♪ Radio | CD | MP3 | WMA | USB

Miami 100
Miami 100 USB

Operating and installation instructions

8 622 450 117

● BLAUPUNKT

## Safety notes

The car sound system was manufactured according to the state of the art and established safety guidelines. Even so, dangers may occur if you do not observe the safety notes in these instructions.

These instructions contain important information to easily and safely install and operate the car sound system.

• Read these instructions carefully and completely before using the car sound system.
• Keep the instructions at a location so that they are always accessible to all users.
• Always pass on the car sound system to third parties together with these instructions.

In addition, observe the instructions of the devices used in conjunction with this car sound system.

### Road safety

Observe the following notes about road safety:

• **For the front AUX-IN socket, use only the angled jack plug** from Blaupunkt (7 607 001 535). All protruding parts, incl. straight plugs or adapters, can lead to an increased injury risk in case of an accident.
• **Use your device in such a way that you can always safely control your vehicle.** In case of doubt, stop at a suitable location and operate your device while the vehicle is standing.
• **Always listen at a moderate volume** to protect your hearing and to be able to hear acoustic warning signals (e.g. police sirens).

### General safety notes

Observe the following notes to protect yourself against injuries:

• **Do not modify or open the device.** The device contains a Class 1 laser that can cause injuries to your eyes.

### Use as directed

This car sound system is intended for installation and operation in a vehicle with 12 V vehicle system voltage and must be installed in a DIN slot. Observe the performance limits in the technical data. Repairs and installation, if necessary, should be performed by a specialist.

### Installation instructions

You may only install the car sound system yourself if you are experienced in installing car sound systems and are very familiar with the electrical system of the vehicle. For this purpose, observe the installation instructions overleaf.

### Declaration of conformity

The Blaupunkt AudioVision GmbH declares that the car sound system Miami 100 complies with the basic requirements and the other relevant regulations of the directive 89/336/EEC.

## Cleaning notes

Solvents, cleaning and scouring agents as well as dashboard spray and plastics care product may contain ingredients that will damage the surface of the car sound system. Use only a dry or slightly moistened cloth for cleaning the car sound system.

## 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

The scope of delivery includes:
1 Car sound system
1 Operating/installation instructions
1 Support frame
1 Set of small parts
2 Disassembly tools
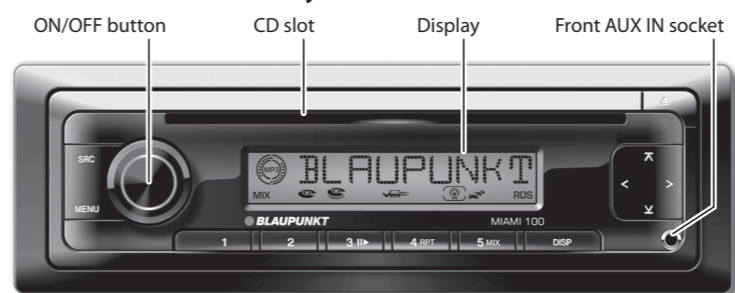
**For Miami 100 USB only:**
1 USB connecting cable

**Extended scope of delivery (not included in Europe devices):**
1 Connecting cable chamber A (power supply)
1 Connecting cable chamber B (loudspeaker)
1 Connecting cable chamber C1 (Line-Out)
1 Antenna connection adapter

Note:
We recommend the use of original Blaupunkt accessories (www.blaupunkt.com).

## Front view of the car sound system

ON/OFF button      CD slot      Display      Front AUX IN socket

## Features

### RDS tuner

This car sound system is equipped with an RDS tuner that supports features such as display of station names, alternative frequencies, REG (regional programmes), and priority for traffic announcements.[1]

### Audio media

This car sound system can play audio CDs (CDDA) as well as MP3 and WMA files from CD-R, CD-RW and USB sticks[2].

### External audio sources

You can connect external audio sources such as MP3 players or portable CD players to this car sound system via the front AUX IN socket.

