



BV735B USER MANUAL

**BLUETOOTH® | MP3-COMPATIBLE
DIGITAL MEDIA AM/FM RECEIVER
FEATURING 6.2" (157 mm) WIDESCREEN
TOUCHSCREEN DIGITAL TFT MONITOR**



Congratulations on your purchase of a **Boss Audio Systems ELITE®**
Multimedia Receiver.

It has been designed, engineered and manufactured to bring you
the highest level of performance and quality, and will offer you
years of entertainment pleasure.

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SPECIFICATIONS

Model No.	BV735B		
General features	Fixed front panel 6.2 inch TFT screen FM/AM Radio RBDS A-Link (Screen Mirroring) USB Charging (1A) Front USB and Micro SD support Bluetooth audio stream and hands-free phone call Push-To-Talk (PTT) AUX input AV input Video output Front/Rear view camera support Front, rear and subwoofer pre-amp outputs Max. 4 x 80W power output Steering wheel control (SWC)		
TFT screen	800 x 480 pixel		
USB/Micro SD	64G		
Working power	12V		
Max Output	4 x 80W		
Working Temperature	-20°C ~ 70°C / -4° F ~ 158°F		
Size	7.01" x 3.86" x 3.94" / 178 x 98 x 100 mm		
Weight	1.54 lbs / 0.7 kg		
Compatible Media			
Picture	JPG/JPEG/BMP		
Audio file	MP3/WAV/FLAC		
Video file	Format	Video code	Audio code
	.MPEG1	MPEG1	MP2
	.MPG	MPEG2	MP2

SAFTY NOTICE

Please read and understand the following safety information before operating this unit.

WARNING!

To ensure safety while driving and to comply with laws, drivers should not watch video or operate the video device while driving.

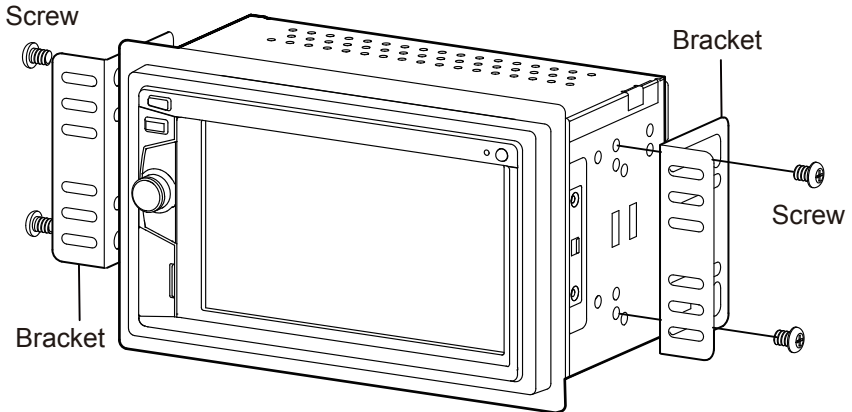
- ⊘ The unit is suitable for 12V power supply (requires grounding). Do not connect it to 24V power supply in trucks or buses, or else it will be damaged.
- ❗ Do not replace the fuse without the guidance of qualified personnel or the unit may be damaged and/or catch fire.
- ⚠ Please follow the traffic laws and regulations and do not watch programs or operate the unit when you are driving to avoid accidents (excluding passengers watching through rear monitor).
- ❗ To ensure safety and normal unit operation, please ask qualified personnel to install the unit. Do not disassemble or repair the unit without authorization. To avoid damage and accidents, please contact a local car audio distributor for details.
- ⊘ Do not put the unit in a moist environment or water to avoid electric shock, damage, and/or fire due to a short circuit.
- ⊘ The mechanical drive part of the monitor uses an automatic precision transmission component. Do not pull, push or rotate the unit by force or impact the TFT screen to avoid damaging the unit.
- ❗ Do not insert the audio plug of the vehicle into the master unit directly. Please convert with the dedicated end cable provided by our company.
- ❗ When installing the unit, prevent metal objects from falling into the master unit from the vents to avoid a short circuit and damaging the unit.

Safety Statement

- ⊘ For the safety of yourself and others, do not watch programs or operate the unit when you are driving. It is prohibited by law.
- ❗ The back up camera function should be used as an auxiliary view only. We are not responsible for any accidents occurred during backing.

