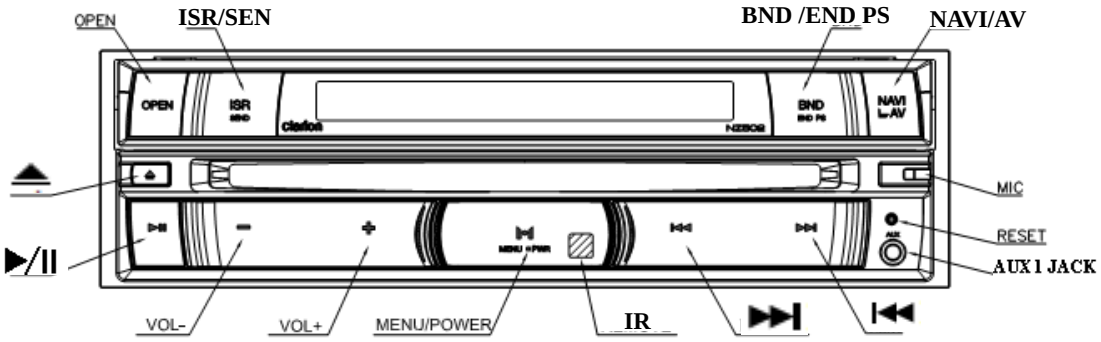
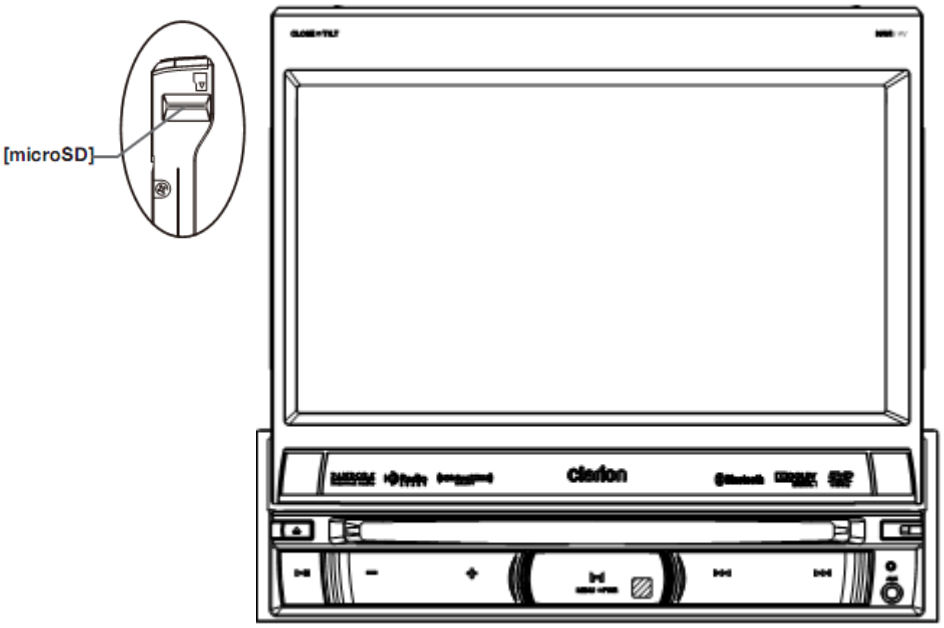
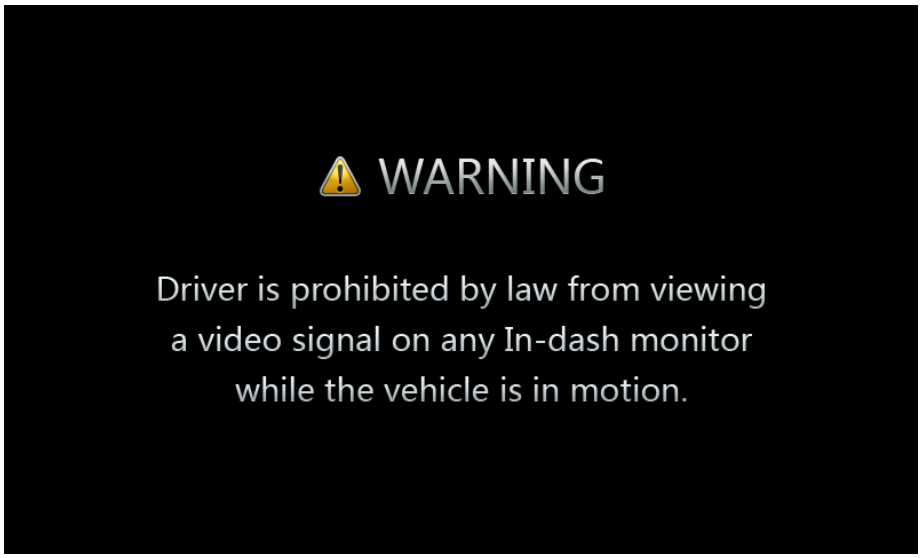
Operational Panel







Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particularinstallation. If this equipment does cause harmful interference to radio ortelevision reception, which can be determined by turning the equipment off andon, the user is encouraged to try to correct the interference by one or more of

the following measures:

- ☐ Reorient or relocate the receiving antenna.
- ☐ Increase the separation between the equipment and receiver.
- ☐ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ☐ Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC/IC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

IC Warning Statements:

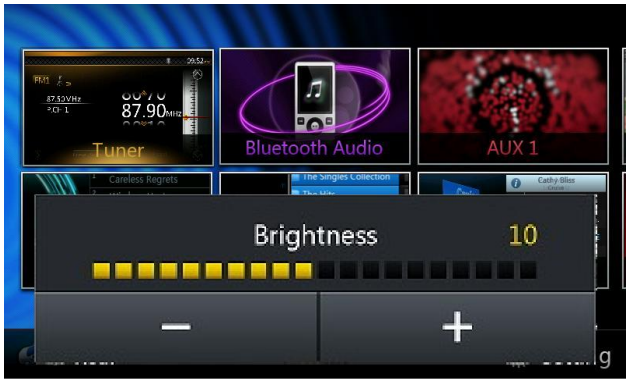
- English:
This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French:
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Functions of Buttons

[NAVI/AV] Button

• Press this button to enter navigation mode; press again to return current source.
• Press and hold this button for 3 seconds to display the brightness setting panel.



• Press this key to change display of sub LCD when panel is closed.

[⏏] Eject

• Press to eject disc from unit.

[MIC]

•Internal microphone for use during Bluetooth phone calls. Sensitivity can be adjusted from the Settings menu.

[RESET] Button

•Press this button to hardware reset the unit.

Note: *when the [RESET] button is pressed, frequencies of radio station, titles, etc.*

stored in memory are cleared.

[AUX1 JACK]
•AUX 1 Connector.

[⏮], [⏭] Buttons
• Press to search previous or next station or channel in Tuner, SiriusXM modes.
• Press to search previous or next track or chapter in CD, MP3/WMA, iPod and DVD video modes.
• Press and hold to fast forward or fast backward by 2x, 4x, 8x, 16x step in CD, MP3/WMA and DVD video modes.
• Press and hold to fast forward or fast backward in iPod mode.
• Press and hold to enter manual seek status in Tuner mode, then press briefly to seek station by step.

[⏯] Button
•Press to play/pause audio or video.
•Press to MUTE in Tuner mode.
•Press and hold to stop audio or video files.

[VOL+],[VOL-] Buttons
Press to increase and decrease volume.

[OPEN] Button
• Press this button to open/close TFT panel.
•Press and hold to enter TFT panel angle setting options.

[MENU/PWR] Button
• Press this button to display main menu, press again to return current source in power on mode.
• Press this button to turn on the power in power off mode.
• Keep pressing this button more than 2 seconds to turn off the power in power on mode.

[BND/END PS]Button
BND Function:
•Press this button to enter AM/FM tuner mode from any source.
• Once in AM/FM tuner mode, you can press into change bands among FM1, FM2, FM3,AM bands.
• Press and hold to start Preset Scan. Press again to stop.
END Function:
Only be available when a call incoming or in telephone talking.
• Press to reject call when a call incoming.
• press to end a call when in telephone talking.

[ISR/SEND] Button

ISR Function:

When in tuner mode, press and hold this button for 3 seconds to save current station and band to ISR memory, and at the same time, the tuner will enter ISR mode with current station.

Note:

In ISR mode, the tuning operation is disabled. Press this button again to quit ISR mode.

When in the other mode but not tuner mode, press this key will go to ISR memory station directly, it likes a shortcut. Press this key again to go back to previous mode.

SEND Function:

Only be available when there is a coming call.

• Press this key to accept the coming call.

•Press to switch to private mode when in talking.

[IR] SENSOR

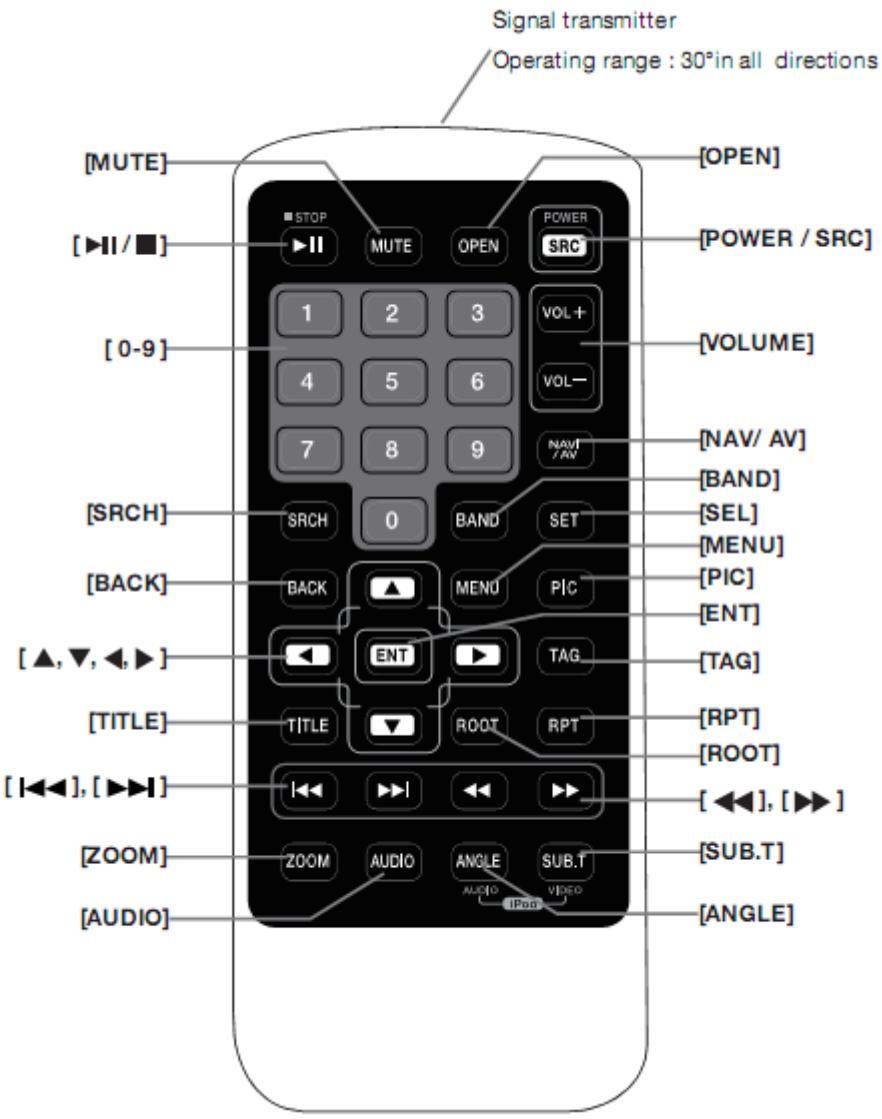
• Receiver for the remote control unit (operating range: 30 degree in all directions).

[microSD]

• Insert a microSD in this.

Note: *The microSD card is only for navigation. Please don't remove it. Otherwise, the navigation function will be disabled.*

Remote Control



Replacing the batteries

1. Press the retention tab and pull out the battery tray and remove the old battery.
2. Insert the new CR2025 battery and slide the battery tray back in the remote control the same direction that you removed it.

Please ensure the tray is inserted in the correct direction.

Note:

Using batteries improperly can cause them to explode. Take note of the following points:

- When replacing batteries, replace both batteries with new ones.
- Do not short-circuit, disassemble or heat batteries.
- Do not dispose of batteries into fire or flames.
- Dispose of spent batteries properly.

Note:

- The wireless remote control operation may not be optimal in direct sunlight.

Functions of Remote Control Buttons

[▶/❚❚/■] Button

• Press this button to play or pause video and audio media.

• Press this button more than 1 second to stop video and audio media.

•Press to MUTE in Tuner mode.

[MUTE] Button

Mute or unmute the speaker.

•The symbol on upper right area of the screen indicates that speaker is muted.

[POWER/SRC] Button

• Press this button to move the focus to next available source item on main menu.

• Press this button to power on when the unit is power off.

• Press this button more than 1 second to power off when the unit is power on.

[0 - 9] Buttons

• Use in the Key Pad screen to select the radio or Satellite Radio.

• Use to select the track in the track list screen.

• Press to enter DVD video chapters/titles in the Key Pad screen.

[VOLUME] Buttons

Press to increase and decrease volume.

[NAVI/AV] Button

Press this button to switch between current source and current position on navigation map.

[SRCH] Button

Press this button to open chapter or title search window while playing DVD.

[BAND] button

Switch to next band alternately.

[SET] Button

Press this button to open the Audio setting menu in any mode.

[BACK] Button

Press this button to quit main menu if current screen is main menu.

[▲, ▼, ◀, ▶] Buttons

• Press this button for cursor movement in main menu or Setting mode.

From the main menu, you can select your desired source or change your settings.

• Press this button for cursor movement in DVD Menu.

[MENU] Button

Press this button to enter the MAIN MENU or return current resource.

[PIC] Button

Press this button to change your monitor brightness.

[ENT] Button

Press to fix the entered data in the Key Pad screen or enter the item the cursor is on.

[TAG] Button

• Press this button to record TAG in HD Radio mode .

[TITLE] Button

Press to go to the title menu on the DVD.

[ROOT] Button

Press to go to the root menu on the DVD.

[RPT] Button

• Press to perform repeat chapter / repeat title / repeat off while playing DVD mode.

• Press to perform track repeat/repeat All while playing CD.

• Press to perform repeat track /repeat folder/ repeat All while playing MP3/WMA, or video files on disc.

• Press to perform repeat track /repeat folder while playing MP3/WMA, or video files in USB memory.

• Press to perform repeat one /repeat all/ repeat off in iPod mode.

[⏮] Button

• Press to seek the next available lower station in Tuner , SiriusXM modes.

• Press to select the next lower chapter number in DVD video mode.

• Press to select the next lower track in DVD Audio, CD,USB Video, USB Audio ， iPod Audio, iPod Video mode.

• Press to play from beginning of current track in DVD Audio, CD,USB Video, USB Audio ,iPod Audio, iPod Video mode.(In play for 2 seconds)

• Press for movement of background source in Navigation mode.

[⏭] Button

• Press to seek the next available higher station in Tuner , SiriusXM modes.

• Press to select the next higher chapter number in DVD video mode.

• Press to select the next higher track in DVD Audio, USB Video, USB Audio ， iPod Audio, iPod Video mode.

• Press for movement of background source in Navigation mode.

[◀◀], [▶▶] Buttons

• Press to manually select the next higher or lower station in Tuner mode.

• Press to perform fast-forward or fast-backward searching in DVD or USB mode, press again to change the speed to 2x, 4x, 8x or 16x.

•Press to perform fast-forward or fast-backward searching in iPod mode.

• Press for movement of background source in Navigation mode.

[ZOOM] Button

Press to turn on and zoom in while playing DVD. You can zoom in up to 3x. (No all DVD disc supports this function)

[AUDIO] Button

Press to switch the AUDIO channel of the disc while playing DVD.

[SUB-T] Button

• Press to switch next available subtitle while playing DVD.

•Press to display Video menu in iPod mode.

[ANGLE] Button

• Press to switch the different ANGLE while playing DVD. (No all DVD disc supports this function)

• Press to display Audio menu in iPod mode.

[OPEN] Button

Press this button to OPEN or CLOSE the TFT panel. Please ensure there are no obstructions before starting the operation.

MAIN MENU

1- Tuner---Press the button to display the Tuner mode.
2- Disc Audio---Press the button to display the Disc Audio mode.
3- SiriusXM---Press the button to display the SiriusXM mode.
4- Pandora--- Press the button to display the Pandora mode.
5- USB Audio---Press the button to display the USB Audio mode.
6- iPod Audio---Press the button to display the iPod Audio mode.
7- Rear Button---Press the button to display the rear menu.
8- Setting Button---Press the button to display the setting menu.
9- AUX1---Press the button to display the AUX1 mode.
10- Disc Video---Press the button to display the Disc Video mode.
11- AUX2---Press the button to display the AUX2 mode.
12- Camera---Press the button to display the Camera mode.
13- USB Video---Press the button to display the USB Video mode.
14- iPod Video---Press the button to display the iPod Video mode.
15- Navigation---Press the button to display the Navigation mode.
16- Telephone---Press the button to display the Telephone mode.
17- Bluetooth Audio---Press the button to display the Bluetooth Audio mode.
18- Rear Disc Video---Press the button to display the Rear Disc Audio mode.
19- Rear AUX1 ---Press the button to display the Rear AUX1 mode.
20- Rear iPod Video---Press the button to display the Rear iPod Video mode.
21- Front Button---Press the button to display the front main menu.
22- Rear AUX2 ---Press the button to display the Rear AUX2 mode.
23- Zone Off---Press the button to close the rear activity.

Scrolling the menu

Press screen and scrolling to right or left，it will switch to next or previous page of Main Menu.

Moving the menu position

1. Press any quadrate icon on Main Men more than 2 seconds, the icon will float on Main Menu.
2. Scrolling the floating icon to any position you want.

DVD Video Player Operations

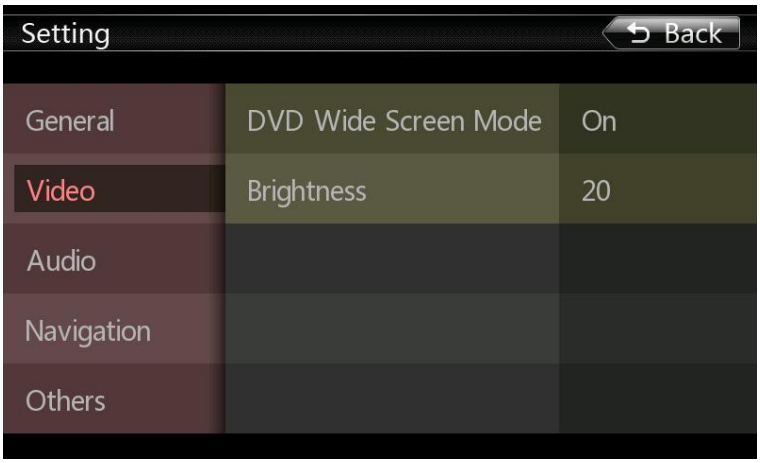
Change DVD System Settings

Note:

If the setup operation is performed in the middle of DVD video play, the disc will restart from the beginning.

Selecting DVD Setup Menu

1. Press the **[Setting]** button on the Main Menu to access the Video setup menu.
2. Press **[Video]** button. The video menu is displayed.



Setting up the Screen Size

Press the **[DVD Wide Screen Mode]** button to turn on or turn off the DVD wide screen mode.
The factory default setting is “On”
Note: Not all DVD disc support this function.

Setting up the password for parental level control

The factory default pass code is "0000".

1. In **Main Menu** press **[Setting]** button. Press **[Others]** button on the display. Touch the **[Set Password]** ---- and a numerical key pad will appear.

Input a new password and touch the [**OK**] key. Input the same new password again, and touch the [**OK**] key.

Note: When a disc with view restrictions is inserted, you will be prompted to input this password. The disc will not be viewable until the correct password is entered.

Set rating for parental level control

1. Select **Others** screen while in **Setting** mode.
2. Press **[Parental Control]** button.
3. Enter right password.
4. Press the desired rating for level control. Use this table to set the parental level.

Kid Safe	Kid Safe
G	General Audiences
PG	Parental Guidance Suggested
PG-13	Parents Strongly Cautioned
PG-R	Parental Guidance Restricted
R	Restricted
NC-17	No One 17 And Under Admitted
Adult	Only Adult

• The contents that the parental level restricts vary with the country code.

Note: The rating can be selected only under the password unlocked status, and the limits can be set only under the password locked status.

Watching to a disc

1. To load a disc:
   Insert the disc into the center of the insertion slot the label side facing up.

⚠ CAUTION

For your safety, the driver should not insert or eject a disc, or operate the controls while driving.

Note:

• Never insert foreign objects into the disc insertion slot.

• If the disc is not inserted easily, there may be another disc in the mechanism or the unit may require service.

• 8cm (single play) discs cannot be used.

2. Disc starts playing automatically.

⚠WARNING

Some videos may be recorded at higher than desired volume levels. Increase the volume gradually from the minimal setting after the video has started.

