

OK

In Car Video

**IVMR-9002**

7 607 003 586

**IVMR-1042**

7 607 003 587

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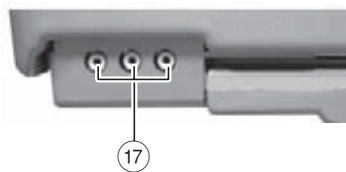
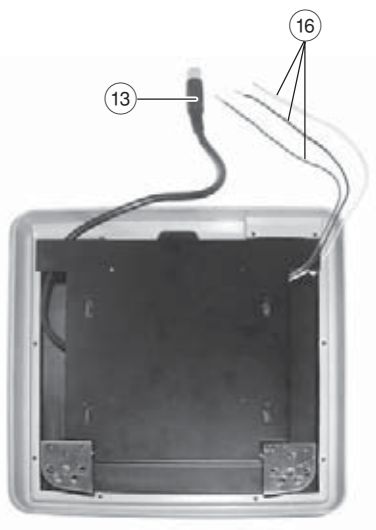
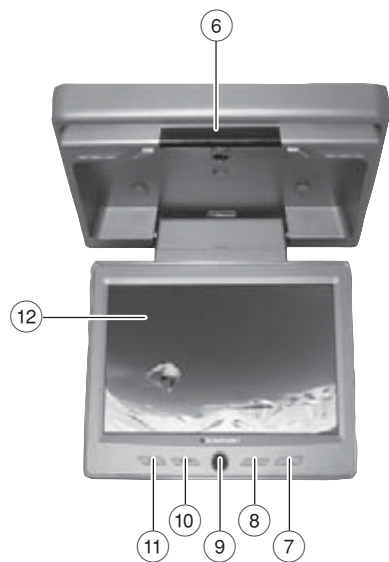
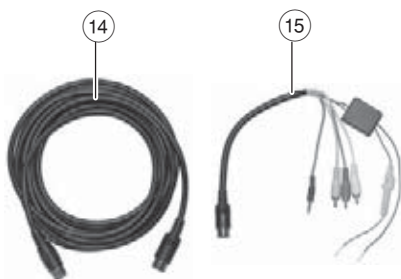
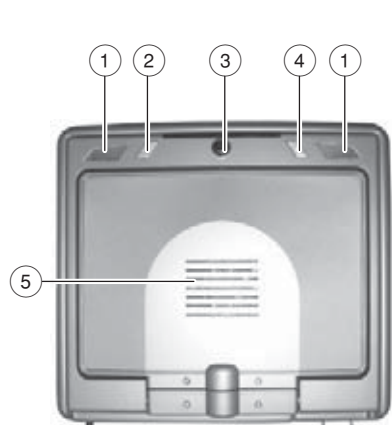
Operating and installation instructions





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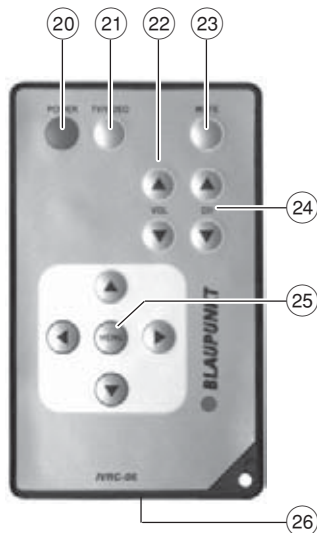
 **BLAUPUNKT**

# DEVICE OVERVIEW




## Ceiling-mounted monitor

- ① Lights on the main unit
  - ② Light switch ON 
  - ③ Monitor latch
  - ④ Vehicle interior lighting switch 
  - ⑤ Loudspeaker
  - ⑥ Infrared receiver for IR remote control IVRC-06  
Infrared transmitter for IR headphones IVHS-01 (accessory)
  - ⑦ Control button ▲  
Increase the monitor volume / navigate in the OSD menu
  - ⑧ Control button ▼  
Decrease the monitor volume / navigate in the OSD menu
  - ⑨ On/off button for the monitor
  - ⑩ Control button **MENU**  
See **Instructions / OSD menu**.
  - ⑪ Control button **CH**  
Channel selection if the monitor is connected to a signal controller IVSC-3302 or IVSC-5502.
  - ⑫ LCD screen
  - ⑬ Signal cable (13 pin)
  - ⑭ System cable (13 pin)
  - ⑮ Adapter cable RCA/jack (13 pin)
- ⑯ Cable for the interior lighting (3 pin)  
Red = Electrical power supply (+12V)  
White = To the door switch (Door open = Earth)  
Black = Earth
  - ⑰ **AUX** sockets  
Red RCA = Audio IN (R)  
White RCA = Audio IN (L)  
Yellow RCA = Video IN