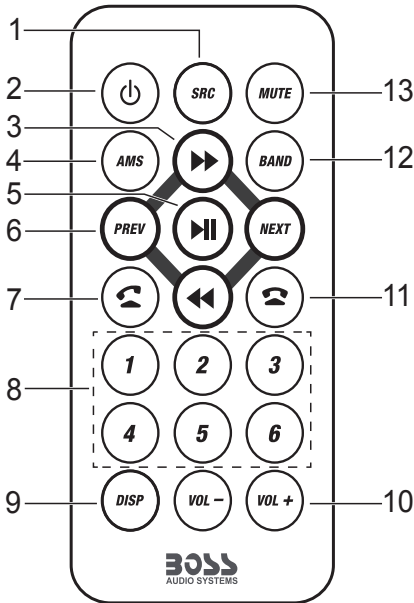
Remote control.....	1
Wire harness.....	1
Mounting brackets.....	2
Bracket screws.....	4
Trim ring.....	1

UNIT INSTALLATION



1. Put the 2 brackets to the left and right side of the unit.
2. Use the supplied screws to attach the brackets to the unit.
3. Once the screws are attached, the brackets can be adjusted forward or backward depending on the installation requirements.

REMOTE CONTROL OPERATION



1 SRC

Select a source.



Switch the unit on or to standby.



- In radio mode, press briefly to tune to a station; press and hold to enter manual seeking mode to fine tune frequencies.

- During media playback, search forward and backward.

4 AMS

Auto search and store radio stations.



Start, pause or resume playback.

6 PREV / NEXT

- In radio mode, select a preset radio station.
- During media playback, skip to the previous or next track.



Dial/answer a Bluetooth phone call.

8 Numeric buttons

In radio mode, select a preset radio station (1-6).

9 DISP

Display screen backlight setting.

10 VOL +/-

Adjust volume.



Eject or end a Bluetooth phone call.

12 BAND

Select a tuner band.

13 MUTE

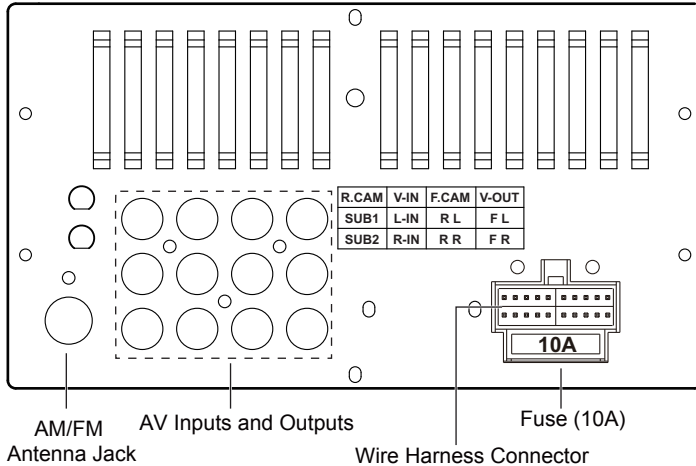
Mute or restore volume.

Notes for battery

- Replace only with the same type battery (CR2025). Observe correct polarity while inserting the battery.
- Remove the battery from the remote control if not used for a long time.
- The remote control contains a coin/button type battery, which can be swallowed. Keep the battery out of reach of children at all times!
- Batteries contain chemical substances, so they should be disposed of properly.

WIRES CONNECTION DESCRIPTION

The Description of the Input/Output Interface



Audio/Video Inputs and Outputs

R.CAM Rear Camera Input (Yellow)	V-INVideo Input (Yellow)
SUB1 Subwoofer Output 1 (Green)	L-INLeft Audio Input (White)
SUB2 Subwoofer Output 2 (Green)	R-INRight Audio Input (Red)
F.CAM Front Camera Input (Yellow)	V-OUT Video Input (Yellow)
R L Rear Left PRE-AMP Output (White)	F L Front Left PRE-AMP Output (White)
R R Rear Right PRE-AMP Output (Red)	F R Front Right PRE-AMP Output (Red)

Wire Harness

Power

Yellow.....	Constant (+12v)
Red.....	Accessory (+12v)
Black.....	Ground (-)
Orange.....	Illumination Input (+12v)
Violet/Wht.....	Reverse Input (+12v)
Blue.....	Ant. Output (+12v, 500 mA)
Blue/Wht.....	Rem. Output (+12v, 500 mA)
Lt.Green.....	Parking Brake Input