Ejecting a disc

1. To eject a disc press eject **[⏏]** button. The play mode then switches to the Tuner mode.

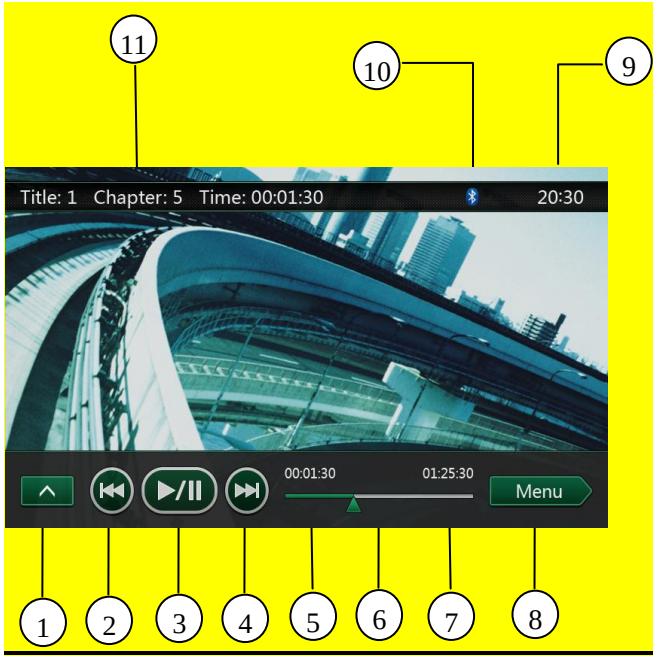
If the disc is left in the ejected position for 15 seconds, the disc is automatically reloaded. In this case, the play mode will remain in the Tuner mode.

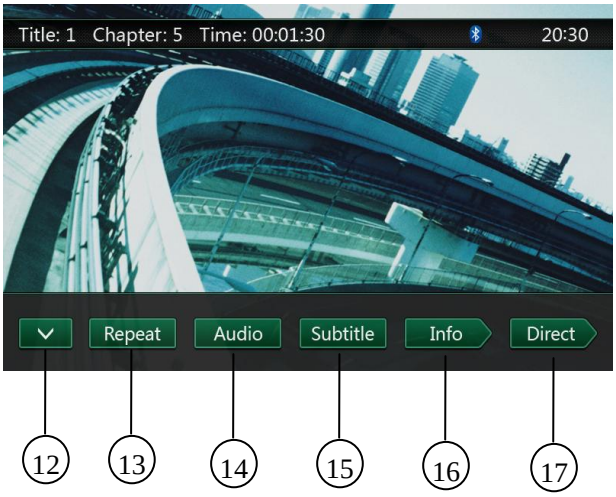
Note: If you force a disc into before auto reloading, it may damage a disc.

Showing DVD Player mode screen

After disc is loaded, the play mode is automatically engaged.

Touch any place of the screen to display DVD Video menu，touch the screen again to return playback screen. The display will return to the playback screen, if you do not touch the screen for 10 seconds.





1 - Next page Buttons
2 - Previous Track /Fast Backward Button
3 - Play/Pause Button
4 - Next Track/Fast Forward Button
5- Elapsed playing time
6- Seek bar
7- Total time
8- Menu Button
9- System time
10- Bluetooth status
11- DVD playback info
12- Previous page Button
13- Repeat switching Button
14- Audio Channel switching Button
15- Subtitle switching Button
16- INFO Button
17- Direct chapter or title searching Button

Operate the DVD Player menu

You can select the button items displayed in the DVD menu by directly touching it.

Play/Pause Playback

1. Touch [ ] button to pause during playback.

2. Touch [ ] button again to resume playback.

Skip (Search) a Chapter

Press **[** **]** or **[** **]** button during playback.

Chapters are skipped down or up from current locations, as many times as the button is pressed, and playback starts.

Skip use seek bar

Press the triangle [▲] on seek bar and drag it to any position where you want to start playback.

Fast Forward/Fast Backward

Press [⏮] or [⏭] button and hold 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x. Release the button will continue playing with normal speed.

2. [◀◀] or [▶▶1] button on remote control can also be used to start fast backward or fast forward during playback.

Note:

*No audio is reproduced during fast forward and fast backward operation.

*The fast forward and fast backward speed may differ depending on the disc.

Stop Playback

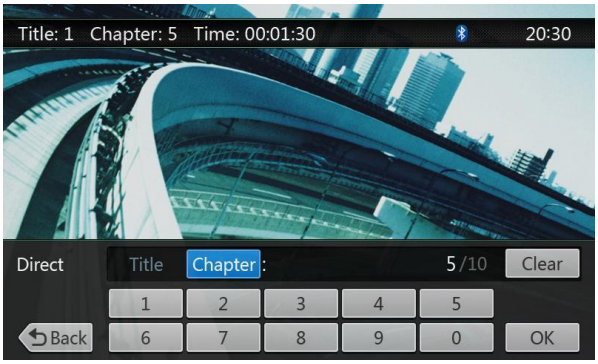
1. Press the [■] button on remote control more than1 second. Playback is stopped.
2. To resume playback, press the [▶/❚❚] button.

Playback resumes from current playing time.

Search with a Chapter/Title Number

You can locate the beginning of a scene using the chapter numbers or title numbers recorded on the DVD Video disc.

1. Showing the DVD Video menu, touch **[**Direct**]** button. The Key Pad screen appears with the chapter/Title number input mode.



Touching **[**Chapter**]** button turns the Key Pad to the chapter number input mode.

Touching **[**Title**]** button turns the Key Pad to the title number input mode.

• Title
A large segment to divide the data area of the disc.
• Chapter
A small segment to divide the data area of the disc.
2. Input the number of the title/chapter that you want to play with the [0] to [9] key.

3. Touch the **[** OK **]** button.

Playback starts from the scene of the input title number or chapter number.
NOTE:
*If the input title/chapter number does not exist or searching with a title/chapter number is not allowed, the screen image will not change.

4. Touch **[** Back **]** button to close the key pad.

Repeat Playback

This operation plays back chapters recorded on the DVD-Video repeatedly.

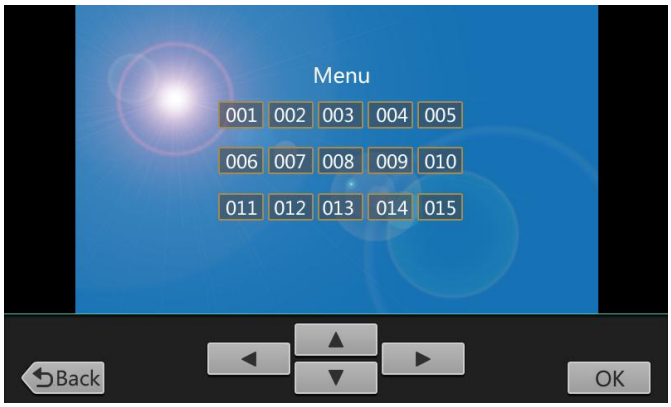
1. Showing the DVD Video menu, touch **[** Repeat **]** button.

2. Touch **[** Repeat **]** key once for Repeat Chapter, again for Repeat Title.

3. Press **[** Repeat **]** button again to turn off the repeat playback.

Using the Title Menu

On DVD discs containing two or more titles, you can select from the title menu for playback.



1. Showing the DVD Video menu, touch **[** Menu **]** button during playback.

The title menu screen appears.
*Depending on the disc, the title menu may not be called.
2. Touch the title menu screen.

3. Select the items in the title menu screen by directional buttons.

*Depending on the disc, items may not be selected with the directional buttons.

4. Touch **[** **]** button to fix on the selected item.

5. Touch **[** **]** button.

Switching Audio

On discs in which two or more audios or audio languages have been recorded, you can switch among the audio languages during playback.

1. Showing the DVD Video menu, touch **[** **]** button during playback.

• Each time you touch the button, you can switch among audio languages.
• It may take time to switch among audios.
* Depending on the disc, up to 8 kinds of audios may be recorded. For details, see the mark of the disc: (Indicates that 8 audios have been recorded).
* When the power is turned on and when the disc is changed to a new one, the language set as the factory default is selected. If that language has not been recorded on disc the language is specified on the disc.
* Depending on the disc, switching may be completely impossible or impossible on some scenes.

Switching Subtitles

On DVD discs in with two or more subtitle languages have been recorded, you can switch among the subtitle languages during playback.

1. Showing the DVD Video menu, touch **[** **]** button to select a subtitle during playback. Each time you touch the key, you can switch among subtitles.
• It may take time to switch among subtitles.
* Depending on the disc, up to 32 kinds of subtitles may be recorded. For details, see the mark of the disc: (Indicates that 8 kinds of subtitles have been recorded).
* Depending on the disc, switching may be completely impossible or impossible on some scenes.

2. To turn off subtitles, repeat touching **[** **]** button until subtitles are turned off.

Displaying the playback status

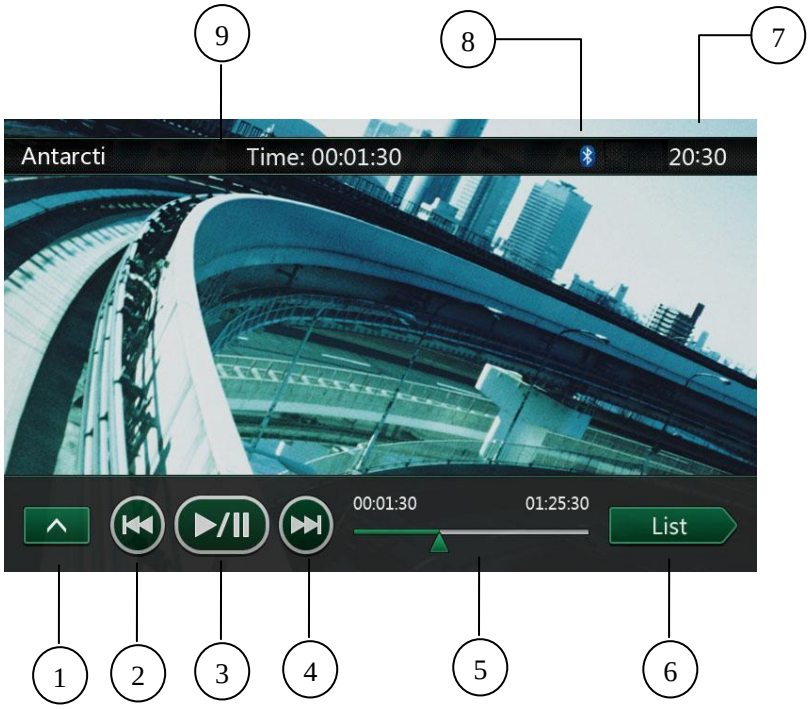
Touch **[** **]** button on DVD Player mode screen, Playback status is displayed on screen.

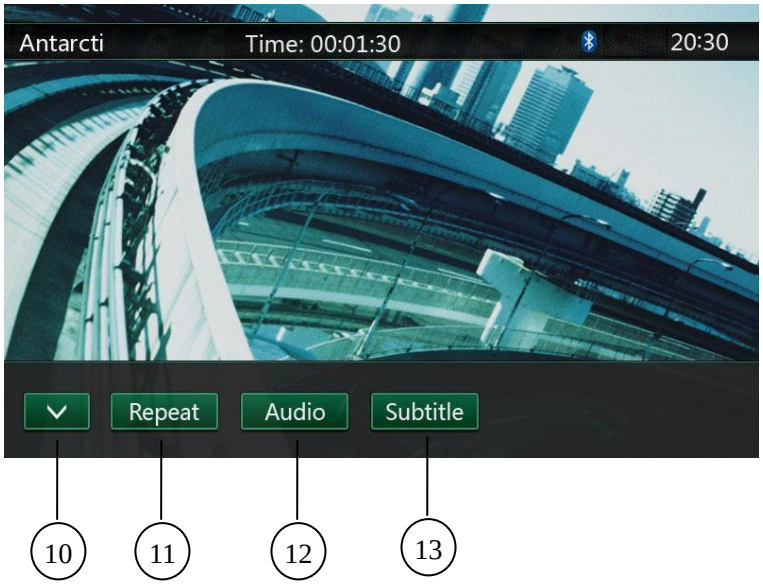
Play disc video files

This system can play video files (AVI/MP4, etc) stored on disc.

Showing video files Player mode screen

1. After disc with video files is loaded, touch **[Disc Video]** button on Main Menu to show video files player mode screen.
2. Touch the screen of the playing video file to display Video files player menu，touch the screen again to return the playback screen. The display will return to the playback screen, if you do not touch the screen for 10 seconds.





1 - Next page Button
2 - Previous Track /Fast Backward Button
3 - Play/Pause Button
4 - Next Track/Fast Forward Button
5- Elapsed playing time /Seek bar
6- List Button
7- System time
8- Bluetooth status
9- Playback info
10- Previous Row Buttons
11- Repeat Button
12- Audio Button
13- Subtitle Button

Operate the Video files Player menu

You can select the button items displayed in the Video files player menu by directly touching it.

Play/Pause Playback

1. Touch **[** **]** button to pause during playback.

2. Touch **[** **]** button again to resume playback.

Switch to Previous/next file

1. Press [ ] or [ ] button during playback to play previous /next file.

Note: If play more than 2 seconds, press [ ] button will play from start of current track.

Skip using seek bar

Press the triangle on seek bar and drag it to any position where you want to start playback.

Fast Forward /Fast Backward

1. Press [ ] or [ ] button and hold 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x. Release the button will continue playback with normal speed.
2. [ ] or [ ] button on remote control can also be used to start fast backward or fast forward during playback.

Note:
*No audio is reproduced during fast forward and fast backward operation.
*The fast forward and fast backward speed may differ depending on the disc.

Stop Playback

1. Press the [■] button on remote control more than1 second. Playback is stopped.
2. To resume playback, press the [►/▮▮] button.
Playback resumes from current playing time.

Repeat Playback

This operation plays back video files recorded on the disc repeatedly.
* The repeat set as the factory default is Repeat all.

1. Showing the video files player menu, touch **[**

] button.

2. Touch **[**

] button once for Repeat Track, again for Repeat Folder.

3. Press **[**

] button again for Repeat All.

Switching Audio

Some video files movie will have two or more audio channels; you can switch among the audio channels during playback.

1. Touch **[**

] button during playback.

• Each time you touch the button, you can switch among audio languages.
• It may take time to switch among audios.
* Depending on the disc, switching may be impossible.

Switching Subtitles

Some video files will have two or more subtitles have been recorded; you can switch among these subtitles during playback.

1. Touch the **[**

] button to select a subtitle during playback.

• Each time you touch the key, you can switch among subtitles.
• It may take time to switch among subtitles.
*Depending on the disc, switching may be impossible.

Video files list

Showing the Video files player menu; touch the **[**

] button to display video files list screen.
Video files list operations is almost same as Disc Audio player mode. Please refer to

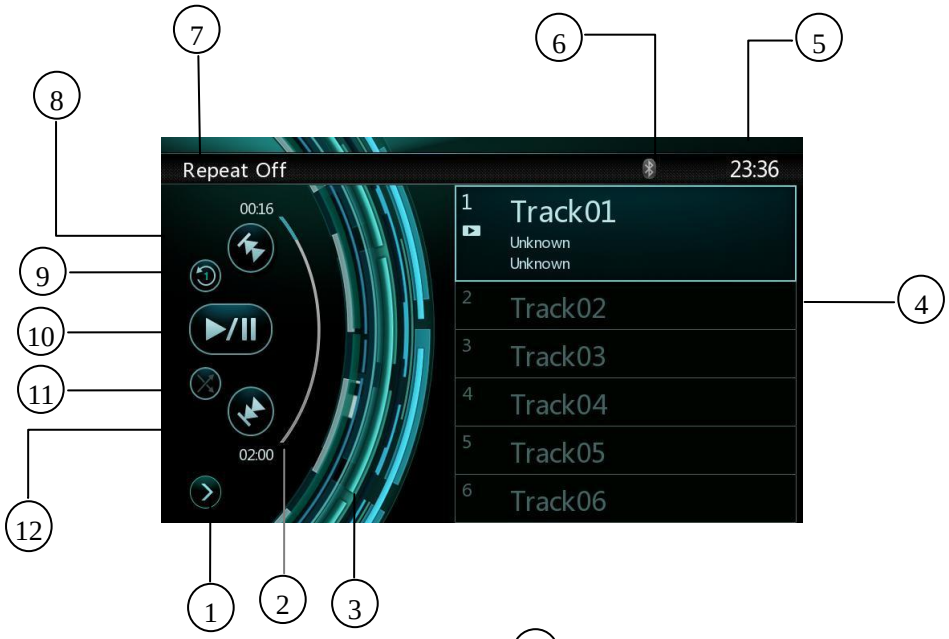
DVD Audio Player Operations

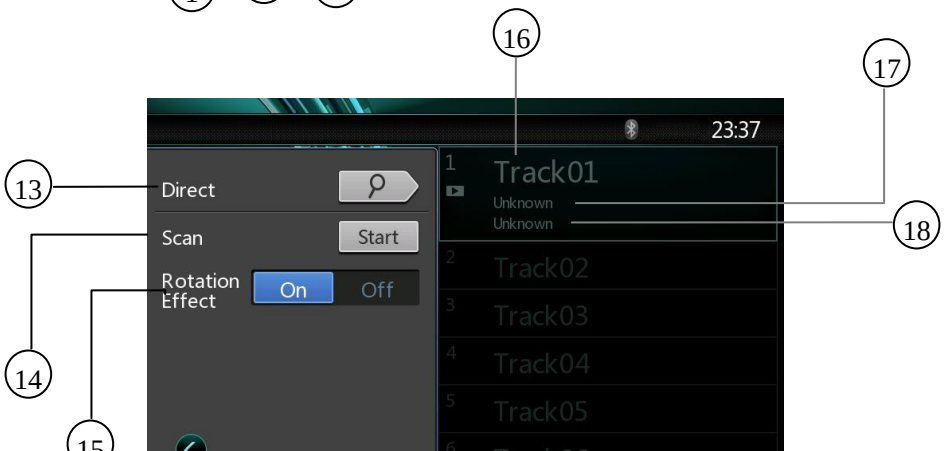
Listening to a disc/Ejecting a disc

Please refer to **Disc Video Player Operations -watching to a disc** and **Ejecting a disc**.

Showing CD Player mode screen

1. After disc is loaded, the play mode is automatically engaged.
2. If disc have been loaded you can touch Disc Audio button on main menu to display CD player mode screen.





1 -Open option menu Button
2- Elapsed playing time indicator
3- Rotation effect
4- Audio files or CD tracks.
5- System time
6- Bluetooth status
7- Playback status
8- Previous Track /Fast Backward Button
9- Repeat Button
10- Play/Pause Button
11- Random Button
12- Next Track/Fast Forward Button
13- Direct Searching Button
14- Scan Start/Stop Button
15- Rotation Effect On/Off Button
16 - Song Title
17 - Artist Information
18 - Album Information
19- Close option menu Button

Operate the CD Player menu

You can select the button items displayed in the CD player menu by directly touching it in list.

Play/Pause Playback

1. Touch **[** **]** button to pause during playback.

2. Touch **[** **]** button again to resume playback.

Switch to Previous/next file or track

Press **[** **]** or **[** **]** button during playback to play previous /next file.

• Pressing **[** **]** button starts playback from the beginning of the next track.

•Pressing **[** **]** button starts playback from the beginning of the current track. When this button is pressed again within 2 seconds, playback starts from the beginning of previous track.

Fast Forward /Fast Backward

1. Press **[** **]** or **[** **]** button and hold more than 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 1 6x .Release the button will continue playback with normal speed.
2. [◀◀] or [▶▶] button on remote control can also be used to start fast backward or fast forward during playback.

Note:

*The fast forward and fast backward speed may differ depending on the disc.

Repeat Playback

* The repeat set as the factory default is Repeat All.

Touch the **[** **]** button switch between Repeat All and Repeat Track.

Random Playback

1. Touch **[** **]** button to random the tracks during playback.
2. Touch this button again to turn off the feature.

Stop Playback

1. Press the [■] button on remote control more than 1second. Playback is stopped.
2. To resume playback, press the [▶/❚❚] button.

Playback resumes from current playing time.

Selecting a track on the Track List Screen

This function allows you to select tracks from a displayed list.

1. Touch the track title on the display list. The selected track will start playing.
2. When the desired track is not displayed, press and flick the track list up or down.
3. Touch the desired track title key. The corresponding track is started playback.

Scanning the Tracks

1. Touch [ ] button to show **[Scan** **]** button.
2. Touch **[Scan** **]** button during playback.

• It will play from next track, and each track will display for 10 seconds.

• The **[Scan** Start **]** button will switch to **[Scan** Stop **]** button.

3. Touch **[Scan** Stop **]** button.

• It will continue playback from current track.

• **[Scan** Stop **]** button will switch to **[Scan** Start **]** button**.**

*The function will scan all tracks orderly in current folder. After Scan stopped playback will continue.

Searching with the Track Number

This operation allows searching using the track numbers recorded on the CDs.

1. Touch **[** **]** Button to show **[** **]** button.

2. Touch **[** **]** button .The numerical keypad will appear on the screen.

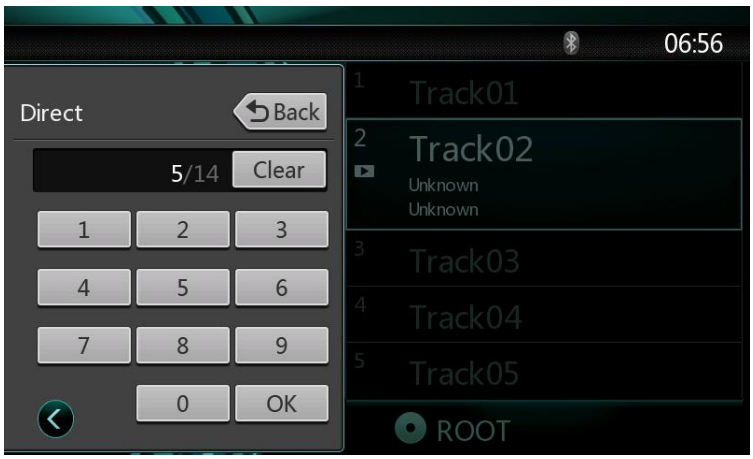
3. Input the track number that you want to playback with [0] to [9] key and touch **[** OK **]** button.