### Code protection

You can protect the car sound system against theft by activating the four-digit code query (see section "Code protection" overleaf).

### Telephone Mute

If a telephone is connected to this car sound system (mute signal of the telephone to chamber A, pin 2 on the rear of the unit; see section "Installation instructions" overleaf), the system is muted automatically when the telephone receives a call. For the period of the call, "TELEPHONE" is displayed.

### PTY emergency announcements

If this car sound system receives a PTY 31 emergency announcement, the announcement is switched through automatically regardless of the current audio source. When an emergency announcement is switched through, "ALARM" is displayed.

[1] RDS features are only available in FM waveband. They are not supported in some countries.
[2] Miami 100 USB only.

## Notes concerning MP3/WMA files and data carriers

Note the following information when preparing an MP3/WMA data carrier:

• Naming of tracks and directories:
  – Max. 16 characters (CD) or 24 characters (USB[1]) incl. the file extension ".mp3" or ".wma" (if more characters are used, the number of tracks and folders that are recognisable by the car sound system is reduced)
  – No special characters
• CD formats: Audio CD (CDDA), CD-R/RW, Ø: 12 cm
• CD data formats: ISO 9669 Level 1 and 2, Joliet
• CD burn speed: Max. 16x (recommended)
• USB devices[1]: USB sticks only (no USB hard disks)
• USB format/file system[1]: Mass storage device/FAT16, FAT32
• File extension of audio files:
  – .MP3 for MP3 files
  – .WMA for WMA files
• WMA files only without Digital Rights Management (DRM) and created with Windows Media Player version 8 or later
• MP3 ID3 tags: Version 1 and 2
• Bit rate for creating audio files:
  – MP3: 32 to 320 kbps
  – WMA: 32 to 192 kbps
• Max. number of tracks (USB[1]): 27,000

[1] Miami 100 USB only.

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## General functions

| Function | Action |
|---|---|
| Switch device on. | • Press the ON/OFF button briefly. |
| Switch device off. | • Press the ON/OFF button for more than 1 second. |
| Adjust the volume (levels **0** – **50**) | • Turn the ON/OFF button.<br>**Note**<br>Volume change is not possible during menu settings. Turning the ON/OFF button is used to set values. |
| Mute the device or return to the previous volume level. | • Press the ON/OFF button briefly.<br>When the device is muted, "MUTE" is displayed. |
| Select audio source **FM1**/**FM2**[1]/**FMT**[1]/**MW**[1]/**LW**[1]/**AM**[1]/**AMT**[1]/**CD**[2]/**USB**[2]/**FRONT AUX**[2]. | • Press the **SRC** button once or repeatedly. |
| Select display brightness for day or night.[3] | • Press the **DISP** button for more than 1 second. |
| Cancel a traffic announcement.[4] | • Press station button **2** briefly. |
| Insert CD. | **Risk of severe damage to the CD drive!** Noncircular contoured CDs (shape CDs) and CDs with a diameter of 8 cm (mini CDs) must not be used.<br>**Note**<br>You must not hinder or assist the drive as it automatically draws in the CD.<br>• Gently insert the CD with its printed side uppermost into the drive until you feel some resistance and the CD is drawn in automatically. |
| Remove CD. | • Press the ⏏ button.<br>**Note**<br>If a CD is ejected and not removed, the drive will automatically draw it back in again after approx. 10 seconds. |
| Connect external audio source. | **Danger! Increased risk of injury from connector.** In case of an accident, the protruding connector in the front AUX-IN socket may cause injuries. The use of straight plugs or adapters leads to an increased risk of injury. For this reason, we recommend using angled jack plugs.<br>• Insert the jack plug of the external device into the front AUX IN socket. |
| Connect/disconnect USB stick.[5]<br>**Note**<br>The supplied USB cable must be connected to the USB socket on the rear of the unit (see section "Installation" overleaf). | • Switch of the car sound system so that the data carrier will be correctly registered and unregistered.<br>• Connect the USB stick to the USB cable or pull the USB stick off. |

