

DIGITAL VIDEO RECORDER  
**BP 9.0A/AG** FHD 2-CHANNEL



*Enjoy it.*

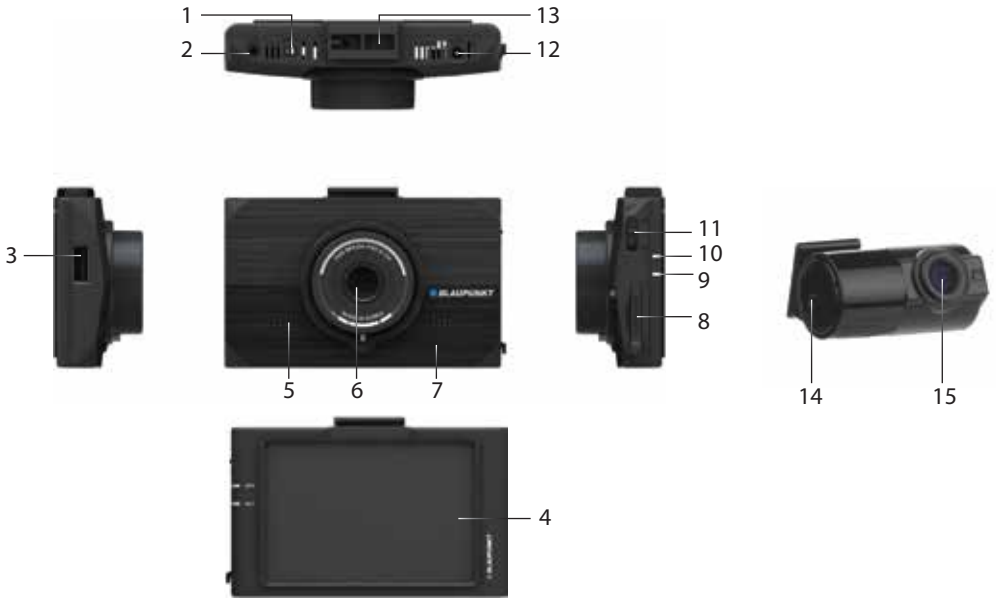
## CAUTIONS

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- Please insert the micro SD card in the right direction to avoid damage to the card or the device. If device shows error message, please format the micro SD card from device menu. Please reset device or change micro SD card if similar error continues.  
Note : All files will be deleted when formatting micro SD card, please backup the important files before format. When reset function is selected, the device will return to default setting.
  - Blaupunkt does not warrant the performance of device if used with other Micro SD card other than Blaupunkt Micro SD card
  - New Micro SD card must be formatted for first use.
  - Ensure bracket is installed correctly & firmly on windscreen to avoid damage to device and for better recording angle.
  - Please do not use product under wet environment as device is not waterproofed/ water resistant.
  - Please do not record or take picture facing sunlight.
  - To obtain clear image, please clean windscreen and device lens regularly. Avoid using device in dusty environment.
  - Handle device with care and avoid direct impact on the device. Avoid using device in high electromagnetic environment.
  - Operating temperature of the device is -20°C ~ 70°C, storage temperature is -30°C ~ 80°C. Continuous exposure to sunlight, especially when locked in cabin where temperature exceeds 80°C may result to device malfunction, colour change, housing and image distortion.
- Disclaimer :**
- In no event shall Blaupunkt be liable for any direct, indirect, punitive, incidental, special consequential damages, to property or life, improper storage, whatsoever arising out of or connected with the use or misuse of our products.
  - USA & CANADA : Products not intended for sales in the United States and Canada. If purchased in the U.S. or Canada, this product is purchased as-is. No warranty, expressed or implied is provided in the U.S. and Canada.
  - This device is NOT intended to be used for illegal purpose, surveillance and shall not be used in any form as evidence for claim purposes.
  - Some countries prohibit drivers from mounting anything on the windshield, or restrict mounting to specific areas of the windshield. It is the owner's responsibility to mount the device in compliance with local laws.
  - Error may occur depending on the surrounding environment and the voltage of the car.
  - Blaupunkt is not liable/responsible for non-recorded event, missing files, etc.
  - If the car battery voltage is lesser than the setting value of cut-off voltage, device will stop recording even at park recording mode.

