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Introduction

Preface

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Dear customer,

By purchasing this **Hama** digital picture frame, you have chosen a quality product which conforms to state-of-the art development standards in technology and functionality.

Read the following information carefully in order to familiarise yourself with the device and its full range of functions.

We hope you enjoy this device for many years to come.

About these operating instructions

These operating instructions are an integral part of the digital picture frame DVB-T (hereinafter referred to as the “device”), and provide important information on the intended use, safety, connection and operation of the device.

The operating instructions must be kept near the device at all times. They must be read and adhered to by all persons responsible for operating the device or troubleshooting.

Keep these instructions in a safe place and pass them on to subsequent users or owners together with the device.

Copyright

This documentation is protected by copyright.

It may not be reprinted or reproduced (including illustrations) in whole or in part without prior written consent from the manufacturer. This also applies after changes to the documentation.

Warnings

The following warnings are used in these operating instructions:

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DANGER

A warning of this type indicates the immediate threat of a dangerous situation.

Death or serious injuries can result if this situation is not avoided.

- ▶ Follow the information in this warning to prevent death or serious personal injury.

WARNING

A warning of this type indicates the possibility of a dangerous situation.

Injuries and/or material damage can result if this situation is not avoided.

- ▶ Follow the information in this warning to prevent personal injury or material damage.

CAUTION

A warning of this type indicates the possibility of material damage.

Material damage can result if this situation is not avoided.

- ▶ Observe the information in this warning to prevent material damage.

NOTE

- ▶ A note indicates additional useful information for handling the device.

Intended use

This device is only intended for indoor use to display photos, videos, music files and digital television.

Other uses or uses that go beyond this use are considered unintended.

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⚠ WARNING

Danger caused by unintended use

Danger may result from unintended or other use of the device.

- ▶ Only use the device as intended.
- ▶ Adhere to the procedures described in these operating instructions.

All claims made as a result of damage caused by unintended use are excluded.

The operator alone bears the risk resulting from unintended use.

Limitation of liability

All technical information, data and instructions contained in these operating instructions were current at the time of printing and written to the best of our knowledge based on previous experiences and findings.

Therefore, no claims can be derived from the specifications, illustrations and descriptions contained in these instructions.

The manufacturer accepts no liability for damages caused by failure to observe these instructions, improper use or repairs, unauthorised device modifications or the use of non-approved spare parts.

Safety

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This chapter contains important safety instructions for handling the device.

This device complies with the applicable safety regulations. However, improper use can lead to personal injury or material damage.

Basic safety instructions

Observe the following safety instructions to ensure safe handling of the device:

- Visually inspect the device before using it to make sure that there is no external damage. Do not operate the device if it is damaged.
- Only have the device repaired by specialists. Improper repair work invalidates any warranty claims.
- Faulty components may be replaced with original spare parts only. Only original spare parts can guarantee that applicable safety requirements are adhered to.
- Disconnect the power supply adapter before cleaning the device, during thunderstorms, and in the event of malfunctions.
- Keep the device away from moisture and protect it from being penetrated by liquids or objects. Disconnect the power supply adapter immediately if the device comes into contact with liquids.
- Do not place any objects on top of the device.

Danger due to electrical current

DANGER

Danger of death due to electrical current

Coming into contact with live electrical lines or components can be fatal.

Adhere to the following safety instructions to avoid dangers associated with electrical current:

- ▶ Only use the included power supply adapter, since otherwise the device may be damaged.
- ▶ Do not operate the device when the power supply adapter, connection cable or plug is damaged.
- ▶ Do not open the housing on the device or on the power supply adapter under any circumstances. There is a risk of electric shock when coming into contact with live connections or if the electronic or mechanical layout of the device is altered.

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Handling the batteries

WARNING

Danger due to improper use

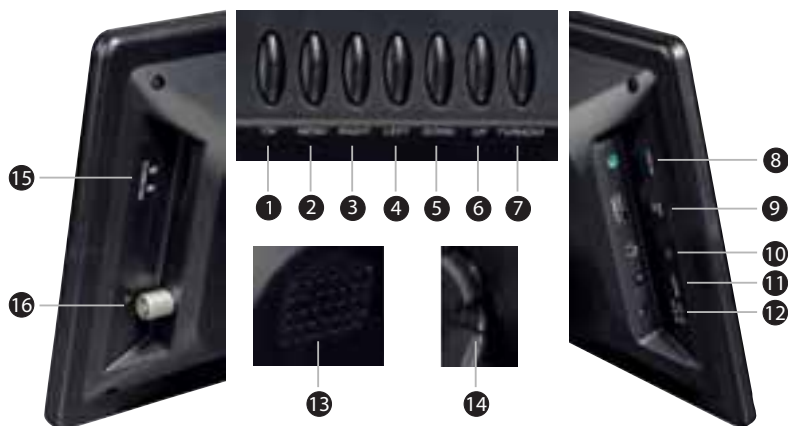
Observe the following safety instructions to ensure safe handling of the batteries:

