



In Car Entertainment

DVD-Monitor IVOD-1022

7 607 004 587



**Bedienungs- und Ein-
bauanleitung**

Operating and installation instructions

Notice d'emploi et de montage

Istruzioni d'uso e di installazione

Gebruiksaanwijzing en inbouwhandleiding

Bruks- och monteringsanvisning

Instrucciones de manejo e instalación

Instruções de serviço e de montagem

Betjenings- og monteringsvejledning

Instrukcja obsługi i montażowa

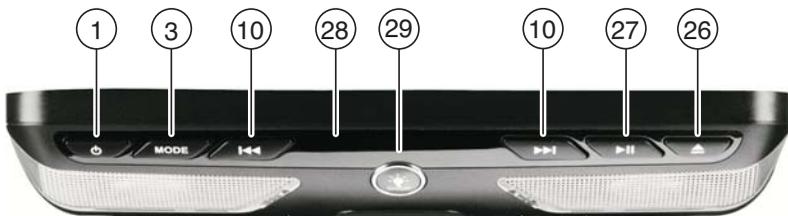
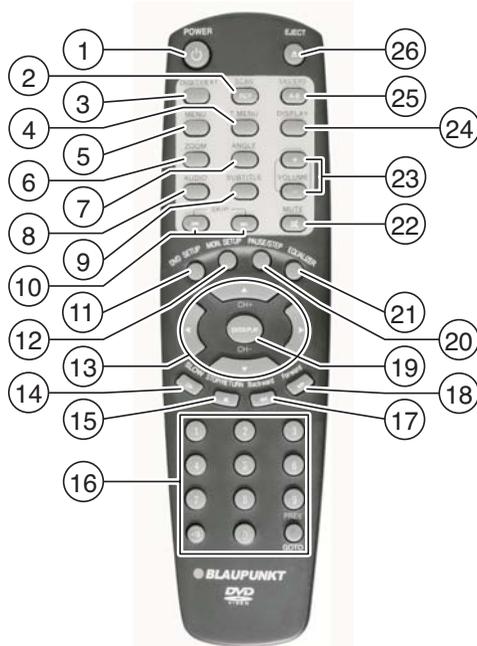
Návod k obsluze a k montáži

**Návod na obsluhu a
inštaláciu**



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 **BLAUPUNKT**



- ① **POWER**, to switch the device on/off.
- ② **REP**, to activate/deactivate the REPEAT function.
SCAN mode is only available in TV mode.
- ③ **DVD/TV/EXT**, to switch between DVD/CD/MP3 operation and external sources AUX1 and AUX2.
- ④ **T.MENU**, for access to the DVD title menu.
- ⑤ **MENU**, for access to the DVD main menu (root).
- ⑥ **ZOOM**, to enlarge an image area during playback.
- ⑦ **ANGLE**, to change the viewing angle.
- ⑧ **AUDIO**, to switch between the audio tracks available on the DVD.
- ⑨ **SUBTITLE**, to switch between the subtitles available on the DVD.
- ⑩ **SKIP** buttons to call up the previous or next chapter (DVD) or track (CD/MP3).
- ⑪ **DVD SETUP**, to call up the setup menu for the basic settings.
- ⑫ **MON.SETUP**, basic settings for the monitor.
- ⑬ **Arrow buttons** for navigation within the menus.
CH+ and **CH-** have no function.
- ⑭ **SLOW**, to start/end the slow motion function.
- ⑮ **STOP/RETURN**, to end playback.
- ⑯ **Number buttons 0-9** and **PREV./GOTO** button, to directly select chapters or sections within chapters.
- ⑰ **BACKWARD**, to switch on fast rewind.
- ⑱ **FORWARD**, to switch on fast forward.
- ⑲ **ENTER/PLAY**, to select and confirm menu entries and start playback.
- ⑳ **PAUSE/STEP**, button to pause playback (freeze frame).
- ㉑ **EQUALIZER**, to select an EQ preset, to define your own EQs and to switch off EQs.
- ㉒ **MUTE**, to cut the sound of the audio playback.
- ㉓ **Volume + -**, to set the volume.
- ㉔ **DISPLAY**, to select between different display modes.
- ㉕ **A-B** button to determine the start and end time of the repeat function. To switch the repeat function on/off.
SAV/ ERS, has no function.
- ㉖ **EJECT** button to eject the CD/DVD.
- ㉗ **▶|** button on the device, **PAUSE/PLAY**.
- ㉘ Infrared receiver for the remote control.
- ㉙ **ON/OFF** light switch
- ㉚ Button to unlock the monitor.

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NOTES

Notes

Thank you for choosing a Blaupunkt product. We hope you enjoy using this new piece of equipment.

Please read these operating instructions before using the equipment for the first time.

The Blaupunkt editors are constantly working on making the operating instructions clearer and easier to understand. However, if you still have any questions on how to operate the device, please contact your dealer or the telephone hotline for your country. You will find the telephone number printed at the back of this booklet.

We provide a manufacturer guarantee for our products bought within the European Union. You can view the guarantee conditions at www.blaupunkt.de or ask for them directly at:

Blaupunkt GmbH
Hotline
Robert-Bosch-Str. 200
D-31139 Hildesheim, Germany

Road safety

 Road safety has absolute priority. Only operate this device if the road and traffic conditions allow you to do so. Familiarise yourself with the device before setting off on your journey.

