




BLAUPUNKT AHDC 3.1 Reverse Camera Instruction Manual

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CAUTIONS

Safety Notes

This vehicle security system has been manufactured according to established safety guidelines. However, dangers may still occur if the safety notes in this manual is not observed. This manual is intended to familiarize the user with the reverse camera important functions. Read this carefully, prior to using the reverse camera. Keep this manual in an easily accessible location. In addition, do observe the instructions of the devices used in conjunction with this reverse camera.

Road Safety

- Assign a mounting location that will not obstruct driver in any circumstances. Or cause injuries to drives and passengers in case of emergency brake or accidents.
- Ensure all wires are connected properly, and that the unit is functioning well before fitting the unit into the mount.
- Any unauthorized installation, disassembly or modification may cause malfunction to the unit and void warranty of the unit.
- Always use only the parts that are included with the units only.
- Do not damage vehicle components when drilling holes for the mount.
- Vehicle may differ from the description provided here. Consult an authorized Blaupunkt dealer or vehicle's manufacturer if the information provided here does not fit your specific installation requirement,
- This unit is applicable for front and reverse AHD or CVBS camera use. Consult an authorized Blaupunkt dealer during installation.
- Unit does not record video.
- Avoid automatic car wash or high-pressure water to prevent water and pressure from damaging the camera or causing it to fall off.
- Do not install this unit near heater outlet.

This manual may be updated from time to time without any notice. Visit www.blaupunkt.com for more info.

Disclaimer

In no event shall Blaupunkt be liable for any direct, indirect, punitive, incidental, special consequential damages to property or life and whatsoever arising out of or connected with the use or misuse of our products. USA & CANADA: This product is not intended for sale in the United States and Canada. If purchased in the U.S. or Canada, this product is purchased on as-is basis. No warranty, whether expressed or implied is provided in the

U.S. or Canada.

SPECIFICATIONS

| Features | AHDC-3.1 |
|-------------------------------------|---------------------|
| CMOS Image Sensor | ✓ |
| PAL TV System | ✓ |
| Effective Pixels | 1920 (H) x 1080 (V) |
| 750TVL Image Resolution | ✓ |
| 25 Frame Per Second | ✓ |
| Exposure & Gain Control | ✓ |
| 1/60-1/100000sec Electronic Shutter | ✓ |
| Auto White Balance | ✓ |
| Illumination Min. | 0.1 Lux/F |
| Horizontal View | 120°H |
| Vertical View | 100°V |
| Diagonal View | 150°D |
| DC12V Voltage | ✓ |
| Current | 160mA-180mA |
| DC9-16V Operating Voltage Range | ✓ |
| Operating Temperature | -20—+70 °C |
| Storage Temperature | -30—+75°C |
| Protection Grade | IP68 |
| RCA/4 PIN DIN | ✓ |
| Lens | 4 glasses |

INSTALLATION DIAGRAM

a) Reverse Camera

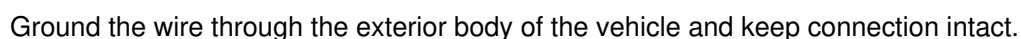








Diagram illustrating the wiring for the front camera:

- Display Monitor/ Car Radio** is connected to the power source (+) and ground (-).
- Black Wire (Ground)** is connected to the ground (-) and the ACC line.
- Red Wire** is connected to the power source (+) and the camera module.
- The camera module has four wires: **White**, **Purple**, **Blue**, and **Red**.
- The **Red** wire from the camera module is connected to the **ACC** line.
- The camera module is connected to the **Front Camera**.

Ground the wire through the exterior body of the vehicle and keep connection intact.

| No. | Function | Criteria | Wire |
|-----|--|---|--|
| 1. | AHD (Default) | Suitable for AHD display supported car player. | Purple  |
| 2. | CVBS | Suitable for CVBS display supported car player. | Purple – Cut  |
| 3. | 720P Resolution(Default) | Suitable for 720P resolution display supported car player. | Blue  |
| 4. | 1080P Resolution | Suitable for 1080P resolution display supported car player. | Blue – Cut  |
| 5. | Parking Line (Default) | Suitable to use as reverse camera. | White  |
| 6. | Flip Viewing Display & Remove Parking Line | Suitable to use as front camera. | White – Cut  |

FRONT/REVERSE CAMERA INSTALLATION

FRONT/REAR VIEW DISPLAY

Default : Reverse Camera Setup









AHD & 720P Reverse Camera Do not cut the wires when using as reverse camera.

Flip View & Remove Parking Line : Front Camera Setup

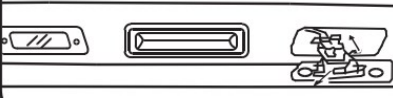
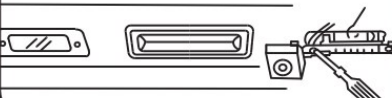

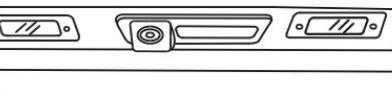


AHD & 720P Front Camera Cut white wire when using as front camera to flip the view & remove parking line.

