

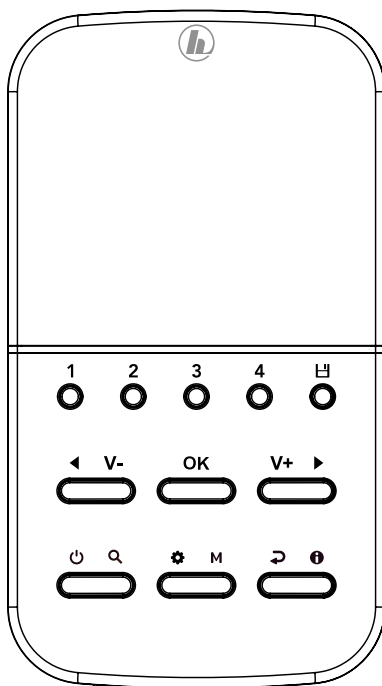
00054863
(PDR20)

hama®

THE SMART SOLUTION

Digital Radio

Digital-Radio

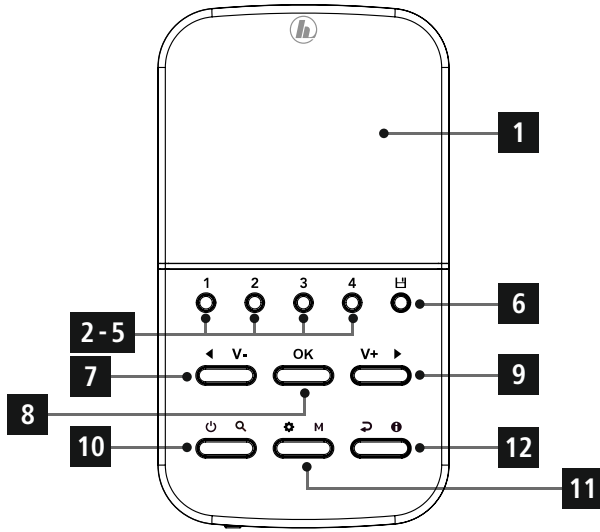


Operating Instructions / Bedienungsanleitung / Mode d'emploi / Instrucciones de uso /
Руководство по эксплуатации / Istruzioni per l'uso / Gebruiksaanwijzing / Οδηγίες χρήσης / Instrukcja obsługi /
Használati útmutató / Návod k použití / Návod na použitie / Manual de instruções / Kullanma kılavuzu /
Manual de utilizare / Bruksanvisning / Käyttöohje / Работна инструкция / Betjeningsvejledning / Manuelt stasjonssøk

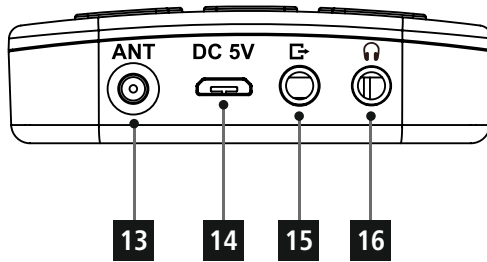

Technical Data

Digital Radio/ Digitalradio	DAB ✓	DAB+ ✓	FM ✓	Internet -	Spotify -
Display	2.1" Liquid Crystal Display (LCD)				
Power input/ Stromeingang	5V \approx 1 A				
Power Consumption/ Stromaufnahme	Operation/ Betrieb		max. 2,65 W		
Frequency range/ Frequenzbereich	DAB / DAB+: 174 – 240 MHz		FM: 87.5 – 108 MHz		
Input & Output/ Anschlüsse	Antenna, DC Socket, LINE OUT 3.5 mm, Headphone 3.5 mm				
Presets/ Favoriten	DAB / DAB+: 40		FM: 40		
UI Languages/ UI Sprachen	English, French, German, Italian, Danish, Nederlands, Suomi, Norwegian, Polish, Portugues, Spanish, Swedish, Turkish				
Package Content/ Verpackungsinhalt	Portable radio „PDR20“, wire antenna, Micro-USB cable, USB-car charger, Manual				
Battery Type/ Batterie Typ	3.7V LiPo, 750mAh, 2.7Wh				
Playback/ Laufzeit	< 6 h				
Charging time/ Aufladezeit	Ca. 2 - 3 h				
Dimensionen (WxHxD)/ Größe (BxHxT)	6,4 x 1,6 x 11,5 cm				
Weight/ Gewicht	110 g				







