

USER'S MANUAL

BV860B

BLUETOOTH® | DVD/MP3/CD AM/FM RECEIVER

BOSS[®]
AUDIO SYSTEMS

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USER'S MANUAL

BV860B

BLUETOOTH[®] | DVD/MP3/CD
AM/FM RECEIVER

FEATURING MOTORIZED 7" (178mm) WIDESCREEN TOUCHSCREEN
DIGITAL TFT MONITOR



BOSS[®]
AUDIO SYSTEMS
ELITE

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

ACCESSORY

Accessory	Quantity
Wire	1PC
Remote Controller	1PC
Warranty card	2PCS
Disassemble Key	2PCS

INSTRUCTIONS

SPECIFICATIONS

Power supply	DC 12V
Power range	10.8-16.0V DC
Max Current Consumption	15A
Ground system	Negative ground
Power Output	85W x 4 Channels

FM tuner

US frequency range	87.5-107.9MHz
European frequency range	87.5-108MHz
Signal / Noise ratio	55dB
Stereo separation	30dB
Search station volt	20-30dBuv

AM tuner

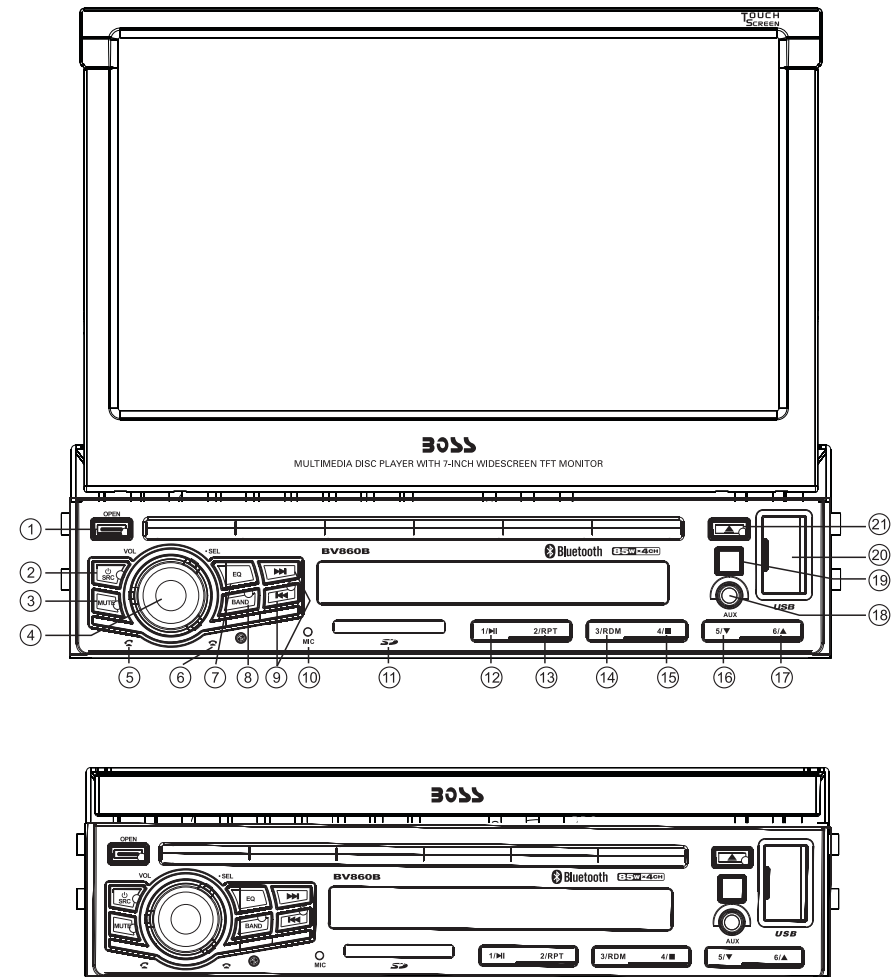
US frequency range	530-1710KHz
European frequency range	522-1620KHz
Limit noise sensitivity	32dB

DVD player

S / N Ratio	70dB
Frequency response	20Hz-20KHz

INSTRUCTIONS

Panel Introduction



BASIC FUNCTION

1. OPEN Button

Press the button to open / close the screen.

2. / SRC button

If unit is off:

Press this button to power on the unit.

If unit is on:

Long press this button to power off

Short press to cycle thru sources.

