

AKAI

DVD Player

AD70H



User manual

Gebruiksaanwijzing

Manuel de l'utilisateur

Manual de instrucciones

Gebrauchsanleitung

Οδηγίες χρήσεως

GB 2

NL 25

FR 49

ES 73

DE 97

EL 122

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Copyright notice

Design and specifications are subject to change without notice.

1. Safety

1.1 Intended use

The DVD Player plays music, film and photos from DVDs and USB. The appliance also plays music from CDs and photos from Kodak picture CDs. Read the manual carefully before the first use.



DVDs and DVD appliances are manufactured under the worldwide agreed DVD regional code system that the appliance will operate only with corresponding disc of the same regional code. If the code number on the label of a DVD does not match that on the label alongside, the DVD will not play on this appliance.



The appliance has built in copyright protection technology that prevents copying from a disc to any media. If a video recorder is connected to the appliance, the video output image will be distorted during recording.



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Due to the great variety of products with external memory connection (USB, SD/MMC, etc.) and their sometimes quite manufacturer-specific functions we can neither guarantee that all devices will be recognised, nor that all operating options that are possible in theory will actually work.

1.2 Labels in this manual



WARNING

A warning means that injury or death is possible if the instructions are not obeyed.

**CAUTION**

A caution means that damage to the equipment is possible.



A note gives additional information, e.g. for a procedure.

1.3 General safety instructions

**WARNING**

Do not put force on the appliance. The appliance can fall and can cause serious injury.

**CAUTION**

Do not spill any liquid on the appliance.

**WARNING**

Do not insert any objects in the ventilation holes.

**CAUTION**

Do not block the ventilation holes.



This appliance is double insulated; therefore no earth wire is required. Always check that the mains voltage corresponds to the voltage on the rating plate.



This appliance employs a laser system. To prevent direct exposure to the laser beam, do not open the appliance. Visible laser radiation when open and interlock defeated.

2. Preparations for use

2.1 Unpacking

- Unpack the appliance carefully.
- Check the package contents as described below. If any item is missing, please contact your reseller.
- Remove the labels from the front panel carefully if present.



We recommend that you retain the original carton and packing materials in case it ever becomes necessary to return your product for service. This is the only way to safely protect the product against damage in transit. If you do dispose of the carton and the packing materials, please remember to recycle with due care to the environment.

2.2 Package contents

The following items are included in the received package:

- 1 DVD Player
- 1 Remote control
- 2 Batteries (AAA)
- 1 RCA cable
- 1 Operator manual



If any item is missing, please contact your reseller.

3. Installation

- Put the appliance on a horizontal flat surface.
- Connect the random equipment to the appliance. Read the paragraph "Connecting random equipment".
- Connect the appliance to the mains.
- Install the batteries in the remote control. Read the paragraph "Remote control".



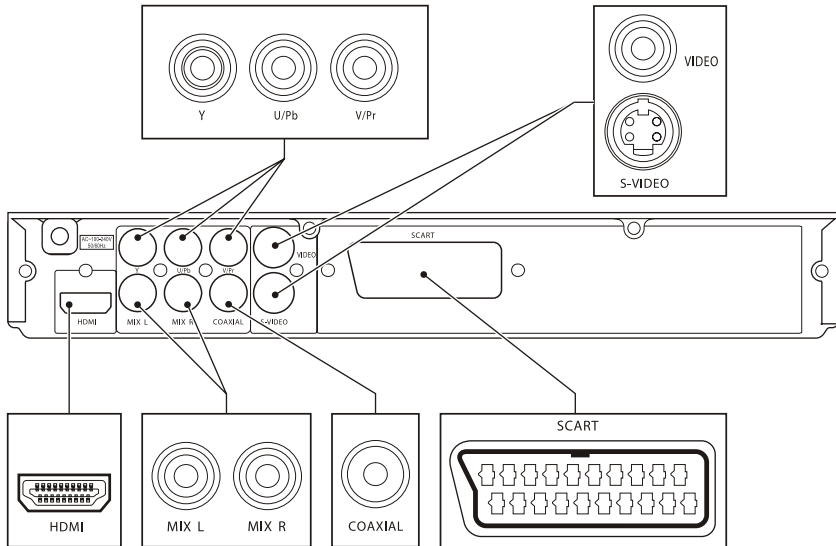
CAUTION

- Do not put the appliance near a heat source.
- Do not expose the appliance to direct sunlight.