## Functions in radio mode

| Function | Action |
|---|---|
| Change frequency stepwise. | • Press the **</>** button briefly. |
| Change frequency continuously. | • Press and hold down the **</>** button.<br>**Note**<br>When you release the **</>** button the next available station is searched for automatically. You may stop station seek tuning at the current frequency by briefly pressing the **>** button. |
| Start automatic station seek tuning. | • Press the **∧/∨** button briefly. |
| Stop automatic station seek tuning at current frequency. | • Press the **>** button briefly. |
| Store station on the current memory bank. | • Press a station button **1 – 5** for more than 1 second. |
| Store stations automatically on memory bank FMT or AMT[1]. | • Select the FM or AM[1] waveband.<br>• Press the **SRC** button for more than 1 second. |
| Play stored station of the current memory bank. | • Press a station button **1 – 5** briefly. |
| Scan receivable stations.[2] | • Press the **MENU** button for more than 1 second. |
| Cancel scanning at current station. | • Press the **MENU** button briefly. |
| Scan stored stations of the current memory bank.[2] | • Press the **∧/∨** button for more than 1 second. |
| Cancel scanning at current station. | • Press the **</>** button briefly. |
| Select display mode (display of frequency or, if available, station name). | • Press the **DISP** button briefly. |

## Functions in CD mode (CDDA/MP3/WMA) and USB mode[1] (MP3/WMA)

| Function | Action |
|---|---|
| Select previous/next track. | • Press the **</>** button briefly. |
| Select previous/next folder[2]. | • Press the **∧/∨** button briefly. |
| Fast scroll through folders[2]. | • Press and hold down the **∧/∨** button. |
| Fast search backwards/forwards. | • Press and hold down the **</>** button. |
| Pause or resume playback. | • Press the **3 ▶** button. |
| Select Repeat option:<br>Repeat current track:  'RPT TRACK'<br>Repeat current folder[2]:  'RPT DIR'<br>Resume normal playback:  'RPT OFF' | • Press the **4 RPT** button once or repeatedly. |
| Select Mix option:<br>Mix all tracks on CD:  'MIX ALL'<br>Mix current folder[2]:  'MIX DIR'<br>Resume normal playback:  'MIX OFF' | • Press the **5 MIX** button once or repeatedly. |
| Scan all tracks on CD.[3] | • Press the **MENU** button for more than 1 second. |
| Cancel scanning at current track. | • Press the **MENU** button. |
| Select display mode:<br>CDDA:  CD text (if available)<br>    Track number and total time<br>    Track number and elapsed time<br>MP3/WMA:  Song name (if available)<br>    File name<br>    Elapsed time<br>    Artist (if available)<br>    Album (if available) | • Press the **DISP** button once or repeatedly. |

[1] Only if the memory bank is switched on (BAND submenu in the TUNER SET menu, see section "Menu settings" overleaf). MW, LW, AM or AMT are only available in respective tuner regions.
[2] Only if CD is inserted or USB stick is connected (Miami 100 USB only) or external audio source is connected.
[3] Only if automatic dimming is switched off (DIM setting in the VARIOUS menu, see section "Menu settings" overleaf).
[4] Only if priority for traffic announcement is switched on (TRAF setting in the TUNER SET menu, see section "Menu settings" overleaf).
[5] Only Miami 100 USB.

[1] Only in tuner regions USA and S AMERICA.
[2] Each station is played for 10 seconds.

[1] Miami 100 USB only.
[2] MP3/WMA only.
[3] Each track is played for 10 seconds.

## Menu settings

### Menu navigation

- Press the **MENU** button to enter or exit the menu.
- Press the ⋏/⋎ button to select a menu item of the current menu.
- Press the **>** button to enter the next menu level.
- Press the **<** button to return to the previous menu level.

**Note**
The menu is automatically exited approx. 16 seconds after the last button activation.
Changed settings are stored automatically.