3. MUTE Button

Press this button to shut off sound output, repress this button to resume sound output; Long press this button longer to turn on / off TFT LCD display.

4. (VOL/SEL) Volume adjustment mode

Repeat pressing this button can select the VOL、BAS、TRE、BAL、FAD adjustment mode.

Then can rotate the button to adjust VOL、BAS、TRE、BAL、FAD as you like.

5.

When a calling coming in, press the volume button to answer the phone.

6.

When a calling coming in, press the volume button 2 times to refuse the phone.

7. EQ button

In a source mode, press the button to enter equalizer setup.

8. BAND button

In radio mode, press this button to switch band, every time to choose band, the sequence is as follows: FM1 - FM2 - FM3 - AM1 - AM2

During Video playback, press this button to switch video system AUTO, NTSC, PAL.

9. SEEK /

In radio mode, press / rotate the knob to select station upward / backward.

Long press / rotate the knob to automatically scan station.

In playback mode, short press / rotate the knob to select song upward / backward, long press / rotate it to achieve speed forward / backward function.

10. MIC Input

BT MIC input.

11. SD

Insert SD card, the unit will play the files automatically.

12. Number Button 1 /

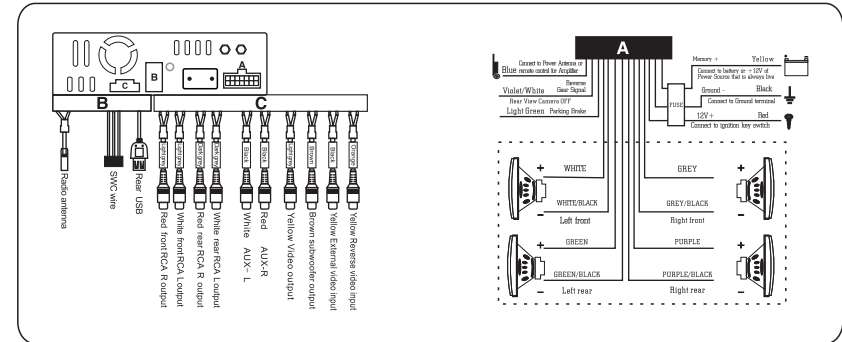
In radio mode, press this button to hear radio preset;

In disc playback mode, press this button for Play/Pause.

WIRING DIAGRAM

This player is equipped with ISO standard connector, please follow below instruction:


- Red - ACC ON (+12V)
- Yellow - 12 V Constant
- Black - Ground wire
- Blue - Power Antenna / Remote Amp Turn On
- Violet/White-Reverse Gear Signal
- Grey/Grey black - Right front speaker (+/-)
- White/White black - Left front speaker (+/-)
- Purple/Purple black - Right rear speaker (+/-)
- Green/Green black - Left rear speaker (+/-)
- Light Green-Parking Brake



TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Cannot power on	Check fuse	Change fuse same as the old one
	Some factors cause MPU wrong operation	Press RES button on the panel by penpoint, then, power on
After ignition switch off, setting information all lose	Change battery or fuse	Reset information and save
Poor performance of radio station	Weak signal	Move the car to another place, then research
Cannot load disc	There is a disc inside	Remove disc before inserting another one
Cannot play disc	Disc is scratched	Change new disc
	Put wrong side of disc into the unit	Insert in the disc with sign side up
	Lens is dirty	Clean lens by lens clean disc
Cannot switch language/subtitle	There is only one language/subtitle in disc	If disc is not with multi-language/subtitle, it cannot switch language/subtitle
No image	Other factors cause MPU wrong operation	Press RES button on the panel by penpoint, then, power on
Cannot watch image during driving	It's not allowed to watch image during driving	Park the car in a safe place, put the car stall in " P " position, pull up the hand brake, parking brake wire must be grounded


Version

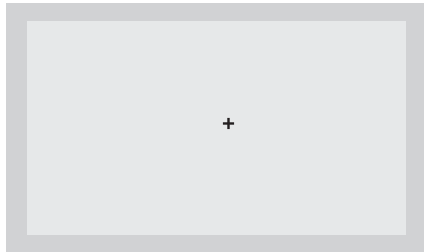
Touch the icon [] in setting interface to enter the interface below to check the software version number of DISC/MCU/TFT/BT (The version information is displayed please prevail in kind.)



Touch calibration

If the touch position is biased, you may touch the icon “Calibrate” for calibration.

Touch the icon [] in setting interface to find the setting bar [Calibration < >], and then touch any icon [< >] to enter the following calibrating interface.