This appliance is equipped with rubber feet to prevent it from moving. The feet are made from non-migrating material specially formulated to avoid leaving any marks or stains on furniture. However, certain types of furniture polishes, wood preservatives or cleaning sprays cause the rubber to soften and leave marks or a residue on the furniture, and potentially risk the surface to become damaged. To prevent damage to wooden surfaces, we recommend that you apply self-adhesive pads to the bottom of the rubber feet before installation.

3.1 Connecting random equipment



The appliance includes various options for permanent connection of random equipment. Suitable cables can be purchased at your reseller.

Audio connections (output)

These connections allow you to send audio signal to a connected TV or amplifier.

The appliance has the following audio outputs:

- **STEREO AUDIO:** Connect a suitable cable to the R/L channels of the AUDIO OUT connection.
- **COAXIAL DIGITAL AUDIO:** Insert a suitable cable into the COAXIAL AUDIO OUT connection.

Video connections

The video connections allow you to send video signal (still images or movies) to a connected TV.

The appliance has the following video outputs (in order of preference):

- **HDMI:** Connect a suitable cable into the HDMI OUT connection.
- **COMPONENT VIDEO:** Connect a suitable cable to the Y / U/Pb / V/Pr channels of the COMPONENT VIDEO OUT connection.
- **SCART:** Insert a suitable cable into the SCART OUT connection.
- **S-VIDEO:** Insert a suitable cable into the S-VIDEO OUTPUT connection.
- **COMPOSITE VIDEO:** Insert a suitable cable into the VIDEO OUTPUT connection.



Do not make all connections simultaneously as this will affect the output quality.

3.2 Remote control

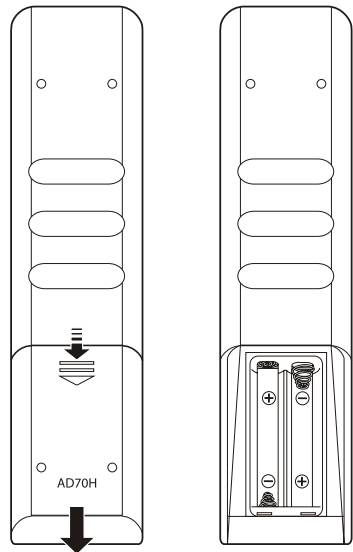
Install batteries

- Remove the battery cover.
- Insert the batteries matching the (+) and (-) polarity markings.
- Re-install the battery cover.



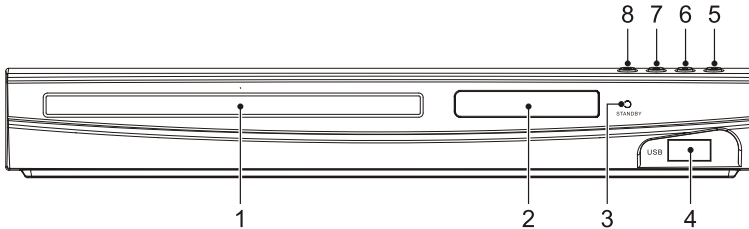
CAUTION

Incorrect installation can cause battery leakage and corrosion which will damage the appliance. Corrosion, oxidation, battery leakage and any other gradually acidic defect of this nature will invalidate the guarantee.



