

**BLAUPUNKT**

BLAUPUNKT  
Brand  
established  
1924  
GERMANY

# SMART MULTIMEDIA MICHIGAN CITY 800 W



*Enjoy it.*

**Operating and Installation Instructions**



## CAUTIONS

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### 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.
- 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 70°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. Visit [www.blaupunkt.com](http://www.blaupunkt.com) for more info.

## CAUTIONS

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### 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. Blaupunkt is not affiliated with Apple, Google or other Android smartphone devices.

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.

### 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.

### Scope of Delivery

- User Manual
- Trim Ring
- GPS Antenna
- External Microphone
- Connecting Cables

## KEY FUNCTIONS

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### Functions

#### 1. Power Button

- Press to turn on or press and hold to turn off
- Press to mute or unmute

#### 2. Increase Volume

#### 3. Decrease Volume

#### 4. Home Button

#### 5. Voice Command Button (Siri/ Google Voice)

#### 6. Seek Up Button

- Press to turn to next song
- Press and hold to fast forward

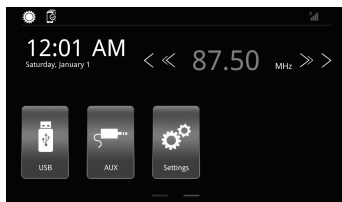
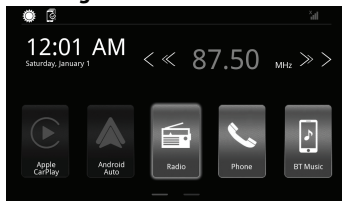
#### 7. Seek Down Button

- Press to turn to previous song
- Press and hold to fast rewind

#### 8. Radio/Band Button

## OPERATION

### Home Page



### Radio

To enter Radio Mode, touch "Radio" icon on the Main Menu.



The detailed functions are described as follows:

1. Seek down
2. Preset Station List
3. Radio frequency
4. Seek up
5. FM/AM Band Switch button
6. EQ Mode button
7. Keypad button
8. Auto Store button
9. Setup button

### Auto Tuning

- Press the seek icon ( **⏮** or **⏭** ) on the TFT Monitor screen to increase / decrease the tuning frequency one step at 0.1MHz increment.
- Press and hold the seek icon ( **⏮** or **⏭** ) on the TFT Monitor screen to seek the available channel by increasing or decreasing the tuning frequency.

### FM and AM

- Touch the "**BAND**" on the screen to change among the following bands: FM-1, FM-2, FM-3 or AM-1 and AM-2.

### Preset Stations

- Six(6) stored stations for the current band appear on the screen, touch the preset directly for use or press the number buttons located on the head unit.

### Storing a Station

1. Select a station. ( Example: FM1 103.6MHz )
2. Touch and Hold the desired preset number for 3 seconds to store Radio station.

### Recalling a Stored Station

1. Select a Band (If needed).
2. Touch the preset button on which the corresponding radio station is stored or press the number button on the Radio panel.

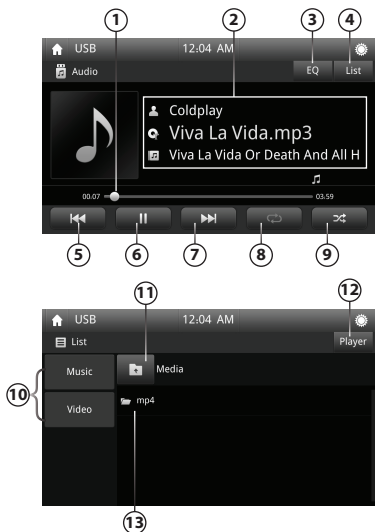
## OPERATION

### USB Media

This operation supports below formats :

Audio : MP3, CDA

Video : MP4, AVI

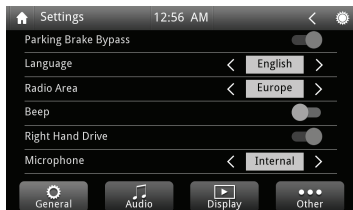
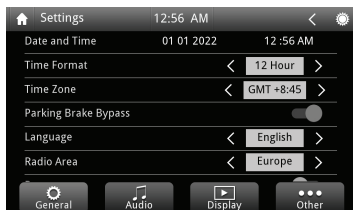