Touching methods

Use touch pen to click the center of “+” icon, and move along with center of “+” icon so as to calibrate the screen. It shall automatically save data and exit after screen calibration. Please accurately click all positions on screen, or the accuracy of touch calibration shall be affected.

13. Number Button 2 / RPT (Repeat Playback)

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button to repeat the current track indefinitely.

14. Number Button 3 / RDM (Random playback)

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button to play on the disc in random order.

15. Number Button 4 / ■

In radio mode, press this button to hear radio preset;
In disc playback mode, press this button for to stop playback.

16. Number Button 5 / ▼

In playback mode, press the button to adjust the angle of screen.

17. Number Button 6 / ▲

In playback mode, press the button to adjust the angle of screen.

18. AUX

To input external audio.

19. IR

To receive infrared signal from the remote control.

20. Dual (front and rear) USB

Insert USB removable device so as to read audio/video files.

▲ Warning: You can only use either front or rear USB at a time. Never connect both front and rear USB at the same time! This could cause malfunctions.

21. ▲

When there is a disc in the unit, press the button to eject the disc.



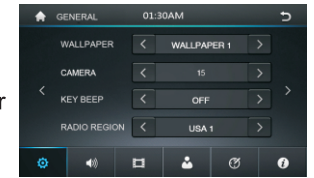
- 1. OSD BUTTON
- 2. AUDIO BUTTON
- 3. LOUD BUTTON
- 4. NUMBER(0~9)BUTTONS
- 5. CLOCK BUTTON
- 6. ANGLE/MO/ST BUTTON
- 7. LOC/SLOW BUTTON
- 8. STOP BUTTON
- 9. |<< BUTTON
- 10. SELECT BUTTON
- 11. VOLUME+/- BUTTON
- 12. STEP/🔄 BUTTON
- 13. SRC BUTTON
- 14. MUTE BUTTON
- 15. BAND BUTTON
- 16. OK BUTTON
- 17. INT BUTTON
- 18. RPT BUTTON
- 19. ANG BUTTON
- 20. 10+ BUTTON
- 21. LANG/L/R/ST BUTTON
- 22. A-B/CLEAR BUTTON
- 23.>|| BUTTON
- 24. >>| BUTTON
- 25. ZOOM BUTTON
- 26. EQ BUTTON
- 27. SUBT/REDIAL BUTTON
- 28. POWER BUTTON
- 29. APS/📞 BUTTON
- 30. MENU BUTTON
- 31. SETUP BUTTON
- 32. ◀/▼/▲/▶ BUTTON
- 33. GO TO BUTTON
- 34. PBC/TITLE BUTTON
- 35. RDM BUTTON
- 36. AF BUTTON
- 37. TA BUTTON

Click [Setting] icon on main interface to access setup interface.

General setting

Click icon on setup interface to access general setting interface, as shown in below PIC 1 diagram:

In General setting interface, you may set the functions On or Off, or click the icon []to preview the wallpapers up and down and set your favorite wallpaper



PIC 1

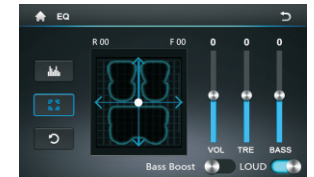
Wallpaper

Touch the icon[< Wallpaper3 >]in wallpaper bar[]to change the wallpaper.

Audio setting

Click icon on setup interface to access audio setting interface, as shown in right (PIC 2) diagram:

You can turn on or turn off the existing functions on audio setting interface and adjust the rearview volume.

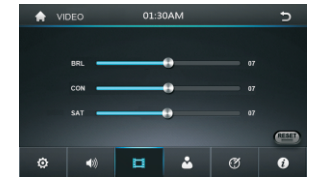


PIC 2

Video setting

Click icon on setup interface to access video setting interface, as shown in right (PIC 3) diagram:

At video setting interface, you can adjust brightness, contrast, saturation and hue of the video.

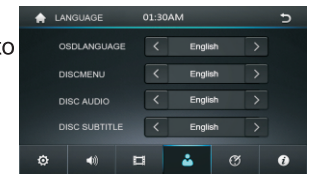


PIC 3

Language setting

During use, you can select your familiar language to display menu by language setup. Click icon on setup interface to access language setting interface, as shown in right (PIC 4) diagram:

In the languagebar [] you need to set, touch the corresponding icon[]to select your familiar language.

