

10. USB/SD VIDEO OPERATIONS

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

Note:

- This system will not operate or may operate improperly with some USB/SD memory.
- Files protected with any DRM cannot be played.

Notes on Using USB/SD 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/SD Audio Player mode.

Notes on the Tag titles

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

Select USB/SD Video Mode

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

- When an USB/SD memory is already connected

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

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

Note:

You can select the desired USB/SD by touching the list of USB/SD root menu.

This system indicate the USB/SD as "My USB", "My SD" on the list.

Playing Video Files in USB/SD 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.

Playable Video Format

*.mp4 files

- format: MPEG4 Visual
MPEG4 AVC (H.264)
- Picture size: 1280 X 720 (MPEG4 Visual)
1280 X 720 (MPEG4 AVC)
- Audio format: AAC
- Audio sampling frequency: 32/44.1/48 KHz

*.m4v files

- format: MPEG4 Visual
MPEG4 AVC (H.264)
- Picture size: 720 x 480
- Audio format: AAC
- Audio sampling frequency: 32/44.1/48 KHz

*.mpg files

- format: MPEG2
- Picture size: 720 x 480
- Audio format: MP3
- Audio sampling frequency: 32/44.1/48 KHz

*.3gp files

- format: MPEG4 Visual
H.263
- Audio format: AAC, AMR
- Audio sampling frequency: 8/16/32/44.1/48 KHz



- 1 - Previous Track /Fast Backward button
- 2 - Play/Pause button
- 3 - Next Track/Fast Forward button
- 4 - Elapsed playing time indicator/Seek bar
- 5 - Menu List
- 6 - Repeat button
- 7 - System time
- 8 - Bluetooth status indicator
- 9 - Playback information
- 10 - Shortcut button

Play/Pause Playback

1. Touch [] button to Pause playback.
2. Touch [] button to resume playback.

Switch to Previous/Next file

Touch [⏮] or [⏭] button during playback to play previous /next file.

- Touch [⏭] button to starts playback from the beginning of the next track.
- Touch [⏮] button to starts playback from the beginning of the current track; when this button is touched again within about 5 seconds, playback starts from the beginning of previous track.

Repeat Playback

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

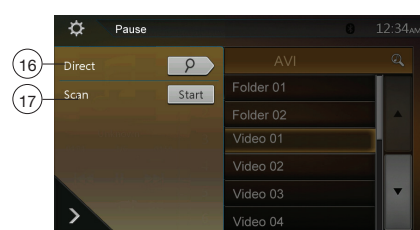
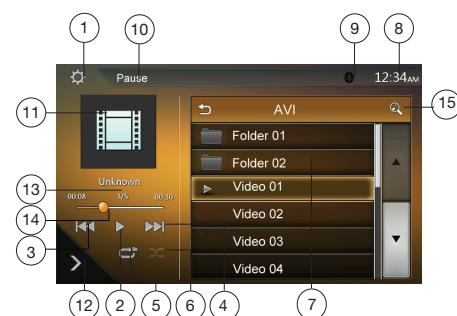
Touch the [🔄] button once for Repeat Track, again for Repeat Folder, again for Repeat All.

Skip Using Seek Bar

Touch the [🔍] on seek bar and drag it to any position where you want to start playback.

Switching USB/SD Video Menu

Touch [≡] button playback will be paused, and the screen will switch to USB/SD Video List.



- 1 - Option button
- 2 - Play/Pause button
- 3 - Previous Track /Fast Backward button
- 4 - Next Track/Fast Forward button
- 5 - Repeat button
- 6 - Shuffle button
- 7 - Video files in list
- 8 - System time
- 9 - Bluetooth status indicator
- 10 - Playback status information
- 11 - Album Art

12 - Shortcut button

13 - Current file information area

14 - Elapsed playing time indicator/Seek bar

15 - Alphabet search button

16 - Direct button

17 - Scan button

Play/Pause Playback

*On USB/SD 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

Touch [⏮] or [⏭] button during playback to play previous /next file.

