playback to pause.

- Display: **»||«**, playing time stops, information of the track or album appear as a scrolling text.

2 Continue playback by pressing **»▶||«** on the remote control.

- Display: **»▶«**, the hi-fi system continues playback and the playing time resumes to count.



## Playing the start of each track or file (Intro)

- 1 Press »**REP./INT.**« on the remote control in stop mode.
  - Display: »**INTRO**«.
  - Intro playback starts automatically.
  - The first 10 seconds of all the tracks or files on the CD are played.
- 2 To quit this function, press the »**REP./INT.**« or press »■« twice to stop playback and quit the function.
  - Display: »**INTRO**« disappears.

## MP3/WMA displays

You are provided with information of the title, artist and album if such information is stored on the CD (ID3 tag and ticker text). During playback, title, artist and the album name is displayed if such information exists.

- 1 Press »**DISPLAY**« on the remote control repeatedly to cycle through the information.

## Creating a playlist

Programme in the stop position to select and store your disc tracks in the desired sequence.

If you like, store any track more than once. Up to 60 tracks can be stored in the memory.

## Selecting and storing tracks

- 1 Press »**PROG.**« in the stop position.
  - Display: »**PROG**« flashes, and »**P01**«, »**EMPTY**« (if memory is empty), shows the number of track or file if there is a preset track or file.
- 2 Press »|« or »|« on the remote control to select your desired track number and store it with »**PROG.**«.
  - Display: »**PROG**« flashes and »**P02**«, »**EMPTY**« (if memory is empty), shows the number of track or file if there is a preset track or file.
- 3 Repeat step 2 to select and store all desired tracks.

## Playing the playlist

- 1 To start playback of the playlist, press »▶|« on the remote control.
  - Display: »**PROG**«, playing time, track or file number and information of the track or the file.
  - Playback begins with the first programmed track or file.
- 2 Press »■« on the remote control twice to stop playback.
- 3 To play the playlist again, in stop mode press »**PROG.**« and then »▶|« on the remote control.

## Repeating the playlist

- 1 During playback, press »**REP. /INT.**« on the remote control once.
  - Display: »**1**« and »**PROG**«.
  - The current track is played repeatedly

or

  - during playback, press »**REP./INT.**« on the remote control twice.
  - Display: »**ALL**« and »**PROG**«.
  - All of the programmed tracks are played repeatedly.
- 2 To quit this function, press »**REP./INT.**« on the remote control repeatedly until »**1**« or »**ALL**« disappears from the display.

## Adding or changing the playlist

- 1 In stop mode, press »**PROG.**« on the remote control.
  - Display: »**P01**« and »**PROG**« flashes.
- 2 Select an empty preset by pressing »**PROG.**«.
- 3 Select the track or file with »|« or »|« or »^« or »v« on the remote control and confirm it with »**PROG.**«.

## Deleting the playlist

- 1 In the STOP mode, press »**PROG.**« on the remote control to call the memory and delete the programme by:
  - pressing »■« once;
  - or
  - opening the CD compartment;
  - or
  - switching to other modes or standby;
  - »**PROG**« disappears from the display.

# USB AND SD/SDHC/MMC MODE

For MP3/WMA mode with MP3 player, USB memory stick or SD/SDHC/MMC card, the same playback and search functions are available as for CD mode (see CD Mode section).

## Playing the contents of an MP3 player or a USB memory stick

- 1 Switch off the hi-fi system with »⏻«.
- 2 Connect the USB interface of the MP3 player to the »USB« socket on the hi-fi system (on the left side), using a standard USB cable;  
or  
insert the USB plug of the USB memory stick in the »USB« socket (on the left side) on the hi-fi system.
- 3 Switch on the hi-fi system with »⏻«.
- 4 Press »MODE« and rotate Jog-Shuttle to find »USB« on display and confirm by pressing on the Jog-Shuttle.
  - Display: »USB«; the hi-fi system scans the contents of the USB, »READING« flashes; »00:00«, total folder and file number appears in the display.
  - If there is no USB memory stick inserted, »NO USB« appears in the display after a short time.
- 5 Press »▶||« on the remote control to start playback with the first file of the first album.
  - Display: elapsed playing time and information of the file appears in the display.
- 6 Press »■« on the remote control to stop playback.

### Notes:

- The USB socket on the hi-fi system does not support a connection for a USB extension cable and is not designed for directly connecting to a computer.
- The USB socket of this device is a standard socket. Due to rapid developments in technology and new manufacturers appearing every day, the compatibility of USB memory sticks can only be partially guaranteed.

