00054827
(DR50)

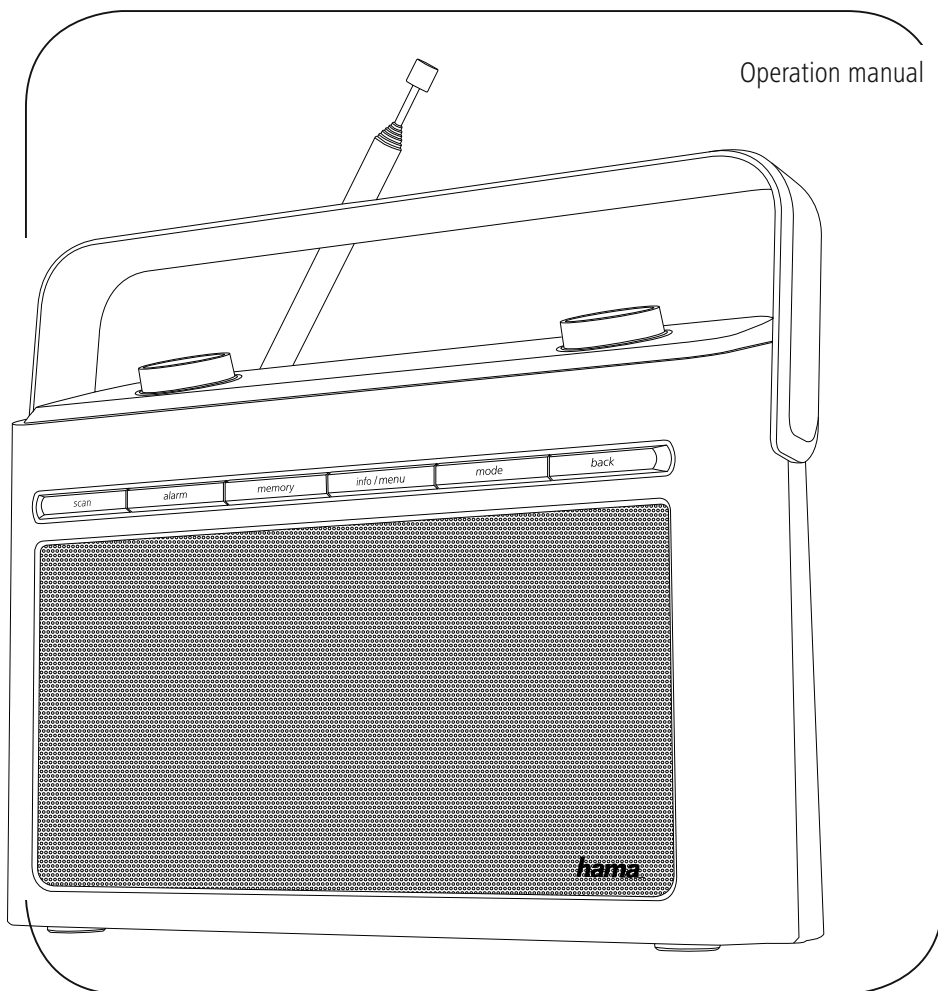# *hama*®

THE SMART SOLUTION

Digital Radio

Digitalradio

Operation manual
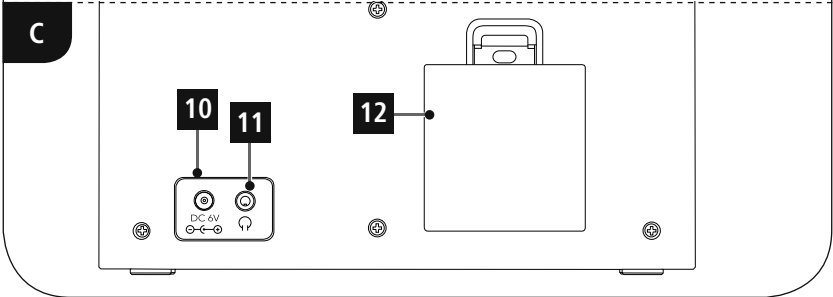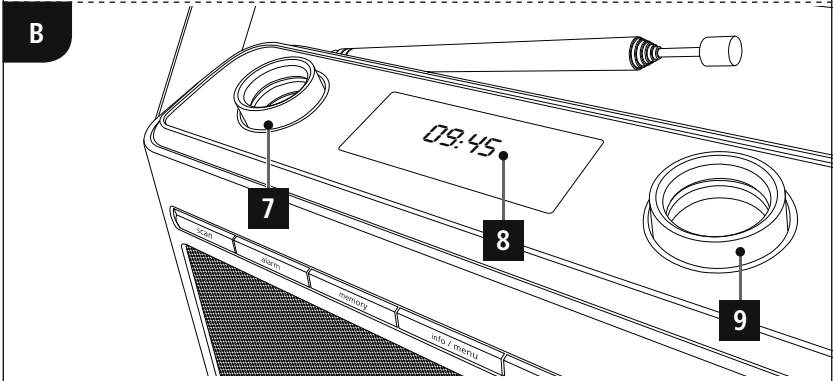
scan   alarm   memory   info / menu   mode   back