A



B



Controls and Displays

A: Radio Front		
1		Display
2-5		Presets 1–4
6		Presets 5–40
7	 /[Vol-]	Left navigation button/ Decrease volume
8		OK
9	 /[Vol+]	Right navigation button/ Increase volume
10		Power/Search
11		Settings/Mode
12		Back/Info

B: Radio Bottom		
13		Antenna socket
14		Mains lead
15		Line-out socket
16		Headphone socket

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Menu structure

FM

scan setting	All stations
	Strong stations only
audio setting	Forced mono
	Stereo allowed
System*	

DAB

Full scan	
Manual tune	
DRC	DRC off
	DRC high
	DRC low
Prune	
System*	

SYSTEM*

Sleep	
Alarm	Alarm 1 Setup
	Alarm 2 Setup
Time	Set Time/Date
	Set time
	Set date
	Auto update
	Update from Any
	Update from DAB
	Update from FM
	No update
	Set 12/24 hour
	Set 12 hour
	Set 24 hour
	Set date format
	DD-MM-YYYY
	MM-DD-YYYY
Backlight	Timeout
	On level
	Dim level
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

- “PDR20” portable digital radio
- Dipole antenna
- Vehicle USB power supply unit
- Micro-USB adapter cable
- Quick guide

3. Safety notes

- This product is intended for private, non-commercial use only.
- Do not use the product in the immediate vicinity of heaters, other heat sources or in direct sunlight.
- Protect the product from dirt, moisture and overheating, and only use it in dry locations.
- Keep this product, as all electrical products, out of the reach of children!
- Children are not permitted to play with the device. Children may not clean the product or perform user maintenance without supervision.
- Do not use the product in areas where the use of electronic products is not permitted.
- Be considerate. Loud volumes can have a detrimental effect on your surroundings.
- Since the battery is integrated and cannot be removed, you will need to dispose of the product as a whole. Do this in compliance with the legal requirements.
- 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 children away from the packaging material as there is a 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.
- Only operate the product in ambient temperatures between -10° C and 50° C.
- Only store the product in ambient temperatures between -20° C and 60° C.



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.

4. Getting started and operation



Note

- The product is mains or battery operated. For mains operation, you merely have to connect the product to a power source (see Section 4.2). For battery operation, the product must first be fully charged (see Section 4.1).



Note

- Only use original accessories (or accessories approved by Hama), to prevent damage to the product.



Notes on use

- Connect the product to a socket that has been approved for the device.
- If you will not be using the product for a long period of time, disconnect it from mains power.



4.1 Battery operation

Warning Battery

- Only use suitable charging devices for charging.
- As a rule, do not use charging devices or USB connections that are defective and do not try to repair them yourself.
- Avoid storing, charging or using batteries in extreme temperatures.
- When stored over a long period of time, batteries should be charged regularly (at least every three months).
- The product has a rechargeable battery.
- Charge the product fully before using it for the first time.
- Connect the supplied Micro-USB charging cable to the product's Micro-USB port (14).
- Connect the unused connector on the Micro-USB charging cable to a suitable USB charger. Please refer to the operating instructions for the USB charger used.
- The current charge level is shown on the display during charging.

Note – Charging

- It takes about 3 hours to fully charge the battery.
- The product's battery can be charged whether the product is on or off.
- If the battery charge is less than 30%, the message "Warning: Low battery" appears once.
- If the battery charge is less than 10%, this message appears every minute.
- You will only receive this information if the device is on.
- The actual battery life varies depending on use of the device, the settings and the ambient conditions (rechargeable batteries have a limited service life).