Control

3.5mm.....	SWC Input
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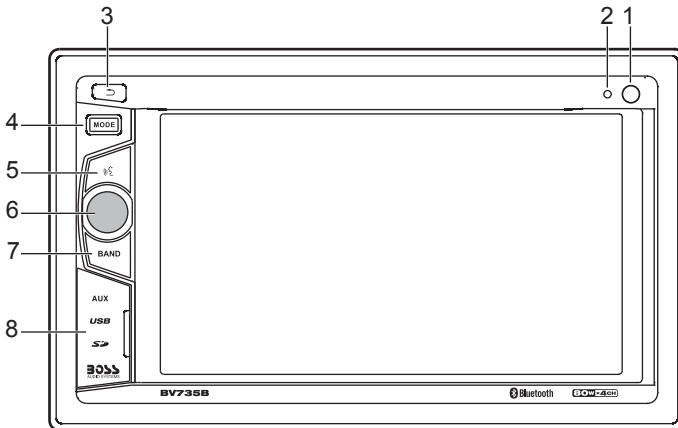
Speaker Outputs

White.....	Left Front (+)
White/Blk.....	Left Front (-)
Gray.....	Right Front (+)
Gray/Blk.....	Right Front (-)
Green.....	Left Rear (+)
Green/Blk.....	Left Rear (-)
Purple.....	Right Rear (+)
Purple/Blk.....	Right Rear (-)

Camera Power

Red/Blue.....	Front Output (+12v, 500 mA)
Red/White.....	Rear Output (+12v, 500 mA)

PANEL INTRODUCTION



1 Remote sensor

Aim the remote control directly at the sensor.

2 Built-in microphone

Pick up sound in Bluetooth operation.

3 ↶

Return to the previous menu screen.

4 MODE

Select a system mode (source).

5 📞 PTT (Push-To-Talk)

Press to access smartphone voice assistant capability via Bluetooth.

6 Function knob

- Press and hold to turn the unit on or off.

- Rotate to adjust volume.

- In power on mode, press briefly to mute or restore volume.

7 BAND

Select a tuner band.

8 Reset/AUX/USB/SD cover

Open to access the following button or connectors.

● Reset button

Press the reset button if the unit fails to operate properly.

● AUX jack (3.5mm)

Connect to an external audio device for audio input.

● USB port

Connect to a USB flash drive for media play.

● SD card slot

Connect to a Micro SD card for media play.

MAIN MENU OPERATION INSTRUCTION

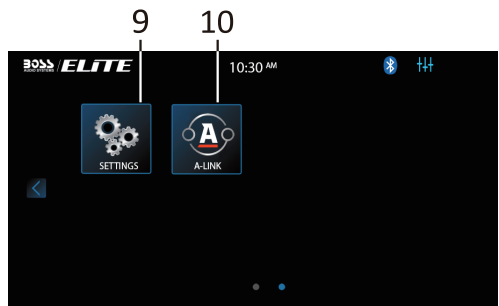
MAIN MENU 1

1. Tuner Interface
2. Streaming Interface
3. Phone Interface
4. USB Interface
5. Micro SD Interface
6. Front/Rear Camera Interface
7. AV INPUT Interface
8. AUX IN Interface



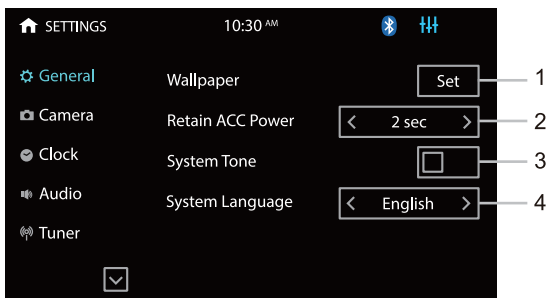
MAIN MENU 2

9. Setting Interface
10. A-LINK(Autolink) Interface



There are seven Setting Menus

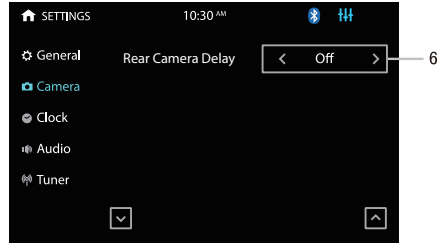
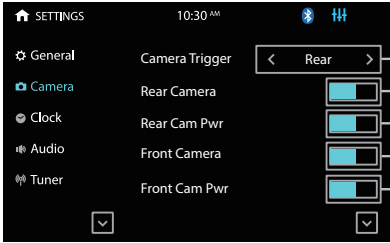
GENERAL SETTINGS-Menu 1



1. Touch to set wall paper for the home menu background.
2. Retain ACC Power: select how many seconds to delay shut down of the unit after the vehicle powers down.
3. When turned on, an audible beep tone confirms each function selection.
4. Touch to select Spanish or English.