hama

ⓘ Technical Data / Technische Daten

Radio Receiver/ Radio Empfänger	DAB ✓	DAB+ ✓	FM ✓	Internet -	Spotify -
Display/ Bildschirm	2.8" 2x16 Icon LCD				
Speaker/ Lautsprecher	2 W RMS				
Power input/ Stromeingang	DC 6 V ⎓ 1000 mA 4 x AA Battery (not included)				
Frequency range/ Frequenzbereich	DAB/DAB+: 174~240 MHz		FM: 87.5~108 MHz		
Sensitivity/ Empfindlichkeit	DAB/DAB+: -97 ~ -99 dBm		FM: -105 ~ -109 dBm		
Power Consumption/ Stromaufnahme	Operation/ Betrieb	max. 6 W	Standby/ Bereitschaft	~ 1 W	
Input & Output/ Anschlüsse	DC Socket, 3.5 mm Earphone Jack				
Presets/ Favoriten	DAB/DAB+: 10	FM: 10			
Codec/ Formate	DAB: MP2, AAC				
UI Languages/ UI Sprachen	English, French, German, Italian, Finnish, Dutch, Danish, Norwegian, Polish, Swedish, Slovak, Czech				
Package Content/ Verpackungsinhalt	Manual, AC/DC Adapter				
Dimension (WxHxD)/ Größe (BxHxT)	230 x 193 x 72 mm				

A

1 scan
2 alarm
3 memory
4 info / menu
5 mode
6 back

B

09:45

7
8
9

scan
alarm
memory
info / menu

C

10
11
12

DC 6V
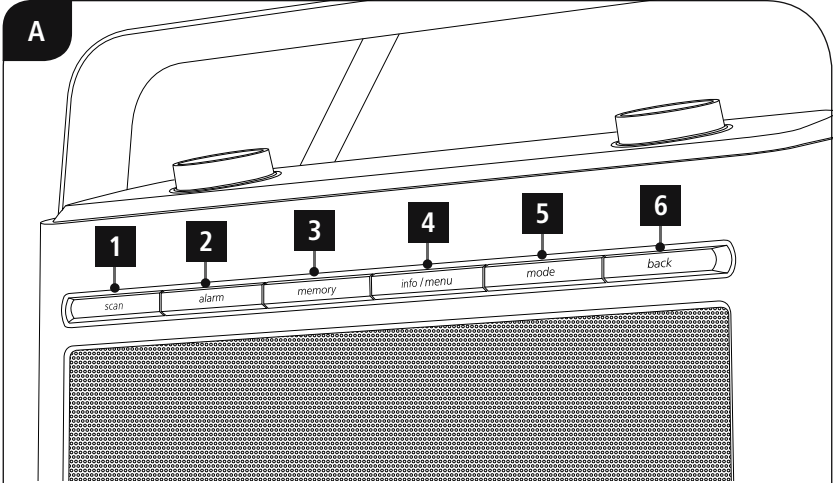
Controls and Displays

A: Front		
1	[scan]	Automatic search
2	[alarm]	Direct access to alarm clock settings
3	[memory]	List/save favourites
4	[info / menu]	Press: Display additional information Press & hold: Direct access to the menu
5	[mode]	Changing operating mode (DAB, FM)
6	[back]	Back one menu level

B: Top side		
7	[select / snooze / - tune +]	Drehen: Selection/ Direct access to Station list/ manual tune Press: Confirm
8		2.8" LCD
9	[⏻ standby/ - volume +]	Rotate: Volume control Press: On/off switch

B: Rear		
10		Mains power supply
11		Headphone socket
12		Battery compartment

⌂ Content

Menu structure

DAB
- Full scan
- Manual tune
- DRC
  - DRC off
  - DRC high
  - DRC low
- Prune
- System

FM
- Scan setting
  - All stations
  - Strong station
- Audio setting
  - Forced mono
  - Stereo allowed
- System

SYSTEM
- Sleep
  - Off
  - 15 minutes
  - 30 minutes
  - 45 minutes
  - 60 minutes
  - 90 minutes
- Equaliser
  - Pop
  - Rock
  - Normal
  - Classik
  - Jazz
- Time
  - Set Time/Date
  - Auto update
    - Update from DAB
    - Update from FM
    - No update
    - Update from Any
  - Set 12/24 hour
    - Set 24 hour
    - Set 12 hour
  - Set date format
    - DD-MM-YYYY
    - MM-DD-YYYY
- Backlight
  - Power on
    - High
    - Medium
    - Low
  - Standby
    - Medium
    - Low
- Language
- Factory Reset
- SW version

Thank you for choosing a Hama product.
Take your time and read the following instructions and information completely. Please keep these instructions in a safe place for future reference. If you sell the device, please pass these operating instructions on to the new owner.

