BLAUPUNKT

CAR MULTIMEDIA
SAN JUAN 945T

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
- Connecting cable
- GPS Antenna

KEY FUNCTIONS

Functions

1   Mircophone

2   RESET Button

3   Power Button
- Press and hold turn on or turn off
- Press to mute or unmute

4   Home Page

5   Return

6   Increase Volume

7   Decrease Volume

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 JUAN 945T**" should appear on your available Bluetooth scanning list.

  - Select "**SAN JUAN 945T**" 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**
  iOS : Supported 1 way control
  - Go to mobile phone's Settings to turn on the personal hotspot.
  Android : Supported 2 way control
  - 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.

GENERAL

Power supply (12V) ....10 V ~ 16 V DC
Current consumption .... max. 15 A
Max. power output .... 4 x 50W
Dimension (WxLxH)......................................178 x 47 x 97mm
Weight 0.5kg
Operation temperature .... -20℃ ~ 60℃
Screen size .... 7.0 inch
Resolution .... 1024 x 600 pixel
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

Input
USB 2.0 ....Audio : MP3, FLAC
Video : AVI, MP4
Image : JPG

Aux-in .... RCA

Bluetooth
Profile 4.0............................HFP, PBAP, A2DP, AVRCP, HSP, SPP
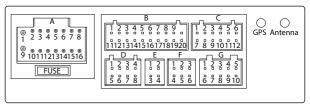
TROUBLESHOOTING

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.
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	A
1	BLACK	GND
2	RED	ACC
3	BROWN	R.CAM
4	PINK/BLACK	KEY1
5	GREY/BLACK	FR-
6	GREY	FR+
7	WHITE/BLACK	FL-
8	WHITE	FL+
9	YELLOW	B+
10	ORANGE	ILL
11	ORANGE/BLACK	KEY2
12	BLUE	ANT. PWR
13	GREEN/BLACK	RL-
14	GREEN	RL+
15	PURPLE	RR+
16	PURPLE/BLACK	RR-

NO.	WIRE	B
1	-	SP_CONT
2	RED	AUD_IN_R
3	WHITE	AUD_IN_L
4	-	LIN
5	-	CAN2_H
6	-	CAN2_L
7	-	CAN1_H
8	-	CAN1_L
9	YELLOW	CVBS_IN_2
10	-	MIC2-/CAN3_H
11	BLACK	GND
12	WHITE	AUD_OUT_L
13	RED	AUD_OUT_R
14	BLACK	GND
15	BLACK	GND
16	BLACK	GND
17	YELLOW	AV_OUT
18	GREEN	SUB
19	YELLOW	CVBS_IN_1
20	-	MIC2+/CAN3_L

NO.	WIRE	C
1	-	MIPI_DN0
2	-	MIPI_DN1
3	-	MIPI_CLKN
4	-	SCL0
5	-	GPS5V_CLT
6	-	+14V
7	-	MIPI_DP0
8	-	MIPI_DP1
9	-	MIPI_CLKP
10	-	SDAO
11	-	MIPIS_RST
12	BLACK	GND

NO.	WIRE	D
1	BLACK	GND
2	-	IPOD_L_IN
3	-	KRST
4	-	RX
5	-	+14.4V
6	-	IPOD_R_IN
7	-	IPOD_DET
8	-	TX

NO.	WIRE	E
1	RED	USB5V
2	BLACK	GND
3	-	Y-TXD
4	GREEN	USB_DP2
5	WHITE	USB_DN2
6	-	Y-RXD

NO.	WIRE	F
1	BLACK	GND
2	-	IPOD_L_IN
3	-	KRST
4	-	RX
5	-	+14.4V
6	-	IPOD_R_IN
7	-	IPOD_DET
8	-	TX

NO.	WIRE	G
1	-	TXD5A
2	-	RXD5A
3	-	IR
4	-	BACK_CAM_PWR
5	PINK	BREAK1
6	BLUE/WHITE	BT_ANT
7	BLACK	GND
8	-	BACK_CVBS
9	BLACK	GND
10	-	WIFI_ANT