4. Functions

4.1 DVD Player

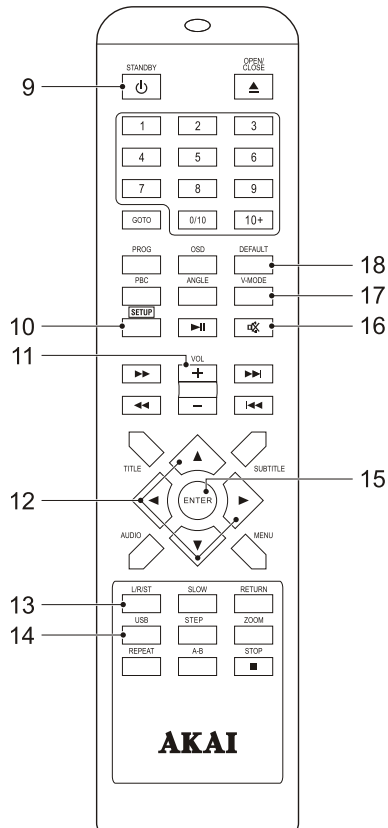


- 1 Disc tray
- 2 Display
- 3 Standby indicator
- 4 USB slot
- 5 Play/Pause button
- 6 Stop button
- 7 Open/close button
- 8 Standby button

4.2 Remote control

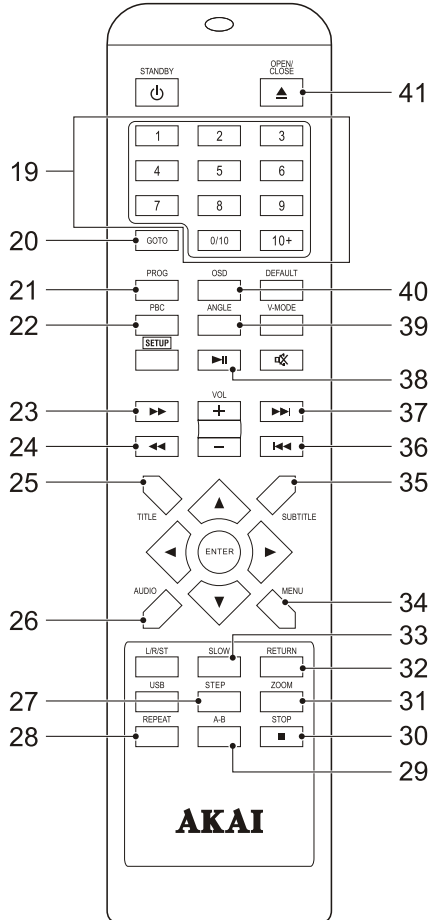
General functions

- 9 Standby button
- 10 SETUP button
- 11 VOLUME +/- button
- 12 Arrow buttons
- 13 L/R/ST button
- 14 USB button
- 15 ENTER button
- 16 MUTE button
- 17 VIDEO OUTPUT MODE button (V-MODE)
- 18 DEFAULT button



DVD functions

- 19 Digit buttons (0-10+)
- 20 GO TO button
- 21 PROGRAM button (PROG)
- 22 PLAYBACK CONTROL button (PBC)
- 23 FastForward button
- 24 FastRewind button
- 25 TITLE button
- 26 AUDIO button
- 27 STEP button
- 28 REPEAT button
- 29 A-B REPEAT button
- 30 STOP button
- 31 ZOOM button
- 32 RETURN button
- 33 SLOW button
- 34 MENU button
- 35 SUBTITLE button
- 36 PREVIOUS button
- 37 NEXT button
- 38 PLAY/PAUSE button
- 39 ANGLE button
- 40 On Screen Display button (OSD)
- 41 OPEN/CLOSE button



5. Operation

All functions of the appliance are accessible using the remote control. All instructions refer to operation with the remote control, unless indicated otherwise.

5.1 Quick start

General functions

- Set the appliance in the standby mode.
- To switch on the appliance, press the Standby button (9). To switch back to the standby mode, press the Standby button (9) again. In standby mode, the indicator (3) lights up.
- To select an extra signal source (USB), press the USB button (14). Press the button once again to exit this function.
- To adjust the volume, press the VOLUME + button or the VOLUME - button (11).
- To select the audio channel during Video CD playback, press the L/R/ST button (13).
- To mute or restore sound, press the MUTE button (16).

DVD/CD functions

- Switch on the appliance.
- Place a disc in the disc tray. To open or close the disc tray, press the OPEN/CLOSE button (41).