Playback starts from the track of the input track number.

• If the input track number does not exist or searching with track number is not allowed, the screen image will not change.

• Touch the **[** Back **]** button will close the numerical keypad.

• Touch **[** **]** Button will close the option window and display playback screen.



Rotation Effect On/Off

This operation allows turn on/turn off rotation effect.

* The factory default is On.

1. Touch **[** **]** Button to show **[Rotation effect]** button

2. Press button [ ] will turn on the Rotation effect.

3. Press button [ ] will turn off the Rotation effect.

Listening To MP3/WMA

This unit is an ID3 Tag compatible model.
This unit supports the ID3 TAGs of the Version 2.4, 2.3, 1.1 and 1.0.
In displaying, this unit gives priority to the Version 2.3 and 2.4 TAGs.
Note:
• Some CDs recorded on CD-R/RW mode may not be usable.

Displaying MP3/WMA TAG titles

Tag information such as title, artist and album title can be displayed for MP3/WMA file containing Tag information.

Precautions when creating MP3 disc

• File extensions
1. Always add a file extension ".MP3" or ".mp3" to an MP3 file, and ".WMA" or ".wma" to a WMA file by using single byte letters. If you add a file extension other than specified or forget to add these file extension, the file cannot be played. In addition, if you use upper case and lower case letters (capital and small letters) mixed for file extensions, normal play may not be possible.
2. Files other than MP3/WMA data cannot be played.
Playing files with a format not supported will be skipped, and the scan, random and repeat playback mode may be canceled.
• File and Disc Not Supported
Files and discs with following extensions are not supported: *.AAC, *.DLF, *.M3U, *.PLS, *.MP3 PRO files, files with DRM, open session discs.
• Logical format (File system)
1. When writing an MP3/WMA file on a disc, please select **"ISO9660 level 1 or level 2(without including expansion format)"** as the writing software format. Normal playback may not be possible if the disc is recorded on another format.
2. The folder name and file name can be displayed as the title during MP3/WMA play but the title must be within 31 single byte alphabetical letters and numerals for the folder name and file name (including an extension). Entering more letters or numerals than specified may cause an incorrect display.
• Entering File and Folder Names
Names using the code list characters are the only file names and folder names that can be entered and displayed. Using any other character will cause the file and folder names to be displayed incorrectly.

• Electronic Shock Protection

10 seconds for CD-DA (CDA)

45 seconds for MP3 recorded at 44.1 kHz, 128 kbps

90 seconds for WMA recorded at 44.1 kHz, 128 kbps

• Folder structure

1. A disc with a folder having more than 8 hierarchical levels will conflict with the ISO9660 and playback will be impossible.

• Number of files or folders

1. The maximum allowable number of folders is 255 (including root directory); the maximum allowable number of files is 512 (max. 255 per folder). This represents the maximum number of tracks that can be played back.

2. Tracks are played in the order that they were recorded onto a disc. (Tracks might not always be played in the order displayed on the PC).

• Some noise may occur depending on the type of encoder software used while recording.

• In case of a track recorded at VBR (variable bit rate), the display for the play time of the track may be slightly different from the actual play time. Also, the recommended value of VBR ranges from 32 kbps to 320 kbps.

• After disc selection, the play mode is automatically engaged.

• Playing MP3 folders

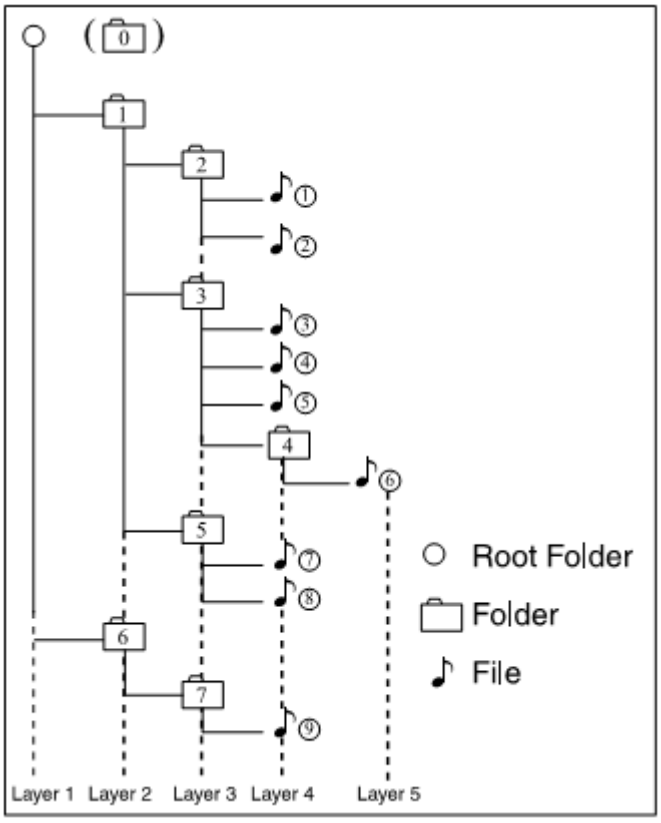
When selected for play, files and folders (Folder Search, File Search or Folder Select) are accessed in the order in which they were written to the media.

As a result, the order in which they are expected to be played may not match the order in which they are actually played.

You may be able to set the order in which MP3/WMA files are to be played by assigning file names beginning with play sequence numbers such as “01” to “99”.

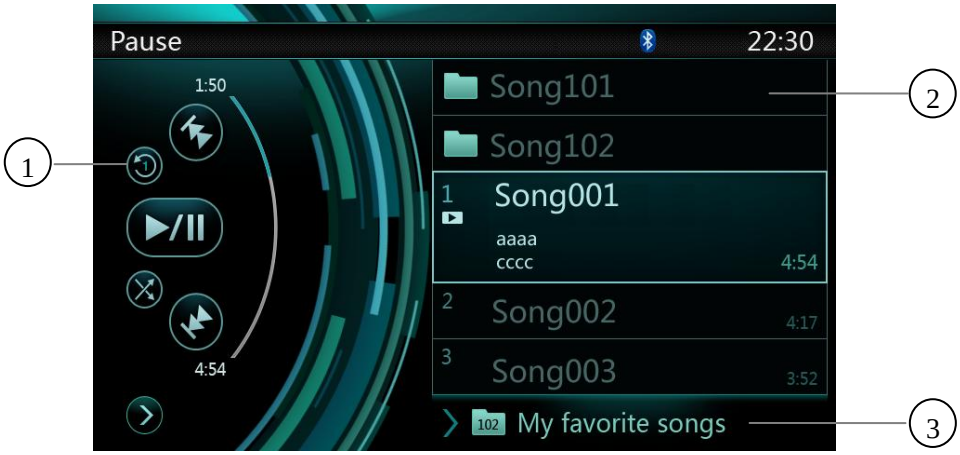
For example, a medium with the following folder/ file hierarchy is subject to Folder Search, File Search or Folder Select.

See the diagram below.



The player will only recognize three folder levels and does not display folders containing other folders. In the example above, the unit will display folders 2, 3, 5 and 7, but 1 and 6 since they do not contain others.

Playback MP3/WMA menu



1. **Repeat Playback**

While playing MP3/WMA touch button can switch between Repeat Folder, Repeat All and Repeat Track.

2. Folder

Touch the folder title on the display list, the file list will display files and folders in selected folder.

3. Current Folder

• Showing title of current folder.

• The number on the folder symbol is the number of files and folders number in current folder.

• Touch the title of current folder, play list will show files and folders in upper folder.

Stop Playback

1. Press the [■] button on remote control more than 1second. Playback is stopped.

2. To resume playback, press the [▶/II] button.

Playback resumes from current playing time.

*Other operations about playing MP3/WMA are almost same as CD Player mode.

USB Audio Operations

This system can play audio files (MP3/WMA) stored in an USB memory which is recognized as "USB Mass Storage Class device". You can use your USB memory as an audio device by simply copying desired audio files into it.

Note:

• This system will not operate or may operate improperly with some USB memory.

• Files protected with any DRM cannot be played.

Notes on using USB memories

• General notes

- When no support files, the file list display nothing.

• Notes on the MP3/WMA files

- This system can play the MP3/WMA files stored in the USB memory.
- Set the Sampling Frequency to:

  For MP3 files:
  - MPEG1 Layer3: 32, 44.1, or 48 kHz
  - MPEG2 Layer3: 16, 22.05, or 24 kHz
  - MPEG2.5 Layer3: 8, 11.025, or 12 kHz

  For WMA files: 32, 44.1, or 48 kHz
- Set the Bit Rate to:

  For MP3 files:
  - MPEG1 Layer3: 32 to 320 kbps (VBR)
  - MPEG2 Layer3: 16 to 160 kbps (VBR)
  - MPEG2.5 Layer3: 16 to 160 kbps (VBR)

For WMA files: 32, 48, 64, 80, 96, 128, 160, or 192 kbps

• Add the following file extension using single byte characters:
For MP3 files: ".MP3" or ".mp3"
For WMA files: ".WMA" or ".Wma"

• Notes on the folder structure

• The folder hierarchy must be within 8 hierarchical levels. Otherwise, playback may be impossible.

• The maximum allowable number of folders is 65535 (including root directory and folders with no MP3/WMA file).

• The maximum allowable number of files in a folder is 65535.

• You can store the MP3 files, WMA files together in a folder.

• The system may become slow if the files or folders exceed the limitation above.

• Notes on the Tag titles

The limitations on the Tag titles are same as those in DVD Audio Player mode.

Select USB Audio mode

Connect your USB memory with MP3/WMA files to the USB connector. The system will automatically detect the connected device, and the **[USB Audio]** button on main menu will be enabled.

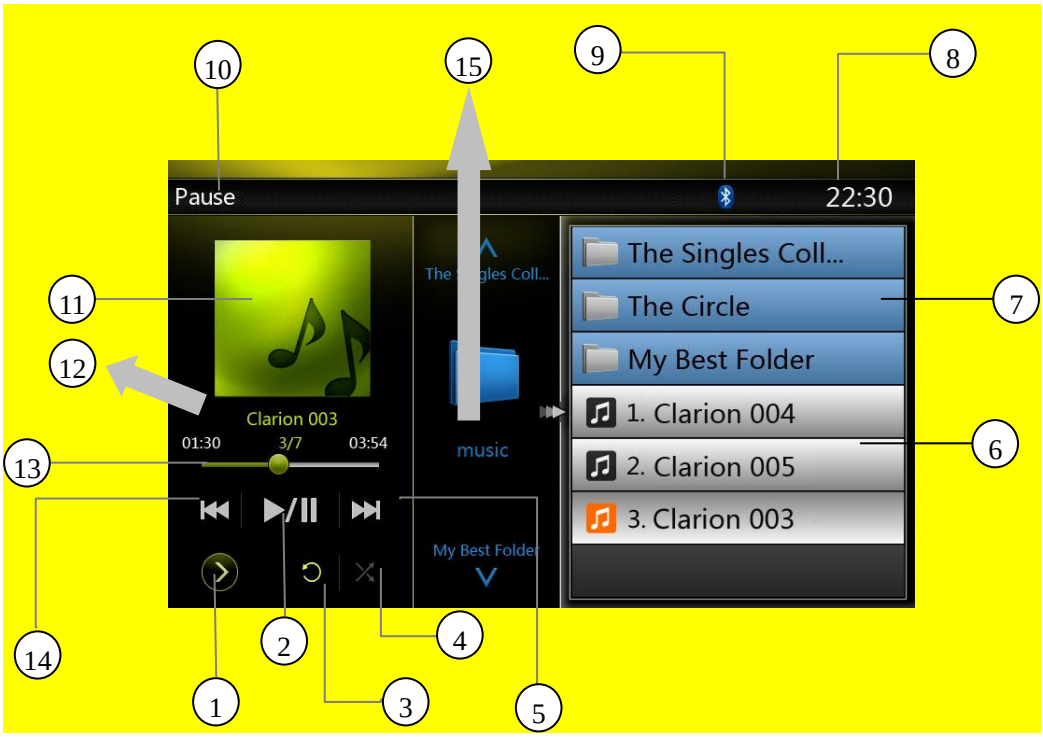
• When an USB memory is already connected

Touch **[USB Audio]** button to select the USB Audio mode.

The system changes to the USB Audio mode and starts playback from the previous position or from the beginning.

NOTE:

If you reconnect the same device that you disconnected last, the system will playback where it left off.



1 -Open option menu Button
2- Play/Pause Button
3- Repeat Button
4- Random Button
5- Next Track/Fast Forward Button
6- MP3/WMA files in list
7- Folders in list
8- System time
9- Bluetooth status
10- Playback status info
11-Album Art

12- Current ID3 info area
13- Elapsed playing time indicator/Seek bar
14- Previous Track /Fast Backward Button
15- Folders browse control
16- Scan Button
17- Direct Button
18 - Close option menu Button

Playing MP3/WMA files in USB memory

Play/Pause Playback

1. Touch **[⏯]** button to pause during playback.
2. Touch **[⏯]** button again to resume playback.

Switch to Previous/next file

Press **[⏮]** or **[⏭]** button during playback to play previous /next file.
• Pressing **[⏭]** button starts playback from the beginning of the next track.
• Pressing **[⏮]** button starts playback from the beginning of the current track; when this button is pressed again within about 5 seconds, playback starts from the beginning of previous track.

Fast Forward /Fast Backward

1. Press **[⏮]** or **[⏭]** button and hold more than 2 seconds to start fast backward or fast forward during playback. The playback speed starts at 2x, then will increase to 4x, 8x, and 16x .Release the button will continue playback with normal speed.
2. [◀◀] or [▶▶] button on remote control can also be used to start fast backward or fast forward during playback.

Note:
*The fast forward and fast backward speed may differ depending on the audio files.

Repeat Playback

* The repeat set as the factory default is Repeat Folder.

Touch the **[🔁]** button once for Repeat Track, again for Repeat Folder.

Note: The repeat in all USB files function is not available.

Stop Playback

1. Press the [■] button on remote control more than 1second. Playback is stopped.

2. To resume playback, press the [▶/⏸] button.

Playback resumes from current playing time.

Random Playback

1. Touch **[** **]** button to random the tracks in playing folder during playback.

2. Touch this button again to turn off the feature.

Album Art work

If current audio file contains album art image in ID3, the picture will be displayed in this area.

ID3 info area

This area display ID3 info of playing file: song title, artist information, album information, number of current file/total number in current folder, elapsed playing time/total time of current file.

Skip use seek bar

Press on seek bar and drag it to any position where you want to start playback.

Select a folder on display list

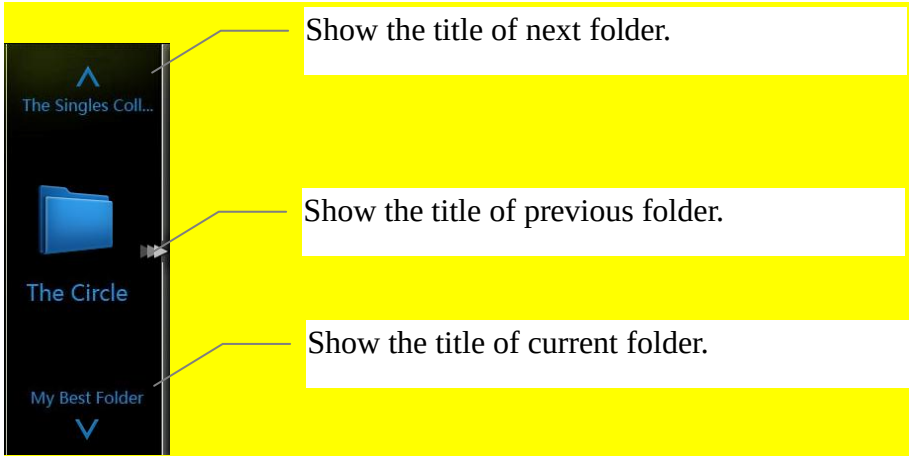
Touch the folder title on the display list, the display list will display files and folders in selected folder.

Selecting a track on the display List

This function allows you to select tracks from a displayed list.
1. Touch the track title on the display list. The selected track will start playing.
2. When the desired track is not displayed, press and flick the track list up or down.
3. Touch the desired track title key. The corresponding track is started playback.

Folders browse control

Flick up and down in this area will browse previous or next folder in current folder. Flick left or right will enter this folder or back to the father folder.



Scanning the Tracks

1. Touch [ ] Button to show **[Scan** Start **]** button.

2. Touch **[Scan** Start **]** button during playback.

• It will play from next track, and each track will display for 10s.

• The **[Scan** Start **]** button will switch to **[Scan** Stop **]** button.

4. Touch **[Scan** Stop **]** button.

• It will continue playback from current track.

• **[Scan** Stop **]** button will switch to **[Scan** Start **]** button**.**

*The function will scan all tracks orderly in current folder. After Scan stopped playback will continue.

Searching with the Track Number

This operation allows searching using the track numbers in playing folder.

1. Touch [ ] Button to show **[** **]** button.

1. Touch **[** **]** button .The numerical keypad will appear on the screen.

2. Input the track number that you want to playback with [0] to [9] key and touch **[** OK **]** button.

Playback starts from the track of the input track number.

• If the input track number does not exist or searching with a track number is not allowed, the screen image will not change.

• Touch **[** Back **]** button will close the numerical keypad.

• Touch **[** **]** Button will close the option window and display playback screen.

USB Video Operations

This system can play USB video files (MP4, 3GPetc) stored in an USB memory which is recognized as "USB Mass Storage Class device" You can use your USB memory as an audio device by simply copying desired audio files into it.

Note:

• This system will not operate or may operate improperly with some USB memory.

• Files protected with any DRM cannot be played.

Notes on using USB memories

• General notes

• When no support files, the file list display nothing.

• Notes on the folder structure

The limitations on the folder structure are same as those in USB Audio Player mode.

• Notes on the Tag titles

The limitations on the Tag titles are same as those in DVD Audio Player mode.

Select USB Video mode

Connect your USB memory with video files to the USB connector. The system will automatically detect the connected device, and the **[USB Video]** button on main menu will be enabled.

• When an USB memory is already connected

Touch **[USB Video]** button on main menu to select the USB Video mode.

The system changes to the USB Video mode and starts playback from the previous position or from the beginning.

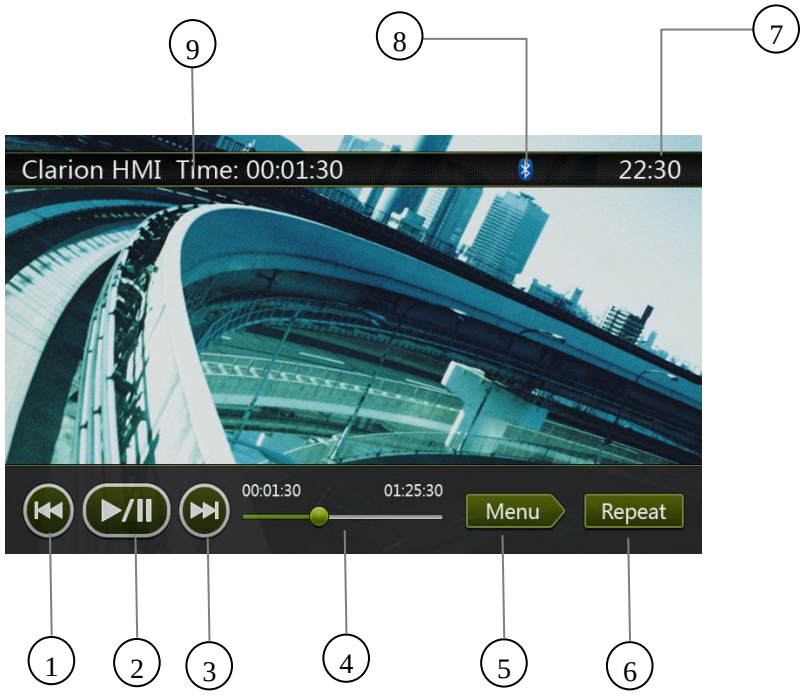
NOTE:

If you reconnect the same device that you disconnected last, the system will playback where it left off.

Playing video files in USB memory

If the video is playing, touch the screen of the playing video to display Operation buttons.

* The display will return to the playback screen, if you do not touch the screen for 10 seconds.



1-Previous Track Button
2- Play/Pause Button
3- Next Track Button
4-Elapsed playing time indicator/Seek bar
5-Menu Button (Go to list menu mode)
6- Repeat Button
7- System time
8- Bluetooth status
9- Playback info

Play/Pause Playback

2. Touch **[** **]** button to Pause playback.

3. Touch **[** **]** button to resume playback.

Switch to Previous/next file

Press **[** **]** or **[** **]** button during playback to play previous /next file.

• Pressing [ ] button starts playback from the beginning of the next track.

• Pressing [ ] button starts playback from the beginning of the current track; when this button is pressed again within about 5 seconds, playback starts from the beginning of previous track.

Repeat Playback

* The repeat set as the factory default is Repeat Folder.