You should always be able to hear police, fire and ambulance sirens in good time from inside your vehicle. For this reason, listen to your car sound system at a suitable volume level during your journey.

Safety notes

CAUTION:

The DVD player is a class 1 laser product with an invisible laser beam which can produce laser radiation that is hazardous to humans. The DVD drive may only be operated according to the specified instructions. Never open the housing and do not attempt to perform any repairs yourself. Service should always be performed by trained personnel.

Recycling and disposal

Our product has been manufactured from materials that are disposed of in an environmentally-friendly manner and can be professionally recycling. Old products must be collected separately from household rubbish. Please use the return and collection systems available to dispose of the product.



Scope of delivery

The scope of delivery of the IVOD-1022 includes all the parts listed below. Check whether the scope of delivery of your device is complete. Please contact your dealer immediately if one of the listed parts is missing.

- IVOD-1022
- Mounting sheet
- Installation frame
- 6 self-tapping screws 4x40
- 4 thread screws 4x20
- 4 rubber covers
- Connector cable
- Remote control with 2 batteries
- 1 operating instructions



Optional equipment

Infrared headphones

When the IVHS-01 infrared headphones (optional equipment) are in use, the infrared transmitter window (28) must not be covered.

INSTALLATION AND CONNECTION

Installation and connection

Installation and safety notes

Please read the following information carefully before plugging in your IVOD-1022 DVD player.

The negative terminal on the battery must be disconnected while the device is being installed and connected.

Observe the safety notes from the vehicle manufacturer (airbag, alarm systems, on-board computer, immobiliser).

When installing the device, choose a place to which the IVOD-1022 can be securely screwed so that it does not hinder the driver or endanger the vehicle occupants should the vehicle come to an abrupt stop, e.g. in the case of emergency braking.

Do not store the remote control in the inflation range of the airbags, make sure it is stored securely so as not to endanger vehicle occupants in the event of an emergency braking.

Do not install the IVOD-1022 in a place,

- where it distracts the driver or restricts his range of vision.
- where it hinders getting into and getting out of the vehicle.
- so that the function of other vehicle components is impaired (e.g. sunroof).
- where it is subject to direct sunlight.
- near hot air outlets (heating, etc.).
- where it is subject to rain or moisture.
- where it is subject to dust or dirt.
- where it is subject to strong vibrations.

Installation of the monitor

Only use the mounting parts included.

Note the following when selecting a place for installation:

- No safety-relevant parts (fuel tank, cable, etc.) of the vehicle may be damaged by the screws.
- Do not mount the device to the roof interior lining only.
- Use a solid base which is suitable for supporting the woodscrews included.
- Make sure that the device is installed in a secure, solid place and that it cannot come loose in the event of emergency braking.
- Avoid using the monitor over a long period of time while the engine is not running to avoid draining the battery.

Fig. 1



Fig. 2



Fig. 3



Connections

Connect the free ends of the connector cable included to your vehicle's power supply.

- Yellow: Steady plus (+12 V)
- Black: Earth
- Red: ACC +12 V (terminal 15 ignition)
- Green: Interior lighting (+12 V)
- Blue: Interior lighting earth
- Brown: For the door switch (door open = **minus 12 V**)

Fig. 4



Fig. 5



The steady plus cable between the battery and IVOD-1022 must also be fused directly on the battery with a fuse carrier (5 amps).

Connect the connector plug into the jack on the base of the device.

AV OUT:

The audio/video output can be connected to the corresponding inputs on your system.

AV IN:

You can connect external audio/video sources to the audio/video input. For further details, please read the chapter entitled "External sources".

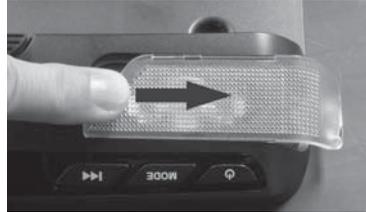
AUX 1:

You can also connect external audio/video sources to the AUX 1 input.



Changing the bulbs

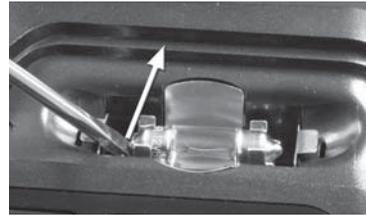
- Remove the plastic cover from the bulb.
- Slide a screwdriver of approximately 3 mm into the sideways slot.
- Turn it carefully to lift this side of the cover.
- Push and slide at the same time to move the cover away.



- Remove the old bulb.

CAUTION:

The bulb may still be very hot. Let it cool down before you touch it.



- Insert a new bulb (12 V, 5 W).
- Slide the cover back on.

Bulb technical data

Diameter: 8 mm
 Length: 28 mm
 Voltage: 12 V, 5 W



Changing the batteries in the remote control

- Slide the lug towards the battery compartment cover and then upwards and away.
- Remove the batteries and insert the new 1.5 V batteries (type AAA) in accordance with the diagram in the battery compartment.



First use

When you operate the IVOD-1022 for the first time, you must insert the batteries in the remote control.