- Touch [⏭] button to starts playback from the beginning of the next track.
- Touch [⏮] button to starts playback from the beginning of the current track; when this button is touched again within about 5 seconds, playback starts from the beginning of previous track.

Repeat Playback

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

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

Shuffle Playback

1. Touch [🔍] button to shuffle the tracks in playing folder during playback.
2. Touch this button again to turn off the feature.

Alphabet Search

Touch [🔍] button to search with alphabet in current list.

Current File Information Area

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

Skip Using Seek Bar

Touch [🔍] 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/SD Audio mode.

Selecting a Track on the Display List

This operation is same as this in USB/SD Audio mode.

Scanning the Tracks

This operation is same as this in USB/SD Audio mode.

Searching with the Track Number

This operation is same as this in USB/SD Audio mode.

11. iPod OPERATIONS

iPod/iPhone can be connected by using the connector cable supplied with the iPod/iPhone, but in this case, you can enjoy its audio sound only. To enjoy video movies stored in the iPod/iPhone with video displaying them on this unit, it is required to use the special connector cable (CCA-750) separately sold. However the new products such as the device with Lightning connector only can connect 10-pin cable (no video signal output), so these new products cannot display video in video mode.

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 iPod/iPhone

- Do not connect an iPod/iPhone to this unit with a headphone connected to the iPod/iPhone.
- After the iPod/iPhone has been connected to this unit, the buttons of iPod are disabled for operation in the Music mode. In the Video mode, do not operate the buttons of iPod.
- When in the iPod mode, the screen image input from the AUX terminal, is output to the rear monitor.
- When no data is present, the title display will remain blank.
- Set the language setting of iPod/iPhone to English before connecting your iPod/iPhone. Some characters of the other languages may not be displayed correctly in this system.

• Precautions on battery consumption:

If the iPod/iPhone is connected to this unit when the internal battery of iPod/iPhone has run down, this function may not operate correctly. You must connect the iPod/iPhone after charging the battery if it has run down.

iPod Audio Menu Operations

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.

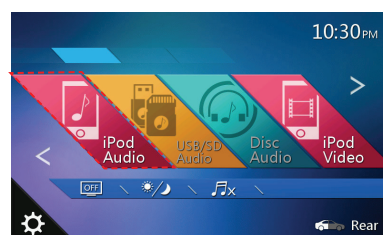
Note:

1. This system has two USB connectors, please connect to the USB with the label of "iPod/iPhone". By connecting another USB cable, iPod/iPhone can't play back the music.
2. When iOS device is connected via both USB and Bluetooth at the same time and select iPod mode, iOS device is controlled by USB connection.
3. When the iPod mode and operate the audio player or internet radio other than iPod, there is a case that iPod

doesn't playback correctly. Please don't operate the audio player or internet radio other than Pandora when the Pandora® mode.

4. During iOS device is connected by Bluetooth, and select the iPod mode, the volume level is controlled by only iOS device.

5. During iOS device is connected by Bluetooth, Album jacket image is not displayed.

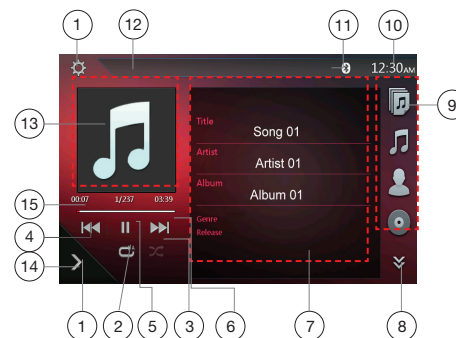


The playback starts after a while, from where the iPod/iPhone has been paused.