The display shows the total number of tracks on the CD.

- To start playback, press the PLAY/PAUSE button (38) once.
- For extended instructions, read the paragraph "DVD/CD functions" further on in this manual.

USB functions

- Switch on the appliance.
- Insert the USB device in the slot (4). The device can only be connected one way.
- Select the USB mode.
- To start playback, press the PLAY/PAUSE button (38) once.
- For extended instructions, read the paragraph "USB functions" further on in this manual.

5.2 DVD/CD functions

After the disc has been loaded, a content menu will display on the TV screen.

- Press the arrow buttons (up and down, left and right) to select a menu item.
- Press the ENTER button to enter the selected menu item.

During playback, the following functions are available:

- To select a chapter (DVD) or track (CD), press the digit buttons (28).
- To select the next or previous chapter (DVD) or track (CD), press the PREVIOUS button (36) or the NEXT button (37).
- To forward or rewind the DVD, press the FastForward button (23) or the FastRewind button (24). The available speed rates are: 2x, 4x, 8x, 16x, 32x.
- To pause playback, press the PLAY/PAUSE button (38) once; to resume playback, press the button again.
- To stop playback temporarily, press the STOP button (30) once. Press the button again to stop playback permanently, or press the PLAY/PAUSE button (38) to resume playback.
- To playback in slow-motion, either forward or backward, press the SLOW button (33) repeatedly. The available speeds are: 1/2, 1/4, 1/8, 1/16.
- To repeat a chapter (DVD) or one or all tracks (CD):
 - Press the REPEAT button (28) once to repeat the current chapter or track.
 - Press the button twice to repeat all chapters or tracks.
 - Press the button three times to cancel the function.
- To play the DVD frame by frame, press the STEP button (27). Press the PLAY/PAUSE button (38) to resume normal playback.
- To view a specific title of a DVD, press the TITLE button (25). Use the arrow buttons to select the title.
- To select the audio language of a DVD, press the AUDIO button (26) repeatedly until the desired language is set.
- To switch on the subtitles of a DVD, press the SUBTITLE button (35). Press the button again to switch off the subtitles.
- To select extra information of a DVD or CD (remaining time/passed playtime/track number/chapter number), press the OSD button (40).
- To select the camera angle, press the ANGLE button (39).
- To return to the main menu, press the RETURN button (32).



- Normally, if an MP3 disc is loaded, the unit will take longer time to read the initial data.
- A DVD that does not match the region code cannot be read by this appliance.
- Do not load the disc upside down.
- If a disc contains mixed content (e.g. MP3 and video files), the appliance will only recognise, list and play one content type.
- The screen saver becomes active if no disc has been loaded for 3 minutes, or if the appliance has been in STOP mode for 3 minutes.

Using the GO TO function

The GO TO function can be used to select a specific starting point on a DVD or CD.

- Press the GO TO button (20).
- Press the arrow buttons to select an entry.

The possible entries for DVD are:

- Disc time
- Chapter
- Title
- Chapter time
- Title time

The possible entries for CD are:

- Track time
- Specific track
- Press the digit buttons to set a selection.

Using the PROGRAM function

- Press the PROG button (21) to enter the PROGRAM function.
- Press the digit buttons to select a desired track, and use the arrow button down to highlight the next entry.
- To confirm the selection and start the program, move the highlight to "START" and press the ENTER button.
- To stop the program, press the PROGRAM button and press ENTER.

Using the A-B REPEAT function

The A-B REPEAT function can be used to repeat a specific section of a DVD.

- Press the A-B REPEAT button (29) once to select the starting point (A).
- Press the A-B REPEAT button again to select the ending point (B).
The appliance plays the section repeatedly.
- To cancel the A-B REPEAT function, press the A-B REPEAT button again.
The appliance will resume the normal playback.

Using the ZOOM function

This function can be used for zooming in and out on photos and DVDs.

The available zoom ratios are: 2x, 3x, 4x, 1/2, 1/3, 1/4.

- Press the ZOOM button (31).
- Press the ZOOM button again to set the correct size.
- Press the arrow buttons to move through the picture.