Activating the remote control

Inserting the batteries

1. Open the battery compartment by removing the cover.
2. Insert the new batteries. Battery classification: Two AAA batteries. Make sure that the battery poles are positioned as shown in the battery compartment.
3. Close the battery compartment.

Using the remote control

Point the remote control at the infrared receiver in the front of the device.

Operating angle: Approximately 30° in each direction from the front of the infrared receiver.

Switching on/off

Comment:

The device is ready for operation when button ① lights up on the device.

- To switch on/off, press the **POWER** button ① on the remote control or the **POWER** button ① on the device.

Switching on the IVOD-1022 interior lighting

There are two ways to switch on the lights:

1. **ON/OFF** switch ②9.
2. Vehicle door switch (door open = minus 12 V).

Opening the LCD screen

- Press the release button ③0 of the IVOD-1022 to fold down the LCD screen.
- Lower the LCD screen to watch TV until it is at an angle of approximately 90° to the IVOD-1022 base unit.

Closing the LCD screen

- Slide the LCD screen back into the base unit until it engages again in the release/holding mechanism.

Adjusting the volume

Note:

There are no loudspeakers available on the IVOD-1022.

Please connect infrared headphones or AV OUT NF.

You can adjust the volume in increments from 0 (off) to 16 (maximum).

To increase the volume,

➔ press the **VOLUME +** button (23).

To decrease the volume,

➔ press the **VOLUME -** button (23).

Mute

You can decrease the volume abruptly.

➔ Press the **MUTE** button (22).

"MUTE" is displayed on the screen.

Cancelling mute

➔ Press the **MUTE** button (22) again.

DVD operation

The IVOD-1022 can be used to play DVDs, video CDs (VCD), super video CDs (SVCD), commercial audio CDs and photo CDs (VCD 2.0) and MP3 CDs.

These instructions are for operation with DVDs. The button functions for playing audio CDs are identical.

The IVOD-1022 is intended for the playback of DVDs with the **country code 2**. Should the device be intended for other country codes, this is indicated by a sticker on the last page of these instructions and on the device.

CD-Rs and CD-RWs ("self-burned" CDs) can usually be played. Due to the varying CD quality, however, Blaupunkt cannot guarantee a faultless function.

To ensure proper functioning, use only CDs with the Compact-Disc logo. Copy-protected CDs can cause playback problems. Blaupunkt cannot guarantee the proper functioning of copy-protected CDs.

Self-created media such as VCD/SVCD and DVD-R/RW, DVD+R/RW can usually be played.

Blaupunkt cannot guarantee a faultless compatibility and playback depending on the recordable media **and** software used to create and write these media.

Risk of severe damage to the DVD drive.

Contoured DVDs/CDs (shape CDs) and DVDS/CDs with a diameter of 8 cm must not be used.

We accept no responsibility for any damage to the DVD drive that may occur as a result of the use of unsuitable DVDs/CDs.

DVD OPERATION

Disc formats supported by this player:

- DVD 12 cm
- DVD-R / DVD-RW
- DVD+R / DVD+RW
- DVD DivX 3.11; 4.0; 5.0...x
- Video CD (VCD) super video CD (SVCD) 12 cm
- Photo CD (VCD 2.0) T-menu PBC ON/OFF
- Audio CD (with CD text are not supported), CD-R and CD-RW 12 cm
- MP3 CD with MP3 files for music playback. Only "Joliet" or "ISO 9660" MP3 CD formats are supported.

The following discs are not supported by this player:

- DVD-ROM
- CDV
- CD-G
- DVDs with another region code.

Inserting/removing a DVD/CD

The IVOD-1022 is equipped with a slot-in drive without a loading drawer. The use of slot-in drives is the only way to guarantee a good vibration damping of the drive in the device.

Inserting a CD/DVD

➔ Slide the DVD/CD with the printed side at the back into the DVD/CD slot on the rear of the screen until you feel a slight resistance.

The DVD/CD is drawn into the drive; this process must not be hindered or aided.

The DVD/CD is loaded. Either the DVD menu is displayed or playback starts. This action is dependent upon the inserted DVD.

Removing a DVD/CD

➔ Press the **EJECT** button (26) on the remote control or the **EJECT** button (26) on the device.

The DVD/CD is ejected.

➔ Carefully remove the DVD/CD.

Starting playback

After the desired DVD/CD is loaded, either the DVD menu is displayed or playback starts. This action is dependent upon the inserted DVD.

➔ Press the **ENTER/PLAY** button (19) on the remote control or the **▶||** button (27) on the device.

The DVD starts playing.

Display

Different information about the playing time can be shown on the screen. The display can be hidden.

The following displays are available:

- **TITLE 01/02 CHAPTER 33/45**
01 : 26 : 14:
The first of two main sections (titles) and the 33rd of 45 chapters of this section is played. The elapsed playing time is displayed beneath.
- **TITLE REMAIN**
00 : 31 : 58:
The time remaining of the current title is displayed.
- **CHAPTER ELAPSED**
00 : 01 : 34:
The elapsed playing time of the current chapter is displayed.
- **CHAPTER REMAIN**
00 : 05 : 22:
The remaining playing time of the current chapter is displayed.