- ▶ Do not throw the battery into a fire.
- ▶ Do not short-circuit the battery.
- ▶ Do not attempt to recharge the battery.
- ▶ Check the battery on a regular basis. Battery acid that has leaked out can cause permanent damage to the device. Exercise extreme caution when handling a damaged battery or one that has leaked. There is a danger of chemical burns. Wear protective gloves.
- ▶ Keep the battery out of the reach of children. If swallowed, seek medical attention immediately.
- ▶ Remove the battery from the remote control when the device is not used for an extended period of time.

Design and functionality

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Digital picture frame (rear view)



- | | |
|----------------------|--|
| ① OK | ⑩ Headphone output |
| ② Menu | ⑪ ON/OFF switch |
| ③ Right | ⑫ Socket for power supply adapter |
| ④ Left | ⑬ Loudspeaker |
| ⑤ Down | ⑭ Base opening |
| ⑥ Up | ⑮ Socket for DVB-T antenna |
| ⑦ TV/radio | ⑯ Connection for SD/MMC cards or memory sticks |
| ⑧ Audio/video output | |
| ⑨ USB connection | |

Remote control



MUTE	Sound ON/OFF (mute)
TV/RADIO	Switch between TV and radio
DPF	Open the DPF menu
INFO	Display channel information
1-9, 0	Number buttons to select the channel
◀◀	Fast reverse
▶▶	Fast forward
RECALL	Return to the previous channel
FAV	Favourites function ON/OFF
◀◀	Previous track
▶▶	Next track
SETUP	Setup menu
▶	Start/pause playback
■	Stop
▲	Direction button/flip photo horizontally/next channel
▼	Direction button/flip photo vertically/previous channel
OK	Confirm
◀	Direction button/rotate photo
▶	Direction button/rotate photo
REPEAT	Repeat
EXIT	Exit mode
MENU	Return to the main menu
LIST	Station list
TTX	Videotext (Teletext)
EPG	EPG (Electronic Programme Guide)
VOL +	Increase volume
VOL -	Decrease volume
AUDIO	Audio mode
SUBTITLE	Subtitles ON/OFF (if available)

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Getting started

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Safety instructions

⚠ WARNING

Personal injury and material damage may occur when using the device for the first time.

Observe the following safety instructions to avoid these dangers.

- ▶ Packaging materials may not be used as toys. There is a risk of suffocation.
- ▶ Follow the instructions for positioning the device and making the electrical connections to prevent personal injury and material damage.

Included components and delivery inspection

The device includes the following components as standard:

- Digital picture frame
- Power supply adapter
- DVB-T antenna
- Remote control
- 1 CR2025 battery, 3 V DC
- Audio/video cable
- Operating instructions

NOTE

- ▶ Check the delivery for completeness and visible damage. Inform your supplier/dealer in the event of incomplete or damaged deliveries.

Unpacking

When unpacking the device, proceed as follows:

- ◆ Take the device out of the box and remove the packaging material.
- ◆ Remove the packaging material for the accessories.
- ◆ Remove the protection foil on the LCD colour screen of the device.

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Disposal of packaging materials

The packaging protects the device from damage during transportation. The packaging materials have been selected according to environmental and disposal factors and can therefore be recycled.

Recycling packaging saves raw materials and reduces the volume of waste. Dispose of packaging materials that are no longer needed according to locally applicable regulations.

NOTE

- ▶ If possible, retain the original packaging for the duration of the warranty period so that you can pack the device properly in the event of warranty claims.

Positioning requirements

The device must be positioned according to the following requirements in order to ensure safe and error-free operation:

- Place the device on a flat, level surface.
- Do not place the device in a hot, wet, or very humid environment.
- The device requires adequate air circulation in order to function properly. During operation, do not place the device on soft surfaces, carpets, or other materials that might block air circulation.
- The socket must be easily accessible so that it is easy to disconnect the power supply adapter in case of an emergency.