- When iPod/iPhone is already connected

Touch the [] button on the Main Menu screen. The system changes to the iPod mode, and starts playback from the previous position.

iPod Audio ID3 Mode Screen



- 1 - Option button
- 2 - Repeat button
- 3 - Shuffle button
- 4 - Previous Track /Fast Backward button
- 5 - Play/Pause button
- 6 - Next Track/Fast Forward button
- 7 - ID3 Information
- 8 - Next Page / Previous Page button

- 9 - Category list
- 10 - System time
- 11 - Bluetooth status indicator
- 12 - Playback status indicator
- 13 - Art work
- 14 - Shortcut button
- 15 - Progress bar

Play/Pause Playback

1. Touch [⏏] button to pause during playback.
2. Touch [▶] button again to resume playback.

Switch to Previous/Next file

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

Fast Forward /Fast Backward

Touch [⏮] or [⏭] button and hold more than 2 seconds 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

* depend on iPod.

1. Touch the [🔁] button once for Repeat Track, again for Repeat All, again for Repeat Off.

Shuffle Playback

1. Touch [🔀] button to shuffle 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.

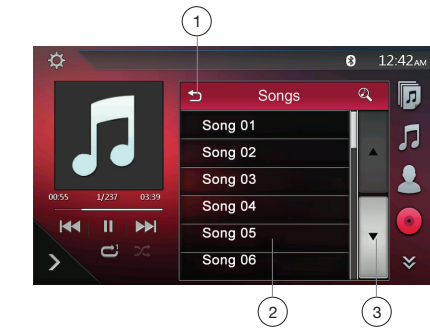
ID3 Information Area

This area display ID3 information of playing file: song title, artist information, album information (Genre, playlist and release time).

Category List

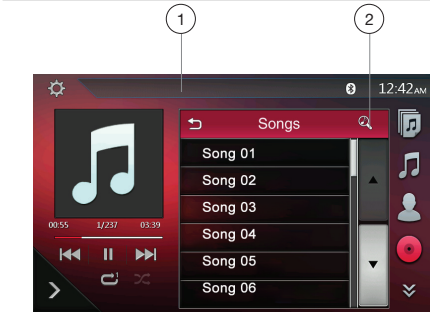
Select different category songs to play. The category is same as the iPod/iPhone.

iPod Audio Playlist Mode Screen



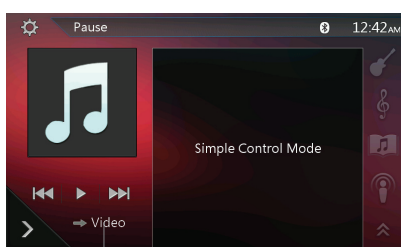
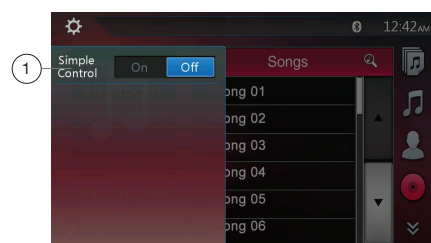
- 1 - Back to father folder
- 2 - Playing list
- 3 - Page turning button
- In the ID3 information mode screen, touch the ID3 info area to switch the playing list, and in the playing list mode screen, touch the button [🔍] to back to the father folder. If the list is in root, touch it to close the list.

iPod Audio List Mode Screen



- 1 - Back to father folder
- 2 - Alphabet search buttont
- Touch the button[🔍] to back to the father folder. If the list is in root, touch it to close the list.
- Touch the button[🔍] to search with alphabet in current list

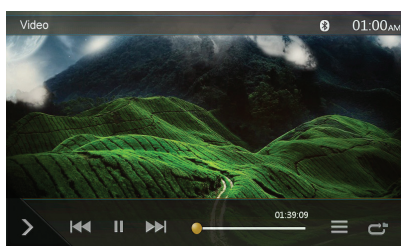
iPod Audio Simple Control Mode Screen



1 - Simple Control button.

2 - Video Mode button.