ACCESS SETUP INTERFACE

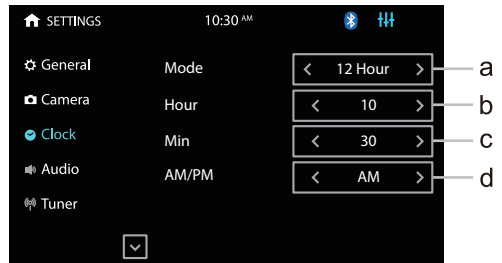
CAMERA SETTINGS-Menu 2



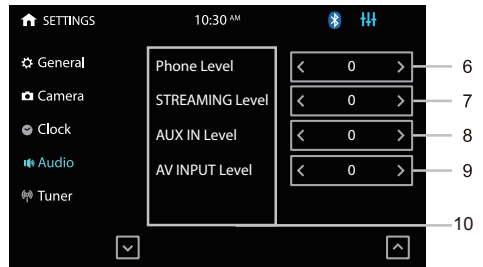
1. Camera Trigger: Touch to select Front/Rear/Off. Select to display the front or rear camera view, or no camera view when reversing.
2. Rear Camera: Touch to enable or disable the rear camera input.
3. Rear Cam Pwr: Touch to enable or disable power output to the rear camera.
4. Front Camera: Touch to enable or disable the front camera input.
5. Front Cam Pwr: Touch to enable or disable power output to the front camera.
6. Rear Camera Delay / Front Camera Delay: Touch to delay trigger of the rear/front camera view by a set time (1/2/3 seconds or off) when shifting the gear to the reverse position. Due to varying vehicle configuration, the rear/front view trigger can be delayed to suit the vehicle.

CLOCK SETTINGS-Menu 3

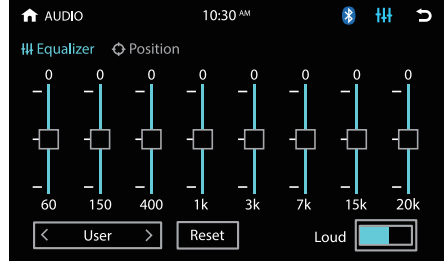
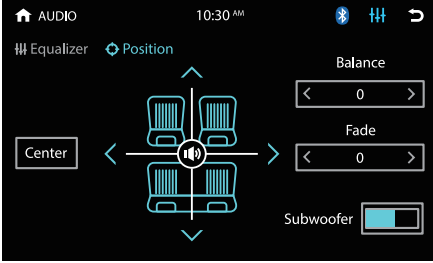
- a. Touch to set clock mode: 12/24 hour.
- b. Touch to set hour.
- c. Touch to set minute.
- d. Touch to set AM/PM at 12 hour mode.



AUDIO SETTINGS-Menu 4



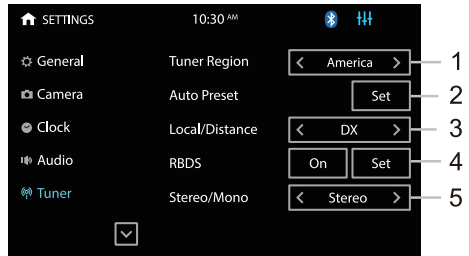
ACCESS SETUP INTERFACE



1. Touch to select whether to output sound from an external amplifier.
 2. Startup volume: default volume.
 - ① If the volume at the last shutdown is less than this volume, the volume at the last shutdown will be used when rebooting;
 - ② if the volume at the last shutdown is greater than this volume, this default volume will be used when rebooting
 - 3-9. Touch to set a particular volume level for each source.
 10. Slide up or down to enter the previous or next menu interface.
- Position: Touch to access setup of balance, fader and subwoofer.
 Equalizer: Touch to access setup of equalizer and loudness.

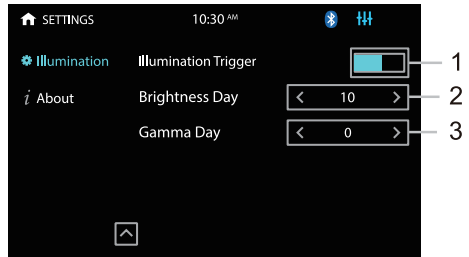
TUNER SETTINGS –Menu 5

1. Select America or EU region you are in to receive radio stations.
2. Perform radio search and store radio stations in each radio band.
3. Select “Local” to receive strong signal only. Select “Distance” to receive both strong and weak signals
4. Turn on or off RBDS function. Select “Set” to access RBDS setting options.
5. Select “Stereo” or “Mono” sound effect.