### Making settings

If the current menu level shows a value that can be set, this value is flashing in the display.

- Turn the ON/OFF button to set the value.

**Note**
Changed settings are stored automatically.
In the table below bold characters (e.g.: **ON/OFF**) indicate available settings. Underlined characters (e.g.: **HI6**) indicate factory settings.

| 1st Menu Level | 2nd Menu Level | 3rd Menu Level | Settings/Remarks |
|---|---|---|---|
| TUNER SET | TRAF **ON/OFF** | – | Switching on or off the priority of traffic announcements.[1]  If switched on the display shows the traffic jam symbol (⟳) and traffic announcements are automatically switched through regardless of the current audio source (not available in MW, LW and AM wavebands). During a traffic announcement, "TRAFFIC" is displayed. |
| | BAND | FM2 **ON/OFF** | Switching on and off the availability of a memory bank. If a memory bank is switched on, you can select it in normal radio operation by pressing the SRC button. If all banks are switched off, only the FM1 memory bank is available. |
| | | FMT **ON/OFF** | |
| | | MW **ON/OFF** [2] | |
| | | LW **ON/OFF** [2] | |
| | | AM **ON/OFF** [2] | |
| | | AMT **ON/OFF** [2] | |
| | REG **ON/OFF** | – | Switching on or off RDS feature Regional.[1] |
| | SENS **LO1...HI6** | – | Setting the sensitivity of station seek tuning:  LO1 (lowest) – HI6 (highest). |
| | RDS **ON/OFF** | – | Switching on or off RDS features.[1] |
| AUDIO | BASS **–7...0...+7** | – | Setting the bass or treble level. |
| | TREBLE **–7...0...+7** | – | |
| | BAL **L9...0...R9** | – | Setting balance or fader. |
| | FADER **R9...0...F9** | – | |
| | X-BASS **0/1** | – | Setting the X-Bass level (0 = off). |
| | PRESETS | **POP/ROCK/ CLASSIC/P-EQ OFF** | Selecting the equalizer preset type or turning off the equalizer (setting P-EQ OFF). |
| DISPLAY | DIM **AUTO/MAN** | – | Switching on or off automatic dimming of display (on: AUTO; off: MAN).[3] |
| VOLUME | ON VOLUME | **LAST VOL** | Exiting the 3rd menu level when LAST VOL is shown sets the volume at power-on to the volume set last before switching off.[4] |
| | | ONVOL **1...20...50** | Setting the volume level at power-on.  Exiting the 3rd menu level when ONVOL is shown sets the volume at power-on to the current ONVOL setting. |
| | TAVOL **1...20...50** | – | Setting the volume level of traffic announcements. |
| | BEEP **ON/OFF** | – | Switching on or off the signal tone. |
| CLOCK | PERCLK **ON/OFF** | – | Switching on or off the permanent display of time.  If switched on, time is displayed automatically approx. 16 seconds after last button activation. Any button activation will return you to the display of the current audio source. |
| | H MODE **12/24** | – | Selecting the 12 or 24-hour time. |
| | SET **HH:MM** | – | Setting the clock.  • To switch between hours (HH) and minutes (MM) or vice versa press the **>** or **<** button. |
| VARIOUS | DEMO **ON/OFF** | – | Switching on or off the demo mode. |
| | VERSION | P... | Display of processor version number (no setting). |
| | | E... | Display of hardware version number (no setting). |
| | | A... | Display of software version number (no setting). |
| | TUN AREA | **EUROPE/USA/ THAILAND/ S AMERICA** | Selecting the tuner area, the device should be operated in. When the display shows the desired tuner area:  • Press the **>** button. In the display "PRESS UP TO CONFIRM" is shown.  • Press the ⋏ button to confirm. |
| | NORMSET | PRESS UP TO CONFIRM | Restoring factory settings.  • Press the ⋏ button to confirm. |
| | CODE SET | CODE **XXXX** | Switching on or off code protection and changing the code number (see section "Code protection"). |

[1] This service is not supported in some countries.
[2] Only available in respective tuner region (EUROPE: MW, LW; USA and S AMERICA: AM, AMT; THAILAND: AM).
[3] Driving light signal of the car must be connected to chamber A, pin 6 on the rear of the unit (see section "Installation instructions ").
[4] The power-on volume is limited to the value 25 for the setting LAST VOL.