1. Adjust desired track time by dragging the small button on the progress bar line to left or right.
2. Track info.
3. **EQ** : Select to adjust Equalizer setting.
4. **List** : Show the track list .
5. **⏮** : Return to previous track or press & hold to rewind.
6. **▶ / ||** : Play or pause the track.
7. **⏭** : Go to next track or press & hold to fast forward.
8. **🔄** : Repeat a folder or track.
9. **🎲** : Active/deactivate the track in random mode.
10. Music/Video List.
11. **⏪** : Go back to previous folder.
12. **▶** : Touch to play track list.
13. Folder.

### Settings

Setup operation allows you to change setting, such as setting the clock, turning On the Bluetooth function, adjusting the screen brightness, setting the audio, screen calibration, etc.

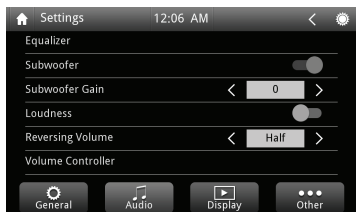
### Settings



Setting	Options	Functions
Date & Time	-	To adjust calendar date & time.
Time Format	12Hr/ 24Hr	Choose clock 12H/24H format.
Beep	On/ Off	Activation/Deactivation of beep sound when touch.
Time Zone	-	Select time zone.
Parking Brake Bypass	On/ Off	Bypass parking brake function.
Language	English/ Traditional Chinese	Two language options.
Radio Area	Europe/ Asia	Choose Radio Area
Right Hand Drive	On/ Off	-
Microphone	Internal/ External	-

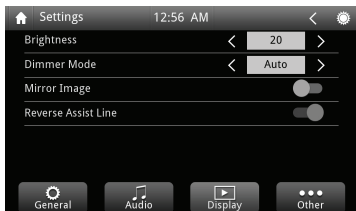
# OPERATION

## Audio Settings



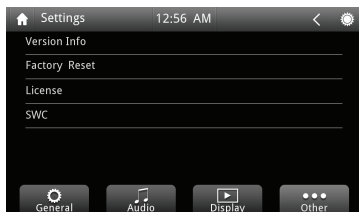
Setting	Options	Functions
Equalizer	-	Balance and EQ setting.
Subwoofer	On/ Off	To activate/deactivate subwoofer.
Subwoofer Gain	-7 to +7	Increase/decrease subwoofer gain.
Loudness	On/ Off	Activate/deactivate the loudness.
Reversing Volume	Half/ Full/ Mute	Decrease music volume when reversing.
Volume Controller	-	To adjust each music mode volume.

## Display Settings



Setting	Options	Functions
Brightness	0 to 20	Select the desired screen brightness.
Dimmer Mode	Auto/ Day/ Night	Lower down the screen brightness at dark condition.
Mirror Image	On/ Off	Mirroring camera input signal.
Reverse Assist Line	On/ Off	Activate reversing line when reversing.

## Other Settings



Setting	Options	Functions
Version	-	Software version of the radio.
Factory Reset	-	Reset radio to factory setting.
SWC	-	To add steering wheel control.
License	-	-

## BT

### Pre-pair BT

- 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.

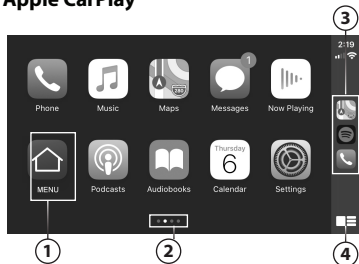
### Pairing

- Turn on mobile phone's Bluetooth to set up. (Please refer to the instruction manual of the mobile phone on how to operate Bluetooth) **"MICHIGAN CITY 800 W"** should appear on your available Bluetooth scanning list.
- Select **"MICHIGAN CITY 800 W"** then insert password "0000", if password is required. Select confirm buttons when pairing prompt message appear. It will appear in white colour in the Home Page when pairing successful.