1. Explanation of Warning Symbols and Notes

⚠ **Risk of electric shock**

This symbol indicates product parts energized with a dangerous voltage of sufficient magnitude to constitute a risk of electric shock.

⚠ **Warning**

This symbol is used to indicate safety instructions or to draw your attention to specific hazards and risks.

ⓘ **Note**

This symbol is used to indicate additional information or important notes.

2. Package Contents
• Digital clock radio DR50
• Power supply unit
• Quick guide

3. Safety notes
• The product is intended for private, non-commercial use only.
• Protect the product from dirt, moisture and overheating and use it in dry rooms only.
• As with all electrical devices, this device should be kept out of the reach of children.
• Do not drop the product and do not expose it to any major shocks.
• Do not operate the product outside the power limits given in the specifications.
• Keep the packaging material out of the reach of children due to the risk of suffocation.
• Dispose of packaging material immediately according to locally applicable regulations.
• Do not modify the device in any way. Doing so voids the warranty.

⚠ **Risk of electric shock**

• Do not open the device or continue to operate it if it becomes damaged.
• Do not use the product if den AC adapter, adapter cable or power cable is damaged.
• Do not attempt to service or repair the product yourself. Leave any and all service work to qualified experts.

⚠ **Warning Batteries**

• When inserting batteries, note the correct polarity (+ and - markings) and insert the batteries accordingly. Failure to do so could result in the batteries leaking or exploding.
• Do not allow children to change batteries without supervision.
• Remove the batteries from products that are not being used for an extended period.
• Do not short-circuit batteries.
• Do not charge batteries.
• Do not throw batteries in a fire.
• Keep batteries out of the reach of children.
• Do not mix old and new batteries or batteries of a different type or make.

4. Information and notes before getting started

- For best reception, ensure that the antenna is fully extended.
- Try various different positions if necessary to get the best reception.

5. Getting started

5.1 Battery operation

- Open the battery compartment cover. It is located on the rear of the radio.
- Insert the batteries paying attention to match the polarities correctly. The correct polarity is indicated by the plus and minus symbols in the battery compartment.
- Replace the battery compartment cover.

5.2 Mains operation

Connect the network cable to a properly installed and easily accessible network socket.
The power supply unit is suitable for mains voltages between 100 and 240 V, and is thus operable on almost any AC power grid. Please note that a country-specific adapter may be necessary.
You can find an appropriate selection of Hama products at **www.hama.com**.

- Only connect the product to a socket that has been approved for the device.
- The electrical socket must always be easily accessible.
- When using a mult-socket power strip, make sure that the sum power draw of all the connected devices does not exceed its maximum throughput rating.
- If you will not be using the product for a ling period of time, disconnect it from mains power.
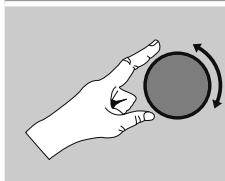
5.3 General notes on use

- When a selection among menu items is to be made (such as **Y** or **N**), the one currently selected flashes.
- In menus offering a variety of different options (such as DRC, language and so on), the currently selected option is marked with *****.
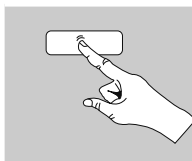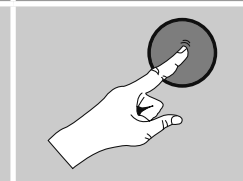
Navigation and controls
- Select among menu items by turning [**select / snooze / - tune +**].
- Confirm the selection by pressing [**select / snooze / - tune +**].

This procedure is indicated in these operating instructions by the following symbols:

selection (navigate)	comfirmation (enter)

	Some features can be accessed by means of shortcut buttons. Pressing shortcut buttons is indicated here by this symbol.

After pressing a shortcut button, navigate amongst the menu items using the [**select / snooze / - tune +**].
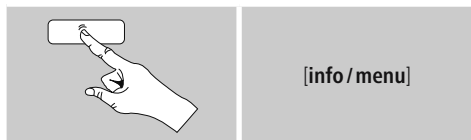
Volume adjustment
- You can turn the volume up (right) or down (left) by turning [⏻ **standby / - volume +**] accordingly.

Additional information

Press [**info**] to display context-dependent additional information. The information shown depends on the operating mode as well as the current selection of radio station.