Reverse & Front Camera Wiring : AHD/ CVBS Mode & 720P/ 1080P Resolution

| AHD Reverse Camera Wiring | AHD Front Camera Wiring |
|--|--|
|  <p>720P Resolution No wires cutting to maintain the default function.</p>  <p>1080P Resolution Cut blue wire to convert from 720P to 1080P.</p> |  <p>720P Resolution Cut white wire to flip view & remove parking line.</p>  <p>1080P Resolution Cut blue wire to convert from 720P to 1080P.</p> |
| CVBS Reverse Camera Wiring | CVBS Front Camera Wiring |
|  <p>C CVBS Mode Cut purple wire to convert from AHD to CVBS.</p> |  <p>CVBS Mode Cut purple wire to convert from AHD to CVBS.</p> |

INSTALLATION LOCATION

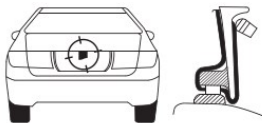
| | | |
|---|--|---|
| <p>TYPE 1</p> <p>Tail Light</p> | <p>1 Remove one side of the reverse light socket from its housing then remove the bulb from its socket.</p>  | <p>2 Connect the reverse light power cable to the camera, screw the housing & camera back into position with a screwdriver.</p>  |
| <p>TYPE 2</p> <p>Hatch Handle</p> | <p>1 Use a screwdriver to remove the original hatch handle</p>  | <p>2 Mount the camera where the original hatch handle used to be</p>  |

TYPE 3

Car Plate

1

Remove the rotating mount before installation. Drill an access hole for the camera cables



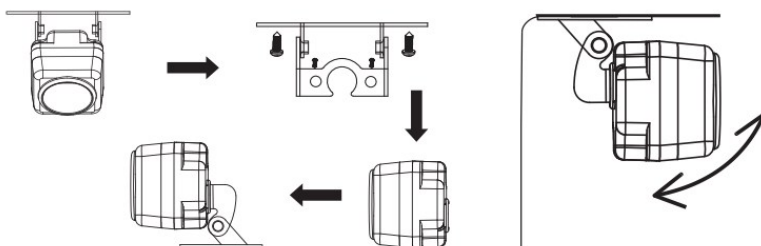
2

Mount the camera onto the access hole & secure it in position with 3M tape/ screws



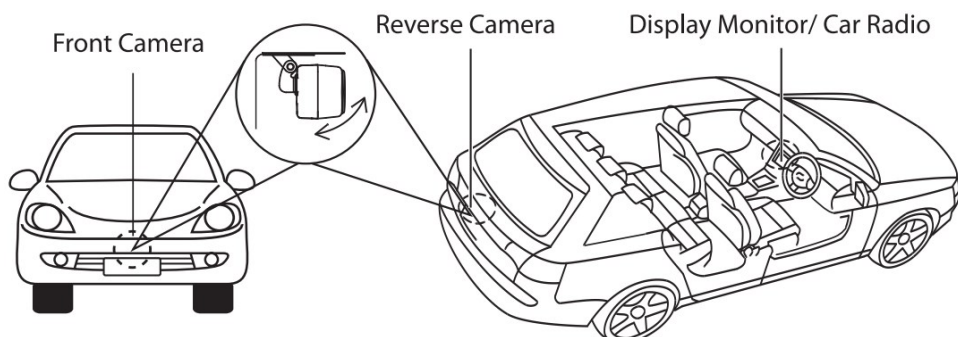
After Installation

Adjust Viewing Angle



Remarks :

1. Pictures are for illustration purpose only, see actual vehicle for accurate installation location.
2. Ensure diameter of hole size is correct before drilling.
3. Ensure drilling process does not harm the component of the vehicle.
4. Assign mounting location that will not obstruct camera view.



Attention

- Remove protective film from camera lens before use.
- Take extra precautions when setting up the connection near petrol tank and wires.
- Connect Red Wire (+) with reverse light.

TROUBLESHOOTING

If any of the following problem occur, please resort to Troubleshooting for the possible solutions. Consult Blaupunkt authorized dealer if problem persist.


| Problem | Solution |
|---|---|
| Display monitor / car radio does not show reverse view when reversing. | Restart the display monitor / car radio. |
| Reverse view does not show even after restarting the display monitor/ car radio. | Examine if the power supplies of the reverse light or the rear car plate light is properly connected. |
| Reverse view does not show even though power supplies of the reverse light or the rear car plate light is properly connected. | Examine if the power supply cables of the reverse light or the rear car plate light is damaged. Repair/replace if the cables are damaged. |



Designed and engineered by blaupunkt competence centre.



Documents / Resources

| | |
|---|---|
|  | <p>BLAUPUNKT AHDC 3.1 Reverse Camera [pdf] Instruction Manual AHDC 3.1 Reverse Camera, AHDC 3.1, Reverse Camera, Camera</p> |
|---|---|