4.2 Operation via mains connection/Micro-USB


Warning

- The German StVZO (Road Traffic Licensing Regulations) apply when using the product on the road.
- Take care that components such as airbags, safety areas, controls, instruments, etc. and visibility are not blocked or restricted. Do not allow yourself to be distracted by the product, for example when driving a vehicle or operating sports equipment. Always pay attention to the surrounding traffic and your environment.
- Connect the supplied USB charging cable to the Micro-USB port (14) of the device.
- Connect the unused plug on the USB cable to the supplied vehicle USB adapter.
- Connect the vehicle USB adapter to a 12 V socket of your vehicle.



4.3 Antenna connection

Connect the included dipole antenna to the product's antenna connection (13) to optimise reception.

4.4 Switching the product on and off


Switching on the product
Press  (10) to switch on the device.

Switching off the product

- Press  (10) to switch off the device.
- Press  (10) to switch the device to standby mode during charging or to exit standby mode.

4.5 Initial setup

Note

- Make sure that the antenna has been properly connected.
- When you switch on for the first time, the device is in DAB/DAB+ mode and begins with the station search immediately.
- Press and hold  (10) for about 3 seconds if you would like to start the search manually at a later time.



5. Connection via LINE OUT

The analogue audio output allows you to connect your speakers to the device, for example, and to play its audio signal through the speakers.

Note

- Switch off the device before connecting a terminal device to it.
- Do not bend or crush the cable.
- For playback through the analogue audio connection, connect a 3.5 mm cinch cable to the LINE Out (15) analogue output on the device and to the analogue output on the speakers.
- Press [⏻/🔍] (10) to switch on the device.
- The audio signal from the device is now played through the speakers.

6. Connection via the headphones socket

Warning



- Always keep the volume at a reasonable level. Loud volumes, even over short periods, can cause hearing loss.

- Connect the 3.5 mm jack plug for your headphones to the headphones socket (16) on the device.
- The audio signal from the device is now played through the headphones.

7. Navigation and controls

7.1 Button assignment

Buttons 10–12 have a dual function assignment:

- Briefly press the button to select the function specified first on the button description.
- Press and hold the button for about 3 seconds to select the function specified last on the button description.

Function menu		
Button	Short press	Long press
	Power	Station search
	Open playback screen	Switch operating mode
	Back a level	-
	Back a level	-

Playback screen		
Button	Short press	Long press
	Power	Station search
	Open settings menu	Switch operating mode
	Open station list	Information about the current station

7.2 Additional information/system settings

Press and hold [] (12) for approx. 3 seconds to display context-dependent additional information. The information shown depends on the operating mode as well as the current station.

Possible information:

- Description
Indicates the radio station, the current program, contents, subjects, etc.
- Genre
Indicates the genre (style of music) of the station
- Reliability/signal strength
- Bit rate
The current digital bit rate of the station currently being received.
- Station information
- Audio settings
- Battery level
- Current time
- Today's date

7.3 Language

At initial startup, the language of the radio defaults to English. To change the menu language of the radio, proceed as follows:

- Press [] (11) to access the settings menu.
- Use the navigation buttons (7/9) to navigate to the "System" menu item.
- Confirm your selection by pressing [OK] (8).
- Use the navigation buttons (7/9) to navigate to the "Language" menu item. Confirm your selection by pressing [OK] (8).
- Use the navigation buttons (7/9) to select your desired system language.
- The language setting currently selected is marked with an asterisk (*).



8. Operating modes (DAB/DAB+/FM)

This device supports reception via DAB/DAB+ and FM. Repeatedly press and hold **[G/M]** (11) to enable DAB operating mode. During playback the current operating mode is displayed on the top right edge of the screen.

9. Digital radio (DAB/DAB+)

The radio receives all the conventional digital radio frequencies in a range from 174 MHz to 240 MHz (band III, channels 5A to 13F).

9.1 Station list

You can call up the station list in DAB mode at any time. To do so, proceed as follows:

Note

- The station list contains all of the stations found during the most recent station search. A new station search can be started, as described in section 9.2. The reception quality of a station depends on various factors, including the weather conditions, the location of the radio and the orientation of the antenna. If a station in the station list cannot be received, try changing the orientation of the antenna or moving the radio to a different location.
- If a station cannot be received, consult section 9.4 to find out how to remove it from the station list.
- Ensure that you are in DAB/DAB+ operating mode.
- Press **[↶/⏪]** (12) during playback to navigate through the available stations in ascending alphabetical order using the (7/9) navigation buttons.
- Press [OK] to confirm your selection (8).
- The station then begins to play automatically.