- If USB operation is impaired or is not possible, this does not indicate a malfunction of the hi-fi system.
- Bi-directional data transfer as defined for ITE devices in EN 55022/EN 555024 is not possible.
- USB transfer is not in itself an operating mode. It is only an additional function.
- Never remove memory cards and USB devices during operation. This can damage the memory card, the USB device and the hi-fi system. This type of damage will invalidate your warranty.

## Playing the contents of an SD/SDHC/MMC memory card

- 1 Switch off the hi-fi system with »⏻«.
- 2 Insert the card carefully with gold contacts first and facing to the backside, into the »SD« card slot (on the left side) of the hi-fi system, until it latches into place.
- 3 Switch on the hi-fi system with »⏻«.
- 4 Press »MODE« and rotate Jog-Shuttle to find »SD« on display and confirm by pressing on the Jog-Shuttle.
  - Display: »READING« flashes, the hi-fi system scans the contents of the card, after that; »00:00«, total folder and file number appears in the display.
  - If there is no SD card inserted, »NO SD« appears in the display after a short time.
- 5 Press »▶||« on the remote control to start playback with the first file of the first album.
  - Display: elapsed playing time and information of the file appears in the display.
- 6 Press »■« on the remote control to stop playback.

# USB AND SD/SDHC/MMC MODE

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## Recording to MMC/SD/SDHC or USB

The hi-fi system has a recording function which can record from FM Tuner, CD or Aux input sources.

### Recording from the radio (FM Tuner)

1 Press »**MODE**« and rotate Jog-Shuttle to find »**FM TUNER**« on display and confirm by pressing on the Jog-Shuttle.

2 Press »**1**« to »**9**« on the remote control to select the presets;

or

press »**+10**« on the remote control and then »**1**« to »**9**« to select the presets from 10 to 40.

#### Note

■ If both MMC/SD/SDHC card and USB memory stick are inserted into the hi-fi system, you should choose either one as the recording device:

When you first press »**●**«, the display shows »**RECORD TO USB**«.

Use the Jog-Shuttle to select either »**RECORD TO USB**« or »**RECORD TO SD**«.

3 Press »**●**« to start the recording.

- Display: »**RECORD INIT ...**«, the current and the subsequent file/track will be recorded.

4 To stop the recording, press »**●**« again.

- Display: »**RECORD ENDING ...**«.

## Encoding from the CD

1 Press »**MODE**« and rotate Jog-Shuttle to find »**CD**« on display and confirm by pressing on the Jog-Shuttle.

2 Select the desired track/file you want the recording to start with.

#### Note

■ If both MMC/SD/SDHC card and USB memory stick are inserted into the hi-fi system, you should choose either one as the recording device:

When you first press »**●**«, the display shows »**RECORD TO USB**«.

Use the Jog-Shuttle to select either »**RECORD TO USB**« or »**RECORD TO SD**«.

3 Press »**●**« to start the recording.

- Display: »**RECORD INIT ...**«, the current and the subsequent file/track will be recorded.

4 To stop the recording, press »**●**« again.

- Display: »**RECORD ENDING ...**«.

#### Note



■ During recording, it is not possible to change the radio station, rewind or skip the files/tracks, and modify any other settings (except volume and switch off) of the hi-fi system.

# AUX MODE

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## Listening to an external source

You can listen to the sound of the connected external device through your system's speakers.

- 1 Use a standard audio cable (not supplied) to connect »**AUX IN**« on the back of the hi-fi system to an AUDIO OUT or »« headphone socket on an external equipment (such as CD player, or VCR).
- 2 Switch on the hi-fi system from standby mode by pressing »« on the remote control or on the hi-fi system.
- 3 Press »**MODE**« and rotate Jog-Shuttle to find »**AUX**« on display and confirm by pressing on the Jog-Shuttle.
  - Display: »**AUX**«.

# TIMER MODE

Your hi-fi system has 3 timer modes:

- The switch-on timer, which switches the hi-fi system on at the set time and wakes you with the input source you selected.
- The reminder timer, which switches the hi-fi system to remind you by sounding the signal tone at a preset time.
- The sleep timer, which switches the hi-fi system off at a preset time.

## Notes

- The settings for the switch-on timer can only be performed in standby mode.
- The time must be set on the hi-fi system.
- When this setting is being made, if no button is pushed for more than 10 seconds, the hi-fi system will end the process automatically. You then have to start again.