Using the MP3/MPEG4 playback function

- Insert an MP3/MPEG4 disc. A content menu will display on the TV screen.
- Press the arrow buttons (up and down) to select a folder or a file.
- Press ENTER to enter the selected folder or file.
- Press the PROG button to switch between folders and files. Press ENTER to confirm.
- Press the MENU button (34) to return to the content menu during playback.

Using the Kodak picture CD playback function

- Insert a Kodak picture CD.
- Press the STOP button to enter the thumbnail mode. Choose an option (Slide show/Menu/prev-next) and press ENTER.
- Press the PROG button to change the mode and press ENTER to confirm.
- Press the PLAY/PAUSE button (38) to hold the slide show at the current picture.
- Press the PREVIOUS button (36) or the NEXT button (37) to select the previous or next picture.
- Press the PLAY/PAUSE button (38) to resume the slide show.
- To flip the image vertical or horizontal, press the up/down arrow buttons.
- To rotate the image left or right, press the left/right arrow buttons.
- To magnify the picture, press the ZOOM button (31). To zoom in or out on the picture, press the FastForward button (23) or FastRewind button (24).
To move the picture, press the arrow buttons.



The slide show is paused in the zoom mode. The image rotation and wipe effect functions are not available in the zoom mode.

Using the Video CD playback function

- Press the PLAYBACK CONTROL button (22) to switch on the playback function.
- Insert a Video CD.
- To start playback, press the PLAY/PAUSE button (38) once.
- Press the PLAYBACK CONTROL button (22) to quit the playback and return to the main menu.

5.3 USB functions

After the device has been connected, a content menu will display on the TV screen.

- Press the arrow buttons (up and down) to select a folder or a file.
 - Press ENTER to enter the selected folder or to play the file. You can also use the digit buttons (19) to select a folder or to play the file.
 - Press the PROG button to switch between folders and files. Press ENTER to confirm.
 - Press the MENU button to return to the content menu during playback.
- During playback, the following functions are available:
- To select a track, press the PREVIOUS button (36) or the NEXT button (37) until the desired track is set.
 - To pause playback, press the PLAY/PAUSE button (38) once; to resume playback, press the button again.
 - To stop playback, press the STOP button (30).
 - To remove the device, gently pull it out of the slot.



Due to the great variety of products with USB ports and their sometimes quite manufacturer-specific functions we can neither guarantee that all devices will be recognised, nor that all operating options that are possible in theory will actually work.

5.4 General setup menu operation

This chapter explains a complete setup of the appliance: settings of screen display, audio setup and video setup.

The following actions have to be carried out with the remote control.

- Press the SETUP button (10).
- Press the arrow buttons (left and right) (12) to select a submenu. The submenu is displayed directly.
- Press the arrow buttons (up and down) to scroll through the submenu.
- Press the ENTER button (15) to select a setting, or the left arrow button to cancel the selection.
- Press the SETUP button to store the settings and exit.

General setup page

- In the TV DISPLAY section, press the arrow buttons to select 4:3 PANSKAN or 4:3 LETTERBOX for a conventional TV set. Select 16:9 or WIDE SQUEEZE for a wide screen TV set.
- In the ANGLE MARK section, press the arrow buttons to switch this function ON or OFF.
- In the OSD LANG section, press the arrow buttons to choose the language.
- In the CLOSED CAPTIONS section, press the arrow buttons to switch this function ON or OFF. When switched ON, the appliance shows hidden text when it is available.
- In the SCREEN SAVER section, press the arrow buttons to switch the screen ON or OFF.
- In the HDCD (High Definition Compatible Digital) section: Select the value (2x, 1x or OFF) for full sound richness of HDCD-encoded CDs.
- In the LAST MEMORY section press the arrow buttons to switch this function ON or OFF. When switched ON, the appliance remembers the disc's last playback time.

Audio setup page

Analog audio setup

DOWNMIX

- Select LT/RT to mix 5.1-channel audio into left channel and right channel.
- Select STEREO to mix 5.1 channel audio into signal stereo.