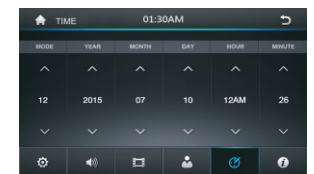


PIC 4

Time setting


Click icon on setup interface to access time setting interface.as shown in right (PIC 5) diagram:

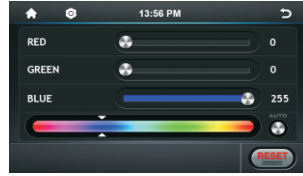
Touch the icon []of Time mode, Year, Month, Date, Hour, Minute for setting.




PIC 5

RGB FUNCTION

Touch the icon [] in main interface to enter the following RGB interface .



Calendar

Touch the icon [] in main interface to enter the following Calendar interface:



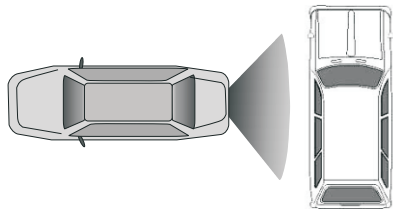
Other Operation

Rear view function

In any running state, the video signal can switch to reverse video state when reversing the car, and the system shall return to its initial running state after reversing the car.

Warning

Do not solely rely on rear view camera.
Objects may be reversed ,always be aware of you surroundings.



Reverse field simulation



Rearview backup image

BATTERY CHANGE

When control distance of remote control becomes shorter or no function, please change battery, please confirm polarity before change.

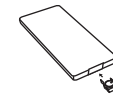
One hand press stopper, then pull out battery.



Put battery into controller.



Insert battery holder into controller.



Turn on/off

When the ignition switch is put in ACC or ON position, Press power button on the front panel to turn on the unit. After the host starts, hold power button for 3 seconds, the host will turn off.

Access main interface

Turned on, the interface to return the icon to switch to the main interface. As shown below:



Touch the function icons so as to access the corresponding function operations. Touch the [] icon or use the touch pen/finger gently sliding around the screen to switch to the main menu page.

USB/SD Card Operation

When there is a USB device/SD card connected, the unit can conduct the playback of audio/video/image files in the USB device/SD card.

Insert/Eject USB storage device

1. Connect a U disc recorded with media information to the unit by a USB connecting cable.
2. When there is a need to eject the USB device, exit the USB device playback screen first, and then take out the device.

Insert/eject SD card

1. Insert a SD card recorded with media information into the SD card slot in the unit correctly until it is locked.
2. When pulling out the SD card, exit SD card playing state first, then press the SD card and it shall pop up after unlocking.

Enter/exit

Insert a USB storage device or SD card to automatically play data contained in it. If the unit has connected with a USB device or SD card, touch [USB] icon in the multimedia interface to enter into the external storage playback interface; Touch [SD] icon to enter into the SD card playback interface. During playback, touch the top center area of the screen to pop up the touch menu, operate touch menu to perform various playback controls.

Play

After SD card/USB removable device being read out, the operation methods are similar to disk operation methods.

ST. Wheel setting

1. Click on the [] icon in the main interface into the SWC. settings interface.
2. The original vehicle to the control line positive, negative with the machine control line in the positive and negative connection.
3. Click the SWC buttons will appear corresponding operating tips, and fundamental operation prompts the SWC feature set.
4. Set function to save the settings and click the Confirm icon to confirm.



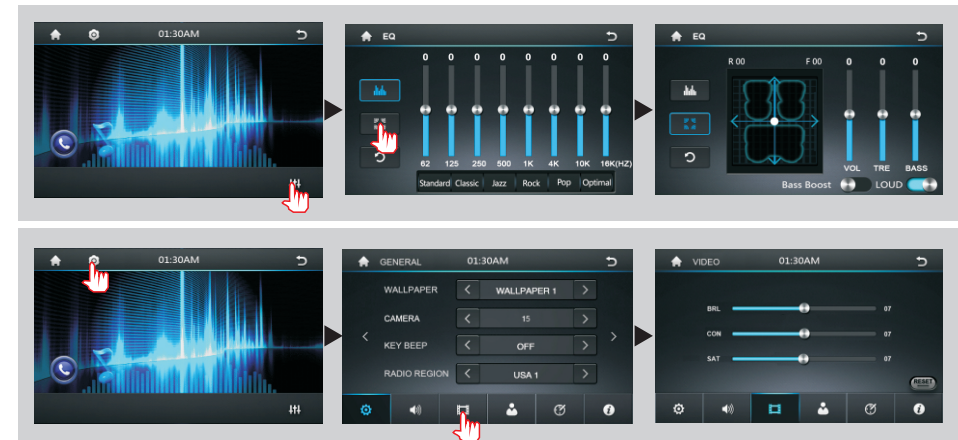
Note: To modify function settings, repeat procedures 3~4.