- If the Simple Control is set to [Off] in option menu, the screen will become Simple Control Mode. It can also display the video of iPod/iPhone regardless it is iPod Audio or iPod Video mode. But only "Previous Track", "Play/Pause" and "Next Track" can be operated.
- Touch [Video] the video will play from iPod.



Skipping a Track (Simple Control Mode)

Touch the [Previous Track] or [Next Track] button during playback. Tracks are skipped, as many times as the button is touched, and playback starts.

- Touch the [Next Track] button to starts playback from the beginning of the next track.
- Touch the [Previous Track] button to starts playback from the beginning of the current track.

When this button is touched again within about 5 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.

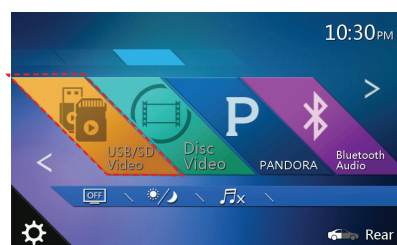
Selecting a list item from a list screen

- (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 Video Menu Operations

Connect your iPod/iPhone to the USB connector.

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 [iPod Video] button on the Main Menu screen.

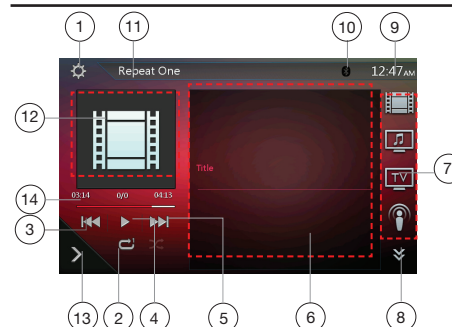
The system changes to the iPod Video mode, and starts playback from the previous position.

Touch 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



- 1 - Option button
- 2 - Repeat button
- 3 - Previous Track button
- 4 - Play/Pause button
- 5 - Next Track button
- 6 - Playing File title
- 7 - Category list
- 8 - Next Page[⏮] / Previous Page[⏭] button
- 9 - System time
- 10 - Bluetooth Status indicator
- 11 - Playback Status indicator
- 12 - Art work
- 13 - Shortcut button
- 14 - Progress bar

Play/Pause Playback

- 1. Touch [⏮] button to pause during playback.
- 2. Touch [⏭] button again to resume playback.

Switch to Previous/Next file

- Touch [⏮] or [⏭] button during playback to play previous /next file.
- Touch [⏭] button to starts playback from the beginning of the next track.
- Touch [⏮] button to starts playback from the beginning of the current track.

Repeat Playback

* The repeat set as the factory default is depend on iPod/iPhone.

- 1. Touch the [⏮] button once for Repeat One, again for Repeat All, again for Repeat Off.

Album Art work

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

ID3 Information Area

The area is display the title of the playing file.

Category List

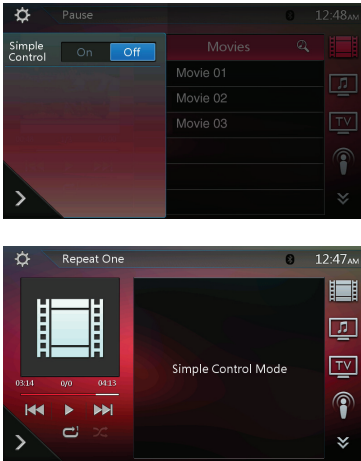
Select different category movies to play. The category is same as the iPod/iPhone.

iPod Video List Mode Screen



This operation is same as this in iPod Audio mode.

iPod Video Simple Control Mode Screen



This operation is same as this in iPod Audio mode.

iPod Video Play Mode Screen





- 1 - Previous Track /Fast Backward button
- 2 - Play/Pause button
- 3 - Next Track/Fast Forward button
- 4 - Progress bar
- 5 - Menu List button
- 6 - Repeat button
- 7 - System time
- 8 - Bluetooth status indicator
- 9 - Playback information

Play/Pause Playback



- 1. Touch [⏮] button to pause during playback.
- 2. Touch [⏭] button again to resume playback.