ILLUMINATION SETTINGS –Menu 6

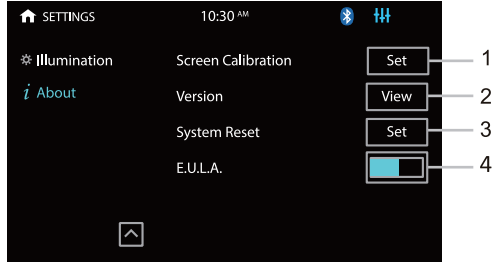
1. Touch to turn on the illumination detection function.
2. Touch to set screen brightness.
3. Touch to set gamma brightness.



TUNER OPERATION

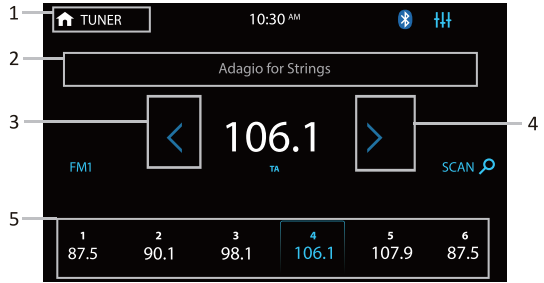
ABOUT SETTINGS –Menu 7

1. Touch to enter the touch calibration interface.
2. Touch to view the version number of the machine.
3. Touch to restore the machine to factory settings.
4. Touch to select whether it is necessary to display the End User License Agreement when booting up.



TUNER OPERATION

1. Touch to go back to the home page.
2. Show PS,PTY and RT messages from RBDS
3. Short press to seek backwards, long press to enter manual mode.
4. Short press to seek forward, long press to enter manual mode.
5. Short press to select the preset station, long press to save current Freq.



RBDS: Touch Setting > Tuner > RBDS > Set to enter the RBDS setup menu.

Choose what program type you'd like to listen to: news, sports, information, etc.

a. CT (Clock Time)

Turn on to automatically correct the current time every time the RBDS is enabled.

b. TA (Traffic Announcement)

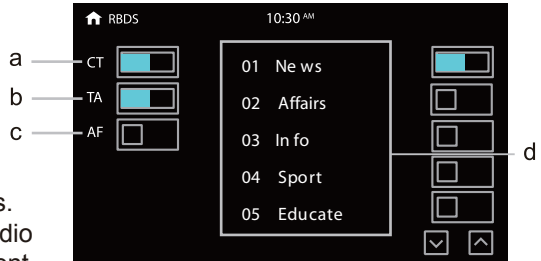
ON: When turned on, the radio will automatically search for traffic stations. The unit will automatically switch to radio mode to broadcast traffic announcement, even if the unit is in other mode. Once the traffic announcements are complete,

the unit will automatically switch back to the previous mode.

OFF: TA function is turned off.

c. AF (Alternative Frequencies)

When the AF function is turned on, the radio will automatically fine tune to other frequencies when the received station becomes weak. A warning message will be displayed on the screen when receiving emergency announcements.



USB/MICRO SD PLAYBACK

d. PTY (Programming Type)

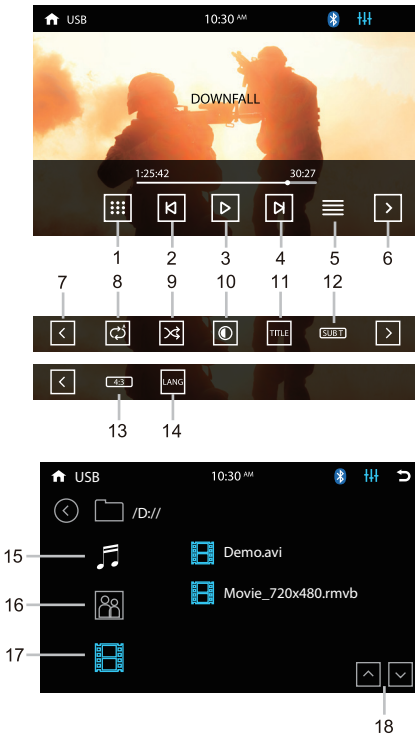
Touch an on-screen button to select a program type. The unit will search for the selected program and broadcast it.

