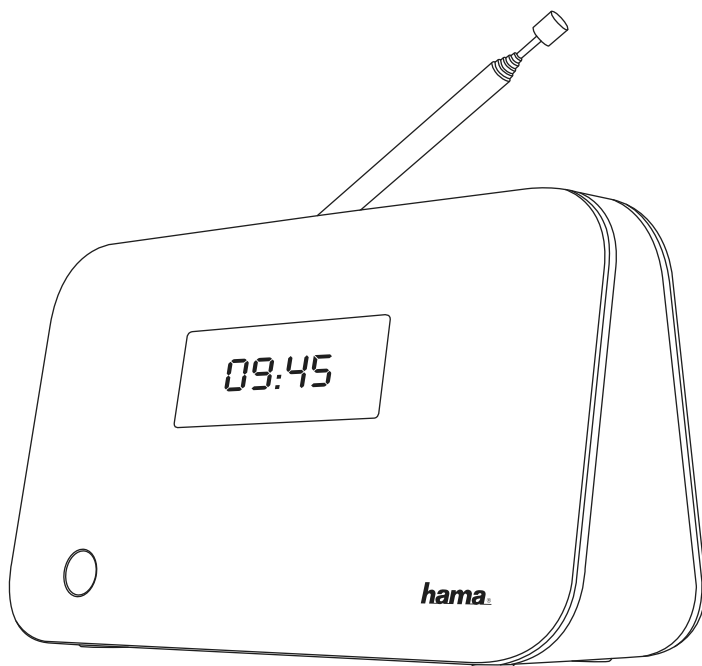


00054832  
(DT60)

***hama***®  
THE SMART SOLUTION

## Digital Tuner

### Digitaltuner

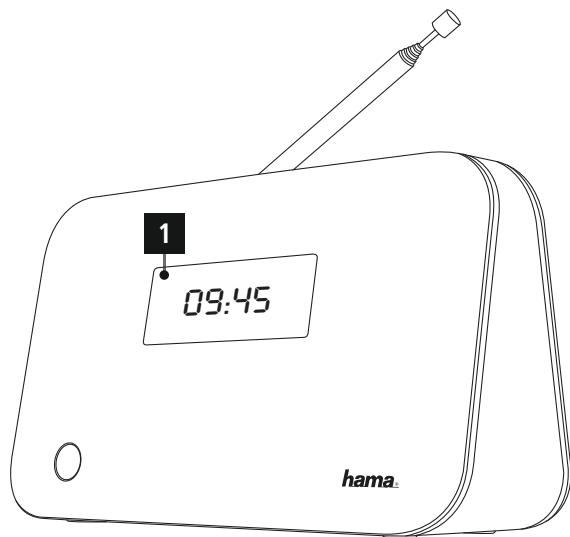


Operating Instructions / Bedienungsanleitung / Mode d'emploi / Instrucciones de uso /  
Руководство по эксплуатации / Istruzioni per l'uso / Gebruiksaanwijzing / Οδηγίες χρήσης / Instrukcja obsługi /  
Használati útmutató / Návod k použití / Návod na použitie / Manual de instruções / Kullanma kılavuzu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