Touch the [

] button once for Repeat Track, again for Repeat Folder.

Note: The repeat in all USB files function is not available.

Skip use seek bar

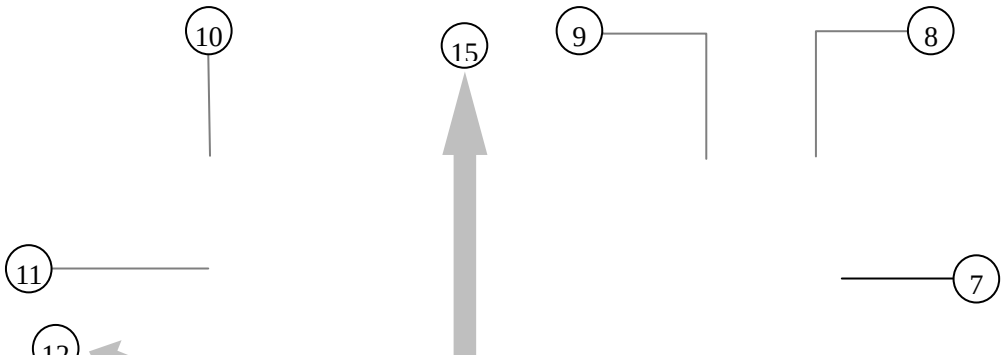
Press the on seek bar and drag it to any position where you want to start playback.

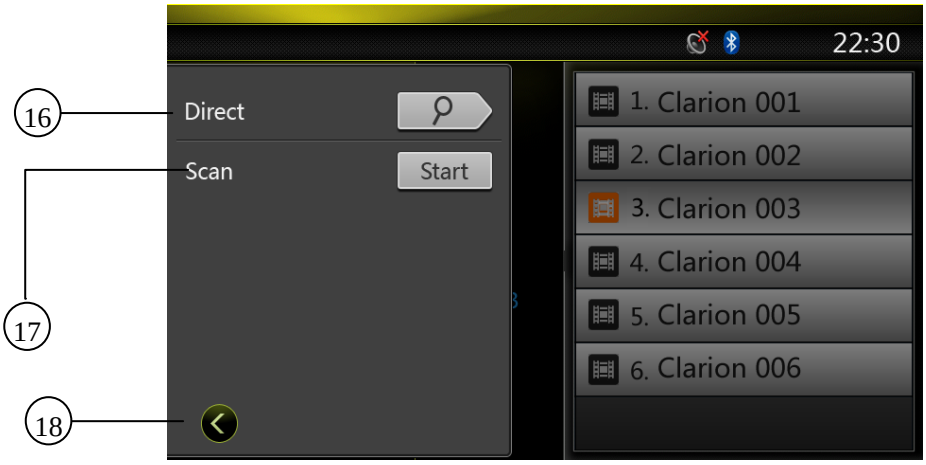
Switch to USB Video Menu

Press [

] button playback will be paused, and the screen will switch to USB Video Menu.

USB Video Menu Operations





1 -Open option menu button
2- Play/Pause Button
3- Repeat Button
4- Random Button
5- Next Track/Fast Forward Button
6- Video files in list
7- Folders in list
8- System time
9- Bluetooth status
10- Playback status info
11- Album Art
12- Current file info area
13- Elapsed playing time indicator/Seek bar
14- Previous Track /Fast Backward Button
15- Folders area

16- Direct Button
17- Scan Button
18 - Close option menu button

Play/Pause Playback

*On USB Video menu screen, playback status is pause.

Touch **[** **]** button to resume playback. The screen will go to video screen automatically.

Switch to Previous/next file

Press **[** **]** or **[** **]** button during playback to play previous /next file.
• Pressing **[** **]** button starts playback from the beginning of the next track.
• Pressing **[** **]** button starts playback from the beginning of the current track; when this button is pressed again within about 5 seconds, playback starts from the beginning of previous track.

Stop Playback

1. Press the [■] button on remote control more than 1second. Playback is stopped.

2. To resume playback, press the [▶/II] button.

Playback resumes from current playing time.

Repeat Playback

* The repeat set as the factory default is Repeat Folder.

Touch the **[** **]** button once for Repeat Track, again for Repeat Folder.

Random Playback

1. Touch **[** **]** button to random e the tracks in playing folder during playback.

2. Touch this button again to turn off the feature.

Current file info area

This area displays info of current video file: file name, number of current file/total number in current folder, Elapsed playing time/total time of current file.

Skip use seek bar

Press on seek bar and drag it to any position where you want to start playback.

Select a folder on display list

This operation is same as this in USB Audio mode.

Selecting a track on the display List

This operation is same as this in USB Audio mode.

Folders area

This operation is same as this in USB Audio mode.

Scanning the Tracks

This operation is same as this in USB Audio mode.

Searching with the Track Number

This operation is same as this in USB Audio mode.

iPod/iPhone Options

iPod/iPhone can be connected by the special connector cable (CCA-748) separately sold.

Note:

- This system will not operate or may operate improperly with unsupported versions.
- For detailed information on the playable iPod/iPhone models, see our home page: www.clarion.com.

Notes on using Apple iPod/iPhone

• After the iPod has been connected to this unit, do not operate the iPod .
• When in the iPod mode, a special iPod/iPhone control screen is displayed different from the main screens for other modes.
• When in the iPod mode, the screen image input from the AUX terminal is output to the rear monitor.
• If the iPod/iPhone is connected to this unit when the iPod/iPhone's internal battery has run down, this function may not operate correctly. You must connect the iPod/iPhone after charging the battery if it has run down.

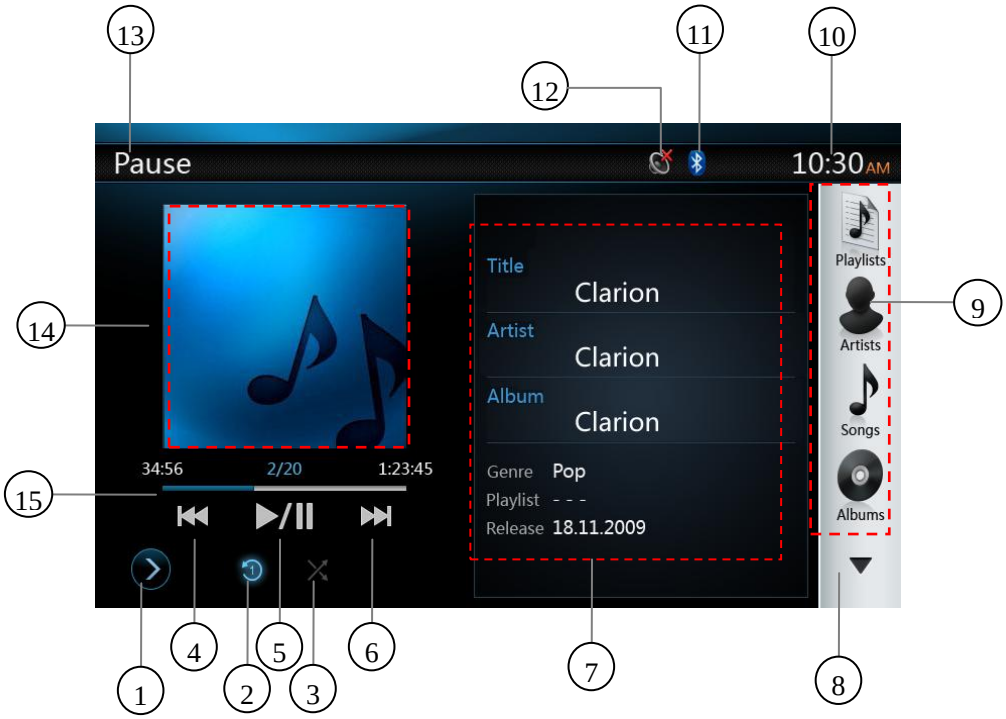
Selecting the iPod Audio mode

Connect your iPod/iPhone to the USB connector. The system will automatically detect the connected device and the iPod Audio button will be enabled for operation on the Main Menu screen.

The playback starts after a while, from where the iPod/iPhone has been paused.
When iPod/iPhone is already connected. Touch the **[iPod Audio]** key on the Main Menu screen. The system changes to the iPod Audio mode, and starts playback from the previous position.
Press Menu button on Operational Panel to return to the Main Menu.

Controlling the iPod/iPhone

•iPod audio mode screen



1- [ ]Settings Button

Displays the Options screen. You can specify play modes and other settings from this screen.

2- [ ]Repeat Button

Use to repeat the selected track.

Press once to start a Repeat one. Press again to activate a repeat all. To turn repeat off, press same button again. Repeat symbols are displayed in the info window in the upper left area of the screen.

[ ]: All repeat.

[ ]:1-Track repeat.

[ ]: Repeat off.

3- [ ]Shuffle Button

Use to switch the shuffle mode on or off. When enabled, this function performs playback of tracks in random order, regardless of the order in which they are recorded.

[ ]: Shuffle Off.

[ ]:Shuffle Songs.

4- [ ]Previous Track Button

5- [ ]Play/Pause Button

Use to control playback and pause.

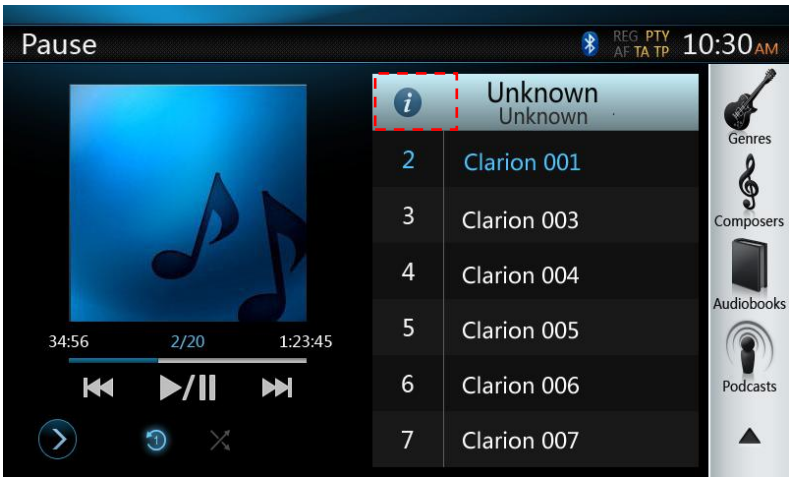
(1). Touch the key during playback. Playback pauses.

(2). To resume playback touch the key again.

6- [ ]Next Track Button

7- ID3 Information

Touch the area of the ID3 Information to display the current play list.



Touch the [ ] icon can return to ID3 information display.

8- Next Page[ ] / Previous Page[ ] Button

9- Category List

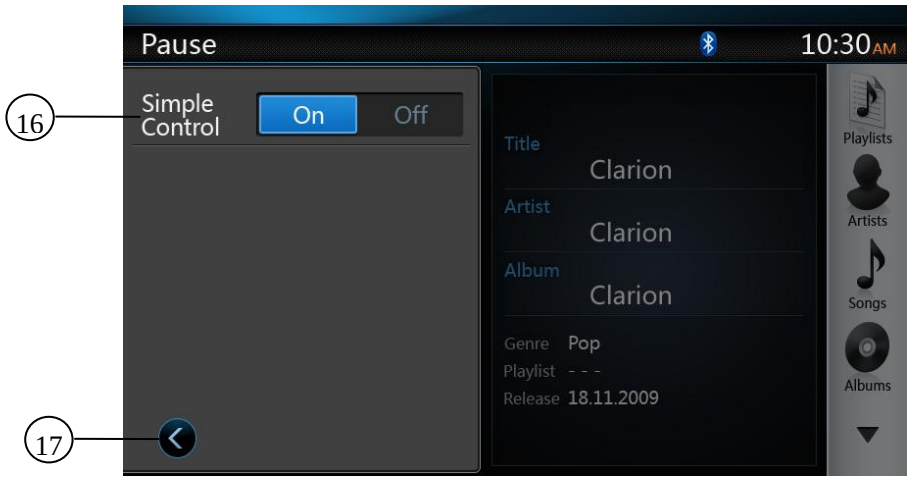
Select different category songs to play. The category is same as the iPod/iPhone.

10- [10:30AM]System Time display

11- Bluetooth Status

12- MUTE Status
13- Playback Status
14- Art Work
15- Progress bar

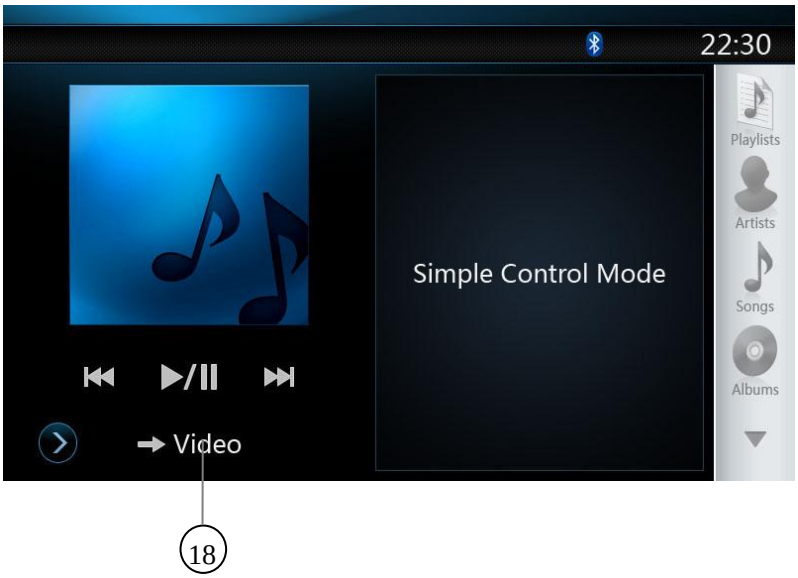
•iPod audio settings mode screen

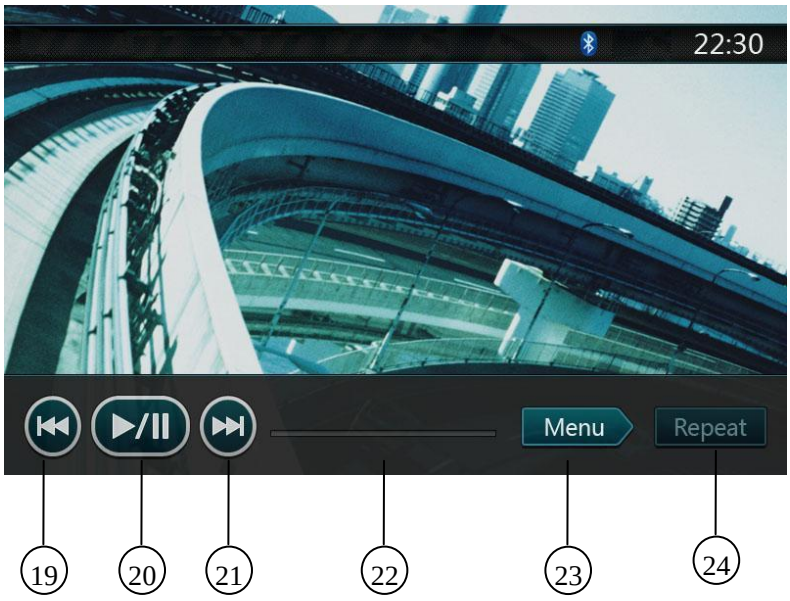


16- Simple Control:

If the Simple Control is set to [On]. The screen will become to Simple Control Mode. It can also display the iPod/iPhone's video regardless it is iPod Audio or iPod Video mode. But only "Previous Track"、"Play/Pause" and "Next Track" can be operated.(Refer to 18)

17- [ ]Close the Settings Page





18- Display iPod/iPhone's video.

Follow operation steps to display iPod/iPhone's video in Simple Control Mode.

- Connect the iPod to head unit.
- Select iPod Audio mode.
- Press the [ ] button on iPod audio mode screen to display Settings page.
- Set the Simple Control to "On".
- Press Video button.
- Set iPod Video settings TV Out to "ON" in iPod.
- Now play video from iPod
- iPod's video will display on the screen.
- iPhone and iPod Touch are not supported with video output in Simple Mode.

19- [ ]Previous video

20- [ ]Play or Pause video

21- [ ]Next video

22- Progress bar

The "Progress bar" is not available on this screen.

23- [Menu]Menu:

Press the Menu button can display the Simple Control Mode.

24- [Repeat]Repeat

The "Repeat" Button can't operate on this screen.

•Skipping a track (Simple Control Mode)

Press the **[ ]** or **[ ]** button during playback. Tracks are skipped, as many times as the button is pressed, and playback starts.

• Pressing the **[ ]** button starts playback from the beginning of the next track.

• Pressing the **[ ]** button starts playback from the beginning of the current track. When this button is pressed again within about 2 seconds, playback starts from the beginning of the previous track.

Note: In Simple Control Mode, the best way is to control the iPod just on iPod.

•Selecting a list item from a list screen

(1). Touch the list screen and flick up or down to scroll the list.

(2). Touch a desired list item on the screen to display the corresponding list of tracks.

(3). Touch the desired track name on the list to play it.

•iPod audio List mode screen

25- Return to the Previous Level Folder

[ ] If the list is in root, press the button can close the list.

26- [ ]Closed the List

27- Search with the first alphabet in current list.

Selecting the iPod Video mode

Connect your iPod/iPhone to the USB connector via CCA-748 cable. The system will automatically detect the connected device and the iPod Video button will be enabled for operation on the Main Menu screen.

• When an iPod/iPhone is already connected

Touch the **[ ]** key on the Main Menu screen. The system changes to the iPod

Video mode, and starts playback from the previous position.
Press Menu button on Operational Panel to return to the Main Menu.

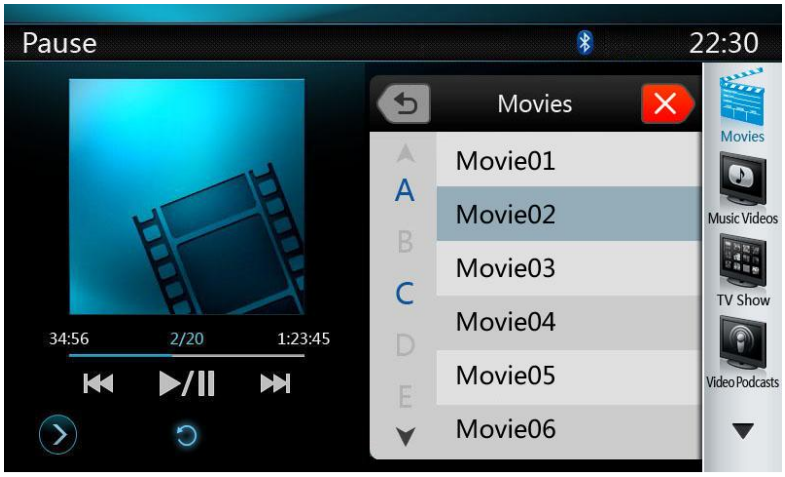
• Viewing video data in the iPod/iPhone (only for the iPod/iPhone with video features)

When you connect an iPod/iPhone with video features by using the optional connector cable for iPod/iPhone with video, you can enjoy the video data and slide show data stored in the iPod/iPhone and show them on the display of this unit (and the rear monitor if connected).

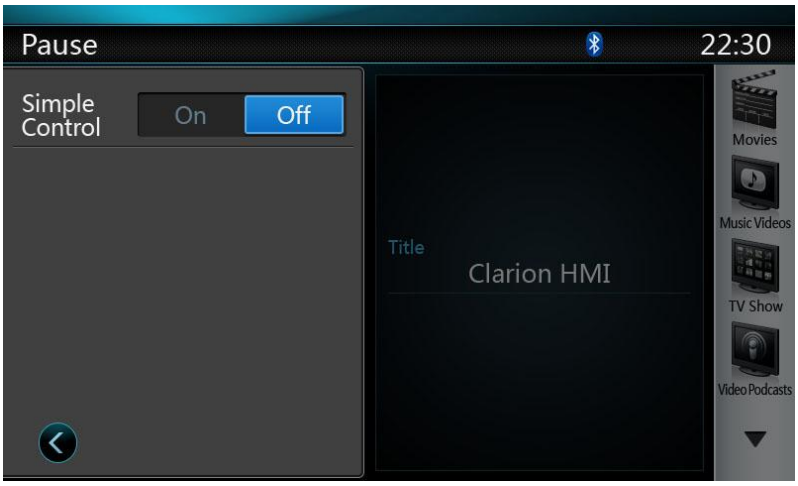
• iPod Video ID3 mode screen

Press [▶/II] button to display iPod Video play mode screen.