Electrical connection

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The electrical connections must be made according to the following instructions in order to ensure safe and error-free operation:

- Before you connect the device, compare the connection data for the power supply adapter (voltage and frequency) on the type plate with that of your mains power supply. This data must match to avoid damage to the device.
- Keep the cable away from hot surfaces and sharp edges.
- Make sure not to bend the cable or pull it too tightly.

Installation and connections

For continuous playback, the device can be placed on a flat surface or hung on the wall.

If you want to put the device on a flat surface, attach the supplied base to the rear of the device.

- ◆ Screw the base into the base opening ¹⁴ on the device.
- ◆ Position the device upright or on its side. To do so, turn the base to the appropriate position.

CAUTION


The device can be damaged if it tips over or falls down.

- ▶ Make sure that the device cannot tip over.

- ◆ Connect the connection cable to the socket ¹² on the device and plug in the power supply adapter.

NOTE

- ▶ Only use the enclosed power supply adapter.

- 
- ◆ Connect a suitable storage medium to the device. The following types of storage media can be read:
 - SD cards .
 - MMC cards
 - Memory sticks
 - USB storage media
 - ◆ Connect the DVB-T antenna to the socket **15** to use the device as a digital TV.
 - ◆ Switch on the device by setting the ON/OFF switch **11** to the ON position.

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Remote control

Inserting the battery

Remove the supplied battery from the packaging.

To insert/replace the battery, proceed as follows:

- ◆ Remove the battery compartment from the remote control by pressing in the side locking mechanism while simultaneously pulling out the battery compartment.
- ◆ Remove the used battery and insert a new battery of type CR2025 (button cell) in the battery compartment. Be sure to install the battery according to the correct polarity.
- ◆ Slide the battery compartment back into the remote control.

Operation

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Using the menu

The device is equipped with a user-friendly menu. The menu appears on the screen.

You open the main menu using the “MENU” button. In the menu, use the “▲▼” buttons to move around, and select the desired function.

When you confirm your selection by pressing “OK”, a corresponding submenu appears. Use the “▶” button to go to the submenu. Again, use the “▲” or the “▼” button to move around, and select the desired line. The selected line is highlighted in colour.

Confirm your selection using the “OK” button. Usually, an additional menu will then appear, in which you move around using the “◀▶▼▲” buttons and select the desired setting.

Use “Exit” to exit the current menu level.

For orientation purposes, the menu structure is also included in the Appendix.

You can control the device using the buttons on the rear or with the included remote control.

Changing the operating language

The operating language is set to English at the factory. To change this setting, proceed as follows:

- ◆ Press the “SETUP” button on the remote control. . .
- ◆ Select “System Setting” and confirm by pressing the “OK” button.
- ◆ Select “Language Setup” – “OSD” and then the desired operating language, and confirm your selection by pressing the “OK” button.
- ◆ Exit the menu by pressing the “Exit” button on the remote control.



Initial installation

When the device is started up for the first time, the setup assistant appears.

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- ◆ Start the setup assistant by selecting “YES”, and confirm your selection by pressing the “OK” button.
- ◆ Select “Country” and then the country in which you want to operate the device. Confirm by pressing the “OK” button.
- ◆ Select “Language” and then the desired menu language. Confirm by pressing the “OK” button.
- ◆ Select “Time Zone” and then the desired time zone. Confirm by pressing the “OK” button.
- ◆ Select “Next” to continue with the setup.
- ◆ Select “Yes” to perform an automatic channel search to receive DVB-T stations.

System settings

Select “Setup” from the main menu and confirm with “OK” to open the setup menu. Now select “System settings” and confirm with “OK” to open the system setup menu. The following menu items are available:

- Language setting:

OSD	Select the desired On Screen Display language (operating language).
Encoding	Select either Western European or Central European.



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■ Display setting:

TV standard	Choose PAL or NTSC. Selecting AUTO automatically adjusts the standard.
AV output	Choose between display on the device (Format) or on a television (TV).
Display format	Select the screen format: 4:3 PS 4:3 LB 16:9
Brightness	Choose between Normal, Bright and Soft (Dark).
Contrast	Adjust the contrast.
LCD brightness	Adjust the brightness.
LCD contrast	Adjust the contrast.
LCD saturation	Adjust the colour saturation.