Showing/changing the display information

- Press the **DISPLAY** button (24) on the remote control until the desired information is displayed.

The display information is shown at the top edge of the display.

Hiding the display information

Press the **DISPLAY** button (24) until "OFF" is displayed briefly and the screen display is hidden.

Fast forward

You can fast forward the DVD at 2x, 4x, 8x, 16x, 32x and 64x the speed (dependent upon the DVD; some DVDs can only be played up to 16x the speed).

To fast forward or fast reverse the DVD,

- press the **FORWARD B** button on the remote control until the desired speed is displayed.

Stopping fast forward

To stop fast forward,

- press the **ENTER/PLAY** button (19) on the remote control or the **▶||** button (27) on the device.

The DVD is played back at normal speed.

Slow motion

The DVD can be played forward or reversed at reduced speed.

- Press the **SLOW** button (14) on the remote control once or several times to reduce the playing speed.

After pressing the **SLOW** (14) button once, the playback is switched to forwards speed at half the speed (SF 1/2x).

The speed is reduced further each time you press it again (a quarter, a sixth and an eighth). The speed and **SF** for slow forward are displayed on the screen.

Once the speed has reached an eighth, the

film is played backwards in slow motion each time you press the button again. The speed and **SR** for slow rewind are displayed on the screen.

To play the DVD at regular speed again,

- press the **ENTER/PLAY** button (19) on the remote control or the **▶||** button (27) on the device.

Interrupting playback (pause) and starting again

Interrupting playback

- Press the **PAUSE/STEP** button (20) on the remote control or the **▶||** button (27) on the front of the device.

Playback is interrupted.

Continuing playback

- Press the **PAUSE/STEP** button (20) on the remote control or the **▶||** button (27) on the front of the device again.

Freeze frame

- Press the **PAUSE/STEP** button (20) on the remote control or the **▶||** (27) button on the device during playback.

The playback is interrupted and shown as a freeze frame.

Continuing playback

To continue the playback

- press the **ENTER/PLAY** button (19) on the remote control or the **▶||** button (27) on the device.

Skipping a chapter

A title of the DVD can be divided into several smaller chapters.

To jump to the next or another chapter,

- press the **SKIP ▶▶** button (10) on the remote control or on the front of the device once or several times.

The playback jumps to the beginning of the next or the corresponding following chapter.

DVD OPERATION

To jump to the beginning of the current or a previous chapter,

➔ press the **SKIP**  button (10) on the remote control or on the front of the device once or several times.

The playback jumps to the beginning of the current or the corresponding previous chapter.

Note:

If a DVD is played with **DivX**, the **SKIP** buttons  (10) can be used to skip forwards or backwards 3, 5 or 10 minutes. See page 52 for how to set this.

Repeated playback of a DVD title

A DVD is divided into different chapters and titles, which can be selected on an individual basis.

Repeated playback of a chapter or title

To repeat the current chapter,

➔ press the **REP** button (2) on the remote control.

"**CHAPTER REPEAT ON**" is displayed on the screen.

To repeat the current title,

➔ press the **REP** button (2) on the remote control for a second time.

"**TITLE REPEAT ON**" is displayed on the screen.

Cancelling repeat

If you want to cancel the repeat function,

➔ press the **REP** button (2) on the remote control repeatedly until "**REPEAT OFF**" is displayed on the screen.

Direct selection of a chapter

The remote control can also be used to directly select a chapter or a specific position (playing time).

Selecting a chapter

To directly select a chapter,

➔ press the **PREV./GOTO** button (16) on the remote control.

The number of the current title and the total number of titles are displayed next to "TITLE" on the screen. Next to this, you will see the number of the chapter and the total number of available chapters. The chapter number is highlighted yellow.

➔ Use the **number buttons** (16) on the remote control to enter the number of the chapter you require and press the **ENTER/PLAY** button (19).

Playback is continued at the desired position.

Selecting the playing time

You can directly select a specific position on the DVD by entering the playing time of this position.

To jump to a specific position,

➔ press the **PREV./GOTO** button (16) on the remote control **twice**.

The number of the current title and the total number of titles are displayed next to "TITLE" on the screen.

Next to this, you will see "TIME" and the input field for the playing time. The input field is highlighted yellow.

➔ Use the **number buttons** (16) on the remote control to enter the required position in the format "hh.mm.ss" and press the **ENTER/PLAY** button (19).

Playback is continued at the desired position.

Resuming playback at the start of the first title of a DVD

➔ Press the **STOP/RETURN** button (15) on the remote control **twice**.

➔ Press the **ENTER/PLAY** button (19) on the remote control.

Playback resumes at the start of the title.

Note:

For most DVDs, this is the main menu (root) of the DVD.

Displaying subtitles

To display subtitles,

- press the **SUBTITLE** button (9) on the remote control.

The subtitles are displayed. The display information appears. The current language and the number of languages available for subtitles are displayed next to "SUBTITLE".

To change the language of the subtitles,

- press the **SUBTITLE** button (9) once or repeatedly until the subtitles are displayed in the desired language.

Note:

You can also determine in the menu of the DVD whether and in which language subtitles are displayed (see DVD menu). In addition, you can set your preferred language for subtitles in the setup menu. For further details, read the section "Presetting the subtitle language" in the "Setup" chapter.