## Code protection

This car sound system is protected against theft with a four-digit code number (default code number: 0000).
If the code query is activated, the code number must be entered after every interruption of the power supply from the vehicle battery. Without this code number, the device is useless to a thief.
The code query is activated by default, but you can deactivate it.

### Activating/deactivating the code query and changing the code number

To be able to activate/deactivate the code query or to change the code number, you must also enter the four-digit code number.
Proceed as follows:
- Enter the CODE SET sub menu in the VARIOUS menu (see section "MENU settings").
"CODE XXXX" is displayed, "XXXX" is flashing. For each digit of the code number:
- Turn the ON/OFF button to set the current digit.
- Press the **>** button to confirm.

**Note**
When entering the code, you may return to a previous digit by pressing the **<** button.
After setting and confirming the forth digit, the current setting "CODE ON" or "CODE OFF" is displayed.

**Note**
If you enter an incorrect code number, "ERR CODE" is briefly displayed. Then "XXXX" is displayed again and you can repeat the entry.
In order to activate or deactivate the code query:
- Turn the ON/OFF button.
In order to change the code number:
- Press the ⋎ button.
"NEW XXXX" is displayed, "XXXX" is flashing. For each digit of the new code number:
- Turn the ON/OFF button to set the current digit.
- Press the **>** button to confirm.

**Note**
When entering the code, you may return to a previous digit by pressing the **<** button.
After setting and confirming the forth digit, "PRESS UP TO CONFIRM" is displayed.
- Press the ⋏ button to confirm the new code number.
You return to the VARIOUS menu, menu item "CODE SET" is selected.

### Entering the code number after a voltage interruption

If the code query is activated, the four-digit code number must be re-entered every time the device is disconnected from the vehicle system voltage (e.g. removal of the battery for repairs).
If the code number is required, the display first shows "CODE", followed by "XXXX", and you can enter the code.

**Note**
If the code query is deactivated, "CODE OFF" is briefly displayed.

For each digit of the code number:
- Turn the ON/OFF button to set the current digit.
- Press the **>** button to confirm.

**Note**
When entering the code, you may return to a previous digit by pressing the **<** button.
After setting and confirming the forth digit, the display of the current audio source is shown.

**Note**
If you enter an incorrect code number, "ERR CODE" is briefly displayed. Then "XXXX" is displayed again and you can retry the entry.

### Technical data

**Voltage supply**
Operating voltage: 10.5 - 14.4 V

**Current consumption**
In operation: 10 A
10 sec. after switch-off: < 3.5 mA

**Amplifier**
Output power: 4 x 18 watts sine at 14.4 V at 4 ohms.
4 x 45 watts max. power

**Tuner**
Wavebands in Europe/Thailand: FM: 87.5 - 108 MHz
AM (MW): 531 - 1,602 kHz
LW (Europe only): 153 - 279 kHz
Wavebands in the US: FM: 87.7 - 107.9 MHz
AM (MW): 530 - 1,710 kHz
Wavebands in South America: FM: 87.5 - 107.9 MHz
AM (MW): 530 - 1,710 kHz
FM frequency response: 30 - 15,000 Hz