Switch to Previous/Next Track

- Touch [⏮] or [⏭] button during playback to play previous /next track.

- Touch  button to starts playback from the beginning of the next track.
- Touch  button to starts playback from the beginning of the current track; when this button is touched again within about 5 seconds, playback starts from the beginning of previous track.

Fast Forward /Fast Backward


Touch  or  button and hold more than 2 seconds to start fast backward or fast forward during playback. Release the button will continue playback with normal speed.

Note:

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

Repeat Playback

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

Touch the  button once for Repeat One, again for Repeat All, again for Repeat Off.

Note:

The operation in iPod video mode is as same as iPod Audio mode. Please refer to the iPod Audio Mode operation.

Note:

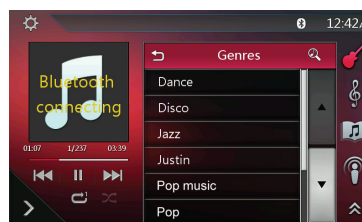
Video playback is not available on all iPod/ iPhone devices. Please contact your Clarion dealer for details.
An optional connection cable or accessory may be required for this feature.

Note:

- Video is not 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.

iPod Audio Bluetooth Mode

When your iPod/iPhone have connected via Bluetooth to this unit, you can also enter iPod Audio mode. The operation is same as the normal iPod Audio mode.

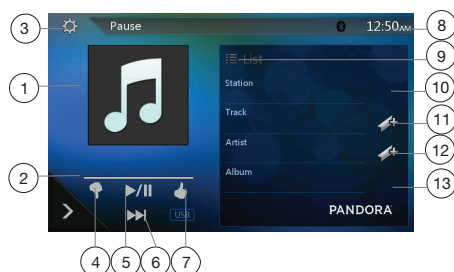


12. Pandora® OPERATIONS

If you have any issues with the Pandora application on your mobile phone, please direct them to pandora-support@pandora.com.

Selecting the Pandora Mode

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



- 1 - Art Work
- 2 - Progress bar
- 3 - Settings button
- 4 - Thumbs down

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

- 5 - Play/Pause button

Use to control playback and pause.

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

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

- 6 - Next track button
- 7 - Thumbs up
- 8 - System time
- 9 - List button

Touch 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)

Touch **[Next]** 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 function will not available.

• Track rating

Touch **[Thumbs down]** or **[Thumbs up]** button to Thumbs down or Thumbs up current track, and the button will light.

Note:

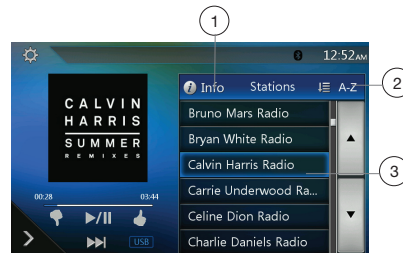
- Touch **[Next]** button will skip to next track (skip limit has not been reached).
- Some track is not able to be rated (i.e. audio ads and shared station content). The thumbs buttons will disable.

• Bookmarking

Touch **[Bookmark]** 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

Touch this button to display Information Screen.

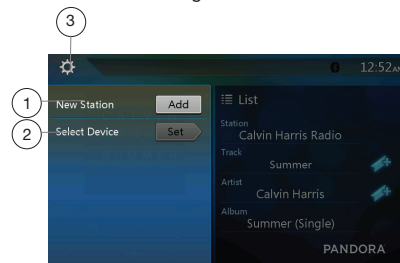
- 2 - **[A-Z]** button

Touch this button to sort the list by first letter, touch again to sort the list by date.

- 3 - Station list, touch to select station play.

When the desired station is not displayed, touch and flick the station list up or down.