Selecting the playback language

To select the playback language,

- press the **AUDIO** button (8) on the remote control once or several times.

The playback language is changed. The display information is shown. The current language, the number of the language and the number of available playback languages are shown.

Note:

You can also select the playback language in the menu of the DVD (see DVD menu). In addition, you can set your preferred language for playback in the setup menu. For further details, read the section "Presetting the playback language" in the "Setup" chapter.

Changing the camera perspective

There are DVDs that offer two or more different camera perspectives for a scene.

The number of the current camera perspective and the number of possible camera perspectives is shown in the display information next to the camera symbol.

To change the camera perspective,

- press the **ANGLE** button (7) on the remote control.

The scene is shown from the next camera perspective. The display information is shown.

Note:

You can specify in the setup menu that a camera symbol  is shown if additional camera perspectives are available. For further details, read the section "Displaying the camera perspective" in the "Setup" chapter.

Enlarging an image area (Zoom)

You can enlarge any area of the film which is being played by up to three times.

To enlarge the image area,

- press the **ZOOM** button (6) on the remote control once or several times.

Every time you press the button, the central image area is enlarged incrementally. 1.5x, 2x and 3x zoom levels are available.

Note:

After setting the desired zoom, you can freely move the image area with the **arrow buttons** (13) on the remote control.

Zooming out

To continue viewing the movie without zoom,

- press the **ZOOM** button (6) on the remote control repeatedly until "ZOOM OFF" is displayed on the screen.

DVD MENU

DVD menu

The DVD menu is offered by the inserted DVD. If you insert a DVD and playback starts, the DVD menu automatically appears on the screen.

Note:

The selection options offered by the DVD menu are dependent upon the respective DVD.

The DVD menu of a DVD can offer the following:

- You can select from different languages for the playback or the subtitles.
- In addition to the actual film, you can also view the trailer that was used in the cinema or on television to promote the film or view the "Making of ..." for the film.
- A film is divided into several sequential chapters. You can select a chapter and start the playback directly in the chapter without first having to "fast forward" to the corresponding position like you have to with a video cassette.

Displaying the DVD menu

You can end the playback at any time and display the menu of the DVD.

➔ Press the **MENU** button (5) on the remote control.

Selecting menu entries

DVDs generally provide menus in which you can select among different options, such as "Start film", "Chapter selection", etc.

To switch between the individual menu entries,

➔ press one of the **arrow buttons** (13) on the remote control.

To confirm a menu entry,

➔ press the **ENTER/PLAY** button (19) on the remote control.

Exiting the DVD menu

When you make a corresponding selection in the DVD menu, e.g. the playback of the movie, you automatically leave the DVD menu and the playback starts.

Displaying the title menu

You can also call the title menu directly to conveniently select the individual titles/chapters:

➔ Press the **T.MENU** button (4) on the remote control.

The title menu appears.

Monitor setup

Operation

- ➔ Press the **MON. SETUP** button (12) on the remote control to call up the MONITOR SETUP menu.
- ➔ Use the **arrow buttons** ▲/▼ (13) to select the **options**.
- ➔ Use the **arrow buttons** ◀/▶ (13) to change the **settings**.
- ➔ Press the **MON. SETUP** button again to exit (12).

Options	Settings
PICTURE	USER NORMAL CINEMA SPORTS
BRIGHTNESS	0-50
CONTRAST	0-50
COLOR	0-50
TINT	0-50
SHARPNESS	0-50
ZOOM	NORMAL WIDE 1 WIDE 2
DISPLAY	DOWN UP
SYSTEM RESET	▶
SEL: ◆	ADJ: ◀▶

- **TINT**
Set the picture tint (only for NTSC)
- **SHARPNESS**
Set the sharpness of the picture
- **ZOOM**
Change the picture height/width
 - NORMAL
 - WIDE 1
 - WIDE 1
- **DISPLAY**
Change the picture display
 - UP - DOWN
 - Flip vertically
- **SYSTEM RESET**
Reset to the parameters preset at the factory.

Monitor setup menu

- **PICTURE**
Make picture settings under USER: BRIGHTNESS, CONTRAST, COLOR, TINT (only with NTSC) and SHARPNESS can be set from 0-50. The settings are fixed for NORMAL, CINEMA and SPORTS.
- **BRIGHTNESS**
Set the brightness
- **CONTRAST**
Set the contrast
- **COLOR**
Set the colour intensity

External sources

You can connect two external sources to the IVOD-1022. For example, a television tuner via the **AUDIO/VIDEO-IN** jacks and a games console via the **AUX -IN** jacks.

The internal AUDIO/VIDEO signals can be output via the AV-Out jacks.

Note:

To prevent damage to the devices when connecting external sources, make sure that the colour of the cables/jacks correspond on the external sources and the IVOD-1022.

Jacks

VIDEO IN (yellow)

AUDIO IN (red/white)

- Red cinch = right-hand channel
- White cinch = left-hand channel

To switch between playback from the internal DVD drive and the external sources,

- press the **DVD/TV/EXT** button (3) on the remote control repeatedly until the desired source is displayed.