NOTE: If RBDS is turned OFF, CT/TA/AF/PTY will not function.

USB/MICRO SD MUSIC/VIDEO/PICTURE OPERATION

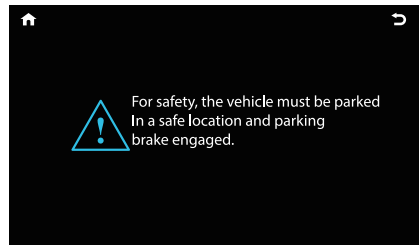
Touch the USB/SD icon in the main menu to enter the USB or Micro SD playback interface.

VIDEO OPERATION



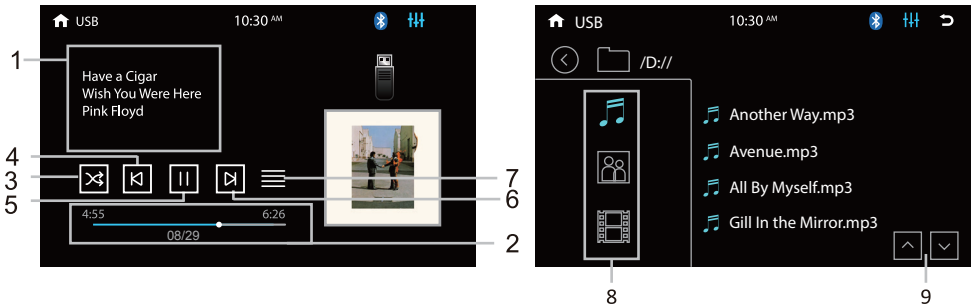
1. Keypad: Enter the number to select video.
2. Short press to move to the previous video, long press to rewind quickly.
3. Touch to playback/pause.
4. Short press to move to the next video, long press to fast forward quickly.
5. List: Touch to enter video file list.
6. Go to the next page of the menu bar.
7. Go to the previous page of the menu bar.
8. Touch to change the repeat mode in the following sequence: repeat track, repeat all, repeat cancel.
9. Touch to change random play mode.
10. Touch to enter video adjust page to adjust Gamma and contrast of video.
11. Touch to enter video title list
12. N/A
13. Touch to switch aspect ratio of video between 4:3 and 16:9
14. Touch to select audio language for video.
15. View the Music files
16. View the Photo files
17. View the Video files
18. Enter the previous or next page of list.

NOTE: When properly installed, a video cannot be displayed unless the parking brake is applied. If the parking brake wire is not installed correctly, a warning message will appear.



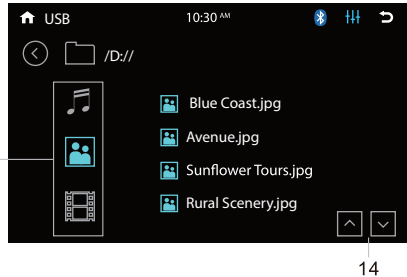
USB/MICRO SD PLAYBACK

MUSIC OPERATION



1. Show the music's ID3 information
2. Time bar: show the elapsed time and total time of the current song, track number.
3. Change play mode: repeat all, repeat single, sequential play and shuffle play.
4. Skip to the previous song
5. Play/Pause
6. Skip to the next song
7. List: Touch to enter song file list.
8. View the Music/Photo/Video files
9. Go to the previous or next page of list.

PHOTO OPERATION



1. Keypad: Enter the number to select photo
2. Skip to the previous photo
3. Play/Pause
4. Skip to the next photo
5. List: Touch to enter photo file list.
6. Go to the next page of the menu bar

7. Go to the previous page of the menu bar
8. Repeat single, repeat all, repeat cancel
9. Sequential play and shuffle play
10. Touch to enter video adjust page to adjust Gamma and contrast of image.
11. Turn right 90 degree
12. Zoom In / Out
13. View the Music/Photo/Video files
14. Go to the previous or next page of list.

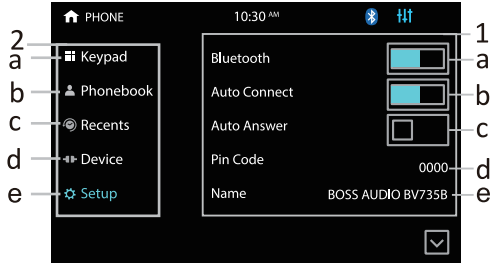
BLUETOOTH OPERATION

BLUETOOTH OPERATION MENU

Click the phone icon to enter the Bluetooth function interface.