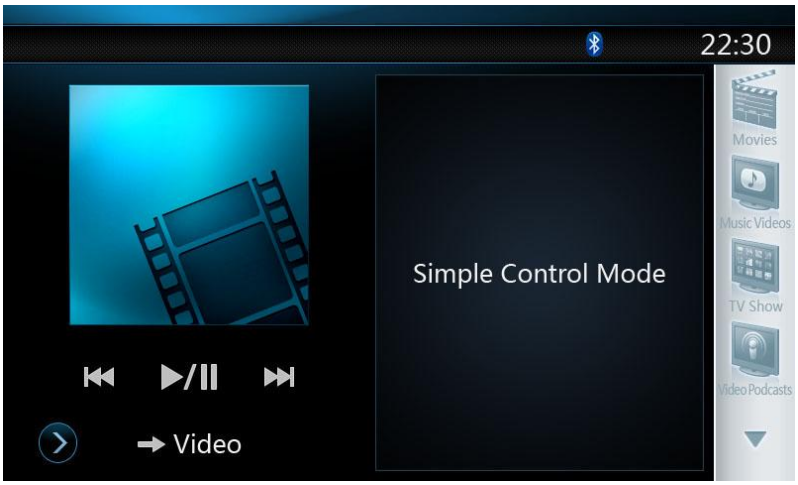
• iPod Video List mode screen



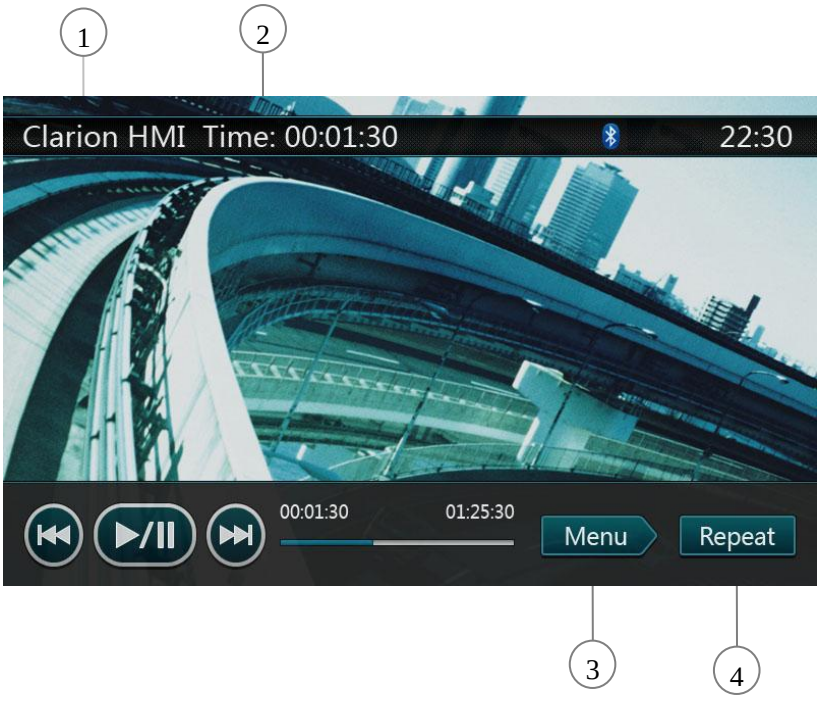
•iPod Video Settings mode screen.



•iPod Video Simple Control Mode Screen



• iPod Video play mode screen.



1- iPod Video Title.
2- Elapsed playing time.
3- [Menu]Menu:
Press the Menu button can display the iPod Video mode screen.
4- [Repeat]Repeat Button:
Use to repeat the selected track.
Press once to start a single Repeat one. Press again to activate a Repeat all. To turn Repeat off, press same button again. Repeat symbols are displayed in the info window in the upper left area of the screen.
In iPod Video mode screen, there are three repeat icons:
[ ]: Repeat All.
[ ]: Repeat one.
[ ]: Repeat off.

Note:

The operation keys in iPod video mode are as same as iPod Audio mode. Please refer to the iPod Audio Mode operation key.

Note:

Video playback is not available on all iPod/ iPhone devices. Please contact your Clarion dealer for details. An optional connection cable or accessory may be required for this feature.

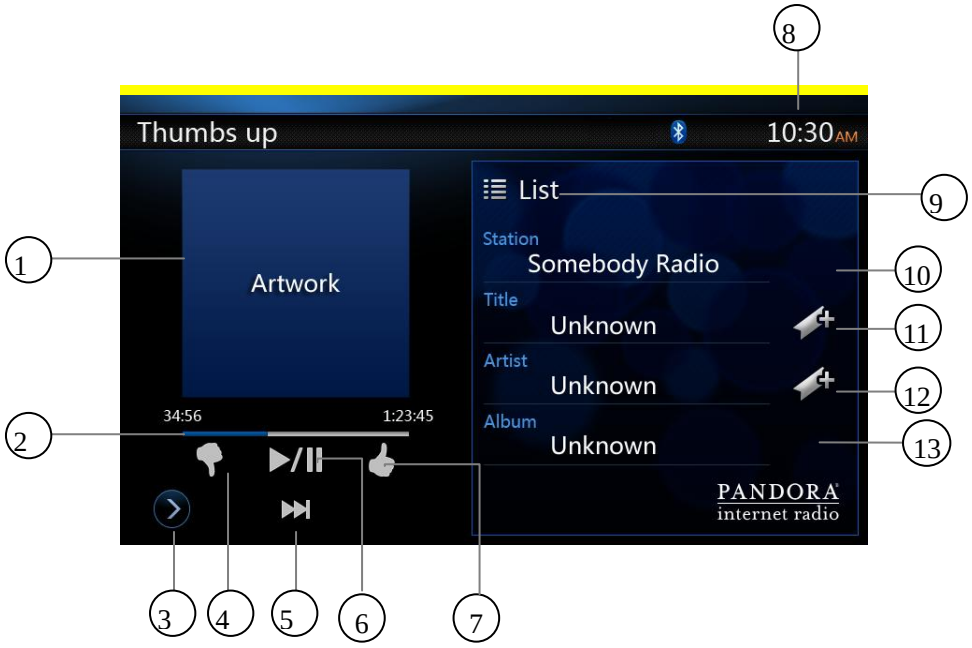
Note:

• "AUDIO ONLY" is displayed when the automobile is moving.
• Image data may not be played back according to the status of the iPod/iPhone
• The volume setting of video data is relatively lower than audio data. Be sure to lower the volume setting before switching to the other mode.
• Do not select the categories with no track registered from the iPod menu screen. The iPod/iPhone may be frozen. If the iPod/iPhone is frozen, reset the iPod/iPhone by following the procedure described in the instruction manual of the iPod/iPhone.
• Audio may be played back slightly out of synchronization with video images.

Selecting the Pandora mode

1. Turn on Pandora function of your iPod.
2. Connect your iPod to the unit.
3. When iPod/iPhone is already connected, touch the **[Pandora]** icon on the Main Menu screen.

• Pandora mode ID 3 Information Screen



1- Art Work
2- Progress bar
3- [ ]Settings Button
4- [ ]Thumbs-down

Press this button Thumbs-down current track and play next track.

5- [ ]Next track Button
6- [ ]Play/Pause Button

Use to control playback and pause.
(1). Touch the key during playback. Playback pauses.
(2). To resume playback touch the key again.

7- [ ]Thumbs-up
8- System time
9- [List]Button

Press this button to show List Screen

10- Current station name
11- Current title.

Touch icon to store current title to track favorites list.

12- Current artist.

Touch icon to store current artist to artist favorites list.

13- Current album name.

•Skipping a track (Pandora mode)

Press **[ ]** button during playback, tracks are skipped and starts playback from the beginning of the next track.

Note:

• Some track are not able to be skipped.

• If skip limit has been reached(Skip 6 tracks in 1H),this fuction will not available.

•Track rating

Press [ ] or [ ] button to thumbs-down or Thumbs-up current track, and the button will light.

Note:

•Press [ ] button will skip to next track (skip limit has not been reached).

•Some track is not able to be rated (i.e. audio ads and shared station content). The thumbs buttons will disable.

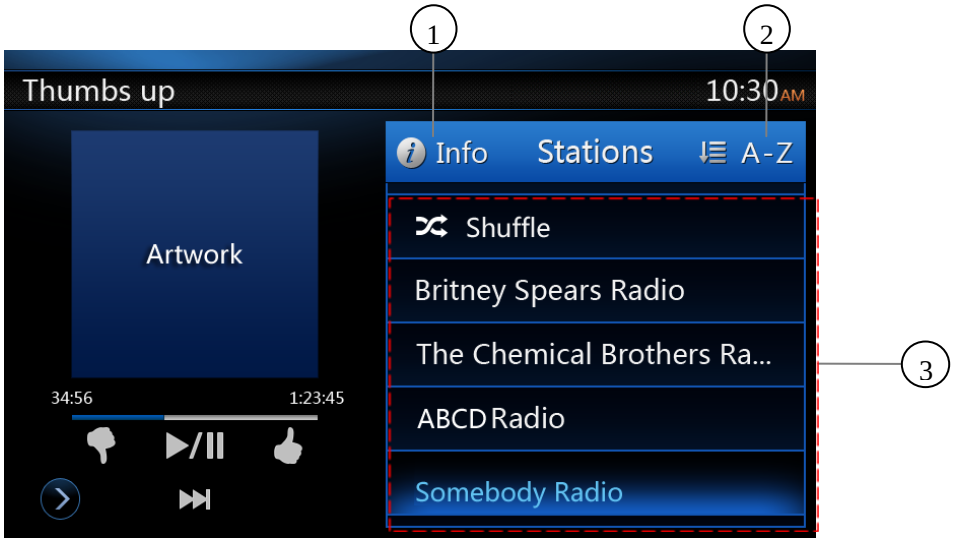
•Bookmarking

Touch [ ] button to store current title or artist to track favorites list.

Note:

•Some track are not able to be bookmarked (i.e. audio ads). In this case the bookmark buttons will disable.

• Pandora mode Station List



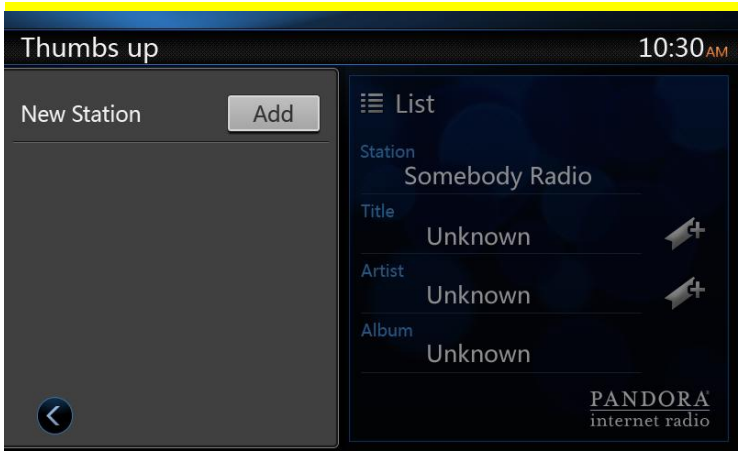
1- [Info]button

Press this button to display ID 3 Information Screen.

2- [A-Z]button
Press this button to sort the list by first letter,press again to sort the list by date.
3- Station list,touch to select station play.
When the desired station is not displayed, press and flick the station list up or down.

• Add New Station

1.Press [ ] button on Pandora mode ID 3 Information Screen to enter Pandora mode Setting screen.



3. Press [Add] button to add a new Station

Press [ ] button to close the setting screen

Bluetooth Audio Player Operations

Some Bluetooth cellular phones have audio features, and some portable audio players support the Bluetooth feature. These devices will be called as “Bluetooth audio players” in this manual. This system can play audio data stored in a Bluetooth audio player.

Note:

•This system will not operate or may operate improperly with some Bluetooth audio players.

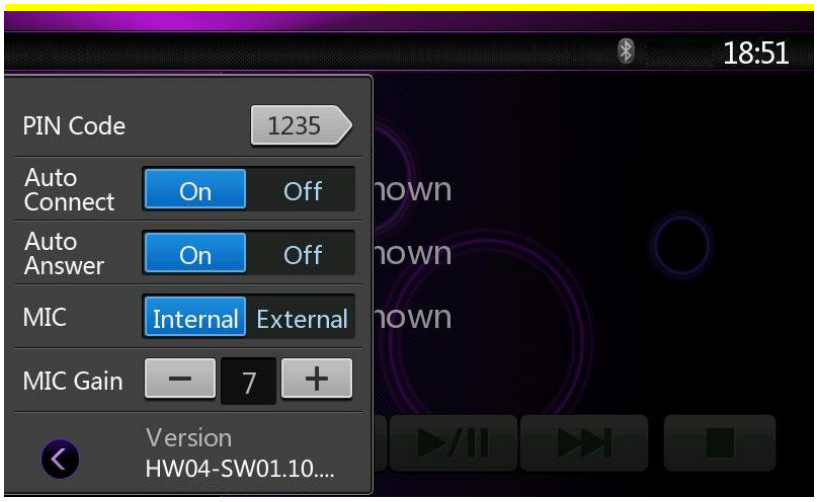
• For detailed information on the playable Bluetooth audio players, see our home page: www.clarion.com

Selecting the Bluetooth Audio mode

1. Touch the [**Bluetooth Audio**] key to select the Bluetooth Audio mode.
The system changes to the Bluetooth mode. If the connection with a Bluetooth audio player has been already established, you may select the Music function.
2. Press Menu button on Operational Panel to return to the Main Menu.
• When the connection with a Bluetooth audio player has been established, the [ ] icon is displayed at the top of the screen.

Bluetooth audio player settings

You can confirm various information concerning about the Bluetooth Interface features.
1. Touch the [ ] button to display the information on the screen.
2. When you finish confirming the Bluetooth information, touch the [ ] button to return to the previous screen.



If you want to change the Pin Code setting of this unit, perform the following steps.

- The factory default setting is “1234”.

3. Touch the text box of the Pin Code item to display the Ten-Key Pad screen.

4. Enter your desired 4-digit PIN number, and then touch the [OK] button.

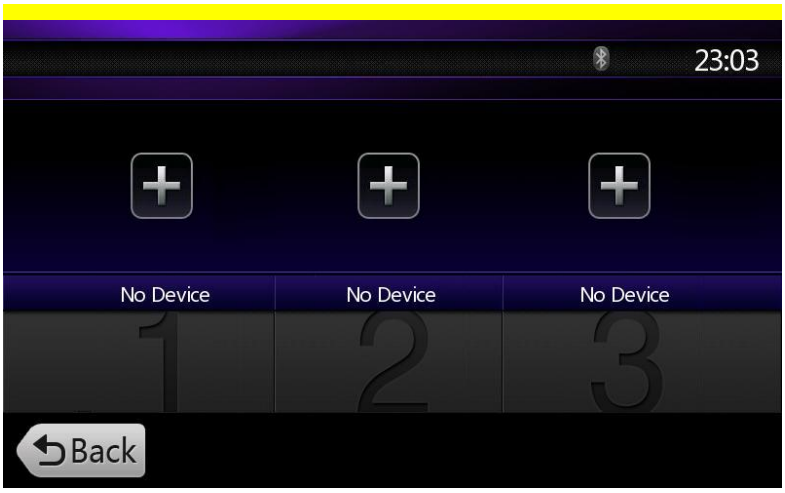
Note:
MIC Gain is disabled in Bluetooth Audio mode settings.

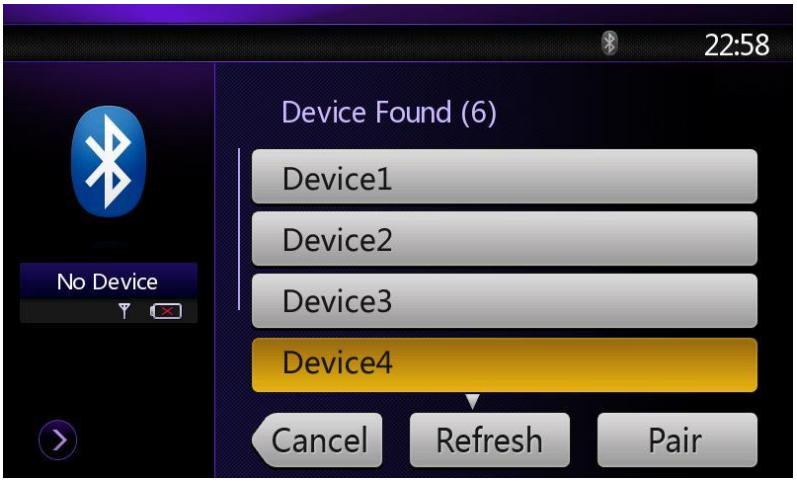
Registering your Bluetooth audio player (Pairing)

You can register up to 3 Bluetooth audio players.

1. Turn on the power of the Bluetooth audio player you wish to register.
2. Touch the Device key [ ] to display the Device Select screen.

3. Touch the [ ] button to display the Inquiring Device screen.





4. Touch your desired Device and press [Pair] button to register for the Bluetooth audio player.
5. If entering the Pass Key code is prompted on your Bluetooth audio player, enter the Pass Key code set to this unit.

• You can add the favorite icon to the connected device. There are 10 favorite icons for selection.

When the pairing operation completes, the registered Bluetooth audio player is set as the current device, after selecting the favorite icon, the display return to the device list screen. Press [Back] button, the display will return to the Bluetooth audio mode screen.

• **To delete the Bluetooth audio player registration**

1. Touch the [Delete] button to delete the device.
A confirmation screen is displayed.

2. Touch the [OK] button to confirm delete.

Selecting the Bluetooth audio player

To change the current Bluetooth audio player to the other device which is already registered, perform the following operation.

1. Touch the Device key to [ ] display the Device Select screen.
2. Touch the currently connected device, then press the [

] button to disconnect the active device.
3. Touch the desired Device key you wish to use. Press [

] button to select it as your active device. The corresponding cellular phone is set as current telephone.
4. Touch the [

] button to return to the previous screen.

Controlling the Bluetooth audio player

Note:

• Occasionally, depending on the environment, playback sounds may be fragmented, or switch noises may be generated.

Playing a music

After the connection with a Bluetooth audio player is established, the play mode is automatically engaged.

• When playback is not started for some devices, touch the [

]button manually.

Pausing playback

1. Touch the [

] button during playback.

Playback pauses.

2. To resume playback, touch the [

] button. Playback resumes.

Skipping a track (searching)

3. Press the [

] or [

] button during playback.

Stopping playback

4. Press the [

] button during playback.

Tracks are stopped, press the [

] button to playback the first Track.

Bluetooth Telephone Operations

When the connection with your Bluetooth cellular phone is established, the following functions are available on this unit:

• Listening to your telephone calls on the car speakers.
• Answering to an incoming call.
• Making a call using the Ten-Key pad screen.
• Making a call using the Phone Book data in the selected cellular phone.
• Making a call using the History data of the dialed/received calls.

Note:

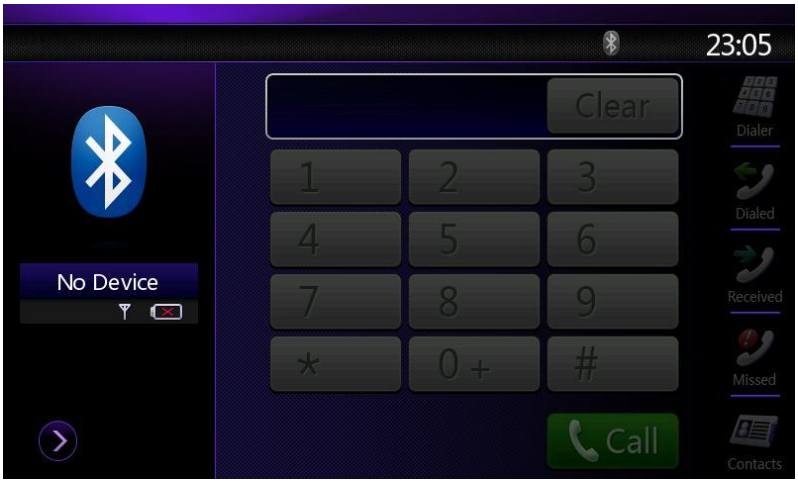
• Some cellular phones may not be able to transfer the Phone Book data to head unit.
• The Phone Book data transmission may take a long time. The operations of sending calls are disabled during the data transmission.
• You can talk with other party by using the internal microphone. When it is hard to

hear for the other party in accordance with the communication condition or the used telephone, please use the optional microphone (RCB-199), and set the Microphone Select setting to “External”. The sound will be improved, but noises may still be heard depending on the communication condition.

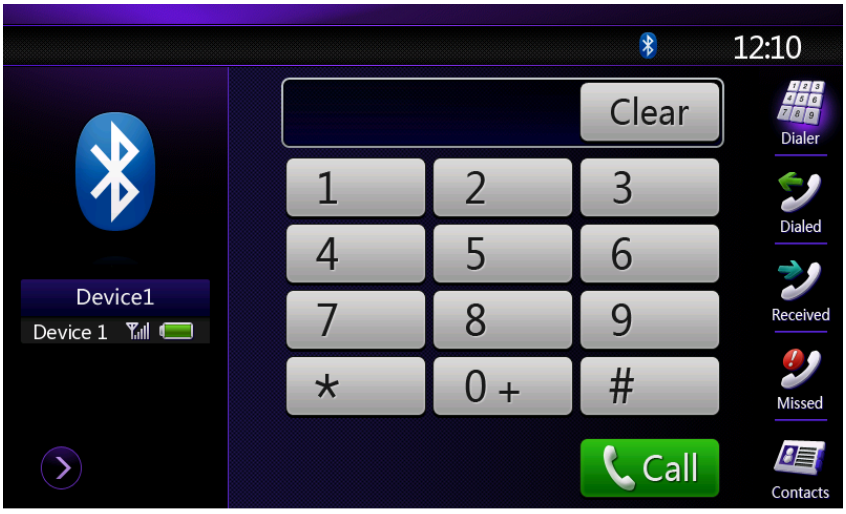
Select the BT Phone mode

1. Touch the **[Bluetooth Telephone]** key to select the Bluetooth Telephone mode. The Telephone screen is displayed.
2. Press Menu button on Operational Panel to return to the Main Menu.