CD/DVD/MP3 operation

As well as DVDs and video CDs, you can also play audio CDs, photo CDs (VCD 2.0) and MP3 CDs.

Audio CD

If you insert and play an **audio CD**, you can use the functions, such as play, search, pause and repeat, in the same way as in DVD mode.

Photo CD/DVD

If you insert a **photo CD**, the slide show will begin after approximately 3 seconds.

- Press the **STOP/RETURN** button (15) to bring up the "(MP3 . JPG) SMART NAVI" menu.

Use the **arrow buttons** (13) on the remote control to switch easily between tracks and folders in the smart navi menu.

- Once you have made your selection press the **ENTER/PLAY** button (19) on the remote control.

Photo CDs VCD 2.0

- When "Press play to continue" appears, press the **▶||** button (27) on the device.
- Press the **T.MENU** button (4) on the remote control, > "PBC on" appears.
- Press the **▶||** button (27) on the device, > the start page which you have set appears.
- Press the **▶||** button (27) on the device, > the slide show starts.

MP3 CD

MP3 CDs must be in the "Joliet" or "ISO 9660" format.

When you insert an MP3 CD, the "(MP3 . JPG) SMART NAVI" navigation menu appears on the screen.

Once you have pressed the **STOP/RE-TURN button** (15), you can use the **arrow buttons** (13) on the remote control to switch easily between the tracks and folders.

➔ Once you have made your selection press the **ENTER/PLAY button** (19) on the remote control.

Note:

The other functions – play, search, pause and repeat (as described for DVD mode) – can also be used in MP3 mode.

Equalizer

The IVOD-1022 features an integrated 7-band equaliser which allows you to optimise the music sound to your vehicle or to the music style. There are seven fixed sound presets and a variable personal sound setting.

Fixed sound presets:

- classic
- jazz
- rock
- pops
- ballad
- dance
- standard

Variable sound setting:

- personal

Selecting fixed sound presets

➔ Press the **EQUALIZER button** (21) on the remote control.

The current setting or the last used setting is displayed.

➔ Press the **ENTER/PLAY button** (19) on the remote control repeatedly until the desired setting is displayed.

➔ The setting is saved and closed with the **ENTER/PLAY button** (19) or automatically after 3 seconds.

Selecting variable sound settings (personal equalizer)

The personal sound settings allow you to adjust the music playback to your personal taste.

EQUALIZER

Notes on adjusting the settings

We recommend you use a CD that you are familiar with for making changes to the settings.

- Listen to the CD.
- What kind of impression does the sound make?
- Adjust the values for the equaliser – see the "Tips for adjusting the equaliser" table.

Setting the "personal" equaliser

To set the personal equaliser,

- press the **EQUALIZER** button (21) on the remote control.

The current setting or the last used setting is displayed.

- Press the **ENTER/PLAY** button (19) on the remote control repeatedly until "**personal**" is displayed.
- Use the **arrow buttons** ◀/▶ (13) on the remote control to move the selection marker (yellow) to the frequency that you wish to change.
- Use the **arrow buttons** ▲/▼ (13) on the remote control to move the frequency up or down to the desired value.

Note:

Playback is adjusted to the setting while you are making the settings.

The equaliser display is hidden a few seconds after the last setting is made, but the equaliser remains active until you switch it off.

Switching off the equaliser

To deactivate the equaliser,

- press the **EQUALIZER** button (21) on the remote control.

"EQUALIZER OFF" is briefly displayed on the screen.

Tips for adjusting the equaliser

Initially set the mid range/treble and then the bass.

Sound impression/problem

Action

Bass sound is too weak	Increase bass to frequency: 60 to 150 Hz gain: +4 to +6
Dirty bass Booming sound Unpleasant pressure	Reduce the lower mid range to frequency: 150 to 400 Hz gain: Approx. -4
Sound very much in the foreground, aggressive, no stereo effect.	Reduce the lower mid range to frequency: 1,000 to 2,000 Hz gain: -4 to -6
Dull sound Little clarity No brilliance to the instruments	Boost the treble range to frequency: 6,000 to 15,000 Hz gain: +2 to +4

DVD SETUP BASIC SETTINGS

DVD setup

The setup of the IVOD-1022 offers a variety of options to customise the device.

Calling up the setup menu

To call up the setup menu,

- press the **DVD SETUP** button (11) on the remote control.

Performing settings in the setup menu

Settings in the setup menu are basically made as described under "Selecting the language for the screen display".

Note:

The settings under "PREFERENCES" can only be made when no DVD has been inserted.

Selecting the language for the screen display

- Call up the setup menu.
- Use the **arrow buttons** ▲/▼ (13) to select the "GENERAL SETUP" menu entry.
- Confirm with the **ENTER/PLAY** button (19).
- Use the **arrow buttons** ▲/▼ (13) to select the "OSD LANG" menu entry.
- Press the **arrow button** ► (13).

The available languages for the screen display are shown.

- Use the **arrow buttons** ▲/▼ (13) to select the menu entry for the desired language.
- Confirm with the **ENTER/PLAY** button (19).
- Exit the setup with the **DVD SETUP** button (11).

The setting is stored and you exit the setup menu.

Selecting the playback language

The playback language is set under the "AUDIO" menu entry in the "PREFERENCES" menu.