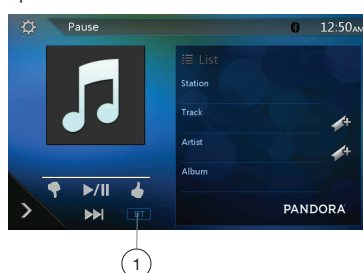
- Pandora Mode Setting screen



- 1 - Add a new Station
- 2 - Select a device
 - This "Select Device" key is use when connect iPhone by the USB and connect the Android by Bluetooth. The default setting, the USB connection has priority
- 3 - Close the setting screen

Pandora® Bluetooth Mode

When your mobile phone have connected to the unit via Bluetooth. You can also enter the Pandora mode. The operation is same as the normal Pandora mode.



- 1 - BT mode

When connected via Bluetooth. This icon will change from USB to BT

Note:

1. Pandora internet radio may not be available in all areas due to government restrictions.
2. When the Pandora mode start, this system chooses the previously connected device (Android or iOS). When it is connected Android(BT), iPhone(BT or USB) together, and "Do not show again" is not checked, display the popup of choose device.
3. When connect the mobile phone by Bluetooth or USB when the Pandora mode, there is a case the change device button works correctly. We recommend that after finished the Pandora mode, then connect other mobile phone.
4. When the Pandora mode and operate the audio player or internet radio other than Pandora, there is a case that Pandora doesn't playback correctly. Please don't operate the audio payer or internet radio other than Pandora when the Pandora mode.
5. During Pandora playback in the Pandora mode with the Bluetooth connection, the volume level is controlled only by the mobile phone side. (Both iOS devise and Android)

13. 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:

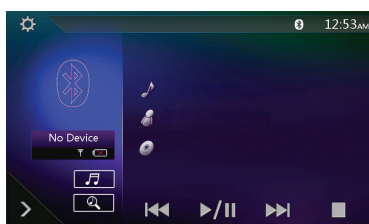
- This system will not operate or may operate improperly with some Bluetooth audio players.
- For detailed information on the playable Bluetooth audio players, see our home page: www.clarion.com

Selecting the Bluetooth Audio Mode

1. Touch the **[BT Audio]** button 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.

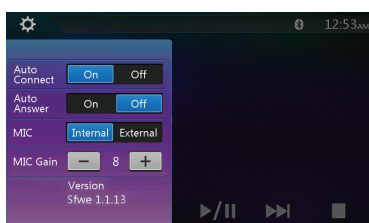
2. Press MENU button on Operational Panel to return to the Main Menu.
- When the connection with blue icon a Bluetooth audio player has been established, the **[BT]** icon is displayed at the top of the screen.



Bluetooth Audio Player Settings

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

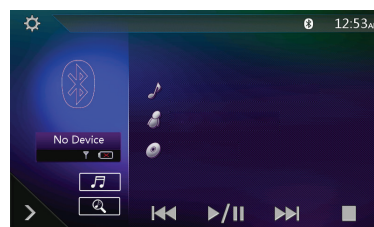
1. Touch the **[Settings]** button to display the information on the screen.
2. When you finish confirming the Bluetooth information, touch the **[Settings]** button to return to the previous screen.



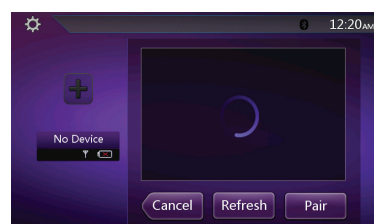
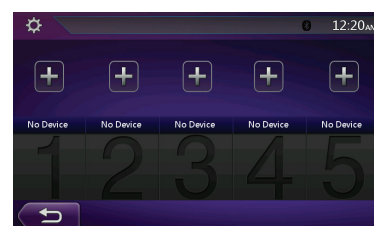
Registering Your Bluetooth Audio Player (Pairing)

You can register up to 5 Bluetooth audio players. Your mobile phone Bluetooth version is under 2.0. Please input PIN code "0000".

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



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



4. Touch your desired device button and touch **[Pair]** button to register for the Bluetooth audio player. Then select an image of this device.