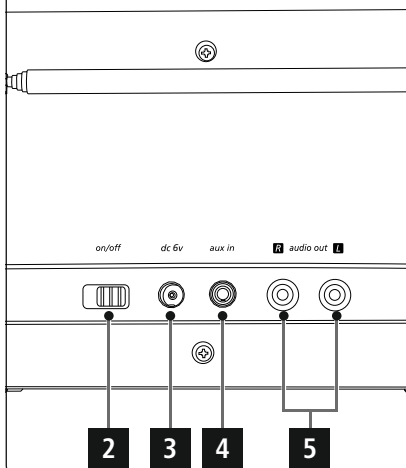

**Technical data**

<b>Radio Receiver/</b> Radio Empfänger	DAB ✓	DAB+ ✓	FM ✓	Internet -	Spotify -
<b>Connectivity/</b> Verbindungsfähigkeit	Bluetooth				
<b>Display/</b> Bildschirm	2.8" (2 x 16 + ICON LCD)				
<b>Power input/</b> Stromeingang	DC 6 V === 1000 mA				
<b>Frequency range/</b> Frequenzbereich	DAB/DAB+: 174-240 MHz		FM: 87.5-108 MHz		
<b>Sensitivity/</b> Empfindlichkeit	DAB/DAB+: -97 ~ 99 dBm		FM: -105 ~ 109 dBm		
<b>Power Consumption/</b> Stromaufnahme	Operation/ Betrieb	max. 3 W	Standby/ Bereitschaft	~ 1 W	
<b>Input &amp; Output/</b> Anschlüsse	DC Socket, Audio output RCA L&R, Audio Input 3.5 mm Earphone Jack				
<b>Presets/</b> Favoriten	DAB/DAB+: 10	FM: 10			
<b>Codec/</b> Formate	DAB: MP2, AAC	Bluetooth: AAC, SBC			
<b>UI Languages/</b> UI Sprachen	English, French, German, Italian, Finnish, Dutch, Danish, Norwegian, Polish, Swedish, Slovak, Czech				
<b>Package Content/</b> Verpackungsinhalt	Quick Guide, Remote control, AAA Batteries, AC/DC Adapter Kurzanleitung, Fernbedienung, AAA Batterien, Netzteil				
<b>Dimension (WxHxD)/</b> Größe (BxHxT)	180 x 113 x 74.5 mm				
<b>Weight/</b> Gewicht	500 g				

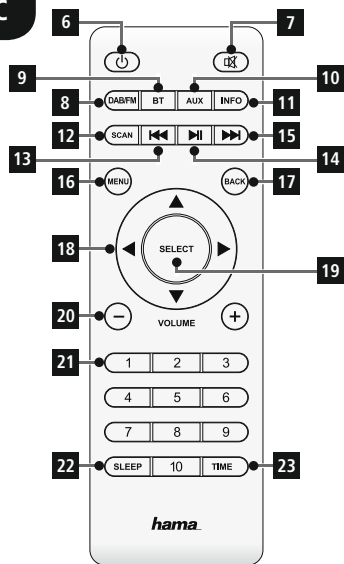
**A**



**B**








**C**



## Controls and Displays

A: Front		
1		2.8" Icon LCD

B: Rear		
2		POWER button
3		Mains power supply
4		AUX IN socket
5		Audio out L/R sockets

C: Remote Control		
1	[  ]	On/off switch
2	[  ]	Mute
3	[DAB]/[FM]	Changing operating mode (DAB, FM)
4	[BT]	Direct access to Bluetooth® operating mode
5	[AUX]	Direct access to operating mode Aux in
6	[INFO]	Display additional information
7	[SCAN]	Automatic search
8	[  ]	previous track
9	[  ]	Start/ Stop playback
10	[  ]	next track
11	[MENU]	Direct access to the menu
12	[BACK]	Back one menu level
13	Navigations-tasten	▲ Navigation key up ▼ Navigation key down ◀ Navigation key left ▶ Forward/ Confirm
14	[SELECT]	Confirm
15	[VOLUME -/+]	Volume control
16	Nummern-tasten/ Favoriten-tasten	Direct access to favourites/ Save favourites
17	[SLEEP]	Snooze settings
18	[TIME]	Direct access to Time/ Date



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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 Hi-Fi Tuner DT60
- AC/DC adapter
- Operating Instructions

## 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 the 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



### Note – Optimal reception

This product has a telescopic antenna that enables DAB, DAB+ and FM reception. Please note:

- Always pull the antenna out completely.
  - We recommend you adjust the antenna vertically to ensure optimal reception.
- Connect the power supply unit to a properly installed socket. Connect the power supply to the mains connection (3) on the back of the radio.



### Warning

- Set the on/off slide switch (2) on the back of the product to [on].
- Only connect the product to a socket that has been approved for the device. The socket must be installed close to the product and must be easily accessible.
- Disconnect the product from the power supply using the on/off switch – if this is not available, unplug the power cord from the socket.
- Only use the enclosed radio power supply unit.
- The power supply unit is suitable for mains voltages of 100–240 V and therefore can be used worldwide. Please note that a country-specific adapter may be necessary.
- You can find a selection of compatible Hama products at [www.hama.com](http://www.hama.com).



- Press the **[POWER]** button on the remote control to switch on the radio.

#### **Note – Turning the radio on for the first time**

- A DAB station search will be performed when you switch the radio on for the first time.
- The time will be automatically set once the station search is complete.

- Use the arrow buttons ◀ and ▶ to select one of the stations found. Press **[SELECT]** to confirm your selection.

#### **Note**

Sollten keine Sender gefunden werden, starten Sie einen erneuten Sendersuchlauf – wie in **7.1. Sendersuchlauf (DAB) beschrieben** – oder eine manuelle Sendersuche – wie in **7.2. Manuelle Sendersuche (DAB) beschrieben**.