Selecting the language of subtitles

Subtitles are set under the "SUBTITLE" menu entry in the "PREFERENCES" menu.

Selecting the language for the DVD menu

The language for the DVD menu is set under the "DISC MENU" menu item in the "PREFERENCES" menu.

Selecting the monitor setting

The monitor is set under the "TV DISPLAY" menu entry in the "PREFERENCES" menu.

The following monitor settings are available:

- **Normal/PS:** The DVD player is connected to a 4:3 monitor. The wide image is displayed on the screen at full width with black bars at the top and bottom edge of the screen.
- **Normal/LB:** The DVD player is connected to a 4:3 monitor. The wide image is displayed using the full height of the screen. The left and right edge of the wide image is automatically cut off.
- **WIDE:** The DVD player is connected to a 16:9 monitor. The wide image is displayed on the screen at full size.

DivX

3, 5 or 10 minutes is set under "SOFT CHAP. ON" menu entry in the "PREFERENCES" menu.

Parental control

You can secure the device against unauthorised use by assigning a password. In addition, you can specify a rating level. **Rating level means that some DVDs are equipped with a code that defines the age-appropriate release.** If you set a rating level that is lower than the one found on the inserted DVD, it can be played only after entering the password.

Note:

Not all DVDs support the Rating Level function.

In the menu you can define which movies can be played. These ratings follow the recommendations of the Motion Picture Association of America (MPAA).

The following options can be selected:

- 1 G:** Approved for children
- 2:** Approved for children
- 3 PG:** Accompanying adult during playback is suggested.
- 4 PG 13:** Accompanying adult is suggested, not suitable for children under the age of 13.
- 5:** There is no rating for the content of the DVD.
- 6 PG-R:** Prohibited for children and adolescents, content portrays violence, obscene language, etc.
- 7 NC 17:** Contents not suitable for adolescents under the age of 17.
- 8 ADULT:** Contents for adults only: violence, sex, etc.
- No PARENTAL:** No parental control.

Note:

Some blocked DVDs can be released directly at the start with YES (ENTER) and the password. Others require you to change the rating level in the setup before the playback of the DVD. This action is dependent upon the DVD.

Defining the parental control

To set parental control,

- call up the setup menu.
- Use the **arrow buttons ▲/▼** (13) to select the "PREFERENCES" menu entry.
- Confirm with the **ENTER/PLAY** button (19).

The menu for the preferences is displayed.

- Use the **arrow buttons ▲/▼** (13) to select the "PARENTAL" menu entry.
- Press the **arrow button ►** (13).

The available age-appropriate releases are displayed.

- Use the **arrow buttons ▲/▼** (13) to select the desired age-appropriate release.
- Confirm with the **ENTER/PLAY** button (19).
- Enter the password with the **number buttons 0-9** (16) on the remote control.

Note:

If you have not yet assigned a password, the preset password is **0000**.

- Confirm with the **ENTER/PLAY** button (19).
- Exit the setup with the **DVD SETUP** button (11).

The setting is stored, you exit the setup menu.

DVD SETUP BASIC SETTINGS

Changing the password

To change the password,

- call up the setup menu.
- Use the **arrow buttons ▲/▼** (13) to select the "PREFERENCES" menu entry.
- Confirm with the **ENTER/PLAY** button (19).

The menu for the preferences is displayed.

- Use the **arrow buttons ▲/▼** (13) to select the "PASSWORD" menu entry.
- Press the **arrow button ►** (13).
- Confirm "CHANGE" with the **ENTER/PLAY** button (19).
- If you have not yet assigned a password, enter the **new** password next to "NEW PASSWORD" with the **number buttons 0-9** (16).
- If you have already assigned a password, first enter the **old** password next to "OLD PASSWORD" with the **number buttons 0-9** (16).

Note:

If you have not yet assigned a password, the preset password is **0000**.

- Enter the new password twice with the **number buttons 0-9** (16).
- Confirm with the **ENTER/PLAY** button (19).
- Exit the setup with the **DVD SETUP** button (11).

The setting is stored, you exit the setup menu.

Setting the colour television standard of the TV device

For a perfect image quality, set the colour television standard on the DVD player which is used by the attached monitor.

"PAL" is the standard used in Europe, "NTSC" is the standard for the American/Asiatic region.

If you select the "MULTI" setting, the standard of the DVD is used for the output.

The television standard is set under the "TV TYPE" menu item in the "PREFERENCES".

Displaying the camera perspective

You can specify that a camera symbol  is shown if more than one camera perspective is available on the DVD. For this purpose, select the setting "ON".

The camera perspective is set under the "ANGLE MARK" menu item in the "GENERAL SETUP" menu.

AV OUT output

When the device is fitted in the vehicle, the vehicle system (amplifier, monitor) can be connected via the AV-OUT output.

Setting the "Dual Mono"

For DVDs with 1+1 audio mode (two mono channel), you can set how the two channels should be played back.

The following settings are available:

- **Stereo:**
Stereo playback of a 1+1 programme. Channel 1 is played back from the left output, channel 2 from the right output.
- **L - MONO:**
The left channel of the DVD is played back from both outputs (left and right).
- **R - MONO:**
The right channel of the DVD is played back from both outputs (left and right).
- **Mix - MONO:**
Channels 1 and 2 of the DVD are played back from both outputs (left and right).