[**info / menu**]

- **Description**
  Indicates the radio station, the current program, contents, subjects, etc.

- **Program genre/country**
  Indicates the genre (music style) and the country or region of the station.

- **Bit-Rate**
  The currently received digital bit rate of the received station is displayed.

- **Codec**
  Specifies the encoding scheme used to digitise the data or signal (such as MP3 or WMA).

- **Sampling rate**
  Specifies the sampling rate, or the frequency with which the audio signal is polled (Sampling-/ Samplerate), in a certain period of time.

- **Signal strength**
  The signal strength of the received station is displayed via a bar and its length.

- **Today's date**

- **Time**

- **Signal error**

- **Service not available**
  Is displayed if there is currently no DAB reception.

Switching on/ off
- Press [⏻ **standby / - volume +**], uto switch the radio on or off (Standby).
- To completely switch off the device, disconnect it from the power supply.

5.4 Initial setup

The **station search** in the operating mode DAB starts up automatically when the radio is turned on for the first time. By default, the radio starts with the English menu navigation. Set up your desired language as described in **5.5 Language**.
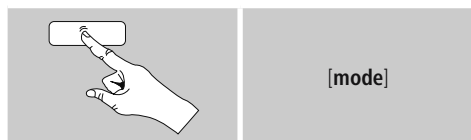
5.5 Language

To change the menu language from that selected at first-time startup, proceed as follows:

[**info / menu**]

2-3 sec.

Language
↓
Desired language
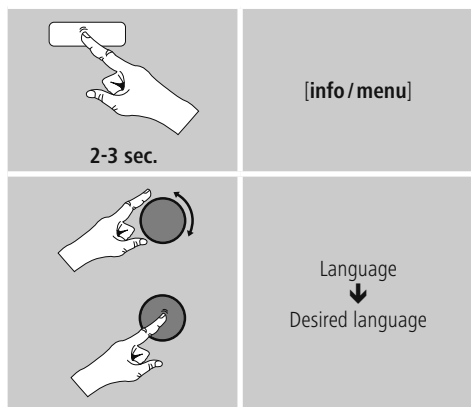
6. DAB

The radio receives all established digital radio frequencies in the range of 174 MHz (band III, channel 5A to 13F).

- Press [**mode**] repeatedly to activate operating mode **DAB**:

[**mode**]

The display shows **DAB** top left in operating mode **DAB**.

6.1 Search/ Automatic search

The automatic DAB channel search scans the DAB band III for available stations. After the station search, all interference-free stations are saved in alphabetical order. The automatic DAB station search starts automatically when DAB mode is started for the first time; it is indicated by **Scanning…** on the display.

If you would like to start the search again, proceed as follows:

2-3 sec.	[**info / menu**]
	Full Scan

or:

	[**scan**]
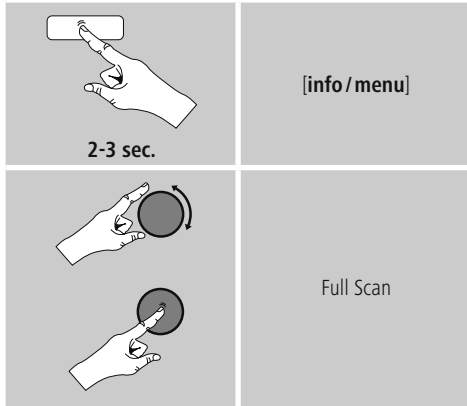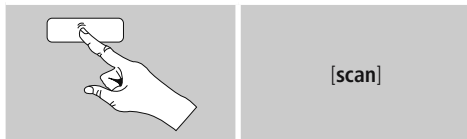
6.2 Manual station search

With the manual station search function you can search through individual frequencies and channels. If you know the frequency of the desired station and the automatic station search failed to find it, use this feature to set the reception frequency directly.

Proceed as follows, choosing a frequency range between 5A and13F:

2-3 sec.	[**info / menu**]
	Manual tune
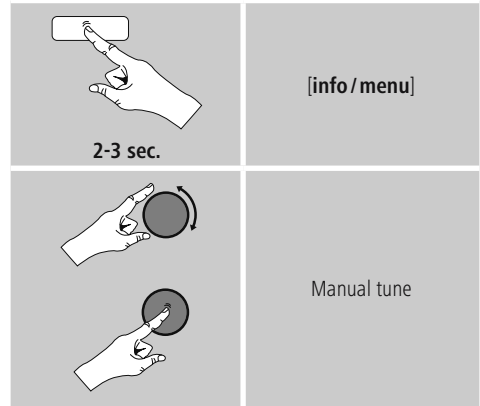
The bar indicates the current signal strength. The marking along the bar indicates the value required for interference-free reception. If this value is not reached (the bar is empty), then the signal strength is not sufficient on this channel.
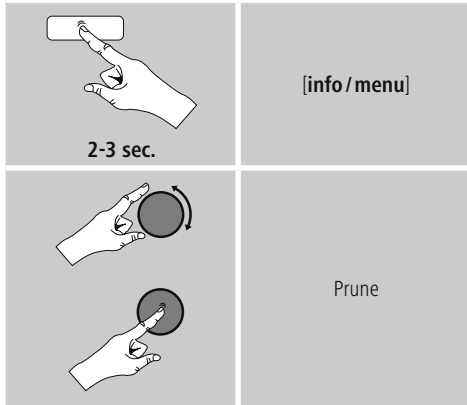
6.3 Station list