## 5. Basic settings

#### **Note**

- In the different submenus, press **[BACK]** (repeatedly) to jump back one or more menu step(s), or press **[MENU]** to return to the main display.
- If you do not make an entry within 30 seconds, the radio automatically returns to the main display.

- Press **[MENU]** and select the **[SYSTEM]** menu item using the buttons ◀ and ▶.
- Press **[SELECT]** to confirm your selection.

### 5.1 Time and Date

- Select the **[Time]** menu item using the buttons ◀ and ▶.
- Select **[Auto update]** to select the receiving system from which the time data is to be received. The correct time and date are then set automatically.
- Select **[Set Time/Date]** if you want to set the date and time manually.
- Use the buttons ▲ and ▼ to set the time, date, 12-/24-hour format and date format.

### 5.2. Backlight

This radio's display has multiple lighting levels.

- Select the **[Backlight]** menu item using the buttons ◀ and ▶.
- Select the **[On Level]** menu item to set the display brightness for radio operation.
- Select the **[DIM Level]** menu item to set the display brightness for standby mode.

### 5.3. Language

#### **Note – Standard language**

The standard language ex works is English. All of the menu structures referred to in these operating instructions relate to this standard setting. Note that the menu names displayed will differ if you select a different language.

- Select the **[Language]** menu item using the buttons ◀ and ▶.
- Select the desired language using the buttons ◀ and ▶.

### 5.4. Factory Reset

- Select the **[Factory Reset]** menu item using the buttons ◀ and ▶.
- Then select **[YES]** to restore the radio's factory settings.

#### **Warning**

Restoring the radio's factory settings will delete all the time and date settings, alarms, etc. you have saved!



## 6. Operating the DAB Radio

- Press the **[DAB/FM]** button to switch between the DAB and FM reception types. Select **DAB**.

### 6.1. Automatic station search (DAB)

An automatic station search will be performed when you switch the radio on for the first time. The station search searches the entire frequency band (band III) in the digital radio network and saves the stations found in alphabetical order.

- Press **[MENU]** and select the **[FULL SCAN]** menu item using the buttons ◀ and ▶.
- Press **[SELECT]** to confirm your selection.
- Once the radio has finished its search, you can select the desired station using the buttons ◀ and ▶.
- Press **[SELECT]** to confirm your selection and start listening to the station.

### 6.2. Manual station search (DAB)

With the manual station search function you can search through individual frequencies and channels. You can use this function if you know the frequency range of a station you would like to search for.

- Press **[MENU]** and select the **[FULL SCAN]** menu item using the buttons ◀ and ▶.
- Press **[SELECT]** to confirm your selection.
- Select the desired frequency range using the buttons ◀ and ▶. A frequency range of 5A to 13F can be searched through.

### 6.3. DRC (Dynamic Range Control)

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.

- Press **[MENU]** and select the **[DRC]** menu item using the buttons ◀ and ▶.
- Press **[SELECT]** to confirm your selection.
- Select **DRC [high]**, **[low]** or **[off]** using the buttons ◀ and ▶.
- Press **[SELECT]** to confirm your selection.

## 6.4. Additional information (DAB)

Numerous stations transmit additional information, the scope and order of which varies.

- Press the **[INFO]** button on the remote control to display the additional information.

### • Time/Date

The radio receives the current time and date from the information transmitted. If the station currently playing does not broadcast time information, a Time/Date symbol only will appear in the display.

### • Frequency

The frequency of the station currently being received is shown on the display.

### • Audio Bit Rate

The digitally received bit rate of the current station is shown on the display.

### • Signal strength

The current signal strength is shown as a bar. A longer bar indicates good signal strength, meaning that you will have uninterrupted listening without 'drop-outs'.



### Note

In many cases, the signal strength varies depending on the installation location. To improve reception, choose an installation location near a window.

### • DLS – Dynamic Label Segment

DLS is digitally broadcast streaming text that provides additional information on the current programme.

### • Programme Type

The programme type (style, genre, etc.) is displayed. If no information is available, a Programme Type symbol only will appear on the display.

### • Ensemble/Multiplex (Group Name)

Ensemble/Multiplex is a group of different stations broadcasting on a shared frequency and/or a shared frequency block, or in a region.



## 6.5. Save favourites / Access favourites

- Press and hold one of the **number/favourites** buttons while a radio station is playing, to save this station under the selected preset.
- To call up a preset station, press the corresponding **number/favourites** button.

### Note

It is not possible to delete a preset station. You can only replace a preset station with another station and overwrite the previous favourite. You can save up to 10 favourites each for DAB and FM radio.