This function is only available for 5.1-discs with Dolby AC-3 encoding.

Digital audio setup

DIGITAL OUTPUT

- Select SPDIF/OFF to switch off the digital audio signal output.
- Select SPDIF/RAW to set the digital audio signal output to its raw format (DTS/Dolby Digital 5.1).
- Select SPDIF/PCM to set the digital audio signal output to PCM format.



When SPDIF/PCM is set, the LPCM OUT feature sample rating for the analog audio input (48 kHz or 96 kHz).

Dolby digital audio setup

DUAL MONO

- Stereo: both channels as is. STEREO is the default setting.
- L-Mono: left channel only.
- R-Mono: right channel only.
- Mix-Mono: the average of both the left and right channel.

DYNAMIC

- Select the value for the dynamic range compression.

Video setup page

VIDEO OUTPUT

- OFF: Select S-Video mode of the S-Video connection.
- YUV: Set the video output in analog component video format.
- RGB: Set the video output in RGB format when SCART output is used.



- The composite video output is the default setting for video output.
- If the video output results in a poor image, then press the V-Mode button until the image is good.

RESOLUTION

- Select a resolution.

COLOUR SETTING

- SHARPNESS: Adjust the screen sharpness. Select High, Medium or Low.
- BRIGHTNESS, CONTRAST, HUE & SATURATION: Adjust the screen settings.
- GAMMA: Adjust the colour intensity. Select High, Medium, Low or None.
- LUMA DELAY: Compensate the delay in the colour signal. Select 0T or 1T.

HDMI SETUP

- Switch this function ON or OFF.



When HDMI is switched ON, the menu items VIDEO OUTPUT, TV DISPLAY and TV TYPE are not available.

Preference setup page



The preference menu can only be accessed when the disc tray is open or empty, or when the disc in the disc tray is stopped.

TV TYPE

- Select the video output format to match the appliance to the TV system: PAL, AUTO or NTSC.

LANGUAGES

- In the AUDIO section, choose the audio language.
- In the SUBTITLE section, choose the subtitle language.
- In the DISC MENU section, choose the language for the disc menu.



If the selected language is not available on the disc, the default setting will remain enabled.

PARENTAL

- Set a rating for movies played by the appliance. Movies rated higher than the level set for the parental lock can not be viewed.
- The password to reset the rating is 136900.



This function is only available with discs that have parental rating encoded.

PASSWORD

- Enter the current password in the first box.
- Enter the new password in the second box. Enter the new password again in the third box to confirm.



The default password (136900) is always active. Even if the password has been reset.

DEFAULT

- Restore all default settings of the appliance, except the settings for the menu items PARENTAL and PASSWORD.



This function can also be executed with the DEFAULT button (18) on the remote control.

6. Cleaning and maintenance



WARNING

Before performing any cleaning or maintenance, switch off and unplug the appliance.

- Clean the outside of the appliance with a soft cloth. When the appliance is very dirty, dampen the cloth slightly with water and a neutral solution.

6.1 Handle and care of a disc

- Hold the disc with fingers. Hold the disc outer edge and/or the centre spindle hole. Do not touch the disc surface.
- Do not bend or press the disc. Do not expose the disc to direct sunlight or heating sources.
- Clean the disc surface with a soft, dry cleaning cloth. Wipe the disc surface gently, radially, from centre towards the outer edge.
- Do not apply thinner, alcohol, chemical solvent, or sprays when cleaning. Such cleaning fluids will permanently damage the disc surface.

7. Troubleshooting

Trouble	Action
No sound or incomplete audio	Check if the random equipment are switched on and set correctly. Check cables for connection problems. Check if the correct source is selected. Check volume or mute setting.
No picture	Check if the TV is switched on and set to the correct A/V input. Check cables for connection problems.
No power	Check if the power cord has been properly connected to the power outlet.
Malfunction	Should the appliance develop a serious malfunction, unplug the appliance for 30 minutes. After this, power on the appliance and restore to factory default.