To reset functions, click Reset icon, all the settings set before shall be cleared, repeat procedures 3~4 for resetting.

External input operation

Connect the video input plug with external video input jack, and connect the audio input plug with external audio input jack.

Touch [AUXIN] icon on main interface to access external AUXIN interface.

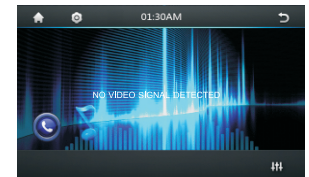


Audio → You can adjust the volume, bass, pitch for input audio. You can adjust the speaker volume by adjusting the front and back, left and right column.

Video → You can adjust the brightness, contrast, saturation and hue for input video. You can also choose the video standard mode.

Note: To adjust the angle of the screen, “Angle Up” and “Angle Down” are marked respectively in each location for different sources.

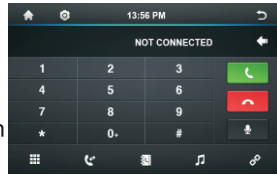
Touch [AVIN] icon on main interface to access external AVIN interface.



1. Enter/exit

Touch the icon [📶] in main interface or under Radio/SD/USB/Media/BT Music status to enter BT [📶] main interface.

Touch [📶] icon to exit BT interface.



2. Pair/link

To use BT hand-free function, make connection first, i.e. match the host with the BT mobile phone.

Operation methods:

Set the host to be matching state, and open the BT of your mobile phone and use the mobile phone to search device, the mobile phone shall prompt to match password with the BT when it has searched the BT device.

Input BT password (0000) to the mobile phone and confirm. The mobile phone shall prompt whether authorize to this device, please select [Yes]. Phone and BT shall automatically connect within 20 seconds. Under any working mode, the host shall convert to BT state if there is an incoming call. And the host shall restore to current mode after hanging up.

When the BT device matches with this device, the connection status shall display "Paired", otherwise, it shall display "NOT CONNECTED". After connect successfully, will show

BT friendly name "Boss Audio BV860B".

3. Dialing

You can dial on mobile phone directly or input phone number through the number buttons on the screen, click [←] to delete if there is input error.

After input the phone number, click [📞] to make a call, and click [📞] to hang up the phone.

Click [📶] during a call so as to switch the voice between car speaker and mobile phone.

4. Phone book

Click [📖] to access phone book interface.

Touch this button to search the name in phone book.

5. Call records

Click [📞] to access call records interface.

Touch this button to check all the dialed phone numbers.

Touch this button to check all the phone numbers of received calls.

Touch this button to check all the phone numbers of missed calls.

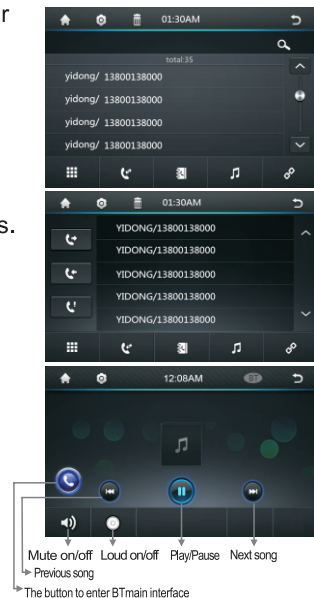
6. BT music

Touch the icon [🎵] or the [📶] in the main interface to enter BT music interface, as is shown below:

7. Disconnect BT

Disconnect: When there is a need to disconnect the BT device, directly touch the icon

[📶] at lower right corner of the BT main interface to disconnect the BT device.



1. Enter/exit

Touch [Radio] icon in the main interface to enter into the radio interface.

Touch [📶] icon to return to main interface, and then touch other function icons so as to exit radio mode.



2. MUTE on/off

Click [🔇] icon to switch MUTE on and off.

3. Loudness on/off

Click [🔊] icon so as to turn on/off loudness function.

4. Search/Save radio stations

Short press [🔍] icon to browse the stored radio stations.