**CD**
Frequency response: 20 - 20,000 Hz

**Pre-amp out**
4 channels: 2 V

**Input sensitivity**
Front-AUX-IN: 300 mV / 6 kΩ

**Dimensions and weight**
W x H x D (mm): 178 x 51.5 x 150
Weight: approx. 1.30 kg

Subject to changes

## Installation instructions



**Safety instructions**
When carrying out installation work and making connections please observe the following safety instructions:
- Disconnect the negative terminal of the battery! When doing so, please observe the vehicle manufacturer's safety instructions.
- Make sure you do not damage vehicle components when drilling any holes.
- The cross sections of the positive and negative cables must not be less than 1.5 mm².
- Do not connect the vehicle's plug connectors to the radio!
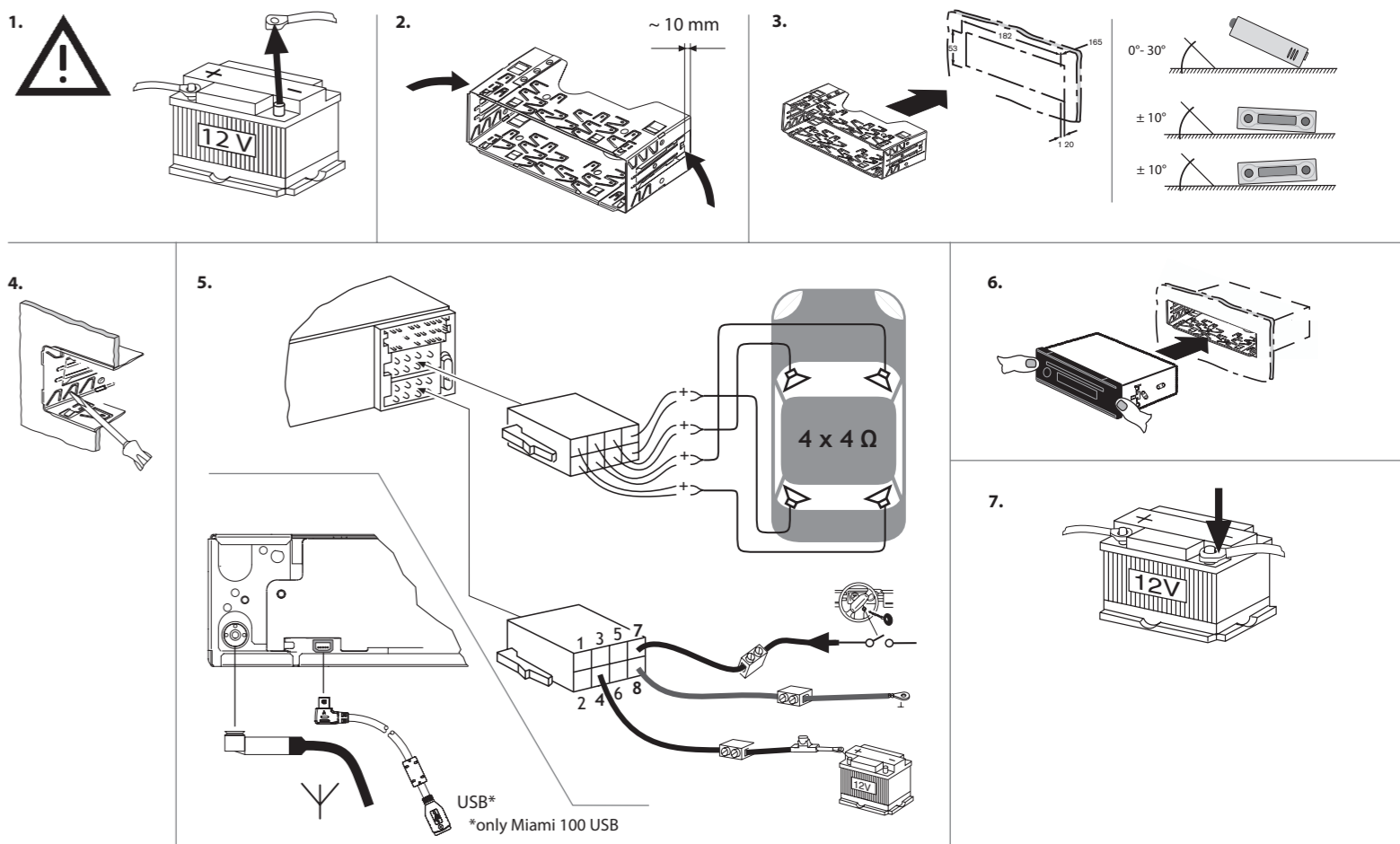You can obtain the adapter cable required for your vehicle type from any BLAUPUNKT dealer.