DVD/CD

Trouble	Action
No playback	There is no disc inserted. Load a disc in the appliance. Disc is loaded upside down. Place the disc with the label facing upward. Rating level of the disc is higher than the rating level setting of the appliance. Invalid region code. Incorrect type of disc. Disc may be damaged or dirty, clean the disc or try another disc. Moisture may have condensed inside the appliance. Remove the disc and leave the appliance powered on for one or two hours.
No sound or incomplete audio	Select another audio track. During SCAN, SLOW MOTION or SINGLE STEP the sound is muted. Check if the disc is in fast forward or fast rewind mode. Press the PLAY/PAUSE button (38).

No scan or skip possible	Some discs are programmed to refuse user action at certain sections. This is no malfunction. Single chapter or track discs do not allow skip function.
Picture distorted or noisy	Disc may be damaged or dirty, clean the disc or try another disc. Check TV system setting (PAL/NTSC). A VCR is connected between the appliance and the random equipment. Connect the appliance to a A/V directly.
Picture not full screen	Clean the disc. Select the screen format from the appliances setup menu. Select screen format in disc start menu.

MP3 playback

Trouble	Action
No sound or incomplete audio	If MP3 data is mixed with other files on CD, the appliance may play the non-MP3 files as noise or without sound or it rejects the disc. Check if the played file is in MP3 format or select another file to play.

USB playback

Trouble	Action
No playback	USB device is not installed or installed incorrectly. Insert USB device into slot. Incompatible USB device used. Playback using any USB device cannot be guaranteed. Please try another USB device.

Remote control (RC)

Trouble	Action
RC does not function	Check the battery installation. Point the RC at the remote control sensor. Stay within 8 metres of the appliance.

8. Technical data

DVD player

Parameter	Value
Voltage	100 ~ 240V _{AC} / 50 ~ 60 Hz
Power consumption	< 20 W
Standby power consumption	< 1 W
USB connection	USB 2.0 compatible
Dimensions (W x H x D)	260 x 222 x 38 mm
Weight	1,17 kg

Disc output

Parameter	Value
Laser type	Semiconductor
Signal/noise ratio	> 90 dB(A)
Wow and flutter	Below the limit of the appliance
Audio dynamic range	> 90 dB
Frequency response CD	4 Hz - 20 kHz
Frequency response DVD	4 Hz - 22 kHz (48 kHz PCM) 4 Hz - 44 kHz (96 kHz PCM)
Television system	PAL/NTSC
Region code	2

Output Terminals

Parameter	Value
Analog audio	2,0 V (RMS)
Digital audio	0,5 Vpp (75 Ω)
Composite video	1,0+/-0,2 Vpp (75 Ω)
S-Video	(Y) 1,0 Vpp (75 Ω) (C) 0,286 Vpp (75 Ω)
Componentvideo	0,78 vpp (75 Ω)
HDMI	1080p (50 Hz / 60 Hz)

Remote control

Parameter	Value
Power consumption	2 x 1,5 V
Battery size	AAA

Supported media formats

Parameter	Value
Disc types	DVD / DVD-R / DVD-RW / CD-R / CD-RW / DIVX / SVCD / VCD / CD-DA
Picture formats	JPEG / Kodak Picture CD
Video formats	MPEG1, MPEG2, MPEG4, WMA, AVI
Audio formats	MPEG1 Layer I, II, III PCM Dolby Digital, MP3

Working environment

Parameter	Value
Operating temperature	0 - 40 °C

9. Disposal of used electrical and electronic equipment



The meaning of the symbol on the material, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this equipment at your applicable collection point for the recycling of electrical and electronic equipments waste. In the European Union and Other European countries which there are separate collection systems for used electrical and electronic product. By ensuring the correct disposal of this product, you will help prevent potentially hazardous to the environment and to human health, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your household waste.

For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

For more information and warranty conditions, please visit: www.akai.eu

Heeft u na het lezen van deze handleiding nog vragen?
Neemt u dan contact op met AKAI Benelux via:

0900-3555333

Avez-vous des questions après avoir lu ce manual?
Contactez AKAI Benelux par téléphone au :

070-355505

www.akai.eu