## Switch-on Timer

### Setting the timer

- 1 In standby mode, press and hold »**TIMER**« on the remote control.
  - Display: »**TIMER**« lights up and »**ON**« flashes.
- 2 Activate the input mode by pressing the Jog-Shuttle.
  - Display: The clock digits for the hours flash.

### Note:

- If the Switch-on timer is out of action »**TIMER OFF**«, select »**TIMER ON**« by turning the Jog-Shuttle and confirm by pressing on it.
- 3 Rotate the Jog-Shuttle to set the hour and confirm with »**TIMER**« or Jog-Shuttle.
    - Display: The clock digits for the minutes flash.
  - 4 Rotate the Jog-Shuttle to set the minutes and confirm with »**TIMER**« or Jog-Shuttle.
    - Display: The last selected sound source flashes.
  - 5 Rotate the Jog-Shuttle to set the source between »**FM**«, »**CD**«, »**SD**«, »**USB**« and »**BUZZER**« and confirm with »**TIMER**« or Jog-Shuttle.

### Note:

- If you select »**BUZZER**«, »**A**« flashes; confirm with »**TIMER**« or Jog-Shuttle. If you select »**CD**«, »**SD**«, »**USB**«, »**M**« flashes. If you select »**FM**«, »**M**« flashes; rotate the Jog-Shuttle to set the desired preset station and confirm with »**TIMER**« or Jog-Shuttle.
    - Display: »**VOL 20**« (the preset volume level) flashes.
- 6 Rotate the Jog-Shuttle to set the volume and confirm with »**TIMER**« or Jog-Shuttle.
    - Display: The current time, »**A**« or »**M**«; the timer is now set and activated.



### Notes:

- If no button is pressed for 10 seconds during the setting, the system will quit the process automatically, and you have to start again.
- If you select »**CD**«, »**SD**« or »**USB**« as the timer source, make sure that a CD, a SD card or an USB memory stick has been inserted. Otherwise the hi-fi system activates buzzer.
- The sound level is limited to »**VOL 25**«.

# TIMER MODE

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## Activating and deactivating the timer

- 1 In standby, press »**TIMER**« on the remote control once.
  - Display shows »« or »« if the timer is activated. They disappear when the timer is deactivated.

## Interrupting the timer

- 1 When the timer sounds, press »**SNOOZE**« on the remote control.
  - The timer signal stops.
  - The timer goes off again at 5-minute intervals (overall timer duration is 90 minutes).

## Cancelling the timer for the day

- 1 Press »« when the timer is sounding.
  - The timer remains activated for the next day.


## Switching off the timer for the weekend

You can switch off the timer function over the weekend while the timer setting is saved.

- 1 Switch off the timer function with »**WEC**« on the remote control.
  - Display: »**WEC**«.
- 2 Press the »**WEC**« again to reactivate the alarm function for weekend.




## Reminder Timer

The hi-fi system can be set to remind you by sounding the signal tone at a preset time. The reminder time setting can be adjusted from 10 to 120 minutes in 10-minute intervals.



- 1 Switch the hi-fi system to standby mode.
- 2 Press »**S/N**« on the remote control.
  - Display: »**NAP 10**« and »**NAP**«.
- 3 Repeatedly press »**S/N**« to select the reminder time in 10-minute intervals.
  - After the time has expired, a signal tone sounds.
  - You may review the current remaining time by briefly pressing the »**S/N**«.
- 4 Switch off the signal tone by pressing the »«;  
or  
cancel the function early by setting the reminder time to »**NAP OFF**« using »**S/N**«.

## Sleep Timer

### Setting the sleep timer

- 1 Switch on the hi-fi system with »« and select the sound source you desire.
- 2 Open the function with »**S/N**«.
  - Display: »**SLP 90**« and »«.
- 3 Set the switch-off time (»**SLEEP 90**«, »**SLEEP 60**«, »**SLEEP 45**«, »**SLEEP 30**« or »**SLEEP 15**«) by pressing »**S/N**«.
  - Display: briefly, for example »**SLEEP 30**«, then the selected input source and »«.
  - The hi-fi system switches off after the selected time has elapsed.