■ Defaults:

Change PIN	Change the PIN
Default	Select "Read" to restore the factory settings.

- Exit: Select this menu item or press the "EXIT" button to exit the setup menu.



Digital TV

Select "Digital TV" from the main menu and confirm with "OK" to start DVB-T mode.

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Setup

Press the "SETUP" button on the remote control and select the DVB menu to open the Digital TV setup menu.

The following menu items are available:

Station list

- TV station/music station: the TV and music channels that were found during the channel search are saved in station lists. The following settings can be made:

Fav	Select a channel and mark it as a favourite by pressing the "OK" button.
Move	Select a channel, press the "OK" button and use the "▲▼" buttons to move it to the desired position. Press the "OK" button to confirm the position.
Del	Select the channel to be deleted and press the "OK" button to delete the channel from the list.

- Sort: within the list, the stations can be sorted by name, service ID, or channel number.

Station search

- Auto-search: start automatic channel search for TV and radio stations.
- Manual search: start manual channel search for a specific channel.

Child protection

- Block channel: activate/deactivate blocking function for the current channel.

NOTE

- ▶ In order to deactivate the blocking function, you have to enter a PIN. This PIN is set to "8888" at the factory.
 - ▶ You can change the PIN in the DVB menu under "System settings" – "Defaults" – "Change PIN".
- Set child protection: after entering the PIN, select the stations to be blocked and mark them by pressing the "OK" button. Save your changes and exit the menu by pressing the "Exit" button.

System settings

- Country: select the country for the channel search.
- Language: select the language for the first/second audio channel and for subtitles.
- Use GMT: activate/deactivate automatic time setting.
- Time zone: select the time zone in which you want to operate the device. For Germany, this means: GMT+01:00 (German standard time/"winter time") or GMT+02:00 (German summer time).
- System schedule: you can create and edit a schedule here. The device will then automatically switch to the desired station at the scheduled time. You can schedule a total of 10 tasks. The following entries are required for each task:

Mode	Activate/deactivate task
Frequency	Time interval for the task (once/daily/weekly)
Channel type	TV or radio station
Channel number	Station number
Time setting	Start date/start time/stop time

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- Exit: Select this menu item or press the “EXIT” button to exit the setup menu.

Operation

You can use the remote control to perform the following functions:

Button	Function
MUTE	Switch off sound
TV/RADIO	Toggle between TV and radio reception.
INFO	Information about the current station
1-9	Channel selection
RECALL	Switch back to the last channel
FAV	Open the favourites list
SETUP	Open the setup menu
▲/▼	Move channel forward/backward
OK	Open the channel list
MENU	Open the main menu
VOL+/VOL-	Adjust volume
LIST	Open the station list
TTX	Open teletext
EPG	Open the Electronic Programme Guide
AUDIO	Adjust audio settings
SUBTITLE	Display subtitles (if available)

DPF (Digital Picture Frame)

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Setup

Select "Setup" from the main menu and confirm with "OK" to open the setup menu. Now select "DPF Setup" and confirm with "OK" to open the system setup menu for the digital picture frame. The following menu items are available:

Photo settings

Interval	Select the time interval at which the images should change. When this function is deactivated (OFF), the images can only be changed manually.
Cross-fade	Select the transition effect to be used when the images change.
Show type	Select the mode in which the images should be displayed. Fit Screen - original format Full screen - adjust to fill the screen (taking aspect ratio into account).
Browse	Choose a display format: Thumbnail - display preview images File manager - display file structure

Auto-playback

This is where you can activate (On) or deactivate (Off) automatic playback for the photo, music and film functions.

Exit

Select this menu item or press the "EXIT" button to exit the setup menu.



DPF menu

Select “DPF” from the main menu and confirm with “OK” to open the DPF menu.

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NOTE

- ▶ The device automatically checks whether a storage medium is available.
- ▶ You cannot select different types of media at the same time.
- ▶ The device displays photos or plays music/videos automatically if their respective “Auto-playback” settings in the setup menu are set to “On”.

The following functions are available:

Photo

Select this function to display photos.