## IR remote control

- ②0 **POWER**  
On/off button for the monitor.
- ②1 **TV/VIDEO**  
Input selector: switch between AV1 and AUX.
- ②2 **VOL • arrow button ▲**  
Increase the volume for the selected monitor.  
**VOL • arrow button ▼**  
Decrease the volume for the selected monitor.
- ②3 **MUTE**  
Mute the volume of the loudspeaker inside the monitor.
- ②4 **CH • arrow button ▲/▼**  
Channel selection if the monitor is connected to a signal controller IVSC-3302 or IVSC-5502.  
Caution:  
The way the CH ▲/▼ buttons function depends on the monitor selection, which is made using the signal controller's remote control.
- ②5 **MENU**  
See **Instructions / OSD menu**.
- ②6 **Battery compartment**

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# NOTES FOR THE USER

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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](http://www.blaupunkt.de) or ask for them directly at:

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

We should like to point out that the right to make a claim under the guarantee could be forfeited if the device is changed or modified in any way without the express authorization of the manufacturer.

Long-term operation or storage outside the specific temperature range can lead to a shortening of the useful life of the LC display.

## Precautionary measures

Please observe all the warning notices, precautionary measures and maintenance tips contained in these operating instructions so as to extend the life of your monitor.

- If you are the driver you must never use the monitor during the journey in order to avoid causing a road accident.
- Do not place the monitor in the following positions:
  1. Positions in which it could restrict the driver's view.
  2. Positions in which it could become a danger to safety (e.g. handbrake, steering wheel, gearshift lever and airbag).
- Only operate the device with the recommended voltage supply of 12 V direct current.
- Do not attempt to open or dismantle the monitor, since you could suffer an electric shock as a result.
- If the monitor's housing is damaged or broken, take it to your local specialist dealer or send it in to our customer service centre.
- Avoid using the monitor in environments where it is subjected to dust, dirt or moisture.
- Do not install the monitor in places where it is subjected to direct sunlight or extreme temperatures.

**Note**

We recommend that you allow a specialist workshop to carry out the installation.

** Safety notices****Please observe the following safety notices during installation and whilst making the connections.**

- Disconnect the negative and positive terminals of the battery.
- When doing so, please observe the safety notices provided by the vehicle manufacturer.
- Before drilling the holes necessary for mounting the equipment and for laying cables, please make sure that concealed cables, the fuel tank and fuel lines cannot be damaged in the process!

**Supplied parts**

The monitor is supplied with all the parts listed below. Please check that the range of parts supplied with your device is complete. If one of the listed parts is missing, please contact your dealer immediately.

- Monitor (including mounting fixture and screws)
- Remote control IVRC-06 with battery
- 5 m long 13-pin system cable (for signal controller IVSC-3302 or IVSC-5502)
- Connection adapter (13-pin RCA/jack)
- Operating instructions

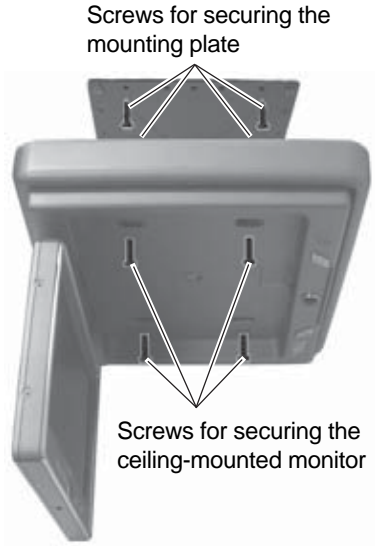
# INSTALLING THE MONITOR

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## Installing the monitor (mechanical)

Select a suitable position for secure installation of the monitor:

- The device must not distract the driver or restrict the driver's view.
- The ability to enter and get out of the vehicle must not be impeded.
- The device must not be installed in such a way that could prevent the other vehicle components from functioning properly (e.g. sliding sunroof).
- Make sure that the device is installed in a safe and secure position and that it cannot become detached in the event of an emergency stop.
- Do not attach the device merely to the roof liner.
- If you need to drill additional holes, make sure you do not drill through the sheet metal of the vehicle's roof.
- Avoid using the monitor over a longer period of time whilst the engine is off in order to prevent the battery from becoming discharged.