You can access the station list in DAB mode at any time via two methods:

If a station is already playing, simply press the **navigation keys** [◄]/[►]. The radio will then display the station list.

6.4 Edit station list

To remove stations that are not currently in the reception area, from your station list, proceed as follows:

| | [**info / menu**] |

| | Prune |

If you answer **Y**, then all currently unavailable stations will be removed from the station list.
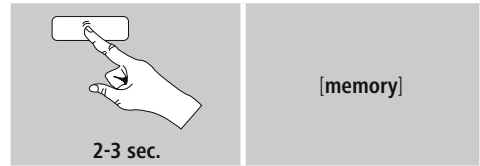
6.5 Favourites

You can save up to 10 of your favourite stations for quick and direct access.

6.5.1 Save favourites

Set the station that you would like to save as a favourite station preset.

If the station is received, proceed as follows:

| **2-3 sec.** | [**memory**] |

- You can switch between the station presets (1 to 10) by turing [**select / snooze / - tune +**].
- Press [**select / snooze / - tune +**] to save the station on the desired station preset.

6.5.2 Access favourites

Proceed as follows to open the overview with the list of saved stations.

| **2-3 sec.** | [**memory**] |

(i) **Note**
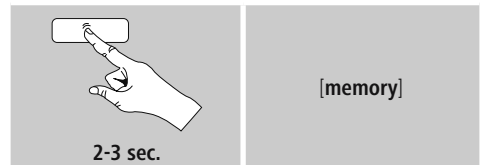
Favourites cannot be deleted.
If all 10 station memory slots are filled and you wish to save a new station, choose one of the occupied slots. The station in this slot will be overwritten with the new station.

6.6 DRC (Dynamic Range Control)

Some radio stations in the DAB network support an audio level control that is activated at varying volumes during playback. If the audio level suddenly rises during playback, DRC automaticall yreduces the volume. The same happens if playback suddenly becomes quieter, with the radio then increasing the volume.
This radio has three different settings for DRC:

DRC high:
total equalisation of different volumes. Strong compression can audibly reduce the dynamics of a music title.
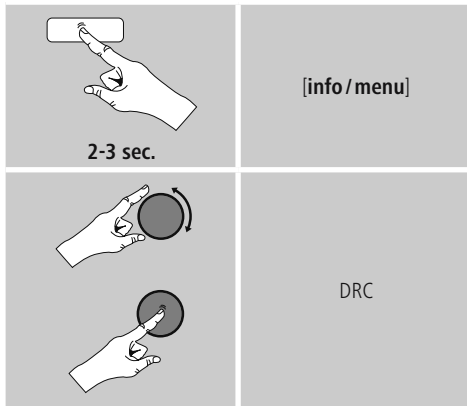
DRC low:
partial equalisation of differen tvolumes. More subtle compression,without too much loss of dynamics.

DRC off:
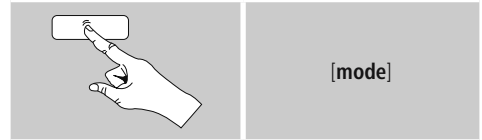no equalisation.

Proceed as follows to do the settings:

2-3 sec.	[**info / menu**]
	DRC

7. FM

Press [**mode**] repeatedly to activate operating mode **FM**:
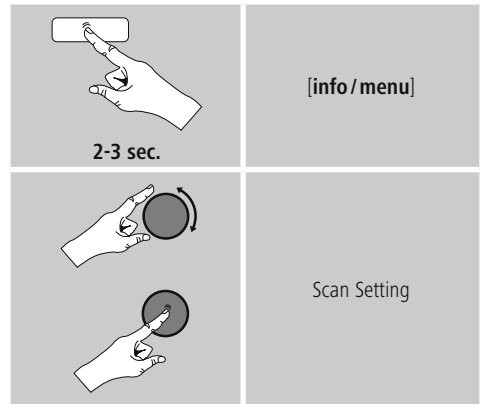
	[**mode**]

The display shows **FM** top left in operating mode **FM**.