- Call up the setup menu.
- Use the **arrow buttons** ▲/▼ (13) to select the "AUDIO SETUP" menu entry.
- Confirm with the **ENTER/PLAY** button (19).
- Use the **arrow buttons** ▲/▼ (13) to select the "DUAL MONO" menu entry.
- Press the **arrow button** ► (13).
- Use the **arrow buttons** ▲/▼ (13) to select the desired setting.
- Confirm with the **ENTER/PLAY** button (19).
- Exit the setup menu with the **DVD SETUP** button (11).

The setting is stored, you exit the setup menu.

Setting compression

You can use "COMPRESSION" to set the dynamics of a Dolby programme in increments from "OFF" to "Full". Select the "FULL" setting for full dynamic adjustment.

- Call up the setup menu.
- Use the **arrow buttons** ▲/▼ (13) to select the "AUDIO SETUP" menu entry.
- Confirm with the **ENTER/PLAY** button (19).
- Use the (13) **arrow buttons** ▲/▼ (13) to select the "COMPRESSION" menu entry.
- Press the **button** ► (13).
- Use the **arrow buttons** ▲/▼ (13) to select the desired setting.
- Confirm with the **ENTER/PLAY** button (19).
- Exit the setup with the **DVD SETUP** button (11).

The setting is stored, you exit the setup menu.

Downmix of Dolby Digital DVDs

The IVOD-1022 uses the downmix function to calculate a compatible stereo signal from the Dolby Digital signal.

You will find the downmix setting under "SPEAKER SETUP" in the setup menu.

Activating the screensaver

The IVOD-1022 has a screensaver which prevents images (e.g. menus) being burnt into the liquid crystal display.

If the screensaver is activated, a logo is displayed approximately 60 seconds after the last user action to prevent individual images being burnt into the screen.

You will find the setting for the screen saver under "SCREEN SAVER" in the "GENERAL SETUP" menu.

Resetting the device

You can reset the device, thereby clearing all personal settings.

Note:

This cannot be performed when a DVD is inserted.

- Call up the DVD setup menu.
- Use the **arrow buttons** ▲/▼ (13) to select the "PREFERENCES" menu entry.
- Confirm with the **ENTER/PLAY** button (19).

The menu for the preferences is displayed.

- Use the **arrow buttons** ▲/▼ (13) to select the "DEFAULTS" memory entry.
- Press the ► **button** (13).

The "RESET" menu entry is marked.

- If you really wish to reset the device, press the **ENTER/PLAY** button (19).

The basic factory settings are loaded.

SPECIFICATIONS

Specifications

Screen size:	10.2" monitor
Screen resolution:	800 (H) x 3 (RGB) x 480 (V)
Active area:	222 (H) x 133.2 (V)
Signal system:	Dual system NTSC/PAL
Brightness:	400 cd/m ²
Contrast:	400:1
Viewing angle range:	Left/right: +/-65° Up/down: +50/-65°
Video input level:	1 Vpp 10%
Audio input level:	2.0 Vrms
Carrier frequency infrared sensor:	L-CH: 2.3 MHz R-CH: 2.8 MHz
Operating voltage (DC):	10-18 V
Current consumption: Device "ON"	< 2.2 A (at +12 V)
Current consumption: Device "OFF"	120 mA (at +12 V)
Closed current: "Ignition OFF"	< 1 mA (at +12 V)
Operating temperature:	-20 °C to +70 °C
Storage temperature:	- 40 °C to +85 °C
Dimensions (WxHxD):	252 x 40 x 253 mm
Weight:	≤ 1800 g

Subject to changes!

**Service-Nummern / Service numbers / Numéros du service après-vente /
Numeri del servizio di assistenza / Servicenummers / Telefonnummer
för service / Números de servicio / Números de serviço / Servicenumre,
Numery serwisowe, Servisní čísla, Servisné čísla**

Country:		Phone:	Fax:
Germany	(D)	0180-5000225	05121-49 4002
Austria	(A)	01-610 39 0	01-610 393 91
Belgium	(B)	02-525 5444	02-525 5263
Denmark	(DK)	44 898 360	44-898 644
Finland	(FIN)	09-435 991	09-435 99236
France	(F)	01-4010 7007	01-4010 7320
Great Britain	(GB)	01-89583 8880	01-89583 8394
Greece	(GR)	210 94 27 337	210 94 12 711
Ireland	(IRL)	01-46 66 700	01-46 66 706
Italy	(I)	02-369 6331	02-369 6464
Luxembourg	(L)	40 4078	40 2085
Netherlands	(NL)	0800 400 1010	0800 400 1040
Norway	(N)	66-817 000	66-817 157
Portugal	(P)	2185 00144	2185 00165
Spain	(E)	902 52 77 70	91 410 4078
Sweden	(S)	08-750 18 50	08-750 18 10
Switzerland	(CH)	01-8471644	01-8471650
Czech Rep.	(CZ)	02-6130 0446	02-6130 0514
Hungary	(H)	76 511 803	76 511 809
Poland	(PL)	0800-118922	022-8771260
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