9.2 Search/automatic search

The automatic DAB channel search scans DAB band III for available stations. After the station search, all interference-free stations are saved in alphabetical order. In the station list, a “?” is displayed in front of the station names of stations found during a previous scan but which cannot currently be received.

The automatic DAB station search starts automatically when DAB mode is started for the first time; it is indicated by “Search...” and a progress bar on the display.

- Press and hold **[⏻/⏹]** (10) for approx. 3 seconds to start a new station search.
- Please wait until this search is completed.
- The available stations are now displayed in the station list.

9.3 Manual station search

The manual station search function lets you 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 and 13F:

- Ensure that you are in DAB/DAB+ operating mode.
- Press **[G/M]** (11) and navigate to the “Set manually” menu item.
- Confirm your selection by pressing [OK] (8).
- Use the navigation buttons (left: - 0.05 MHz/right: + 0.05 MHz) to set the desired frequency. Wait a moment until playback of the received station signal begins.

9.4 Cleaning up the station list

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

- Ensure that you are in DAB/DAB+ operating mode.
- Press **[G/M]** (11) and navigate to the “Clear” menu item.
- Confirm your selection by pressing [OK] (8).
- Choose “Yes” in the subsequent safety check and confirm this choice by pressing [OK] (8).
- Press **[↶/⏪]** (12) or choose “No” in the safety check to cancel the deletion.
- This process can take up to one minute.

Note

- To keep the station list current, we recommend regularly updating the list by finding all stations (see section 9.2).



9.5 Favourites

You can save up to 40 of your favourite stations for quick and direct access.

The radio has 4 freely configurable slots for saving favourite stations (2 to 5) and a freely definable memory list with 40 memory slots.

Note

- The quick-select buttons 2 to 5 correspond to slots 1 to 4 in the large favourites list.

9.5.1 Assigning the favourites quick-select buttons (2 to 5)

- Set the station that you would like to save as a favourite station preset.
- While the station is playing, press and hold the quick-select button you wish to assign.
- The display shows "Programme (1–4, depending on quick-select button) saved" to confirm the assignment.
- The favourite station preset appears on the right edge of the screen during playback.



Note

- Favourites cannot be deleted. If all the 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.


9.5.2 Accessing favourites with the quick-select buttons

To call up a preset station, press the corresponding quick-select button (2 to 5).

9.5.3 Filling the favourites list (1 to 40)

- Set the station that you would like to save as a favourite station preset.
- While the station is playing, press and hold  (6) for approx. 3 seconds until the favourites list opens.
- Navigate to the slot you wish to use and confirm the selection by pressing [OK] (8).
- The display shows "Program (1 to 40, depending on the slot) saved" to confirm the assignment.
- Sie  (6) für ca. 3 Sekunden bis sich die Favoritenliste öffnet.

9.5.4 Accessing stations from the favourites list (1 to 40)

- Press  (6) to access the favourites list.
- Use the navigation buttons (7/9) to navigate to the desired station and confirm the selection by pressing [OK] (8).

9.5.5 DRC

Some DAB network radio stations support a volume control feature that actively takes effect during playback. If the volume suddenly increases, DRC automatically lowers it. If the volume suddenly becomes quieter, DRC automatically raises it. The same happens when playback is suddenly quiet. The radio then increases the volume again.


DRC high: total equalisation of different volumes. Strong compression can audibly reduce the dynamics of a piece of music.

DRC low: partial equalisation of different volumes. More subtle compression, without too much loss of dynamics.

DRC off: no equalisation

To change the setting, proceed as follows:

Ensure that you are in DAB/DAB+ operating mode.


- Press /M (11) and navigate to the "DRC" menu item. Confirm your selection by pressing [OK] (8).
- The setting that is currently selected is marked with an asterisk (*).