7.1 Scan setting

The search run setting allows you to determine whether stations with low signal strength are ignored during the automatic search run.

Proceed as follows:

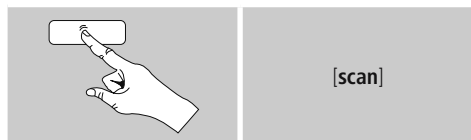|	
2-3 sec.	[**info / menu**]
	Scan Setting

To have the search run stop only at stations with high signal strength, select **Strong stations only**. Otherwise (**All stations**), the search run will stop at every station for which a signal is received.

7.2 Automatic station search

Press [**scan**] to start the automatic station search.

[**scan**]

- Wird ein Sender gefunden, stoppt das Radio den Suchlauf und beginnt mit der Wiedergabe.
- Durch erneutes Drücken von [**scan**] wird der Suchvorgang fortgesetzt bis der nächste Sender gefunden wird.

7.3 Manual station search

When you make station settings manually, you can define the desired frequency yourself and tune into stations that were ignored during automatic station search because their signals were too weak.
- Press [**select / snooze / ‐ tune +**]
 (right:+ 0.05 MHz / left:‐ 0.05 MHz) until you see the desired frequency. Wait a moment until playback oft he received station signal begins.
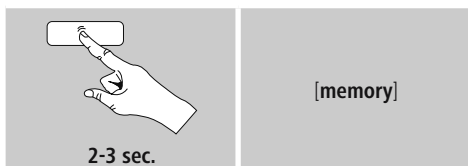
7.4 Favourites

You can save up to 10 of your favourite stations for quick and direct access.

7.4.1 Save favourites

Set the station that you would like to save as a favourite station preset.

If the station is received, proceed as follows:

2-3 sec.

[**memory**]

- You can switch between the station presets (1 to 10) by turing [**select / snooze / ‐ tune +**].
- Press [**select / snooze / ‐ tune +**] to save the station on the desired station preset.

7.4.2 Access favourites

Proceed as follows to open the overview with the list of saved stations.


2-3 sec.
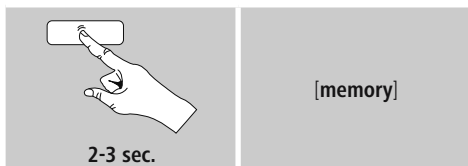
[**memory**]

> ⓘ **Note**
>
> Favourites cannot be deleted.
> If all 10 station memory slots are filled and you wish to save a new station, choose one of the occupied slots. The station in this slot will be overwritten with the new station.

7.5 Audio setting

For some stations with a weak signal, quality can be slightly improved by playing them in mono quality. You can enable this function in the menu, and the radio will automatically switch to mono reception when signal quality is poor.
To change the audio setting, proceed as follows:

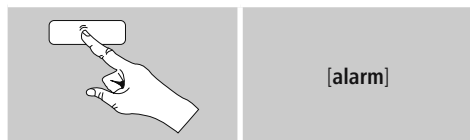|	
2-3 sec.	[**info / menu**]
	Audio setting
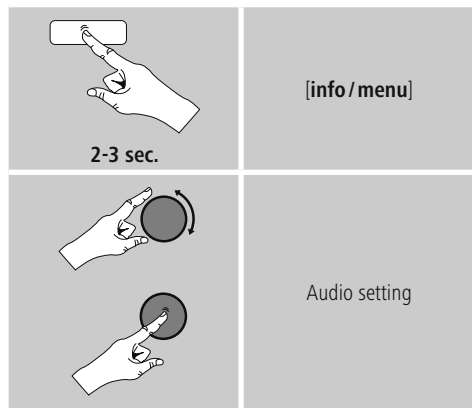
8. Alarms

 Note

Because a higher level of power is required when the alarm is active, the alarm is only configurable in mains operation. The alarm function cannot be used on battery power.

The radio has two individually adjustable alarm times.

8.1 Alarm settings

You can access the alarm settings as follows:

	[**alarm**]

Alarm1 and alarm 2 are configured identically. So you can save two different alarm times. Select alarm 1 or 2 – by pressing [**alarm**] repeatedly and confirm by pressing [**select / snooze / - tune +**] – and make the following settings by means of [**select / snooze / - tune +**].d

Time:
First choose the hour, then the minute at which the alarm is to activate.

Duration:
Choose a time interval (15/30/45/60/90 minutes). The alarm stays switched on for the selected time interval.

Buzz / DAB / FM:
Set whether you wish to be woken by an alarm ton (**Buzz**), by **DAB** or by **FM**.

Program:
If you selected **DAB / FM**, choose which station you wish to be woken with. You can choose any of the 10 favourites station slots or the **Last listened**.