# STRUCTURE

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- |                                  |                              |                          |
|----------------------------------|------------------------------|--------------------------|
| 1. Rear DVR cable output         | 6. Lens                      | 11. On/Off               |
| 2. GPS tracking cable input      | 7. Microphone                | 12. Power cable input    |
| 3. Wireless control dongle input | 8. Micro SD card slot        | 13. Bracket hole         |
| 4. LCD touch screen              | 9. Recording indicator light | 14. Rear DVR cable input |
| 5. Speaker                       | 10. GPS tracking light       | 15. Rear lens            |

## Features

- Resolution : Front 2MP FHD 1080 30fps, Rear : 2MP FHD 1080 30fps
- Wide viewing angle : Front - 140, Rear - 120°
- Screen display : Front, Rear, PIP
- 3.5" touch screen LCD display
- Preview, download, playback Videos & Settings Configuration via Smartphone Wireless Control App
- Format-free Technology
- Fixed 'High Temperature' & Variable 'Low Car Battery Voltage' Cut-off
- 24-hour automatic park recording
- Motion detection, automatic display shutdown, G-sensor, loop recording
- Support up to 128GB Micro SD, Class 10 & above Micro SD
- Global Positioning Tracker (Available for BP9.0AG only)
- Advanced Driver Assistance System (ADAS) Supported (Available for BP9.0AG only)

# FUNCTION

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## System Setup

Tap the left side of the LCD screen to enter into MENU while recording. Tapping right side of the screen will enter into different Video mode instead of MENU

Mode	Category	Function
Quick Menu	Live	Live Image
	Menu	Setting Menu
	Mute	Voice REC ON/OFF
	VoiceGuide	Speaker ON/OFF
	PlayList	Playback List
	Driving/Parking REC	N (Driving), P (Parking) REC
	OSD	OSD On/Off
	Front LED	LED On/Off
Time	Time Set	Set Time
	Standard Time Set	Set Standard Time
	Summer Time	Set Summer Time
System	Wi-Fi	Wi-Fi On/Off
	Cut Off Voltage	Set voltage for car constant power discharge
	Auto LCD Off	Off after 30sec/on 60sec
	Language	Set Language
	High Temp Cut Off	Set High Temperature Cut Off
	Speaker Volume	Set Speaker Volume
Camera	Camera Set	Adjust Brightness, Contrast, Chroma
REC Set	Night Vision	Set Brightness for Night Time Parking Mode
	Front Video Quality	Set Front Video Quality
	Rear Video Quality	Set Rear Video Quality
	REC Mode	Continuous / Shock
	REC CH	Set REC Channel
	Mic Volume	Set REC Volume
	Motion Level	Set Motion Sensor Level
	Shock Level (N)	Set Shock Sensor Level (Driving)
	Shock Level (P)	Set Shock Sensor Level (Parking)
Others	System Info	Display System Information
	Memory Adjustment	Adjust REC Folder Capacity Rate
	Touch Calibration	Calibrate Touch Screen
	SD Card Format	Format Micro SD Card
	Factory Init	Initialize Configuration
ADAS	Operating Speed	Set ADAS Operating Speed
	Warning	Warning On/Off
	LDWS	Set LDWS Warning during Driving
	FVSA	Set FVSA Warning during Driving

# FUNCTION

## Android Mobile Application

Search "Blaupunkt DVR BP9.0A" on Google Play.

Mobile App device OS version requirements : Android 4.4 (KitKat) or higher.



### Pair DVR with Android Smartphone (DVR Firmware ver 1.1.604 or higher)

The distance range between the DVR (with Wireless Control dongle) and smartphone is approximately 10 meters (33ft) in an open field environment.

1. DVR (Ensure Wireless dongle is installed on the DVR USB port) :
  - a. At video display mode, tap screen to display Main Menu.
  - b. Select MENU to enter into menu page.
  - c. Then select SYSTEM SET.
  - d. Then select Wi-Fi to turn on Wi-Fi.



2. Android smartphone (Ensure Location is turned on before connecting to DVR)  
Enter BP9.0A app from the smartphone, select "START" at Home Page (Figure 1). Smartphone will connect to DVR's Wi-Fi automatically
3. These options will appear after selecting "START" :  
**Live View, VOD View, Download View, Configuration, F/W Update** (Figure 2).



Figure 1



Figure 2

#### IMPORTANT NOTICE :

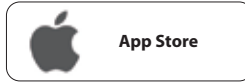
For security purposes, after the Android smartphone is successfully connected to the device. It is advisable to change the WLAN security password. Please refer to page 8 for password and update details

# FUNCTION

## iOS Mobile Application

Search "Blaupunkt DVR BP9.0A" on App Store.

Mobile App device OS version requirements : iOS 10.0.2 or higher.



### Pair DVR and Smartphone (DVR Firmware ver 1.1.604 or higher)

The distance range between the DVR (with Wireless Control dongle) and smartphone is approximately 10 meters (33ft) in an open field environment.