## OPERATION

### Apple CarPlay



1. Return to Main Menu
2. Page Indicator
3. Recently Used App
4. Home Button/Active Siri

#### Wired Connection

1. Connect an Apple CarPlay™ compatible device to this product via USB data cable.
2. Press the CarPlay™ icon (on Home Page) to connect.

#### Wireless Connection

Before using Apple CarPlay™ wirelessly, turn on the Bluetooth/Wifi function on the Phone.

1. Press CarPlay icon on the main menu;
2. Press "✓" to confirm to use wireless CarPlay;
3. Press "🔍" icon to search phone device. The available devices appear on the list;
4. Find the desired device on the screen and press "Pair";
5. A pass key will be displayed on the screen;
6. The same key appears on the iPhone, press "Pair" and then press "Allow" for the popups;
7. Press "✓" on the screen to confirm to connect;
8. Press "Use CarPlay" on the iPhone. The unit configures the connection then starts the application.
9. Tip: Press "📶" icon. Displays CarPlay device list. This icon appears Only When CarPlay is connected and two or more devices can be used as CarPlay Source.

### How to use Apple CarPlay Requirement

- Lightning Data Cable
- iPhone 5s or later
- iPhone with iOS 7.1 or later
- Data Plan
- May need to set the permissions for the carplay app on your phone, open **Screen Time**-->**Contents**-->**Allowed app**.

#### Phone Setup (Before you begin):

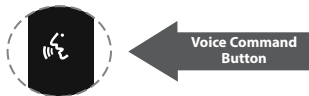
1. Apple CarPlay™ features may operate differently than on your Apple iPhone.
2. Message and data charges may apply when using Apple CarPlay™. Please check with your carrier.
3. Apple CarPlay™ relies on the performance of your phone. If you experience performance issues:
  4. Close all apps and then restart them again.
  5. Disconnect and then reconnect your phone using the Apple Lightning cable that was provided with your phone is recommended.
  6. When Apple CarPlay™ is active, your voice recognition system is disabled and you will be using Siri to make your requests.
- On your phone, go to **Settings > General > Restrictions > CarPlay** to allow CarPlay access.
- On your phone, go to **Settings > General > Siri** and ensure Siri is turned ON.
- On your phone, go to **Settings > General > Carplay** can adjust the position of the icon displayed on the car, with or without. The option with "X" can be deleted, and the search can be done by clicking the "+" sign below.

#### NOTE:

- For details about Apple CarPlay™, refer to the manual supplied with your iPhone, or visit the website of Apple CarPlay.

## OPERATION

### Siri



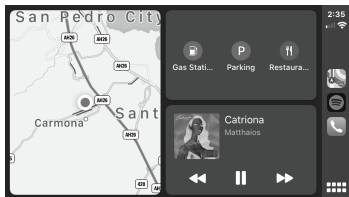
Apple CarPlay™ uses Siri to perform many actions like sending messages, placing calls, and looking up/setting POI/Destinations. A Siri session can be initiated on any screen by:

- Touching and holding the Home icon on the CarPlay screen or
- Pressing the Voice Command Button on panel or Steering Wheel, then say any of the following commands:
  - “Text <Name> ‘Call you later’” to send a text message.
  - “Read text messages” to read available text message.
  - “Call <Name>” to make a phone call.
  - “Find <POI/Destination>” to locate a POI/Destination.



### NOTE:

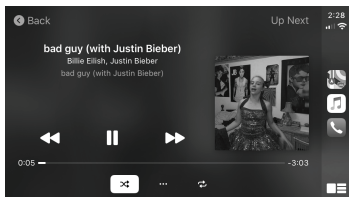
Ensure Siri feature is set to ON in your phone (Go to Settings > General > Siri).