10. FM

Repeatedly press and hold /M (11) to enable FM operating mode.

10.1 Search settings

The search setting allows you to determine whether stations with low signal strength are ignored during the automatic search. Proceed as follows:

- Ensure that you are in FM operating mode.
- Press /M (11) and navigate to the "Search settings" menu item.
- Confirm your selection by pressing [OK] (8).
- To have the search stop only at stations with a strong signal, select "Only strong stations". Otherwise, the search run will stop at every station for which a signal is received. As an alternative, you can choose "Only strong stations".

Note

- By default, "Only strong stations" is enabled.



10.2 Station list

You can call up the station list in FM mode at any time. To do so, proceed as follows:

- Ensure that you are in FM operating mode.
- Press [**↔**] (12) during playback to navigate through the available stations in ascending alphabetical order using the (7/9) navigation buttons.
- Press [OK] to confirm your selection (8).
- The station then begins to play automatically.

10.3 Search/automatic search

- Press and hold [**🔍**] (10) for approx. 3 seconds to start a station search.
- The radio stops the search and starts playback when it finds a station.
- Press and hold [**🔍**] (10) again for approx. 3 seconds to continue the search until the next station is found.

10.4 Favourites

You can save up to 40 of your favourite stations for quick and direct access.

The radio has 4 freely configurable slots for saving favourite stations (2 to 5) and a freely definable memory list with 40 memory slots.

Note

- The quick-select buttons 1 to 4 (2 to 5) correspond to slots 1 to 4 in the large favourites list.

10.4.1 Assigning the favourites quick-select buttons (2 to 5)

- Set the station that you would like to save as a favourite station preset.
- While the station is playing, press and hold the quick-select button you wish to assign.
- The display shows "Program (1 to 4, depending on the quick-select button) saved" to confirm the assignment.
- The favourite station preset appears on the right edge of the screen during playback.

Note

- Favourites cannot be deleted. If all the 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.

10.4.2 Accessing favourites with the quick-select buttons

To call up a preset station, press the corresponding quick-select button (2 to 5).

10.4.3 Filling the favourites list (1 to 40)

- Set the station that you would like to save as a favourite station preset.
- While the station is playing, press and hold [**📌**] (6) for approx. 3 seconds until the favourites list opens.
- Navigate to the slot you wish to use and confirm the selection by pressing [OK] (8).
- The display shows "Program (1 to 40, depending on the slot) saved" to confirm the assignment.

10.4.4 Accessing stations from the favourites list (1 to 40)

- Press [**📌**] (6) to access the favourites list.
- Use the navigation buttons (7/9) to navigate to the desired station and confirm the selection by pressing [OK] (8).

11. Audio settings

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

- Ensure that you are in FM operating mode.
- Press [**⚙️/M**] (11) and navigate to the "Audio settings" menu item.
- Press [OK] (8) to confirm.
- Choose "Mono only" or "Stereo available" and confirm your selection by pressing [OK] (8).

12. Volume

You can use the navigation buttons (7/9) in the playback menu to change the volume.

- Press [**⏪**]/[Vol-] (7) to decrease the volume.
- Press [**⏩**]/[Vol+] (9) to increase the volume.



13. Snooze

The radio has a timer function, which switches the radio to standby mode after a pre-defined length of time irrespective of the operating mode.

- Press **[⚙️/M]** (11) and go to the “System” menu item. Press **[OK]** (8) to confirm.
- Select the “Sleep” menu item and press **[OK]** (8) to confirm.
- You can use the navigation buttons (7/9) to set the value for the timer.
- Confirm your setting by pressing **[OK]** (8).
- **[Zz²]** in the playback screen indicates that the sleep timer is enabled.

14. Alarm clock

The radio allows you to set two different alarm times.

14.1 Settings

Note

- Note that the alarm only works in standby mode (charging) and playback mode.

To access the alarm settings, proceed as follows:

- Press **[⚙️/M]** (11) and go to the “System” menu item. Press **[OK]** (8) to confirm.
- Select the “Alarm” menu item and press **[OK]** (8) to confirm.