• When no Bluetooth Telephone connected, the icon[ ] is displayed at the top of the screen



• When the connection with a Bluetooth Telephone has been established, the icon [ ]and signal level indicator are displayed at the top of the screen.



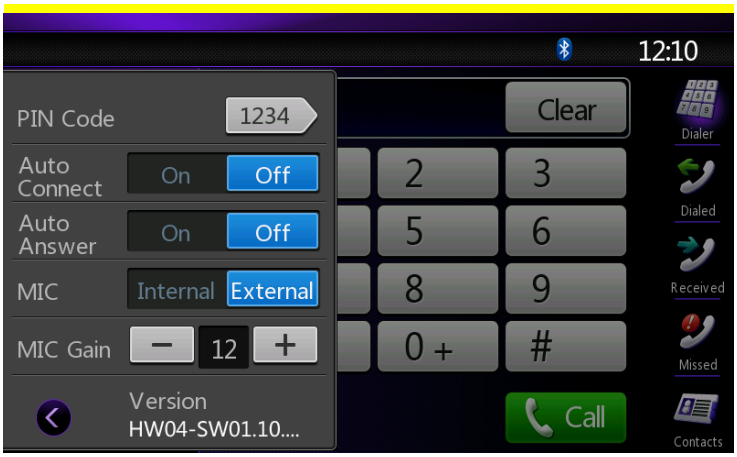
Bluetooth Telephone settings

You can confirm various information concerning about the Bluetooth Interface features.

1. Touch the [ ] button to display the information on the screen.
2. Perform setting for the desired item. See the following sections for detail.
3. When you finish confirming the Bluetooth information, touch the [ ] button to return to the previous screen.

If you want to change the Pass Key setting of this unit, perform the following steps.

1. Touch the text box of the Pass Key item to display the Ten-Key Pad screen.
   • The factory default setting is "1234".
2. Enter your desired 4-digit PIN number, and then touch the [OK] button.



- **Setting Automatic Connection**

The system automatically reconnects the cellular phone after the connection is lost or the system is restarted.

- The factory default setting is "OFF". Touch the [On] or [Off] button of the Automatic Connection item to set the function ON or OFF.

- **Setting Automatic Answer**

If a call comes in, answer automatically after 5 seconds.

- The factory default setting is "OFF". Touch the [On] or [Off] button of the Automatic Answer item to set the function ON or OFF.

- **Selecting Microphone**

You can select the microphone to be used.

- The factory default setting is "Internal". Touch the [Internal] or [External] button of the Microphone Select item to set the function.

- **Setting Microphone Gain**

You can adjust the input level of the microphone in 16 levels.

- The factory default setting is "8".
- Touch the level indicator button of the Microphone Gain item to adjust the input

level.

Note:

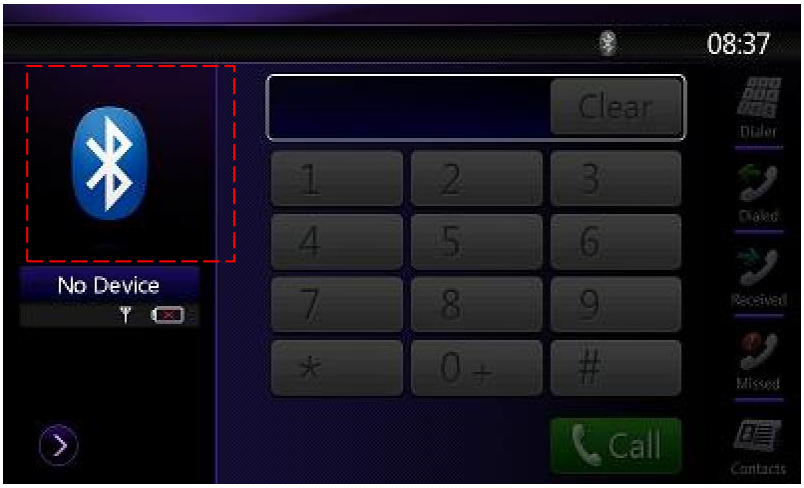
• The input level of the microphone can be affected by its surroundings. Adjust the level if the person on the other end of the telephone has a reception problem.

Register your cellular phone (Pairing)

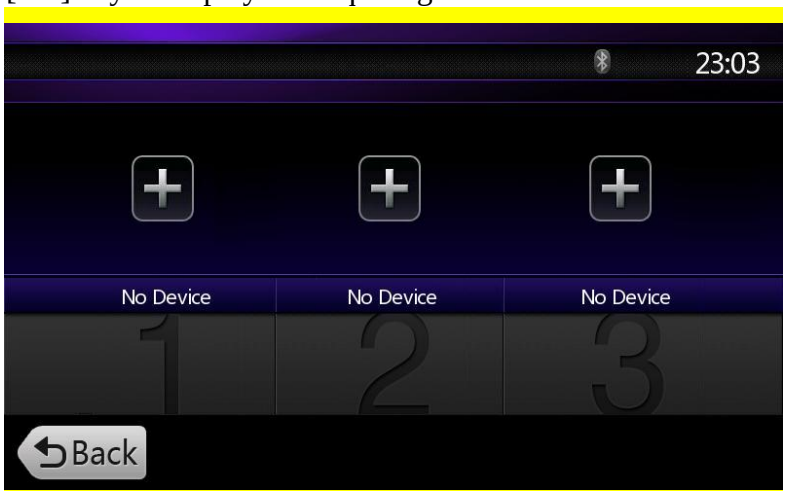
You can register up to 3 cellular phones. The registering method is as same as "Registering your Bluetooth audio player"

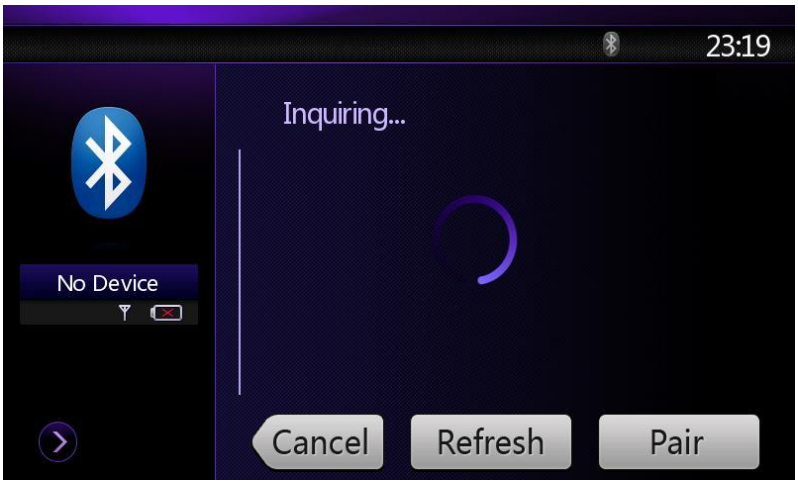
1. Turn on the power of the cellular phone you wish to register.

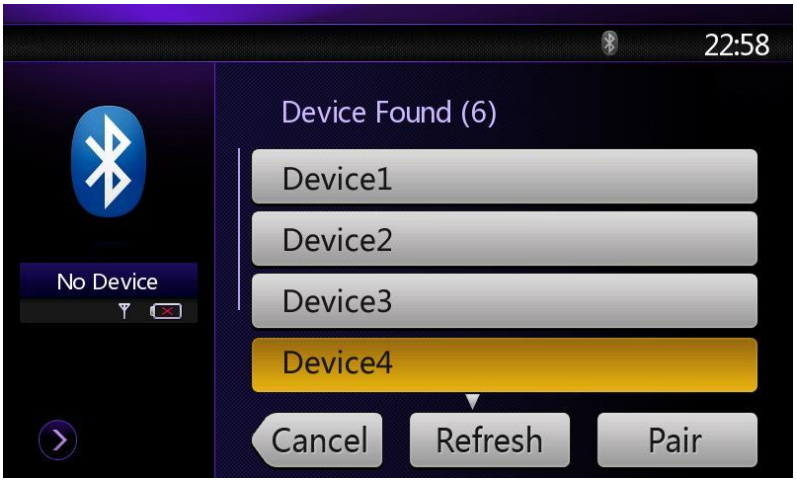
2. Touch the Device key [ ] to display the Device Select screen.



3. Touch the [ ] key to display the Inquiring Device screen.







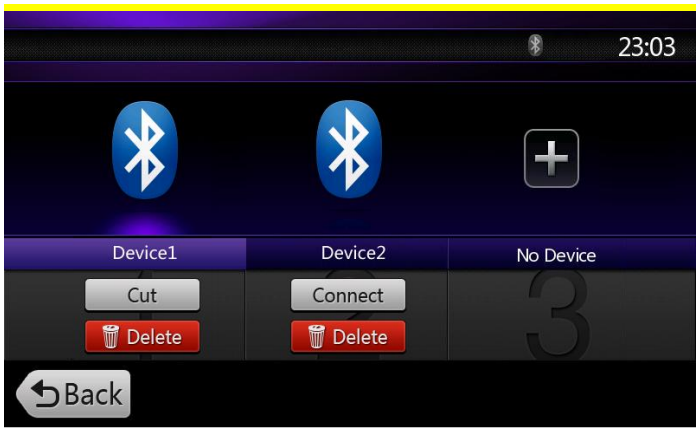
4. Touch your desired Cellular key to select the key for the cellular phone to be registered, and press [Pair] button to register for the Bluetooth audio player.

• You cannot select the Cellular key of which another cellular phone is already registered. Select a blank Cellular key.

5. If entering the Pass Key code is prompted on your cellular phone, enter the Pass Key code set in this unit.

• You can change the Pass key setting of this unit from the BT Info screen under the Telephone Settings screen.

• You can also add the favorite icon to the connected device. There are 10 favorite icons for selecting.



When the pairing operation completes, the registered cellular phone is set as the current telephone, and the display returns to the Telephone screen.

- **To delete the cellular phone registration**

1. Touch the [Delete] key to delete the device. A confirmation screen is displayed.
2. Touch the [OK] key to confirm delete.

Select the cellular phone

To change the current cellular phone to the other device which is already registered, perform the following operation.

1. Touch the [ ] key to display the Device Select screen.
2. Touch the currently connected device, then press [Cut] key to disconnect the active device.
3. Touch the desired Device key you wish to use. Press [Connect] key to select it as your active device. The corresponding cellular phone is set as the current telephone.

• If the power of the cellular phone is not turned on, turn it on.

• The cellular phone may prompt to acknowledge the Bluetooth connection or to enter the Pass Key code of this unit. Perform these operations according to the message displayed.

4. Touch the [Back] key to return to the previous screen.

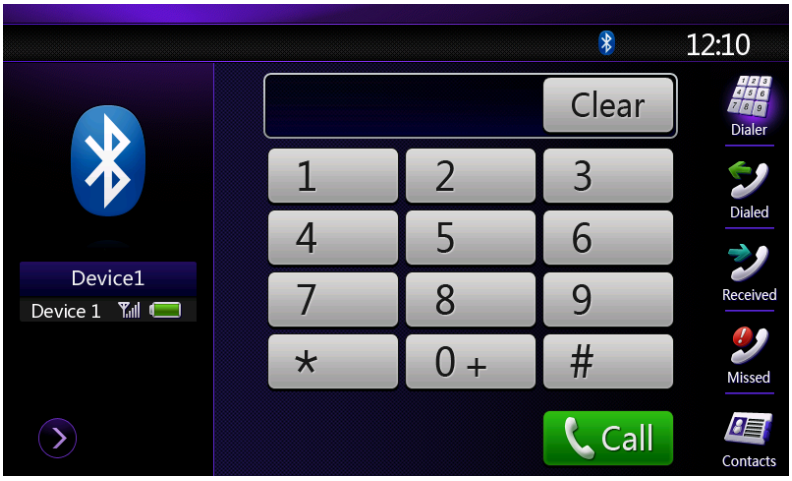
Obtaining the Phone Book data

Sending the Phone Book data from the cellular phone enables you to make a call using the Phone Book function from this unit.

Telephone operations

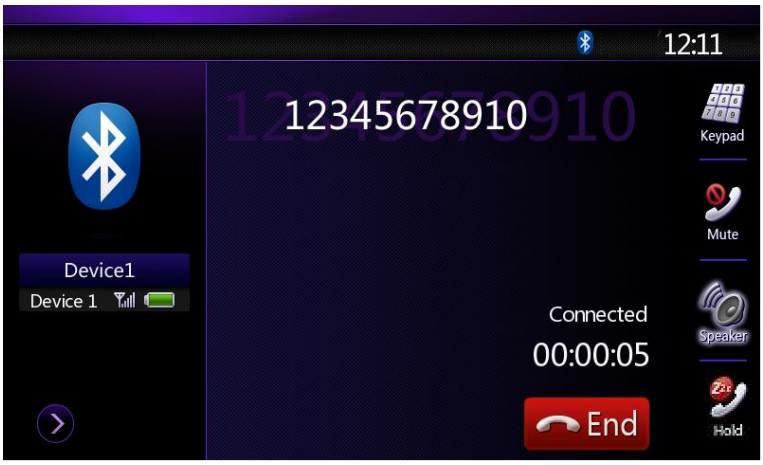
Making a call using the Ten-Key pad

1. Touch the [Dialer] key to display the Ten-Key pad screen.
2. Enter the telephone number by using the Ten-Key pad displayed on the screen.



3. Touch the [Call] (Send) key to call the entered number.

• The following Telephone Interrupt screen is displayed during phone call.

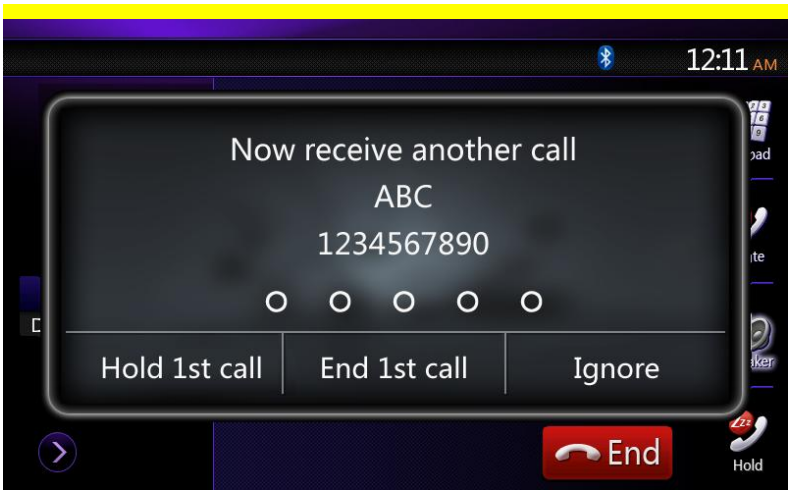


• Touch the [Speaker] key to talk by using the cellular phone and canceling the hands-free function (Private Mode). To return to the hands-free mode, touch the [Speaker] key again.

•Touch the [Mute] key to mute the microphone.Now you can hear the other side, but the other side cannot hear your side.

• Touch the [Hold] key to hold the current phone call, now you can answer to the other incoming call. Touch again to talk with previous call

• If during a call with a third-party call, you can keep the current call to answer a third party or hang up the current call to answer a third party. You can also ignore the third-party calls.



4. When the call is finished, touch [End] key to hang up.

Note:

• Depending on some special cellular phone, the Telephone Interrupt screen may be closed and the connection with this system may be disconnected when entering the Private mode.

Making a call using the Phone Book

You can use the Phone Book data obtained from the cellular phone to make a call from this unit.

Note:

• Before using this function, the Phone Book data must be sent from the cellular phone.

• Only the Phone Book items with at least one telephone number registered in the captured Phone Book data are displayed on the Phone Book screen.

1. Touch the [Contacts] key to display the Phone Book screen.
2. Touch the desired Name key you wish to dial.

• Flick the list up and down to scroll the list.

3. Touch the [Call] key to call the specified number. The Telephone Interrupt screen is displayed, and calling starts.

• When the call is finished, touch the [End] key to hang up.

Making a call using the History

The system will memorize the Dialed/Received calls record data in the memory. You can confirm it and use it to make a call from this unit.

1. Touch the [Dialed] key. The History List screen is displayed.

• The items are sorted by Dialed, Missed and Received calls.

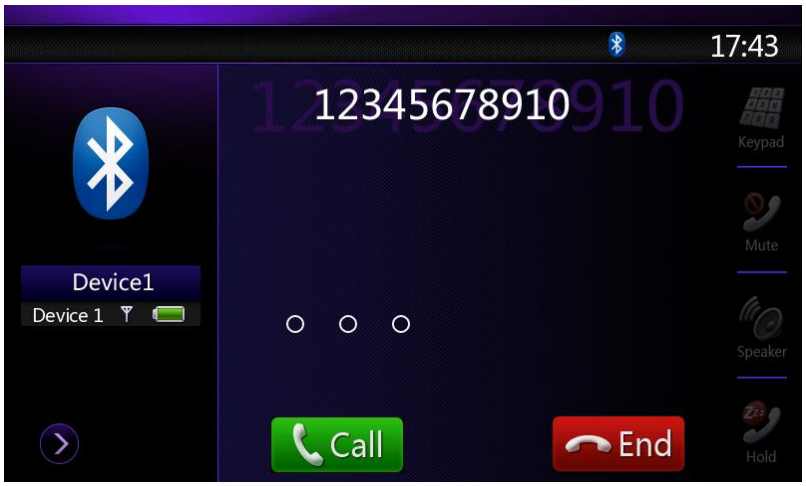
• Flick the list up and down to scroll the list.

2. Touch the desired History item key you wish to dial.
3. Touch the [Call] key to call the specified number. The Telephone Interrupt screen is displayed, and calling starts.

• When the call is finished, touch the [End] key to hang up.

Answering to an incoming call

When a call comes in, the following Telephone Interrupt screen appears.



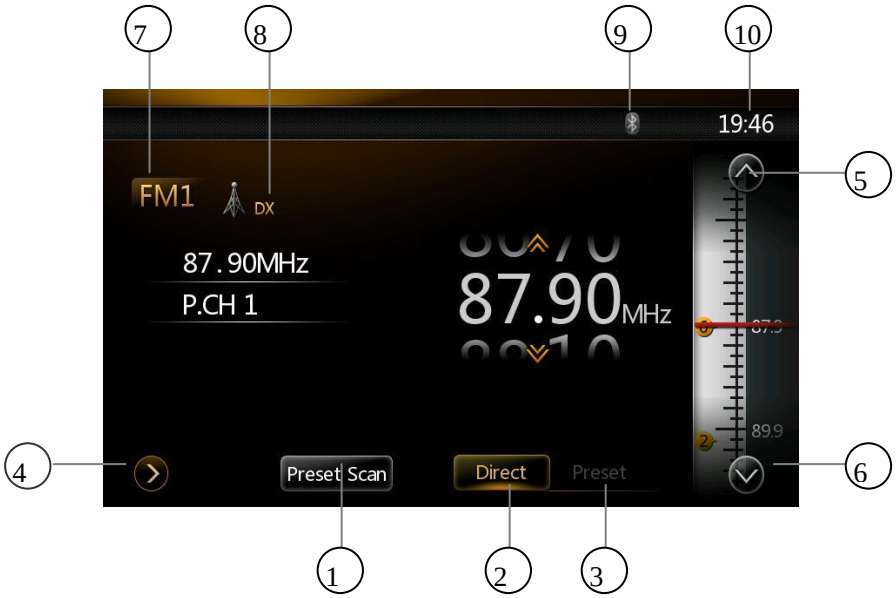
You can answer to the incoming call on this system by the following operation.

1. Touch the [Call] key to answer the call.
2. When the call is finished, touch the [End] key to hang up.

Radio Operations

Listening to the Radio

1. Touch the **[Tuner]** button on the Main menu display. The tuner mode screen is displayed.
2. Press the **[FM1/2/3/AM]** button or touch the **[Band]** key on remote control to select the radio band. Each time the button is pressed, the radio reception band changes in the following order: FM1->FM2->FM3->AM ->FM1...



1. Preset Scan Button
2. Direct Button
3. Preset List Button
4. Frequencies Display
5. Tune Up
6. Tune Down
7. Band Display
8. LOC/DX Display
9. Bluetooth Display
10. Time Display

Seek Tuning

1. Press the **[FM1/2/3/AM]** button to select the radio band (FM or AM).

2. Touch the **[**

] key, and then flick the BIG Frequency up and down to search for next available station.

• When flick the frequency up, the station is searched in the direction of higher frequency.
• When flick the frequency down, the station is searched in the direction of lower frequency.

Step Tuning

1. Press the **[FM1/2/3/AM]** button to select the radio band (FM or AM).

2. Touch the **[**
] or **[**
] key in frequency panel to tune up or down by one step.

Recalling a preset station

1. Press the **[FM1/2/3/AM]** button to select the desire band (FM or AM) on the tuner.

2. Touch the **[**

] key, Press the preset station (1 to 6) on preset list.

3. Press the **[**
] key, then press the **[**

] button to auto search and store the stations.

Manual memory

1. Touch the desired Band key to select the band you wish to store.
2. Tune to a station you want to store using the seek tuning, step tuning, or preset tuning.
3. Touch and hold the desired Preset key you want to store for about 3 seconds.