### Apple Maps

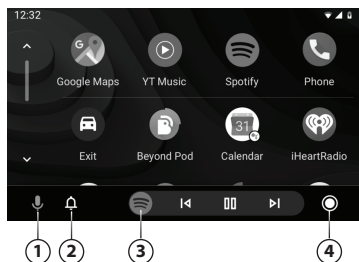
- Navigate your way by using Apple Maps or any other third party navigation app (e.g., Waze).
- Navigation app will display your destination and route options.

### Apple Music



## OPERATION

### Android Auto



1. Activate Google Assistant™
2. Notification Button
3. Recently Used App
4. Android Auto Home Button

### Wired Connection

1. Connect an Android Auto™ compatible device to this product via USB data cable.
2. Press the Android Auto™ icon (on Home Page) to connect.

### Wireless Connection

Before using Android Auto™ wirelessly, turn on the Bluetooth/Wifi function on the Phone.

1. Press Android Auto icon on the main menu;
2. Press “✓” to confirm to use wireless Android Auto;
3. Press “Q” icon to search phone device. The available devices appear on the list;
4. Find the desired device on the screen and press "Pair";
5. A pass key will be displayed on the screen;
6. The same key appears on the Android device, press "Pair" and then press "Allow" for the popups;
7. Press “✓” on the screen to confirm to connect;
8. The unit configures the connection then starts the application.
9. Tip: Press “📶” icon. Displays Android Auto device list. This icon appears Only When Android Auto is connected and two or more devices can be used as Android Auto Source.

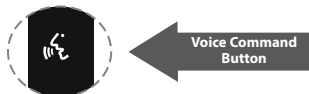
### How to use Android Auto Requirement

- USB Data Cable
- Compatible Android™ phone with OS Android 5.0 or higher
- Data Plan
- Android Auto App download from Google Play store
- Android Auto must be available in your country or region.

### Phone Setup (Before you begin):

1. Android Auto™ features may operate differently than on your Android phone.
2. Message and data charges may apply when using Android Auto™. Please check with your carrier.
3. Android Auto relies on the performance of your phone. If you experience performance issues:
4. Close all apps and then restart them again or disconnect and then reconnect your phone
5. Using the USB cable that was provided with your phone is recommended.
6. When Android Auto is active, your in-vehicle voice recognition system is disabled and you will be using Google voice actions to make your requests.

### Google Assistant



Android Auto uses Google voice actions for many functions. A Google voice action session can be initiated on any screen by:

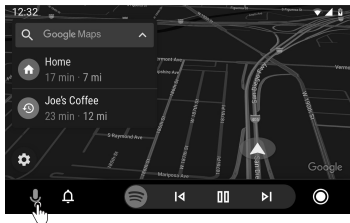
- Touching the Microphone icon on any screen.
- Pressing the Voice Command Button on panel or Steering Wheel.

## OPERATION

### Such as making a Call :

Touch the Phone icon to access recent call list. Or you can initiate a voice action and then say "Call <Name>" or "Dial <number>" to make phone calls from any screen.

### Navigation



### Getting Directions

Press the Voice Command button then state your destination (e.g., Ok Google, navigate home.) or POI to activate a Google Search.

### General

Power supply (12V).....	10.5 V ~ 16 V DC
Standby current .....	≤ 5mA
Operating current .....	<12A
Max. power output .....	4 x 47W
Dimension (WxLxH) .....	133x205x104mm
Weight .....	1.1kg
Operation temperature.....	-20°C ~ 60°C
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.....	531 - 1629kHz
Preset memory stations .....	12