The configuration of alarm 1 and alarm 2 is identical. They allow two alarm times to be saved independently. Select alarm 1 or 2 and confirm your selection by pressing **[OK]** (8).

Use the navigation buttons **[◀]/[Vol-]** (7) / **[▶]/[Vol+]** (9) and **[OK]** (8) to set the following details.

Mode:

Choose when the alarm is to activate:

“Add arrow symbol” Daily – Once – On weekdays – On weekends

Time:

Select the hours for the alarm time first, and then the minutes.

Duration:

Select a time interval (15/30/45/60/90 minutes). The alarm remains active for the selected time interval.

Mode:

Set whether you wish to be woken by an alarm tone (buzzer), DAB or FM.

Programme:

If you selected DAB/FM, choose which station you wish to be woken with. You can choose any of the 30 favourite station slots or the last listened.

Volume:

Select the volume with which you would like to be woken. This setting makes the volume level when you last listened to the radio irrelevant.

Saving:

Choose Off/On to finish the alarm settings.

Note

- We recommend allowing automatic time updates. This ensures that the time is always updated, even after the power supply is disconnected – for example, if the power fails.

14.2 Activating/deactivating the alarm

- Activate the alarm by pressing On to complete the settings.
- Deactivate the alarm by pressing Off to complete the settings.

14.3 Stopping the alarm

When the alarm activates, press **[⏏/Q]** (10) to stop the alarm.

15. System settings

15.1 Time settings

The radio attempts to obtain the current time information from all available sources as per the default settings.

- Press **[⚙️/M]** (11) and go to the “System” menu item. Press **[OK]** (8) to confirm.
- Select the “Time” menu item and press **[OK]** (8) to confirm.

Time and date settings

- You use the navigation buttons (7/9) to set the time and date digit by digit.
- Press **[OK]** (8) to confirm the setting of each digit and move to the next one.
- After you complete the entry, the message “Time saved” is shown in the display.



15.2 Automatic updates

If the automatic time and date update 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 runs accurately and the alarm triggers at the correct time, even after power outages.

- You can choose between the following options using the navigation buttons:
- Update all
- Update DAB
- Update FM
- Confirm your selection by pressing [OK] (8).
- You are now taken back to the time settings.

Format (time)

Choose between 12-hour and 24-hour time formats.

Format (date)

Choose between DD-MM-YYYY and MM-DD-YYYY date formats.

15.3 Lighting

The backlight can be configured separately for each operating mode (playback mode, standby mode and snooze mode).

Proceed as follows:

Press [/M] (11) and go to the "System" menu item. Press [OK] (8) to confirm.

- Select the "Lighting" menu item and press [OK] (8) to confirm.
- You can use the navigation buttons to choose between the following brightness levels:
- Timeout
- On setting
- Dim setting

Note

- The choice of lighting mode will have effects on power consumption. mode has effects on the power consumption.

15.4 Factory settings

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

- Press [/M] (11) and go to the "System" menu item. Press [OK] (8) to confirm.
- Select the "Factory settings" menu item and press [OK] (8) to confirm.
- Confirm the next prompt with YES to reset the radio to the factory default settings. All settings you made are deleted.
- To cancel the deletion process, press [/i] (12) or choose "No".

Note

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

16. SW-Version

To check the version of the software currently installed on your radio, please proceed as follows:

- Press [/M] (11) and go to the "System" menu item. Press [OK] (8) to confirm.
- Select the "SW version" menu item and press [OK] (8) to confirm.

Note

- Should you require help from customer support, please tell us the version of the software currently installed. Many problems can be solved by updating the software, so comparing your software version with the latest available version is the first step in addressing your query.
- You can find out whether updates are available at www.hama.com using the item number or designation of your radio.
- Instructions on updating may be available in the downloads section for the item.



17. 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.

18. 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.

19. 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

20. 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 materials or other forms of utilizing old devices/ batteries, you are making an important contribution to protecting our environment.

21. Declaration of Conformity

CE Hereby, Hama GmbH & Co KG declares that the radio equipment type [00054863] is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

www.hama.com -> 00054863 -> Downloads.



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