# INSTALLING THE MONITOR

## Cables



System cable  
(13 pin)



Adapter cable

Signal cable  
(monitor hous-  
ing) (13 pin)



Cable for the  
interior lighting  
(3 pin)

## Interior lighting connection (3 pin)

- Red = Operating voltage (+12 V)
- White = To the door switch  
(Door open = Earth)
- Black = Earth

To avoid discharging the battery, we recommend you use a switched operating voltage (ignition).

Warning notice: The operating voltage cable must be protected with at least a 1.5 A fuse.

## Monitor connection (13 pin)

Connect the system cable (13 pin) ⑭ to a signal controller (IVSC-3302 or IVSC-5502). (The voltage supply is provided by these devices. Operating instructions are supplied with the devices).



Or

Use the plug-in adapter cable ⑮ to connect to the 12 V supply voltage and an external video/DVD device:

- Red = +12 V direct current
- Black = Earth
- Red RCA = Audio IN (R)
- White RCA = Audio IN (L)
- Yellow RCA = Video IN
- Jack plug  
(blue) = Do not use!  
(Only for special  
devices)

# OPERATION

## Controlling the interior lighting (monitor)

There are two switches for the lights: ON  ② and interior lighting  ④.

ON :

This button is used to switch the lights on/off.

Interior lighting :

If activated, the lights only come on when the vehicle's doors are opened.



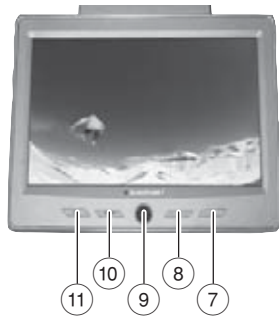
## Opening the monitor

- ⇨ Pull back the monitor release latch ③ to flip down the LCD display.
- ⇨ To watch television, lower the monitor until it is at an angle of approx. 90° to the monitor's base unit.



## Adjusting the position of the monitor

The monitor can be rotated by up to approx. 30° to the right and left from its central viewing position.



## Closing the monitor

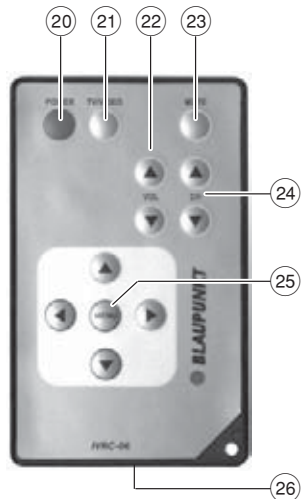
⇒ Turn the monitor back to its central viewing position and push it into its base unit so that it clips back into the releasing/locking mechanism.

## Switching on the monitor

Press the power-on button (9) on the main unit or the button (20) on the remote control to switch the monitor on/off.

### **Note:**

The button (9) lights up blue before the monitor is switched on. This means that the monitor is connected to the 12 V voltage supply.

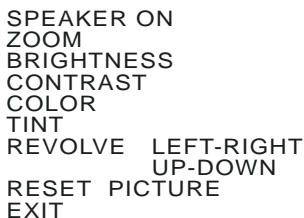


# OPERATION

## OSD menu

### Operation

- ⇒ Press the MENU button (10) on the display or the MENU button (25) on the remote control to open the OSD menu.
- Use the arrow buttons (7) / (8) or (25) ▲/▼ to select the options. After you press the MENU button (10) or (25) you can use the arrow buttons to change the settings.
- ⇒ Select the "EXIT" option to close the OSD menu again.



```
SPEAKER ON
ZOOM
BRIGHTNESS
CONTRAST
COLOR
TINT
REVOLVE LEFT-RIGHT
UP-DOWN
RESET PICTURE
EXIT
```

- **SPEAKER ON**

Switch the internal loudspeaker on/off (same function as the MUTE button (23) on the remote control).

The sound then continues to be outputted over the IR headphones IVHS-01 (accessory).