### Audio Specification

Frequency response.....	50Hz-15kHz
Parametric Equalizer.....	8-Band

### Input

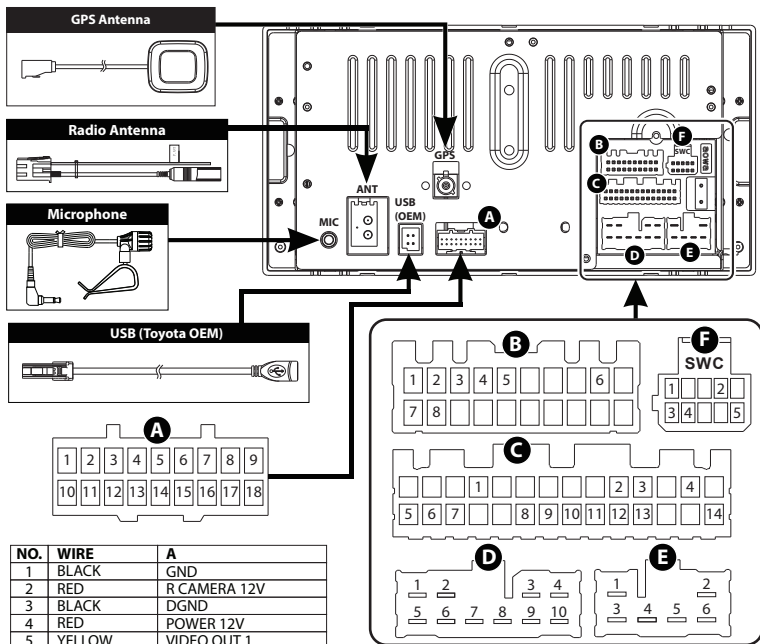
USB .....	Audio : MP3, CDA Video : AVI, MP4
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Aux-in..... RCA

### BT

Hands-Free Calling : Accept/ Hang Up/	
Reject Call .....	HFP
Phone Book Access.....	PBAP
Audio Streaming.....	A2DP
Streaming Audio Control.....	AVRCP
Support for Bluetooth Headset.....	HSP
Serial Port Profile.....	SPP

# WIRING DIAGRAM



NO.	WIRE	A
1	BLACK	GND
2	RED	R CAMERA 12V
3	BLACK	DGND
4	RED	POWER 12V
5	YELLOW	VIDEO OUT 1
6	BLACK	DGND
7	YELLOW	R CAMERA IN
8	WHITE/BLACK	UART TX
9	WHITE	UART RX
10	WHITE	LINE OUT FRONT L
11	RED	LINE OUT FRONT R
12	WHITE	LINE OUT REAR L
13	RED	LINE OUT REAR R
14	BLUE	LINE OUT SUB WOOFER
15	WHITE	R AV IN L
16	BLACK	DGND
17	RED	R AV IN R
18	YELLOW	R VIDEO IN

NO.	B
1	CAM6V
2	CAM CVBS+
3	WHEEL KEY 1
4	WHEEL KEY 2
5	GND
6	REVERSE
7	CAM GND
8	CAM CVBS-

NO.	C
1	DGND
2	MIC+
3	MIC 5V
4	REVERSE
5	AUX IN L
6	AUX GND
7	AUX IN R
8	DGND
9	WHEEL KEY 2
10	WHEEL KEY 1
11	CAM6V
12	MIC-
13	DGND
14	PARKING

NO.	D
1	B+
2	ACC
3	FL+
4	FR+
5	ILLUMI
6	KEY GND
7	P-ANT-CON
8	GND
9	FL-
10	FR-

NO.	E
1	RL+
2	RR+
3	RL-
4	KEY1
5	KEY2
6	RR-

NO.	WIRE	F
1	BLUE/WHITE	WHEEL KEY1
2	GREEN/BLACK	REVERSE
3	ORANGE/BLACK	WHEEL KEY2
4	BLACK	GND
5	PINK	PARKING

## TROUBLESHOOTING

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

<b>Problems</b>	<b>Possible Causes</b>	<b>Solutions</b>
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.
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's antenna is not well inserted.	Ensure radio antenna is properly installed.
Unable connect to wireless AA/CP	Bluetooth is not turned on.	Ensure Bluetooth is turned on, then press on AA/ CP icon to connect.
Unable connect to wired AA/CP	When connected wireless AA/CP turn to wired AA/CP, mobile phone's WiFi is enable, your paired device is in the wireless device list (Michigan City 800 W).	When connected wireless AA/CP turn to wired AA/CP, ensure the mobile phone's WiFi is turned off & remove the paired wireless device from the wireless device list (Michigan City 800 W), then connect the USB data cable.