1. Bluetooth setting menu:

- a. Turn Bluetooth on and off.
Turn on and the display loops between the gray Bluetooth icon, the white Bluetooth icon. The icon will turn blue when a phone is paired.
- b. Connect automatically.
- c. Answer automatically.
- d. PIN code: The default password is "0000".
- e. Default Bluetooth name for this unit: BOSS AUDIO BV735B

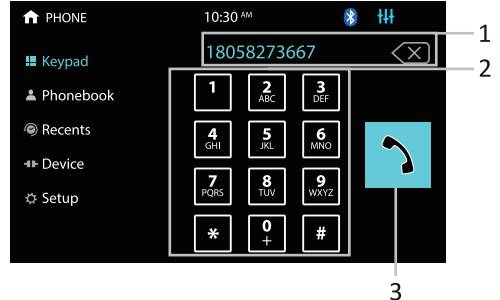


2. Function area:

- a. Click to see the dialing keypad. Users can dial phone numbers and make calls.
- b. Click to see the Bluetooth phonebook menu.
- c. Click to see the Bluetooth call history.
- d. Bluetooth pairing interface.
- e. Bluetooth setting menu.

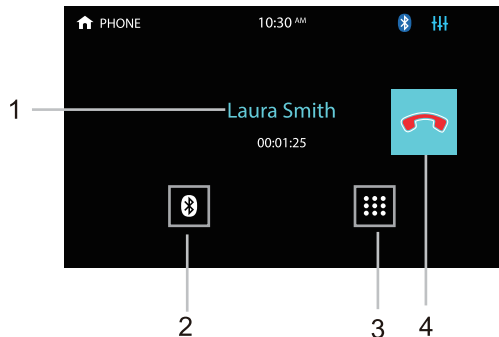
BLUETOOTH DIALING

1. Shows the number dialed in.
Press to delete wrong numbers.
2. Key area.
3. Touch to call out.



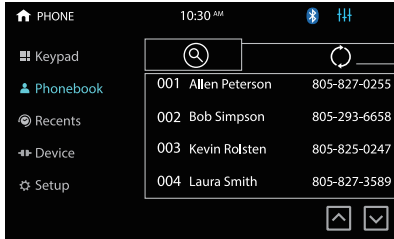
BLUETOOTH CALL

1. Show contact name.
2. Touch to select talk through phone or through Bluetooth.
3. Keypad area.
4. Press to hang up the phone call.



BLUETOOTH OPERATION

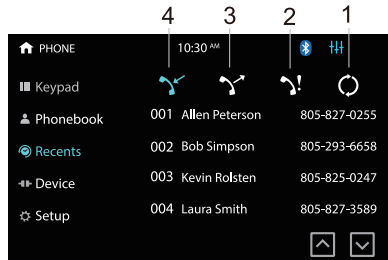
BLUETOOTH PHONE BOOK



1. Touch to search for a name or phone number.
2. Click to sync phonebook.
3. Contact list.

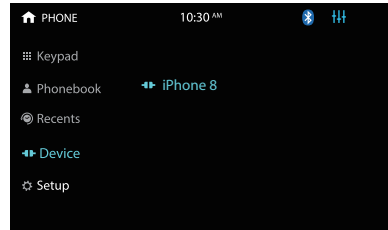
BLUETOOTH PHONE CALL HISTORY

1. Click to sync phone call history.
2. Touch to show missed calls.
3. Touch to show the dialed phone number.
4. Touch to show the received phone number.



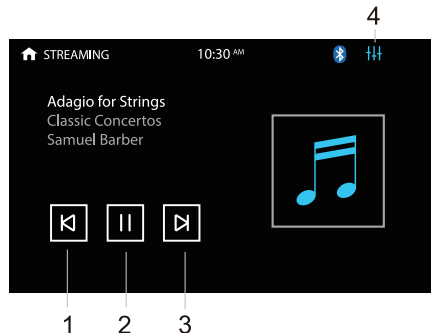
BLUETOOTH DEVICE

1. Click to view the device connected to this unit.
2. Click the device name to disconnect the device.



BLUETOOTH MUSIC-A2DP

1. Skip to the previous song.
2. Play/pause.
3. Skip to the next song.
4. Enter EQ setting menu.



A-LINK(SCREEN MIRRORING) OPERATION

A-LINK App allows you to mirror the screen of certain Android smartphones on the screen of this unit.