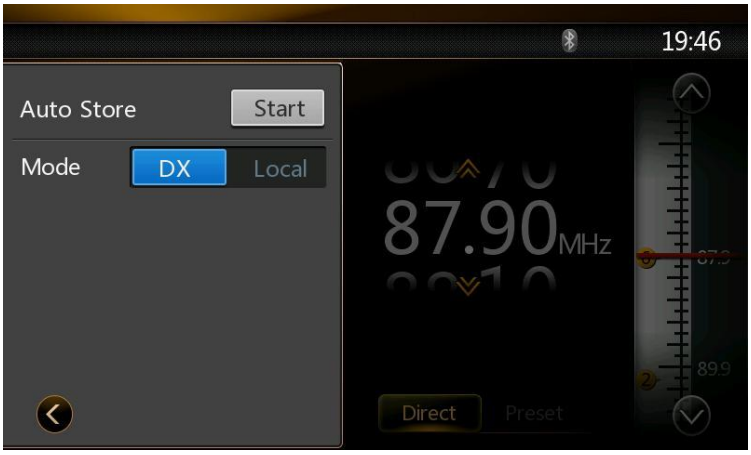
Auto Store

The Auto Store is a function for storing up to 6 stations that are automatically searched in sequentially. If the number of receivable stations cannot reach to 6, the previous stored station remains.

1. Touch the **[FM1/2/3/AM]** key to select the desired band. (FM or AM)

2. Press the **[** **]** key, and then press the **[** **]** key to start the Auto Store.

A beep sounds and the stations with good reception are stored automatically to the preset list.



Preset Scan

The Preset Scan receives the stations stored in the preset memory in order. This function is useful when searching for the desired station in memory.

1. Touch the **[FM1/2/3/AM]** key to select the desired band. (FM or AM)

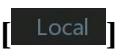
2. Touch the **[** **]** key to start the Preset Scan.

The unit starts scanning each station for 10 seconds sequentially. But the station stored is not a valid station; the scanning time is only 2 seconds.

3. When the desired station is tuned in, touch the **[** **]** key again to stay in that station.

LOC/DX Setting

The DX / LOC setting changes the tuner sensitivity in order to separate closely spaced stations. This feature is useful in areas that have many radio stations in close proximity.

1. Touch the **[**  **]** key to switch to LOCAL tuner sensitivity.

2. Touch the **[** **]** key to switch to DX tuner sensitivity.

HD Radio™ Receiver Operations

This function is available when an HD Radio tuner is connected.
This unit can control the following HD Radio tuner:

- HD Radio Module (THD400)

Note:

- Be sure to turn off the ACC power before connecting/disconnecting the HD Radio tuner.
- Not all areas offer HD Radio broadcasts
- HD Radio stations may not always broadcast sub channels
- Volume levels of HD Radio stations may vary. Increase the volume gradually from the minimal setting after the channel is selected. Be sure to lower the volume setting before switching to another mode or channel.

Additional information about HD Radio can be found at www.hdradio.com

Listening to HD Radio

Note: *Connect THD400 HD Radio™ black box to activate HD Radio™ function.*

1. Touch the Tuner button on the Main menu display. The HD Radio mode screen will be displayed.
2. Press the **[FM1/2/3/AM]** button or touch the **[Band]** key on remote control to select the radio band. Each time the button is pressed, the radio reception band changes in the following order: FM1, FM2, FM3, AM, FM1...

1- Preset Scan Button
2- Direct Button
3- Preset List Button
4- Setting Button
5- Tune Up
6- Tune Down
7- Band Display
8- Bluetooth Status Display
9- Time Display

Seek Tuning

1. Press the **[FM1/2/3/AM]** button to select the radio band (FM or AM).

2. Touch the **[**

] key, and then flick the BIG Frequency up and down to search for next available station.

• When flick the frequency up, the station is searched in the direction of higher frequency.• When flick the frequency down, the station is searched in the direction of lower frequency.

Step Tuning

1. Press the **[FM1/2/3/AM]** button to select the radio band (FM or AM).

2. Touch the **[**
] or **[**
] key in frequency panel to tune up or down by one step.

Recalling a preset station

1. Press the **[FM1/2/3/AM]** button to select the desire band (FM or AM) on the tuner.

2. Touch the **[**

] key,

3. Press the preset station (1 to 6) on preset list.

4. Press the **[**
] key, then press the **[**

] button to auto search and store the stations.

Manual memory

1. Touch the desired Band key to select the band you wish to store.
2. Tune to a station you want to store using the seek tuning, step tuning, or preset tuning.
3. Touch and hold the desired Preset key you want to store for about 3 seconds.

Auto Store

The Auto Store is a function for storing up to 6 stations that are automatically

searched in sequentially. If the number of receivable stations cannot reach to 6, the previous stored station remains.

1. Touch the **[FM1/2/3/AM]** key to select the desired band. (FM or AM)

2. Press the **[** **]** key, and then press the **[** **]** key to start the Auto Store.

A beep sounds and the stations with good reception are stored automatically to the preset list.

HD Radio Sub channel Function

If the **[** **]** key is enabled, please touch the **[** **]** key to tune to next available sub channel.

Note: Not all stations have HD Radio sub channel broadcasts. The **[** **]** key is only enabled when current station has sub channel broadcast and signal strength is strong enough.

iTunes Tagging Function

A new feature is available to mark songs on HD Radio™ broadcasts for review and purchase at a later time from the listener's personal computer. This feature is available through HD Radio™ receivers that build in the new "iTunes® Tagging" feature.
Now iTunes® Tagging system is only available for Apple® iPod® and iPhone®.

Operation:

1. Touch **[** **]** key to store the current music information to memory.

2. You may store up to 64 tags to the memory of head unit.
3. When an iPod/iPhone is connected to the unit, the unit will automatically transfer the tags in memory to the iPod/iPhone

Note: Not all broadcasted material can be tagged, in this case, the **[** **]** button will be disabled

HD Radio™ and the HD and HD Radio logos are proprietary trademarks of ubiquity Digital Corporation.

SiriusXM Satellite Radio Operations

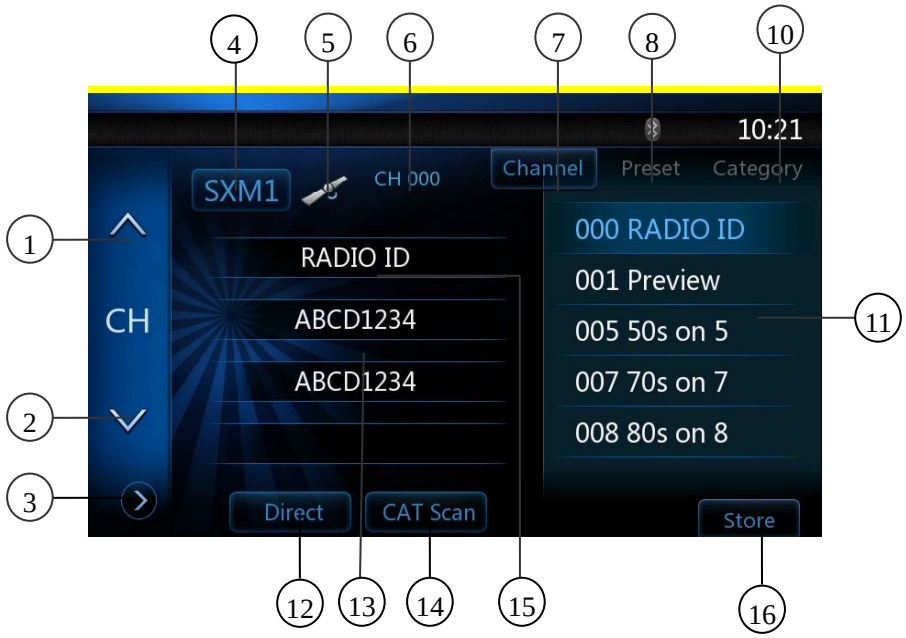
This function is available when a SiriusXM Satellite Radio Receiver is connected through the dedicated connection.

Note:

SiriusXM satellite radio is a subscription service.
Please contact SiriusXM Radio to begin or alter your subscription.

Selecting a Satellite Radio mode

Press the **[SiriusXM]** button on Main Menu display. The system changes to the SiriusXM Satellite Radio mode. The SiriusXM mode screen is displayed.



1- Previous program Button
2- Next program Button
3- Setting Button
4- Band switch Button
5- Show signal status
6- Current program information
7- All program list Button
8- Preset List Button
9- System time
10- Program style list Button
11- Program list
12- Keypad Button
13- Current program ID3 information
14- Category Scan Button
15- Current program name
16- To delete the selected preset programs/Store the program

Confirming Your Radio ID

Touch the [ ] button on the SiriusXM Menu display to enter Settings menu.

Channel Selection

1. Touch the [Channel] button on the SiriusXM Menu display to enter channel list preview mode. You can select any channels in list directly.

2. Select the channel with[ ] [ ]. Only channels that can be received are selected. Channels that are locked and channels not covered by the contract will be skipped. The receiver seeks the next available channel below or above the current channel.

Channel Selection with the channel number

1. Touch the direct access button on the SiriusXM Menu display to enter direct channel selection.
2. Enter the channel number of your desired station by touching the **[0]** to **[9]** keys.

If you enter a wrong number, you can cancel it by touching the [Clear] key.

3. Touch the [OK] key. The radio channel you entered will be tuned.

Presets Channel Selection with the channel number

A total of 22 satellite radio stations each band can be stored in the receiver's memory. You can access the presets by pressing the Presets button. This allows you to store your favorite satellite radio stations in the memory for later recall.

1. Touch [Preset] button and enter the preset menu.

2. When the desired radio station is not displayed, press and glide the track list up or down.

Preset Store

1. Touch and hold the corresponding preset key for more than 2 seconds to save the current channel.

2. Touch the [Store] button to save the current channel to the first empty place in presets list.

Deleting a Preset

If current channel is already in presets list, the [Store] key will become to [Delete] key, press [Delete] key to remove current channel from presets list.

Receiving Stations by Category

Satellite Radio allows you to select broadcast channel category (contents).

1. Touch [Category] button to enter category mode.
2. Press and flick the category list up or down.
3. Touch the desired category item key to enter channel lists belonging to this category.
4. Select the desired channel by touching it momentarily on the list.
5. Right flick this channel list to go back to category list.

Parental Controls Lock Channels

1. Touch [>] button to enter setting page.
2. Touch [Set] button in Lock item to enter pass code screen, enter the right code to enter lock list.
3. Press and flick the track list up or down.
4. Touch the channel item, and it will be locked or unlocked alternately.

Setting the password

1. Touch [ ] button to enter setting page.

2. Touch [Set] button in password item to set a new pass code following the screen indicator.

If you enter a wrong number, you can cancel it by touching the [Clear] key.

Note:
You must input the correct code to enter lock list. When you try to tune to a locked channel by direct tune keypad, it will display password keypad. Only entering correct code can tune to that channel, otherwise it will go back to the previous channel.
The default pass code is 0000.

Instant Replay

1. Touch [ ] button to enter setting page.

2. Touch [Replay] button in Instant Replay item to enter Instant Replay mode.

1- Playback Status
2- Fast Backward Button
3- Play/Pause Button
4- Fast Forward Button
5- Back to list interface
6- Show broadcast schedule and time display

AUX1/AUX2 Operations

External peripheral devices, including a game console, camcorder, navigation unit, iPod/iPhone, etc. can be connected to the AUX 1 or AUX 2 connector on the front or back of this unit using the A/V media cables.

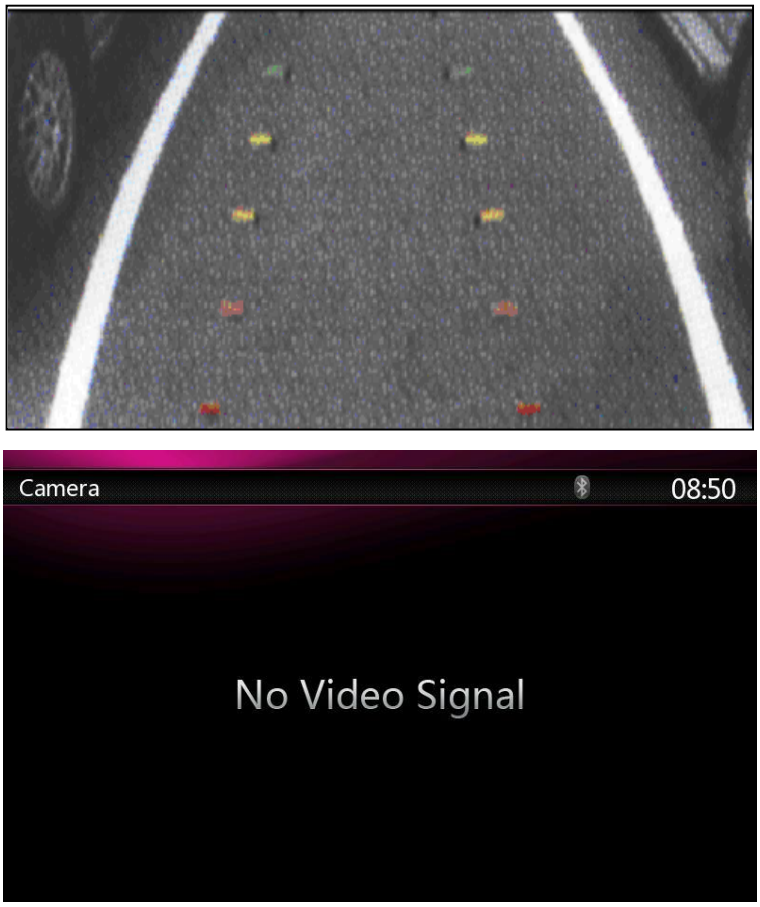
Switching to AUX IN / AV IN mode

Press **[AUX 1]** or **[AUX 2]** button on Main Menu to select desired mode (when unit is reading). If the external device connected to AUX 1or AUX 2 input have audio signal, the unit will broadcast audio of external device. Press Menu button on Operational Panel to return to the Main Menu.
You cannot directly control external devices connected to AUX 1or AUX 2 input.

Camera Operations

Switching to Camera mode

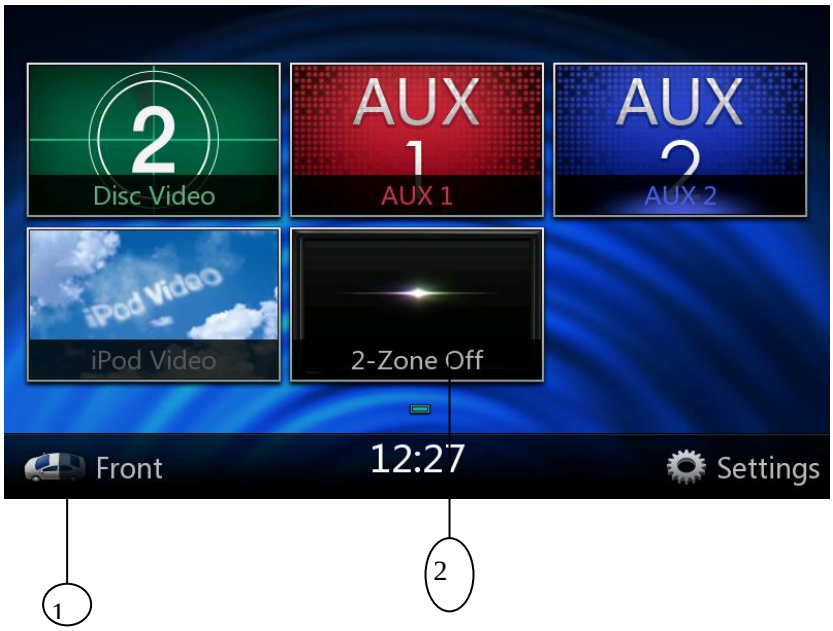
Press **[Camera]** button on Main Menu to select desired mode.
The LCD will display the external camera video. The screen will display "No Video Signal" menu, if a valid camera is not connect to this head unit.
Press Menu button on Operational Panel to return to the Main Menu.



Note:
If the reverse cable is connected correctly to the car, the head unit to go to camera mode automatically when the car is in reverses.

Rear Source Operations

If a monitor is installed in the rear zone and connected to the rear zone AV output, passengers in the back seat can control the DVD output using the rear zone remote control. See “Multi-Zone Remote Control” for instructions.
Rear Source includes Disc Video, AUX1, AUX2 and iPod Video.



1- Press the button to access the front source.
2- Press the button to close the rear source.

Multi-Zone Operation

Independent sources can be played simultaneously on the unit. For example, a FM/AM console can be playback on the front screen while DVD video is available to rear passengers. But now can't select DVD video in front.

Access Rear-Zone

1. Touch the Rear button [Rear] on Main Menu to access the Rear Source.

2. Use the Multi-Zone Remote Control to access the Rear-Zone and select a source to play.

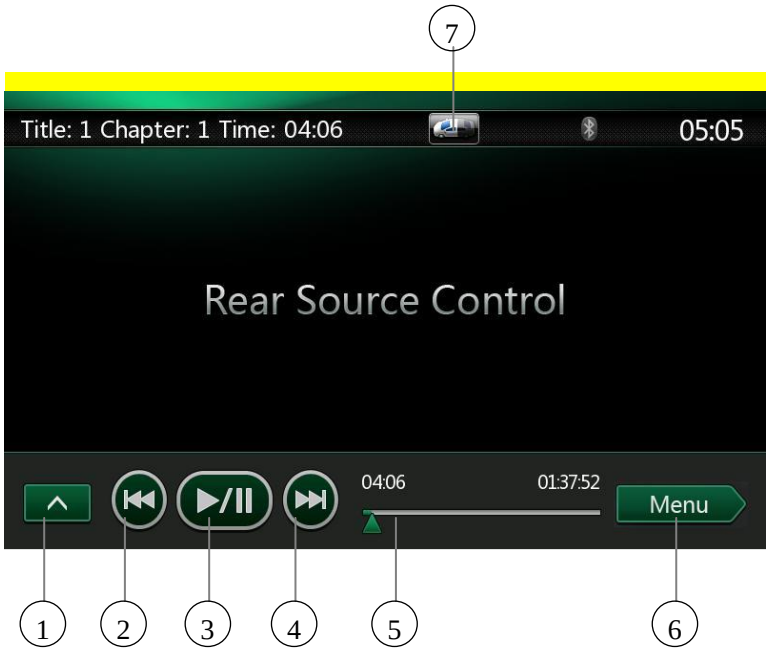
Exit Rear-Zone

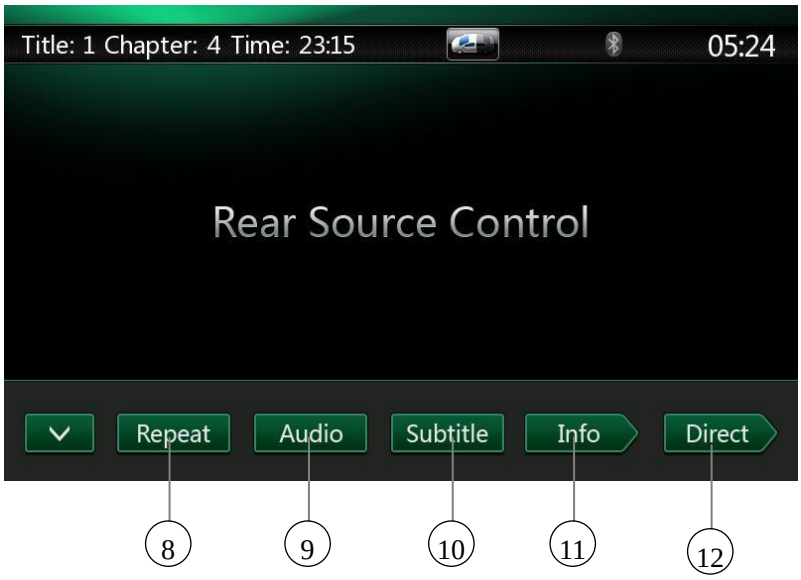
1. Touch the 2-Zone off **[**2-Zone Off**]** button **to close the Rear Source.**
2. Use the Multi-Zone Remote Control to closed

NOTE:

1. If the source is selected as the front, the source in rear can't be selected.
2. If the source is selected as the rear, the source in front can't be selected.
3. Press the Front Button Front to access the main menu but not close the Rear Source.

DVD Video in Rear





1- [ ]: Next Row Buttons
Press the button can display the hidden button.
2- [ ]: Previous video.
3- [ ]: Play or Pause video.
4- [ ]: Next video.
5- Elapsed playing time indicator.
6- [Menu]Menu Button

7- [ ]:Front/Rear switching button

If the screen displays Rear Source, press [ ] to switch to Front Source.

If the screen displays Front Source, Press [ ] to switch to Rear Source.

8-[ ]: Audio Channel switching Button.

Use to repeat the Title or Chapter.
Press once to start Repeat Chapter. Press again to activate Repeat Title. To turn Repeat off, press same button again. Repeat symbols are displayed in the info window in the upper left area of the screen.

9- [ ]:Audio Channel switching Button

10-[ ]: Subtitle switching Button

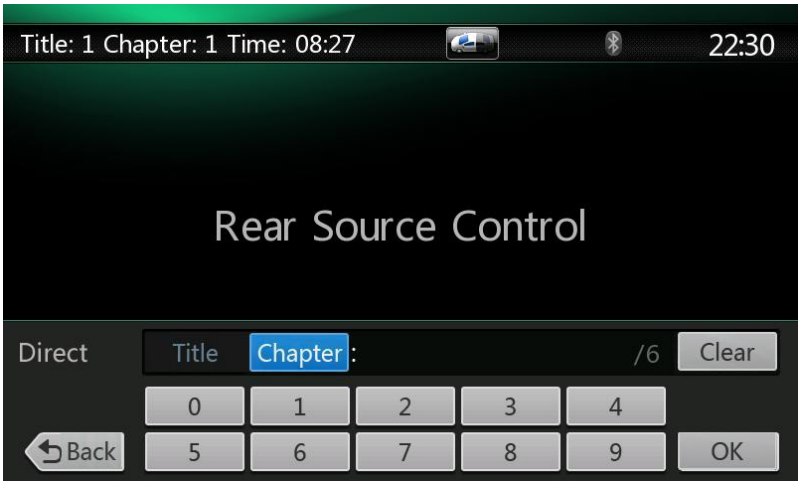
11- [ ]:INFO Button

12- [ ]: Direct chapter or title searching Button

DVD Video Rear Source Control Info mode.