Mode:
Choose when the alarm is to activate: Wählen Sie aus, wann der Wecker aktiviert sein soll:
→ Daily – Once – Weekdays – Weekends

Date:
If you selected **Once**, enter he date for the one-off alarm.

Volume:
You can set the volume at which the alarm sound should be played. This setting makes it irrelevant how loud you last listened to the radio.

Save:
Select **On / off** to complete your alarm settings.

8.2 Acitivating/ deactivating the alarm

- Confirm/ complete the alarm settings with **On** to activate
  the alarm.
- Confirm/ complete the alarm settings with **Off** to
  deactivate the alarm.

8.3 Activate/deactivate alarm in standby mode

- Press [**alarm**] in standby mode to display the current
  alarm setting.
- Press [**alarm**] again or rotate [**select / snooze /
  - tune +**] to activate/deactivate alarm 1 and/or alarm 2.
- Press [**select / snooze / - tune +**] to confirm your
  settings.

8.4 Stopping the alarm/ Snooze function

- When the alarm activates, press [⏻ **standby /
  - volume +**] to stop the alarm.
- Repeatedly press [**select / snooze / - tune +**] to activate
  snooze mode.
- The alarm turns off for the selected time interval (5/10
  minutes) before activating once again.
- If the alarm is not stopped, the radio automatically
  switches into standby mode after the selected time
  interval (Duration).

9. Timer

The radio hast a sleep function, after a defined time the
radio switches to standby mode.

- Repeatedly press [**select / snooze / - tune +**] to set
  the desired time interval (Sleep OFF/15/30/45/60/90
 minutes).

2-3 sec.	[**info / menu**]
	System settings ↓ Sleep
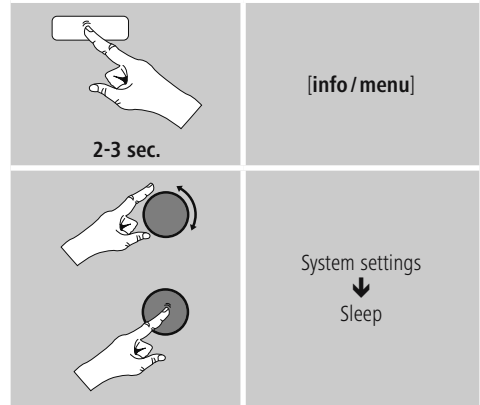
- After the defined time the radio switches to standby
  mode.
- Press [⏻ **standby / - volume +**], to turn the radio back
  on.

10. Additional settings.

10.1 Equaliser

The equaliser allows you to adjust the sound of the radio to suit your preferences by amplifying or reducing the amount of bass or treble in the audio .
You can choose from preconfigured profiles, adjusted to suit a variety of music genres.

• To set the Equaliser, proceed as follows:

	[**info / menu**]
	System settings ↓ Equaliser
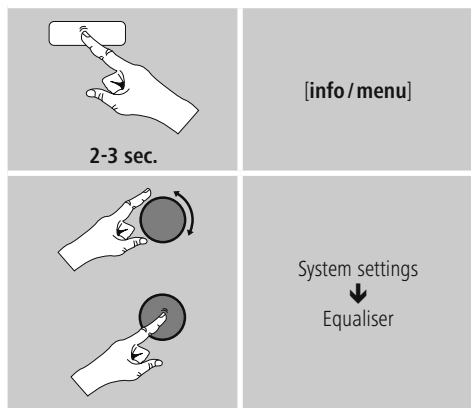
• Use [**select / snooze / - tune +**] to choose one of the preconfi gured profiles.
• If playback is already started when you
• modify these settings, you can hear the changes in the audio immediately.
• Confirm your settings by pressing [**select / snooze / - tune +**] once more.

10.2 Time/ date settings

To access the time/ date settings, proceed as follows:

	[**info / menu**]
	System settings ↓ Time
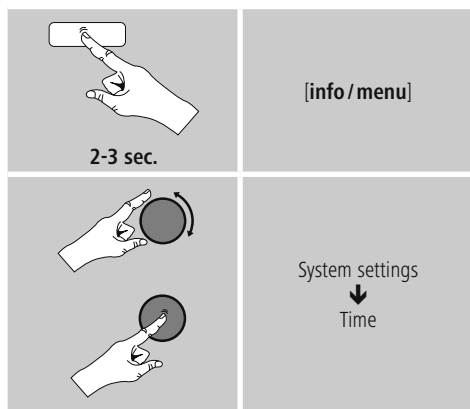
Set Time / Date
Set the date (**DD-MM-YYYY/ MM-DD-YYYY**) and time (**hh:mm**) manually using [**select / snooze / - tune +**].

Auto update
• **Update from FM/ Update from DAB**
If automatic time and date adjustment is activated, the device receives time and date information from the station over the FM/DAB/DAB+ radio network. This is the best way to ensure that the clock will run accurately and the alarm will trigger at the correct time, even after power outages.