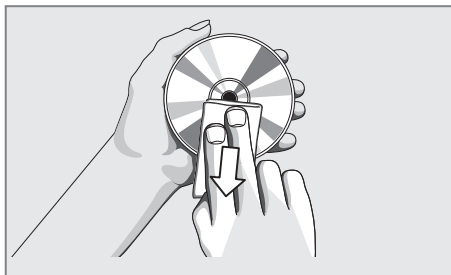
### Canceled the sleep timer

- 1 To switch off the sleep timer before the set switch-off time, keep pressing »**S/N**« on the remote control until »**SLEEP OFF**« appears and »« disappears in the display;  
or  
switch the hi-fi system to standby mode with »«.

## Cleaning the device

Pull out the power cord from the wall socket. Clean the device by using a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

## Cleaning the CD unit



If the device is unable to scan CDs perfectly, use a standard, commercially available cleaning CD to clean the laser optics.

Other cleaning methods may damage the laser optics.

Use a lint-free cloth for cleaning the CD and always wipe it from the inside out in a straight line. Do not use cleaning agents for conventional vinyl discs, nor any solvents or abrasive cleaners.

## Environmental note



This product has been manufactured with high quality parts and materials which can be reused and are suitable for recycling.

Therefore, do not dispose the product with normal domestic waste at the end of its service life. Take it to a collection point for the recycling of electrical and electronic equipment. This is indicated by this symbol on the product, in the operating manual and on the packaging.

Please consult your local authorities to learn the nearest collection point.

Help protect the environment by recycling used products.

## Technical data



This device is noise-suppressed according to the applicable EU directives.

This product fulfils the European directives 2006/95/EC, 2004/108/EC, 1999/5/EC and 2005/32/EC.

The type plate is located on the back of the hi-fi system.

Do not open the hi-fi casing under any circumstances. No warranty claims are accepted for damage caused by incorrect handling.

## System

### Power supply

Operating voltage:	230 V~
Mains frequency:	50/60 Hz
Max. power consumption:	340 W
Power consumption in standby:	≤ 1 W

### Amplifier unit

Output power:	2 x 120 W
Impedance of loudspeakers:	4 Ω
Signal to Noise ratio:	≥ 85 dBA

### Receiver unit

Reception range: FM 87.5 ...108.0 MHz,

### CD unit

Frequency response:	20 Hz ... 20 kHz
Signal to Noise ratio:	85 dBA

### Dimensions and weight

Dimensions:	W x H x D 399x281x157 mm
Weight:	3.9 kg

Technical and design modifications reserved.

## General information on laser devices

CLASS 1  
LASER PRODUCT

This device is a CLASS 1 LASER PRODUCT. This means that the laser is designed in such a way as to ensure that the maximum permissible emission value cannot be exceeded under any circumstances.

### Caution:



If operating devices or methods other than those specified here are employed, it may lead to dangerous exposure to emissions.

This device emits laser radiation. Because of the danger of eye injuries, the unit may only be opened or serviced by trained personnel.

If settings other than those stated here are used or other procedures are carried out, this may lead to dangerous exposure to radiation.

## Troubleshooting

Not every kind of sound interference is caused by a defect in your hi-fi system. Cables that have accidentally been disconnected, damaged CDs and flat battery for the remote control will impair functioning. If the following measures do not resolve the problem satisfactorily, please visit [www.grundig.com](http://www.grundig.com), product range: hi-fi, micro CD stations or contact your specialist dealer.

Problem	Possible cause
No sound.	The volume setting is too low. Increase the volume.
	The headphones are plugged in. Disconnect the headphones.
	Power cable is not properly Connected. Connect the power cable properly.
	Mute is activated. Deactivate mute.
	Speakers are not connected. Connect the speakers.
The hi-fi system does not react when the buttons are pressed.	Static electrical discharge. Switch off the hi-fi system, disconnect the power cable and plug it in again after a few seconds.
The remote control does not work.	The battery is flat. Replace the battery.
	The remote control is out of range of the hi-fi system. Come closer to the hi-fi system.
Poor radio reception.	Weak antenna signal. Check antenna.
	Weak FM stereo signal. Switch to mono.
	Interference from electrical devices such as televisions, video recorders, computers, neon lamps, thermostats or motors. Keep the hi-fi system away from such equipment.
Tracks on a CD are skipped.	The CD is damaged or dirty. Replace the CD or clean it.
	The PROGRAM (playlist) or RANDOM functions are active. Deactivate the functions.
CD-Rs or CD-RWs are not played back, or are played back incorrectly.	Faulty software or hardware settings during burning or the CD itself. Check the components of your CD burner/software or change the CD being used.
Recording cannot be made	USB or Memory card is not compatible. Please check with another device/card.

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**[www.grundig.com](http://www.grundig.com)**

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