



CAR MULTIMEDIA **SAN MARINO 510**



Enjoy it.

Operating and Installation Instructions

CAUTIONS

Safety Notes

This car radio 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 car radio's important functions. Read this carefully, prior to using the car radio. Keep this manual in an easily accessible location. In addition, do observe the instructions of the devices used in conjunction with this car radio

Road Safety

Always observe the following notes for road safety:

- Car radio must be used in a way that compliments safety of the user when driving the vehicle. It is recommended for the user to park at an appropriate location when operating the car radio. While driving, user is not recommended to use applications that can be prone to distraction e.g. streaming to medias etc.
- Radios with Navigation : User is recommended to proceed with proposed driving routes only if it does not violate any traffic regulations. Local traffic signs and regulations always prevail over the routes proposed.

User is advised to keep the volume of the car radio to a moderate level for the protection of the ears and to increase the ability to hear any emergency warning signals (e.g. police and ambulance sirens). Do not increase the car radio volume while the car radio is muted as it is not audible. The car radio volume can be too loud when the car radio is unmuted.

General Safety Notes:

Observe the following for protection against injuries:

- This car radio is intended for installation and operation in a vehicle with 12V vehicle system outage, hence the radio unit must be installed in a DIN slot. Observe the output limits of the car radio. Do not dismantle or modify the car radio. Installation and repairs, if necessary, should be performed by a specialist. We are not liable for any loss or damage caused or resulting from unauthorized disassembly or modification to the product.

- This car radio's core components may result to damage when the car is driven on bumpy roads for a prolonged period of time or if it is used to play non-standard or severely damaged discs.
- Please do not operate the car radio under extreme temperature conditions (extremely high temperature or extremely low temperature); make sure that temperature within the car ranges from -20°C to 80°C before you connect the car radio to the power supply.
- For abnormalities, please refer to the "Troubleshooting" section. If the problem cannot be resolved, please press the Reset button to recover its factory settings. Otherwise, please contact respective installer/seller directly for help.
- As SD/USB file formats, codecs, bitrate, resolution and other parameters available in the market are not all the same, there is no guarantee that this car radio can play all media file formats.
- Different cars may have different configurations. It is normal that some CAN-Bus functions cannot be enabled because it is not supported by the user's car or this car radio.
- Solvents, cleaning and scouring agents as well as dashboard spray and plastics care products may contain materials which can damage the surface and screen of the car radio. Use only dry or slightly moistened cloth to clean the car radio surface and screen.

This manual may be updated from time to time without any notice.

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.

CAUTIONS

Disposal Notes



Do not dispose of your old unit in the household trash!
Use the return and collection systems available to dispose of the old device.

Radios with Detachable Panel - Damage to the control panel

- Never drop the control panel.
- Transport the control panel so that it is protected against impacts and the contacts cannot become dirty.
- Do not expose the control panel to direct sunlight or another heat source.
- Avoid direct skin contact

Scope of Delivery

- Car sound system
- Operating / installation instructions
- Remote control (include battery)
- Connecting cable
- Installation keys
- Trim ring
- Mounting bar

KEY FUNCTIONS



1 Microphone

2 RESET

3 Power Button

- Press to turn on
- Press and hold to turn off (when unit is turned on)

4 Increase Volume

5 Decrease Volume

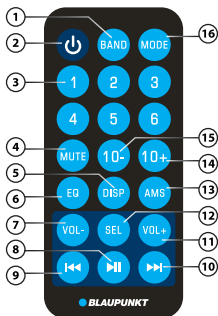
6 MicroSD Card Slot

7 AUX IN

8 USB

9 IR

REMOTE CONTROL



1. Radio mode : Press to select radio band
FM1 - FM2 - FM3 - AM1 - AM2

2. Press to turn on or press and hold to turn off

3. Digit button

4. Mute

5. Playback mode : Press to hide function tab or press and hold to adjust clock setting

6. Equalizer

7. Decrease volume

8. Play/pause

9. • SD/USB mode : Press to skip to previous track/chapter. Press & hold to rewind current track.
• Radio mode : Press to decrease radio frequency manually. Press & hold to decrease radio frequency automatically.

10. • SD/USB mode : Press to skip to next track/chapter. Press & hold to fast forward current track.
• Radio mode : Press to increase radio frequency manually. Press & hold to increase radio frequency automatically.