- Depending on the model, your vehicle may differ from the description provided here. We accept no responsibility for any damages due to incorrect installation or connection or for any consequential damages.
If the information provided here is not suitable for your specific installation requirements, please contact your Blaupunkt dealer, your vehicle manufacturer or our telephone hotline.
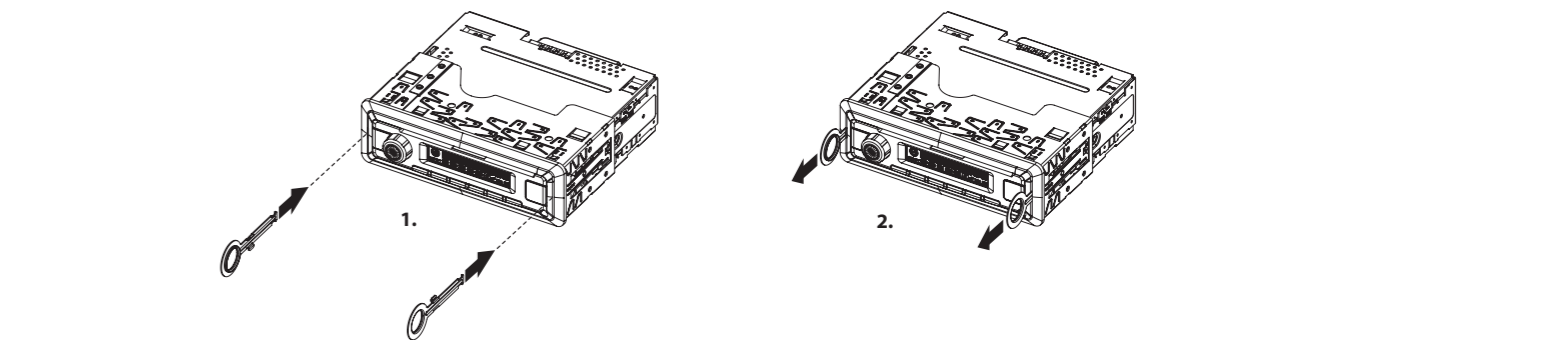
When installing an amplifier, you must first connect the device earth connections before connecting the plugs for the line-in or lineout jacks.
Earth connection of external devices may not be connected to earth of car sound system (housing).

### Installation



USB*
*only Miami 100 USB

### Removal



### Pin assignment



| A Power supply | B Speakers | C1 Line Out | C2 | C3 AUX |
|---|---|---|---|---|
| 1 – | 1 Right Rear (+) | 1 Left Rear | 7 – | 13 RXD[1] |
| 2 Telephone Mute Input | 2 Right Rear (–) | 2 Right Rear | 8 – | 14 TXD[1] |
| 3 – | 3 Right Front (+) | 3 Ground | 9 Telephone Mute Input | 15 Battery (+12V Out) |
| 4 Battery (+12V) | 4 Right Front (–) | 4 Left Front | 10 Switch Supply (+12V)* | 16 – |
| 5 Auto. Antenna* | 5 Left Front (+) | 5 Right Front | 11 Remote Control Input | 17 – |
| 6 Dimmer Control | 6 Left Front (–) | 6 Switch Supply (+12V)* | 12 Remote Control Ground | 18 – |
| 7 Ignition (+12V) | 7 Left Rear (+) | | | 19 – |
| 8 Ground (–) | 8 Left Rear (–) | | | 20 – |

* A-5 + C1-6 + C2-10 ≤ 300 mA

[1] For service use only.

Subject to changes