• **Update from Any**
It is recommended to use this setting (Update from FM and DAB) for the auto update.

• **No Update**
The time and date (**DD-MM-YYYY / MM-DD-YYYY**) must be set manually; no automatic calibration takes place.

Format

- **Set 12/24 hour**
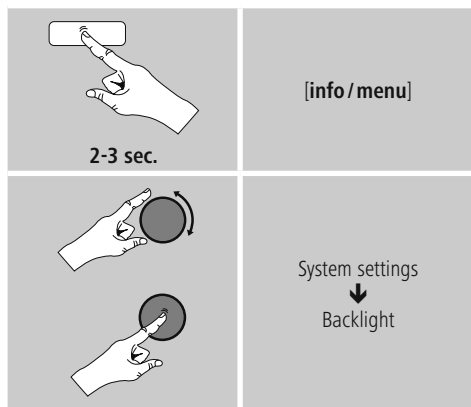 Choose between 12 and 24 hours format.
- **Set date format**
  Choose between the **DD-MM-YYYY** / und **MM-DD-YYYY** date format.

10.3 Backlight

Manual settings
The backlight can be configured for each operating mode (Operation mode, Standby mode) separately.

Proceed as follows:

 2-3 sec.	[**info / menu**]
	System settings ⬇ Backlight

- For the operation modes Operation mode (**Power on**) and Standby mode (**Standby**), select between various brightness levels.
- When the radio is in standby, press [⏻ **standby / - volume +**] to illuminate the display at the brightness level set for that operation mode for ca. 10 seconds.

10.4 Factory Reset

To reset the radio to the factory default settings, proceed as follows:

 2-3 sec.	[**info / menu**]
	System settings ⬇ Factory Reset
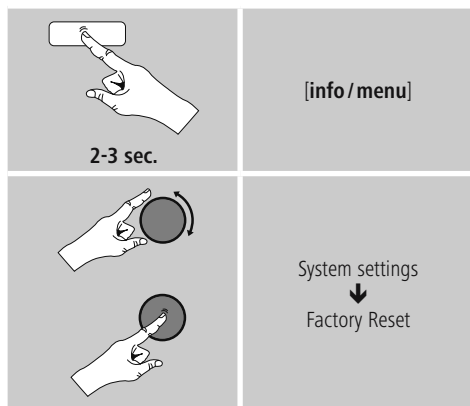
Confirm the following prompt with **Y** to reset the radio to the factory default settings.
All settings made previously are deleted.

ⓘ **Note**

- Resetting to the factory default settings can solve some problems and malfunctions.
- However, all settings made previously, such as favourites and station lists, are permanently deleted.

10.5 Info / Software version

To have the radio display information about ist software, proceed as follows:

[**info / menu**]

2-3 sec.

System settings
↓
SW version
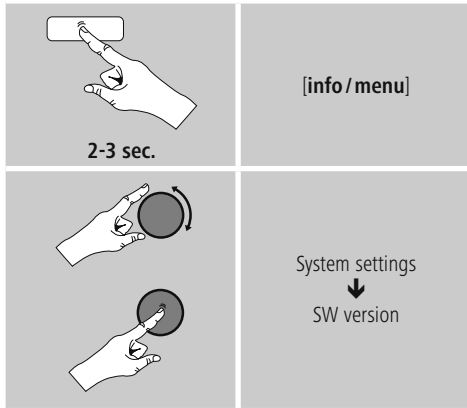
11. Care and Maintenance

- Only clean this product with a slightly damp, lint-free cloth and do not use aggressive cleaning agents.
- If you do not use the product for a long time, turn off the device and disconnect it from the power supply. Store it in a clean, dry place out of direct sunlight.

12. Warranty Disclaimer

Hama GmbH & Co. KG assumes no liability and provides no warranty for damage resulting from improper installation/ mounting, improper use of the product or from failure to observe the operating instructions and / or safety notes.

13. Service and Support

Please contact Hama Product Consulting if you have any questions about this product.
Hotline:+ 49 9091 502-115 (German/English)
Further support information can be found here:
www.hama.com

14. Recycling Information
Note on environmental protection:

After the implementation of the European Directive 2012/19/EU and 2006/66/EU in the national legal system, the following applies: Electric and electronic devices as well as batteries must not be disposed of with household waste. Consumers are obliged by law to return electrical and electronic devices as well as batteries at the end of their service lives to the public collecting points set up for this purpose or point of sale. Details to this are defined by the national law of the respective country. This symbol on the product, the instruction manual or the package indicates that a product is subject to these regulations. By recycling, reusing the matierals or orther forms of utilizing old devices/ batteries, you are making an important contribution to protecting our environment.

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