1. DVR (Ensure Wireless dongle is installed on the DVR USB port) :
  - a. At video display mode, tap screen to display Main Menu.
  - b. Select MENU to enter into menu page.
  - c. Then select SYSTEM SET
  - d. Then select Wi-Fi to turn on Wi-Fi



2. iOS smartphone (Ensure Location is turned on before connecting to DVR)  
Go to smartphone Wi-Fi setting to search and connect to DVR Wi-Fi - 'Blaupunkt\_...' and key in '00000000', if device request for password.
3. After successful pairing, enter into mobile app to start. At Main Menu select "START" at Home Page (Figure 1).  
These options will appear : **Live View, VOD View, Download View, Configuration, F/W Update** (Figure 2).



Figure 1

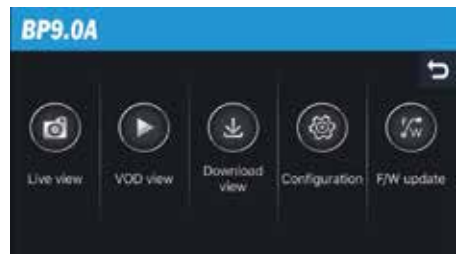


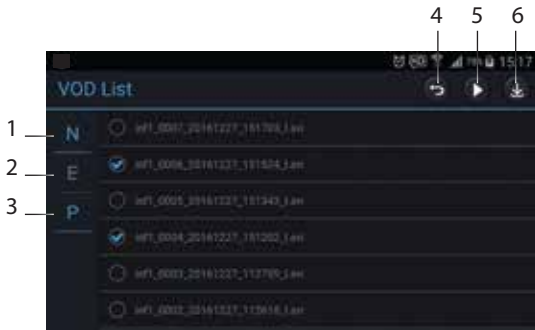
Figure 2

# FUNCTION



## LIVE VIEW (Show real time video)

1. Select to change Front or Rear camera view
2. Select to start or stop recording
3. Select to return to MENU
4. Select to view recorded video



## VOD VIEW (Playback List)

1. Normal Video Playlist
2. Event/Emergency Playlist
3. Park Monitoring Playlist
4. Return to MENU
5. Play recording
6. Download recording



## DOWNLOAD VIEW

1. Normal Video Playlist
2. Event/Emergency Playlist
3. Park Monitoring Playlist
4. Return to MENU
5. Play recording
6. Delete downloaded file

# FUNCTION



## CONFIG SETTINGS

### Basic settings

1. Mode setting
2. Front video quality
3. Rear video quality
4. Motion level
5. Shock level (Park)
6. Shock level (Driving)
7. Speaker volume
8. Mic volume
9. Cut-off voltage
10. High temp shutdown
11. Auto LCD off time
12. OSD (On Screen Display) output
13. Speed display
14. Front LED
15. Recording channel
16. Speed alarm
17. Night vision
18. Language
19. Wi-Fi settings
20. LDWS (Lane Departure Warning System) speed
21. LDWS warning
22. FVSA (Front Vehicle Departure Alert)

### System settings

1. Standard time set
2. DST (Daylight saving time)
3. Camera sensor setting
4. Adjust ratio of memory (**All data will be deleted when ratio setting is adjusted, backup data before changing the setting**)



# FUNCTION



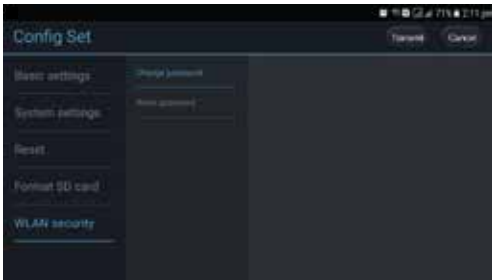
## Reset

All setting will be reset to default setting



## Format SD card

All data will be deleted after formatting



## WLAN security

Change wireless connection password by entering alphabetical or numerical characters. Device will be reset to default setting when resetting the password. Default password : 00000000