11. Increase volume

12. Press to select Treble / Bass / Fader / Balance or select options

13. Radio mode : Press and hold for automatic radio stations scan and save

14. Playback mode : Press to skip to the next 10th song or press and hold to skip to the next folder

15. Playback mode : Press to skip to the previous 10th song or press and hold to skip to the previous folder

16. Press to switch between MODE : Radio - USB - CARD - AVIN

OPERATION

HOME PAGE



BLUETOOTH

• Pre-pair Bluetooth

Ensure mobile phone supports Bluetooth function before pairing. Different mobile phone will have different emissive power. To get the best connection, the recommended distance range is 3m without any object obstruction.

• Pairing

- Turn on mobile phone's Bluetooth to set up. (Please refer to the instruction manual of the mobile phone on how to operate Bluetooth) "SAN MARINO 510" should appear on your available Bluetooth scanning list.
- Select "SAN MARINO 510" then insert password "0000", if password is required. Select confirm buttons when pairing prompt message appear. * will appear in white colour in the Home Page when pairing successful

PHONELINK

Android - Support iOS & Android

• Pre-pair PhoneLink

Go to mobile phone's Settings to connect to car radio's Bluetooth (for audio output) and enable USB debugging (Please refer to the instruction manual of mobile phone on how to operate USB debugging and Bluetooth setting).

• Pairing

Connect the unit with smartphone using USB cable. The unit will begin to project smartphone's display when pairing successful. Now you can control the smartphone from either the unit too.

GENERAL

Power supply (12V).....	10.8 ~ 16 V DC
Current consumption.....	max. 15 A
Max. power output.....	4 x 50W
Dimension (WxDxH).....	178 x 165 x 100mm
Weight	0.52kg
Operation temperature.....	-20°C ~ 60°C
Screen size	7 inch
Resolution	800 x 480 pixels
Aspect ratio	4:3 / 16:9

FM Stereo Radio

Frequency range.....	87.5 - 108MHz
Preset memory stations.....	18

AM/MW Radio

Frequency range.....	522 - 1620kHz
Preset memory stations.....	12

Audio Specification

Frequency response	63Hz-16kHz
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Input

CD / DVD / USB 2.0 / microSD	Audio : MP3, WMA, Video : AVI, MP4, Image : JPEG, JPG
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Aux-in	3.5mm jack
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Bluetooth

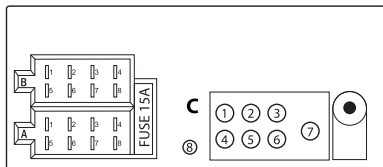
Profile 4.1+EDR.....	HFP, PBAP, A2DP, AVRCP, HSP, SPP
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TROUBLESHOOTING

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

Problems	Possible Causes	Solutions
Unable to start up	The car key is not inserted into the ignition; ignition is off	Insert the car key and turn on the ignition.
	Power Cable is not inserted into the main body.	Insert the power cable.
	Burnt power fuse .	Replace it with a new fuse.
	Drained car battery.	Charge or replace the car battery.
No sound	Audio cables are not properly connected to the unit.	Ensure proper connection of the audio cables.
	Mute setting is on.	Unmute the volume.
	Low volume.	Adjust the volume.
	No sound from front, rear, left & right speakers due to Fade-Balance settings.	Select Equalizer from Home Page to adjust setting.
Dim screen or black-&-white screen while playing video	Brightness, contrast ratio and color values are excessively adjusted.	Ensure brightness, color and contrast ratio values are in normal range.
Slow in SD card reading	The pixel of the picture file exceeds this system's capacity. SD card may contain corrupted files or virus.	Replace it with a new audio/video SD card with compatible file formats.
No rear-view reverse image	The rear camera is not appropriately connected with power supply.	Examine the camera's power supply connectivity.
	Camera's signal line not plugged in.	Insert the camera's signal line into the interface port of this unit.
Unable to search radio stations	Radio's antenna is not well inserted.	Ensure radio antenna is properly installed.

WIRING DIAGRAM



NO.	WIRE	B
1	PURPLE	RR+
2	GREY	FR+
3	WHITE	FL+
4	GREEN	RL+
5	PURPLE/ BLACK	RR-
6	GREY/ BLACK	FR-
7	WHITE/ BLACK	FL-
8	GREEN/ BLACK	RL-

NO.	C	WIRE
1	WHITE	RL-OUT
2	YELLOW	OUT-1
3	YELLOW	AV-IN
4	RED	RR-OUT
5	YELLOW	OUT2
6	YELLOW	RC-IN
7	/	R-ANTENNA
8	/	AA-L/R-IN

NO.	WIRE	A
1	PINK	BRAKING
2	BROWN	KEY
3	BLUE	AUTO ANT
4	RED	ACC+12V

NO.	WIRE	A
5	ORANGE/ BLACK	REAR CAMERA
6	YELLOW	BATTERY +
7	ORANGE	ILL
8	BLACK	GND