FM band can save 18 radio stations (Six stations for FM1/FM2/FM3), AM band can save 12 radio stations (Six stations for AM1/AM2).

5. Band selection

Click [📶] icon so as to switch among FM1, FM2, FM3, AM1, AM2 bands.

6. Turn on/off the Long/Short-range

Click [📶] icon, the search pattern in the local search (LOC) and remote search (DX) switch between. LOC feature is turned on after the signal is strong enough only to listen to those in good condition and receiving radio station; DX enabled, you can receive remote weak radio signals.

Note: This function is available only when FM band is selected.

7. Stereo on/off

When receiving stereo signals, click [🔊] icon to turn on/off stereo.

8. TA (Receive traffic information)

ON: When the traffic station is turned on, the radio will automatically search for traffic stations. After a station is searched, screen displays "TP". Only when traffic information is broadcasted can it be received, after traffic information is completed, the radio will automatically switch to the previous mode.

OFF: Repress [TA] button to close TA function. In other modes, traffic announcement will automatically switch to radio mode, after the traffic announcement is completed, it will automatically switch to the previous mode.

9. AF

Touch the button to turn the AF function on/off. AF function is turned on, When the received station signals become weak, the radio will automatically fine-tune to other frequencies. When receiving an emergency announcing, the screen will display warning message.

10. Press [P1] or [P2] icon choose the radio station then press former station bellow the P1 P2 P3 P4 P5 P6 about 2-3 seconds can save presets.

1. Play/eject disc

Play disc

Insert the disc into the disc slot with the printing surface up, system will detect the disc and automatically take it in to read and play.

Eject disc

(1) Click [▲] button on the panel to eject the disc.

(2) If a disc has not been took away 15 seconds after it is ejected, system will automatically take in the disc but not play.

⚠ Do not insert two discs or more.

2. DVD/VCD disc playback

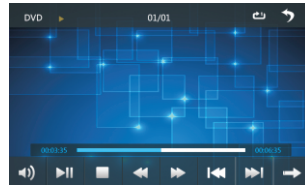
During playback of disc, touch the middle lower area of the screen to pop up the touch menu, operate the touch menu to perform various playback controls. (PIC 1)

3. CD Disc Playback

After a CD is inserted, system shall access disc reading state immediately.

When there is a disc in the device, click [Disc] at the main interface so as to access disc reading state.

After the disc being read out, system shall automatically play in sequence.



PIC 1

4. MP3/JPEG/MPEG4 disc playing

When the disc contains readable files, such as MP3/JPEG/MPEG4 files, it shall be automatically read out and played after slipping into DVD player.

During playing, touch the screen area and the touch menu shall pop up. Operate the touch menu for various playing.

5. Touch Menu Function Description

🔇 — MUTE

Touch this icon to switch MUTE on and off.

⏸ Play/pause

Touch the button to pause, retouch it to continue to play.

■ Stop

Touch the button to enter into pre stop status.

⏮ ⏭ Fast forward/backward

Consecutively touch this button to select the speed of fast-forward/fast-backward.

⏮ ⏭ The previous/next song

Touch the button to select the previous/next song.

➡ ➡ ➡ Access next menu

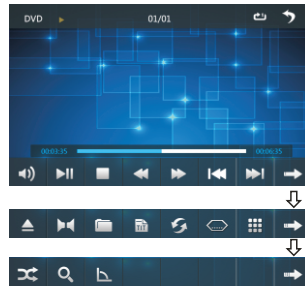
Touch it to access the next menu interface.

▲ Disc

Touch this icon to eject disc.

🔊 Stereo on/off

Touch it so as to turn on/off stereo.



🏠 Return to root menu

Touch this icon, it shall return to root menu of disk in DVD state and access PBC menu playing in VCD state. All chapters in the disk shall be displayed on the interface, touch the chapter icon directly for playing.

📄 Access title menu

Press this button to return to title menu of the disk. Directly click menu bar at title menu interface for playing.

🔄 Repeat play

In playing state, touch this button to start repeat play function:

Chapter repeat → Title repeat → Repeat All → Off

🗨 During VCD playing, this function only works when PBC is off.

🗨 Language selection

Touch this button to select language.

🔢 Digit keyboard

Touch this button and digit keyboard shall appear, click number buttons directly to select tracks for playing.

🔄 Switch play order

Touch this button to switch the play order.

🔍 Zoom in/Zoom out image

Touch this button to zoom in /zoom out the image.

📐 Adjust screen angle

Touch this button to adjust screen angle.