## 7. Operating the FM Radio

- Press the **[DAB/FM]** button to switch between the DAB and FM reception types. Select **FM+**.

### 7.1. Automatic station search (FM)

- Press the **[SCAN]** button on the remote control to start the search.
- During the search procedure, the text on the display reads Searching... The radio stops the search and starts playback when it finds a station.
- Press **[SCAN]** again to continue the search until the next station is found.

### 7.2. Station Search Settings

- Press **[MENU]** and select the **[Scan Setting]** menu item using the buttons ◀ and ▶.
- Press **[SELECT]** to confirm your selection.
- Use the buttons ◀ and ▶ to select the **[All Stations]** or **[Strong Stations only]** setting.
- Press **[SELECT]** to confirm your selection.

### Note

Selecting **All stations** means that the station search will automatically stop each time it receives a station signal. Select **Strong stations only**, so that the station search only stops when it receives a strong station signal.

### 7.3. Manual station search (FM)

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.

- Select the desired frequency manually using the buttons ◀ and ▶.

### 7.4. Audio setting

- Press **[MENU]** and select the **[Audio Setting]** menu item using the buttons ◀ and ▶.
- Press **[SELECT]** to confirm your selection.
- Use the buttons ◀ and ▶ to select between **[stereo allowed]** (mono and stereo stations) and **[forced mono]** (only mono stations).

### 7.5. Additional information (FM)

Many stations broadcast additional information.

- Press **[INFO]** repeatedly to view the following information: Audio setting (stereo/ mono), time, date, song/ title, genre, frequency.

### 7.6. Save favourites / Access favourites (FM)

To save and call up favourites, proceed as described in **6.5 Saving/Calling up Favourites**.



## 8. Bluetooth® Operating Mode

You can connect your terminal devices to the radio using Bluetooth®. The radio supports two different Bluetooth® profiles.

### A2DP – Advanced Audio Distribution Profile

- High-quality audio transmission
- Audio data streaming from a Bluetooth® enabled terminal device

### AVRCP – Audio Video Remote Control Profile

- Using a connected terminal device to remotely control the radio



#### Note – Bluetooth®

- Check whether your mobile device (smartphone, tablet PC, etc.) is Bluetooth® capable.
- Note that the maximum range for Bluetooth® is 10 metres without obstacles such as walls, people, etc.”
- The Bluetooth® connection may be disrupted by other Bluetooth® devices/connections in the vicinity.
- It is only possible to connect the radio to one terminal device.
- We cannot guarantee compatibility with all terminal devices and media types currently available on the market.

## Pairing and playback of music files in Bluetooth® mode



#### Note – Turning the radio on for the first time

- Make sure that your Bluetooth®-capable terminal device is on and Bluetooth® is activated.
- Make sure that your Bluetooth®-capable terminal device is visible for other Bluetooth® devices.
- For more information, please refer to the operating instructions of your terminal device. The exact procedure may vary.
- Position the terminal device in the immediate vicinity of the radio.

- Press [BT] on the remote control to activate Bluetooth®. The radio then automatically switches to Bluetooth® pairing mode, to enable pairing with a device.

- Open the Bluetooth® settings on your terminal device and wait until **DT60** appears in the list of Bluetooth® devices found.
- If necessary, start searching for Bluetooth® devices on your terminal device.
- Select **DT60** and confirm the pairing process with the radio on your terminal device.
- A signal tone indicates that pairing was successful. A note symbol appears on the display.
- Start and end audio playback on your terminal device.



#### Note

- If you are prompted to enter a password to complete the pairing process, enter **0000**.
- Some mobile phones interrupt playback via Bluetooth® when receiving an incoming call. This does not indicate a problem with your radio, but is rather part of your mobile phone's range of functions in Bluetooth® mode.

## 9. Operating mode: AUX IN

- There is an **AUX IN** connection on the back of the radio that is suitable for connecting external sources such as MP3 players, smartphones, etc. to the radio, and playing audio files via the radio loudspeakers.
- Press the [AUX] button on the remote control to activate **AUX-IN**.

## 10. 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.

## 11. 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.



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## 12. 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](http://www.hama.com)

## 13. Recycling Information

### Note on environmental protection:



After the implementation of the European Directive 2012/96/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.

## 14. Declaration of Conformity



Hama GmbH & Co KG hereby declares that the device complies with the essential requirements and other relevant provisions of Directive 2014/53/EU. See [www.hama.com](http://www.hama.com) for the declaration of conformity with the relevant directive.



# ***hama***®

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