You can use the remote control to perform the following functions:

Button	Function
TV/radio	Switch to TV and radio reception.
INFO	Press 2x - display image data Press 3x - hide Infobox
◀◀ / ▶▶	Previous image/next image
SETUP	Open the setup menu
▶	Start/pause slide show
STOP	Open image preview
REPEAT	Select repeat function: Track, Folder, All or None
▲	Flip horizontally
▼	Flip vertically
◀	Rotate 90° to the left
▶	Rotate 90° to the right
EXIT	Press 1x - return to the DPF menu Press 2x - return to the main menu
MENU	Return to the main menu



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Image preview:

NOTE
▶ Thumbnail mode is only available if the “Photo settings” - “Browse” option in the setup menu is set to “Thumbnail”.

In this mode, you can rotate or quickly select images for the slide show.

- ◆ Select “Rotate” and confirm with “OK” to activate rotate mode.
- ◆ Select the image to be rotated and confirm by pressing the “OK” button.
- ◆ Select “Reset” to undo the rotation or “Back” to return to thumbnail mode.

Use the |◀◀ / ▶▶| buttons to open the individual pages of the image preview. Select “Slide Show” to start the slide show.

NOTE
▶ When you press the “EXIT” button to exit image preview, the rotated images are reset.

Music

Select this function to listen to music. The available MP3 files are displayed in a folder structure. Select a track and confirm with “OK” to play the track.

You can use the remote control to perform the following functions:

Button	Function
TV/radio	Switch to TV and radio reception.
◀◀ / ▶▶	Fast reverse/fast forward
◀◀ / ▶▶	Previous track/next track
SETUP	Open the setup menu
▲▶▼◀	Direction buttons
▶	Start/pause playback
STOP	Stop the track
OK	Select folder/file
REPEAT	Select repeat function: Track, Folder, All or None
EXIT	Press 1x - return to the DPF menu Press 2x - return to the main menu
MENU	Return to the main menu
VOL+	Increase volume
VOL-	Decrease volume

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Photo + music

Select this function to play the slide show with background music.

NOTE

- ▶ This function can only be executed if photo and MP3 files have been saved on the storage medium.



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Film

Select this function to watch videos. The available videos are displayed in a folder structure. Select a video and confirm with "OK" to start the video.

You can use the remote control to perform the following functions:

Button	Function
TV/radio	Switch to TV and radio reception.
INFO	Press 2x - display file information Press 3x - hide Infobox
◀◀ / ▶▶	Fast reverse/fast forward
◀◀ / ▶▶	Previous video/next video
SETUP	Open the setup menu
▶	Start/pause playback
STOP	Stops the video and opens the folder structure
OK	Select folder/file
REPEAT	Select repeat function: Track, Folder, All or None
EXIT	Press 1x - return to the DPF menu Press 2x - return to the main menu
MENU	Return to the main menu
VOL+	Increase volume
VOL-	Decrease volume

Edit

Select this function to copy images (as favourites) from a storage medium to the internal memory and then use them as a screen saver. The following menu items are available:

- Copy:
 - ◆ Select the photos to be copied and mark them by pressing the “OK” button.
 - ◆ Select “Save” to save the marked photos to the internal memory or “End” to return to the DPF menu without saving.
- Delete:
 - ◆ Select “Delete” to enter “Delete mode”.
 - ◆ Then select the photo to be deleted and delete the photo from the internal memory by pressing “OK” or selecting “Delete all”.
 - ◆ Select “Back” to return to edit mode.
 - ◆ Select “Sort” to change the order of the photos.
 - ◆ Select the photo for which you want to change the position and mark it by pressing the “OK” button.
 - ◆ Now use the direction buttons to move the photo to the desired position and confirm this position by pressing “OK”.
 - ◆ Select “Back” to return to edit mode or “Slide Show” to start the slide show.
- Exit: select this menu item or press the “EXIT” button to return to the DPF menu.

Favourite

Select this function to start the slide show using the photos that have been stored in the internal memory.

Accessories (additional functions)

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Select "Accessories" from the main menu and confirm with "OK" to open the accessories menu.

The following additional functions are available:

Calendar

Settings

You can set the current date here. Select the year, month and day, using the "▲▼" buttons to change the value. Select "OK" to save your settings or "Cancel" to cancel the operation.

Display

Select "Display" to display the calendar and a clock. Use the "EXIT" button to exit display mode.

Cancel

Select this menu item to return to the accessories menu.

Clock

Settings

You can set the current time here. Select the hour, minute and second, using the "▲▼" buttons to change the value. Select "OK" to save your settings or "Cancel" to cancel the operation.

Display

Select "Display" to display the time. Use the "EXIT" button to exit display mode.