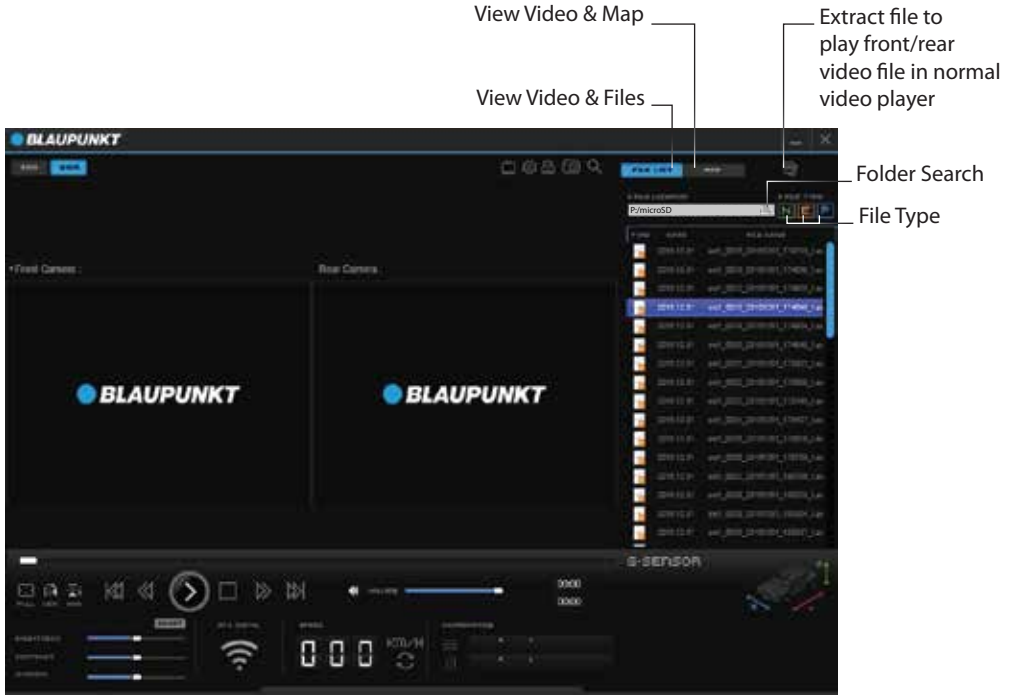
## FIRMWARE UPDATE

Visit [www.blaupunkt.com](http://www.blaupunkt.com) to download updates

# FUNCTION

## Blaupunkt DVR BP9.0A/AG PC Viewer

Visit [www.blaupunkt.com](http://www.blaupunkt.com) to download below viewer.



## Cut-off Voltage Setting

1. Setting on LCD Screen : Menu > System Set > Cut Off Voltage
2. Setting on Wireless Control App : Configuration > Cut-Off Voltage

With the configuration on LCD screen or Wireless Control App, set the voltage level to cut off automatically in order to prevent vehicle battery drainage. The device will stop the discharge of the vehicle battery by blocking power supply to the DVR if the voltage drops below a configured value.

## NOTE :

Older files will be overwritten whenever the card memory is full and new storage space is required. Backup recordings regularly to prevent important files from being overwritten.

## SPECIFICATIONS

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Resolution : Front : 2MP, 140° wide viewing angle, Rear : 2MP, 120° wide viewing angle

Display mode : Front, Rear, PIP

Screen display : 3.5" Touch Screen (320x480)

Mode : Video

G-sensor : Supported

Memory : Support up to 128GB Micro SD, Class 10 & above

Resolutions : Front : 1920x1080 FHD (30fps), Rear : 1920x1080 FHD (30fps)

Loop recording : 120MB/43sec

Video format : AVI

Exposure : -5 ~ +5

24hr Monitoring : Supported

Motion detection : 60MB/21sec

Built-in : G-sensor, microphone, speaker

Display shutdown : Supported

Language : English, Korean, Japanese, Thai

Playback Function : Supported

Power Supply : DC 12V ~ 24V

Operating temperature : -20° ~ 70°

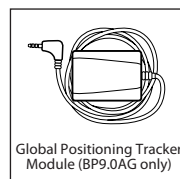
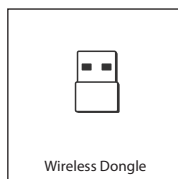
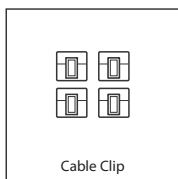
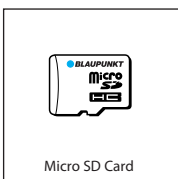
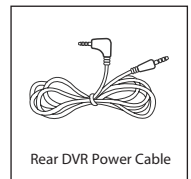
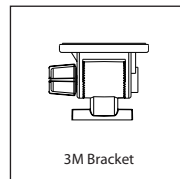
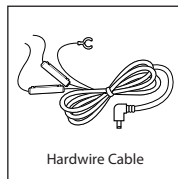
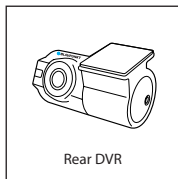
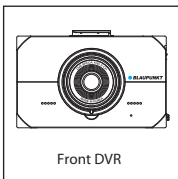
Storage temperature : -30° ~ 80°

Time zone : GMT -11.00 ~ +12.00

Format-free Technology : Supported

## ACCESSORIES

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\*Subject to change