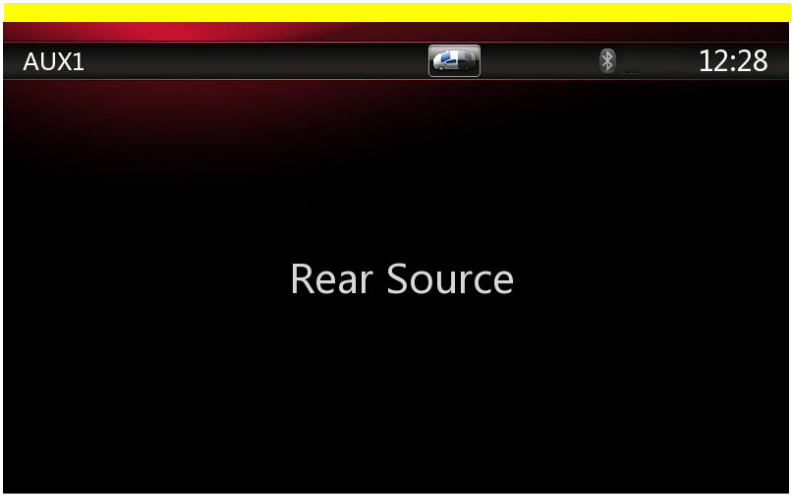
Press [ ] button to return.

DVD Video Rear Source Control Direct mode.

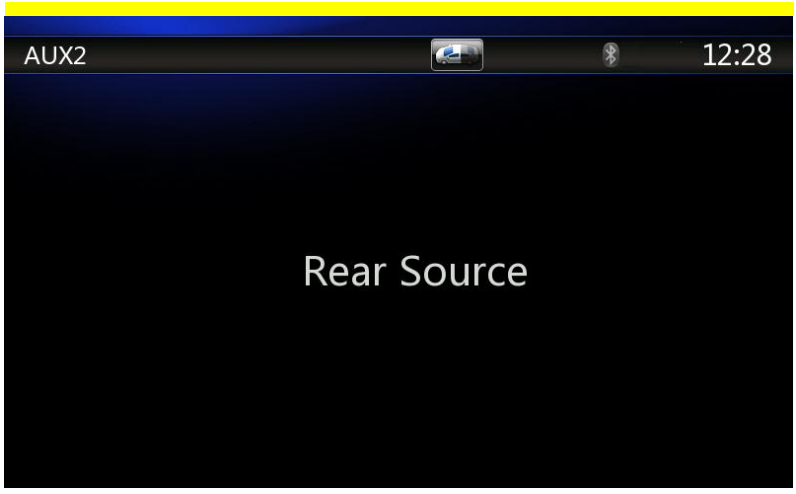


NOTE: More detail please refer to DVD Video Front source.

AUX 1 in Rear

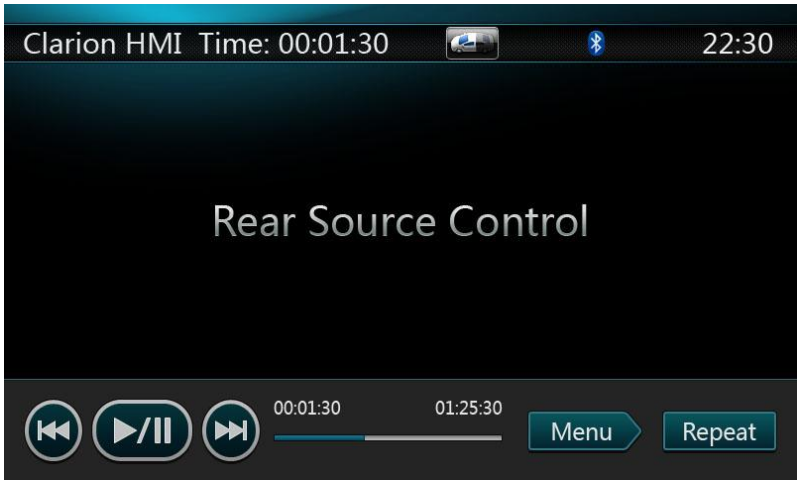


AUX 2 in Rear



iPod Video in Rear

iPod Video Rear Source Control Play Mode

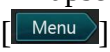


2- [ ]: Previous video.

3- [ ]: Play or Pause video.

4- [ ]: Next video.

5- Elapsed playing time indicator.

5 - [] Menu:

Press the Menu button can display the iPod Video Rear Source mode screen.

6-[ ] Repeat Button (Same as iPod function of front source)

7 -[ ]/[ ]:Front/Rear button

If the screen displays Rear Source, press [ ] to switch to Front Source.

If the screen displays Front Source, Press [ ] to switch to Rear Source.

iPod Video Rear Source ID3 Mode

NOTE:

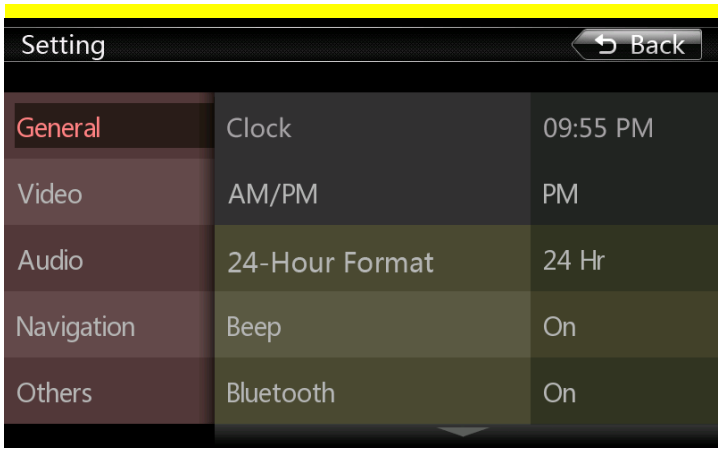
4. If the source is selected as the front, the source in rear can't be selected.
5. If the source is selected as the rear, the source in front can't be selected.
6. Press the Front Button Front to access the front main menu but the rear source will keep running.

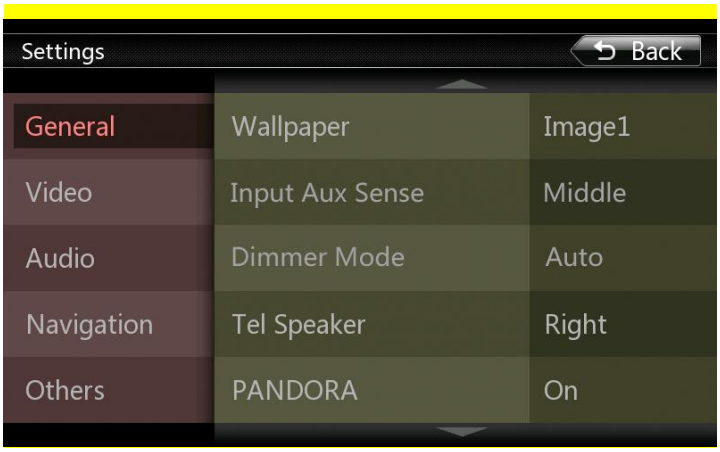
Setting Operation

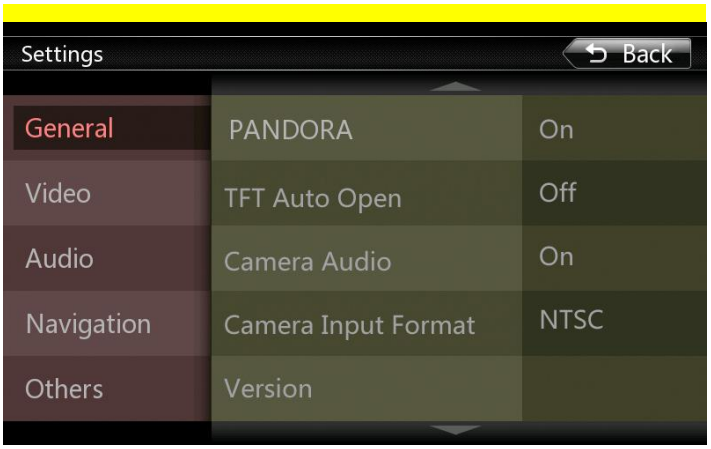
Press **[** Setting **]** button on the Main menu screen.

The Setting menu screen will be displayed.

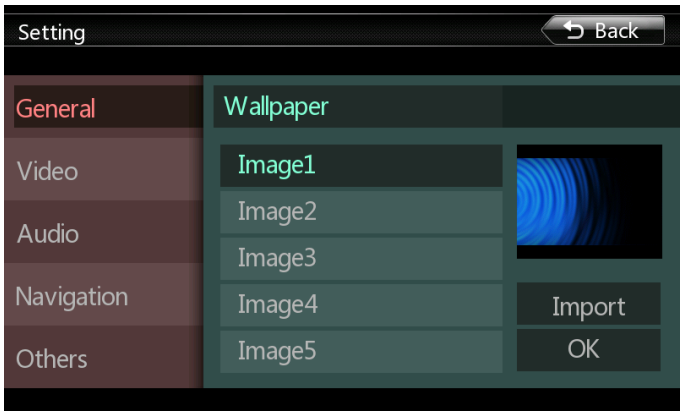
General Setup Menu

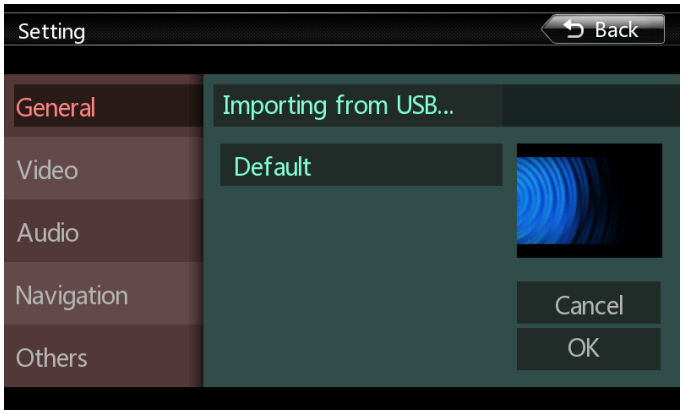






Clock: Set system clock.
AM/PM: Set AM or PM when current time mode is 12HR mode.
24-Hour Format: Set the time display mode.
Beep: Turn on or turn off the beep confirmation sound.
Bluetooth: Set the Bluetooth ON or OFF.
Wallpaper: Choose the desired wallpaper.

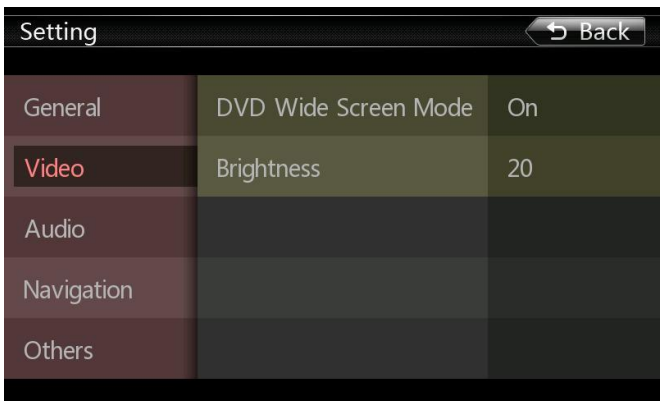




Input Aux Sense: Auxin input switch, including Low, Mid, High.
Dimmer Mode: Select screen dimmer mode. There are three options, Day, Night and Auto.
Tel Speaker: There are two options, Left and Right. For example, if current setting is Left, when BT phone is coming in, only left speaker can hear the phone.
PANDORA: Set PANDORA On or Off.
TFT Auto Open: There are two options, On and Off. If current setting is On, the TFT screen will slide out automatically when the system is power on. If current setting is Off, the TFT screen will always keep the last position when the system is power on.
Camera Audio: There are three options, Off ,On ,Mute. When the car is in reverses, if current setting is Off ,current source will continue play; if current setting is On ,current source will pause and camera audio will play; if current setting is Mute , system mute.
Camera Input Format : There are two options, NTSC and PAL
Version: Display the software version information.

Note:
• **AM/PM** and **Clock** can be adjusted when set the system time not to be synchronized with GPS local time.

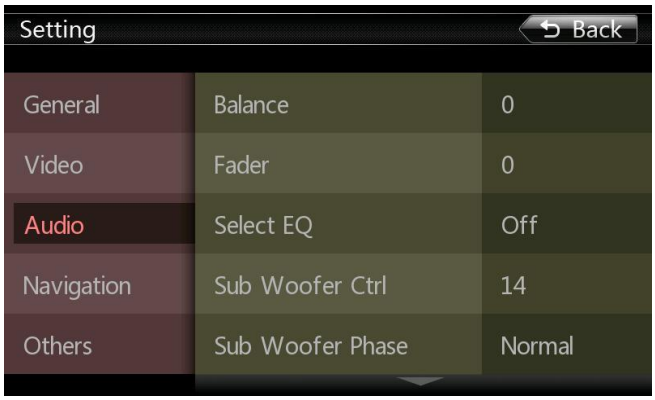
Video Setup Menu

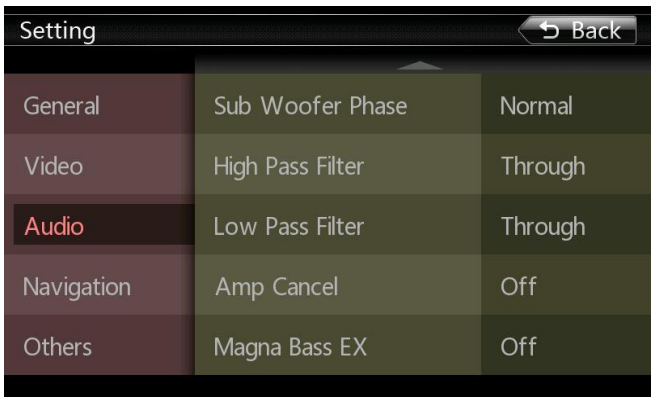


This menu includes: DVD Wide Screen Mode; Brightness.

DVD Wide Screen Mode: Set the DVD wide screen mode on or off.
Brightness: Set brightness value from 0 to 20.

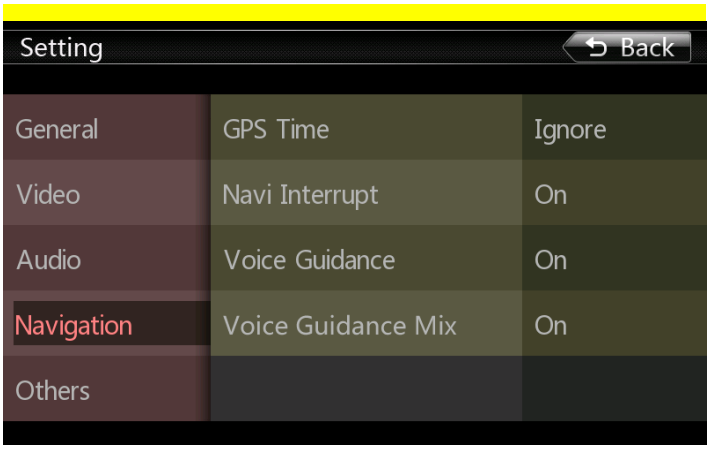
Audio Setup Menu





This menu includes: Balance, Fader, Select EQ, Sub Woofer Ctrl, Sub Woofer Phase, High Pass Filter, low Pass Filter, Amp Cancel and Magna Bass EX.
Balance: Choose the desired volume for left and right speaker.
Fader: Choose the desired volume for front and rear speaker.
Select EQ: Choose the desired mode: Bass Boost, Impact, Excite, Custom and OFF.
Sub Woofer Ctrl: Choose the desired sub woofer gain from 0 to 14.
Sub Woofer Phase: Choose the sub woofer phase normal or reverse.
High Pass Filter: Choose the high pass filter through/55HZ/85HZ/120HZ.
Low Pass Filter: Choose the low pass filter through/62HZ/95HZ/135HZ.
Amp Cancel: Choose the amplifier audio output on or off.
Magna Bass EX: Choose the loudness on or off.

Navigation Setup Menu



This menu includes: GPS Time, Navi Interrupt, and Voice Guidance

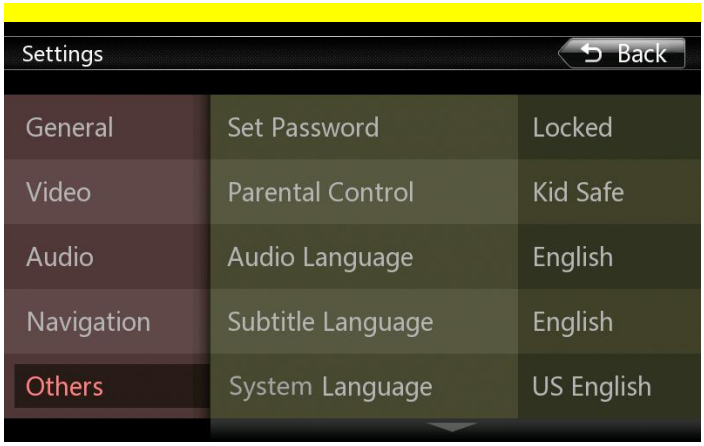
GPS Time: Set the system time to be synchronized with GPS local time or not.

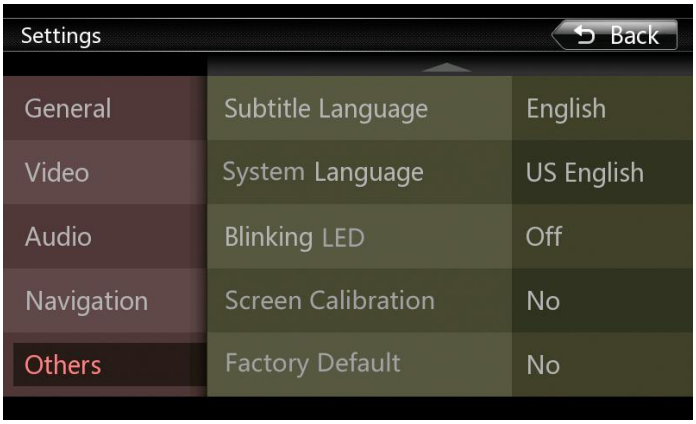
Navi Interrupt: There are three choose: On/Popup/Off. "On": The navigation screen will cover to AV screen when reaching some key point. "Popup": When small turn info window will pop up in the top of the AV screen to indicate the key point. "Off": Turn off this function.

Voice Guidance: Enable or disable the navigation voice guidance.

Voice Guidance Mix：There are two choose: On/Off. "On": The navigation voice guidance will play at the same time and the voice of the current source. "Off": Only the navigation voice guidance. (Voice Guidance On)

Others Setup Menu

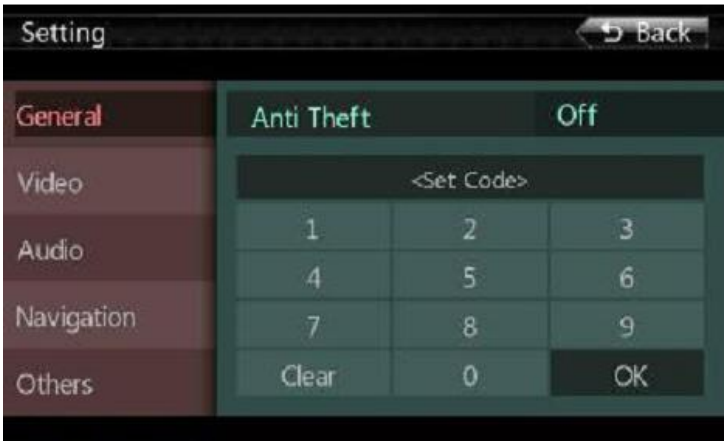




Set password: Set the password for DVD parental control.
Parental control: Set the rating of the age. It contains Kid Safe/ G/ PG/ PG- 13/PG-R / R / NC- 17 / Adult.
Audio Language: Set the Language for DVD Audio.
Subtitle Language: Set the Language for DVD subtitle.
System Language: Set the Language for system screen.
Blinking LED: Select the blinking LED On/Off.
Screen Calibrate: The function of it is to select the TS Calibrate YES or NO.
Factory Default: The function is to select to load factory default or not.

Set the Anti-Theft code

1. If your unit is unlocked, hold the [General] button more than 2 seconds, then the Anti-Theft setting mode will display. Users can change anti-theft code. Click [**Yes**], the numerical keypad is displayed. Enter the new password twice, then anti-theft code is set and your unit is secured.



When the Anti-theft is “On”, you need enter correct Anti-theft code to turn the unit on. If you enter wrong code three times, the unit is locked, and must be unlocked by the professionals.

2. If your unit is secured, hold the [General] more than 2 seconds, then the Anti-Theft setting mode will display. The numerical keypad is displayed; enter the right code to unlock.