Cancel

Select this menu item to return to the accessories menu.

Alarm

Activate

You can activate ("On") or deactivate ("Off") the alarm function here.

Settings

Set the time for the alarm here. Select the hours and minutes, using the “▲▼” buttons to change the value. Select “OK” to save your settings or “Cancel” to cancel the operation.

Exit

Select this menu item to return to the accessories menu.

Cleaning and care

This chapter contains important information for the cleaning and care of the device.

Safety instructions

CAUTION

Moisture can damage the device.

- ▶ To prevent irreparable damage, make sure that no moisture gets into the device when you clean it.

Cleaning

The display on your device is located behind protective glass.

- Only clean the display with a dry, soft cloth.
- Do not apply pressure to the screen surface when you clean the device.
- To keep from damaging the surface, do not use solvents or alcohol-based cleaners to clean the device.

NOTE

- ▶ For gentle cleaning and care of the display, we recommend that you use a microfibre cleaning cloth. This is available from Hama (item no. 51076/51077), individually or together with a cleaning gel as part of a set.
- Clean the rest of the device with a dry cloth. You can lightly dampen the cloth if the device is very dirty.

Troubleshooting

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This chapter contains important information for localising and rectifying errors. Observe the information to avoid dangers and material damage.

Safety instructions

⚠ WARNING

Observe the following safety instructions to avoid safety risks and material damage:

- ▶ Repairs to electrical devices may only be carried out by specialists who have been trained by the manufacturer. Improper repairs can result in significant danger to the operator and damage to the device.

Causes of errors and error rectification

The following table can be used to localise and rectify minor errors with the device:

	Error	Possible cause	Solution
General information	Display is blank	Device is switched off	Switch on the device.
		Power supply adapter not connected correctly	Ensure that the power supply adapter is plugged in and connected to the device.
		No mains power	Check your fuse box.
		Device is faulty	Inform our customer service department.
DPF	No image appears	No storage medium is inserted	Insert a storage medium.
		The storage medium does not contain data	Check your storage medium.



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	Error	Possible cause	Solution
Digital TV	"No/weak signal" message	No DVB-T signal is received, or the signal is too weak	Check your antenna. If the reception is weak, select another location. If you are using the device in a new location, repeat the channel search procedure.
	No sound	Headphones are plugged in (loudspeakers are off)	Unplug the headphones.
	Individual channels cannot be accessed.	The channels may be blocked on this device (password required).	Check your "Child protection" settings.

NOTE

► Contact our customer service department if the problem remains after taking the steps detailed above.

Storage

If you are not going to use the device for an extended period of time, switch off the device, disconnect it from power, and store it in a clean, dry place that is away from direct sunlight.

Disposal

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Device disposal



Do not dispose of the device with household waste. This product is subject to the European 2002/96/EC Waste Electrical and Electronic Equipment (WEEE) directive.

Dispose of the device at an approved waste disposal company or at your local waste disposal facility. Observe all applicable regulations. In case of doubt, contact your waste disposal facility.

Battery disposal

Batteries must not be disposed of with household waste. Consumers are obliged by law to return batteries to the public collection points set up for this purpose. This legal obligation ensures that batteries are disposed of in an environmentally-friendly fashion. Only return discharged batteries.



This device complies with the basic requirements and other relevant regulations of directive 2004/108/EC und 2006/95/EC..

The original declaration of conformity can be found in full at <http://www.hama.com>.

Appendix

Technical specifications

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General information	
Power supply input	100-240 V AC / 50/60 Hz / 0.4 A Max
Power supply output	12 V DC / 1 A
Power consumption	10 W
Dimensions (L x W x H)	25 x 3.5 x 19 cm (without the base)
Weight	Approx. 680 g
Loudspeaker	1 W x 2
TV/radio	
Modulation schemes	QPSK, 16-QAM, 64-QAM
Bandwidth	6.7 or 8 MHz
VHF input frequency	170-230 MHz
UHF input frequency	470-862 MHz
Screen	
Display	8" 4:3 LCD
Resolution	800 x 600 x 3 (RGB)
Remote control	
Button cell battery (CR 2025)	3 V
Compatible storage media	
SD/MMC cards, memory sticks, and USB 2.0	
Supported file formats	
JPEG, MP3, WMA, MPEG-1, MPEG-2, MPEG-4	



Menu structure for the DPF

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