Scan either of the QR codes to download the “A-LINK” App in Amazon App Store or Google Play Store and install it to your smartphone.

Simply connect your smartphone to the USB port on the front panel using the original cable of your smartphone. You will see the favorite smartphone apps directly on the screen of this unit.



Amazon
App Store




Google
Play Store

Note:

1. Supports 2 way control for Android device.
2. Supports Android 8.0+ or higher, not all apps are supported.

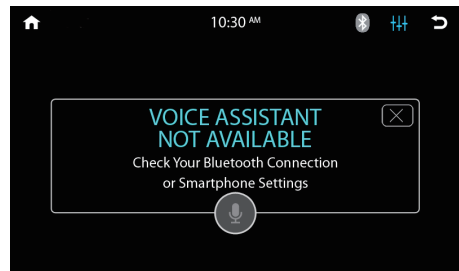
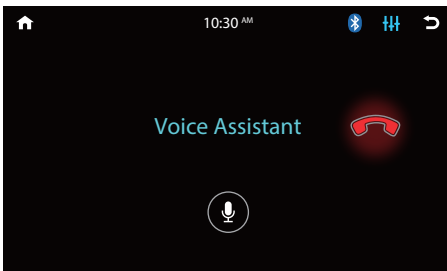
PTT(PUSH-TO-TALK) OPERATION

This Push-To-Talk feature allows direct access to Android and IOS smart-phones voice assistant capability when you establish the Bluetooth connection between your smartphone and this unit. Press the  button on the front panel to use the function when Bluetooth connection is made.

Note:

Before using the Push-To-Talk, you must enable the mobile data on your smartphone.

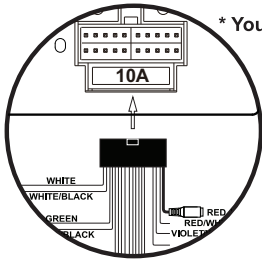
To use the navigation feature, switch to the BT Audio source to hear voice commands over the speakers of your vehicle.



Steering Wheel Control Compatibility

A third-party adapter must be used in order for this unit to be compatible with your OEM steering wheel controls. We recommend PAC SWC Series.

This unit has a built-in 3.5mm SWC interface that is compatible with many popular 3rd party SWC control modules, such as PAC, METRA, and others.



* Your product design may differ

RED or BLACK color
3.5mm SWC port is located on the rear of the unit,
on the MAIN POWER I/O Harness

The following Radio / Audio function controls are available:

- Source
- Mute
- Home
- Seek + / Next Track
- Seek - / Previous Track
- Volume +
- Volume -
- Band
- Phone Menu
- BT Talk
- BT End Call
- Voice Assistant / PTT

Note: Not all OE steering wheel functions may be supported

SWC INSTALLATION / PROGRAMMING

Contact your local installation expert for the correct adaptor for your specific vehicle.

1. For most SWC adaptors select program using "Pioneer/Sony/Other" mapping order as described above.
2. When programming, if a function is not supported (or not desired), then the function **MUST** be skipped as per the SWC module instructions.
3. The SWC function **MUST** be programmed in the correct order as per the function mapping order instructions.

For SWC programming technical assistance call the number in your SWC instruction manual

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

v2.0

TROUBLESHOOTING

Table 1:General problem

Problem	Casue	Corrective Action
Unit does not power on	Radio fuse blown	Install new fuse with right rating
	Car battery fuse blown	Install new fuse with right rating
	Illegal operation	Press the Reset button
Screen touch is insensitive	Place of touch screen is offset	Go to setup menu and set the calibration
No audio output	Improper audio output connection	Check wiring and correct
	VOLUME 0	Turn up the volume
Low audio output	Volume set too low	Increase the volume
	Heavily biased volume balance	Check and adjust the channel balance to the center position
Poor sound quality or distortion	Speaker power rating not compatible with unit	Connect proper speakers
	Speaker is shorted	Check speaker contrast

Table 2:Tuner problem

Problem	Casue	Corrective Action
Weak station searching	Auto antenna is not fully extended	Connect the auto antenna properly
	Local function is activated	Turn Local function OFF

Table 3:TFT monitors problem

Problem	Casue	Corrective Action
No image	Incorrect connection to parking wire	Check wiring and correct
	Parking brake is not engaged	Stop vehicle in safe place and parking brake ON
Flashing image or interference appears on screen	Improper video signal connections	Check wiring and correct
Improper image, improper height/width ratio display	Improper aspect ratio setup	Use correct aspect ratio setting



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