- **ZOOM (picture size)**  
**only IVMR-9002:**

Change the picture height/width

- FULL
- NORMAL
- WIDE

- **BRIGHTNESS:**

To adjust the brightness

- **CONTRAST:**

To adjust the contrast

- **COLOR:**

To adjust the colour

- **TINT:**

To adjust the picture shade (only for NTSC)

- **REVOLVE:**

To revolve the screen display

- LEFT - RIGHT:

Mirror horizontally

- UP - DOWN:

Mirror vertically

- **RESET PICTURE:**

To reset the configured parameters to the factory default settings.

- **EXIT:**

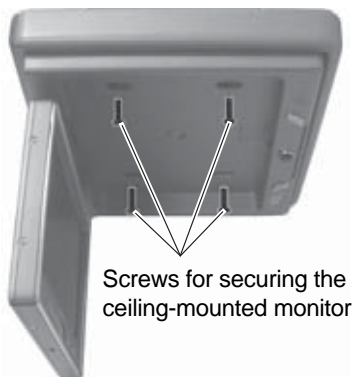
To close the OSD menu

### **IR headphones IVHS-01** **(accessory)**

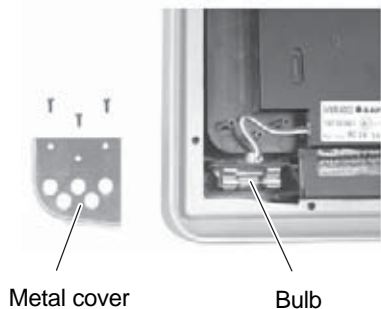
The IR transmitter window (6) must not be covered up when using the IR headphones IVHS-01 (accessory).

## Changing the light bulb

- ⇨ Detach the monitor from the ceiling plate (4 screws).



- ⇨ Remove the 3 screws of the metal cover (see picture below).
- ⇨ Take out the old bulb.
- ⇨ Fit a new bulb (12 V, 3 W).
- ⇨ Refit the monitor.



## Light bulb specifications

Diameter: 8 mm  
 Length: 28 mm  
 Voltage: 12 V, 3 W

## Changing the battery in the remote control

- ⇨ Push the button on the battery compartment (26) to the right (see A below).
- ⇨ Pull the battery compartment (26) out of the remote control (see B below).
- ⇨ Change the 3 V battery (CR 2025).



# SPECIFICATIONS

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## IVMR-9002

Screen size:	9" Monitor
Screen resolution:	1440 (H) x 234 (V)
Active area:	198.0 (H) x 111.74 (V)
Signal system:	Dual system NTSC/PAL
Brightness:	300 cd/m <sup>2</sup>
Contrast ratio:	100
Viewing angle:	Left/right: 65/65 degrees Up/down: 50/65 degrees
Video input level:	1.0 Vpp ± 10 %
Audio input level:	0.3 Vrms
AUX input level:	1.0 Vpp ± 10 %
Carrier frequency for IR sensor:	L-CH: 2.3 MHz R-CH: 2.8 MHz
Operating voltage (direct current):	10-16V
Current consumption:	1 A (at +12V)
Quiescent current consumption:	35 mA (at +12 V)
Operating temperature:	0 - 60 °C
Storage temperature:	- 30°C to +80°C
Dimensions:	286 x 258 x 57.4 mm
Weight:	≤ 2150 g

Subject to changes!

**IVMR-1042**

Screen size:	10.4" Monitor
Screen resolution:	1920 (H) x 480 (V)
Active area:	211.2 (H) x 158.4 (V)
Signal system:	Dual system NTSC/PAL
Brightness:	290 cd/m <sup>2</sup>
Contrast ratio:	100
Viewing angle:	Left/right: 60/60 degrees Up/down: 40/50 degrees
Video input level:	1.0 Vpp ± 10 %
Audio input level:	0.3 Vrms
AUX input level:	1.0 Vpp ± 10 %
Carrier frequency for IR sensor:	L-CH: 2.3 MHz R-CH: 2.8 MHz
Operating voltage (direct current):	10-16V
Current consumption:	1.1 A (at +12 V)
Quiescent current consumption:	70 mA (at +12 V)
Operating temperature:	0 - 60 °C
Storage temperature:	- 30°C to +80°C
Dimensions:	322 x 305 x 63.5 mm
Weight:	≤ 2450 g

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Brasil (Mercosur)	(BR) +55-19 3745 2769	+55-19 3745 2773	
Malaysia (Asia Pacific)	(MAL) +604-6382 474	+604-6413 640	

**Blaupunkt GmbH**

