## *DVD Video Player Operations*

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.

○ Root Folder
▭ Folder
♪ File

Layer 1   Layer 2   Layer 3   Layer 4   Layer 5
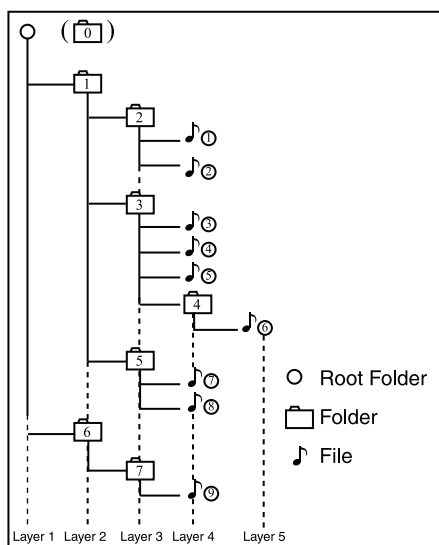
The player will only recognize three folder levels and does not display folders containing other folders. In the example above, the unit will display folders 3, 4, 6, and 8, but not 2 and 7 since they do not contain others.

Playback Picture Menu

The picture on the display comes with the different functions to operate.
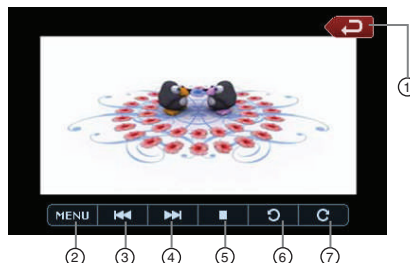
1.	Back Button
2.	Menu Button
3.	Previous Picture Button
4.	Next Picture Button
5.	Stop Button
6.	Rotate Picture counterclockwise
7.	Rotate Picture clockwise

- Touch **[▶▶|]** button to play next picture.
- Touch **[|◀◀]** button to play previous picture.
- Touch **[■]** button to stop playing.
- Touch **[◌]** button to rotate picture 90° counterclockwise.
- Touch **[◌]** button to rotate picture 90° clockwise.
- Touch **[MENU]** button to return to disc root Menu.
- Touch **[⤶]** button to return to the Main menu.

Sirius Satellite Radio Operations

This function is available when a Sirius Satellite Radio Receiver is connected through the dedicated connection. This unit requires the following receiver:
SIRIUS Satellite Radio Receiver: SC-C1

Note:
SIRIUS satellite radio is a subscription service. Please contact Sirius Radio to begin or alter your subscription:
• Internet: www.sirius.com
Telephone: 888-539-SIRIUS (747487)

Selecting a Satellite Radio mode

Press the **[SIRIUS]** button on Main Menu display. The system changes to the Sirius Satellite Radio mode. The Sirius mode screen is displayed.
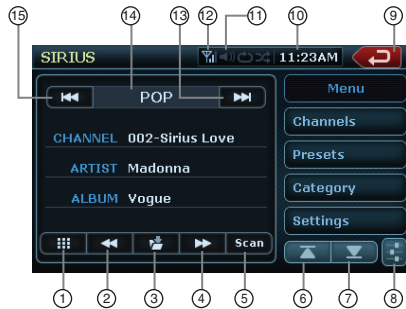
1. Keyboard Button	8. EQ Button
2. Previous Channel Button	9. Back Button
	10. Time Display
3. Store Button	11. Mute Display
4. Next Channel Button	12. Satellite Signal
5. Scan Button	13. Next Category Button
6. Previous Page Button	14. Category Name
	15. Previous Category Button
7. Next Page Button	

Information Displayed During Reception

The following information is displayed when the satellite radio cannot be received normally.
• When the receiver is turned on the first time or after a reset: **"UPDATING"** followed by a percentage of completion.
• When a channel is being tuned in (no signal is yet received): **"ACQUIRING SIGNAL"**
• A channel without a broadcast has been selected: **"INVALID CHANNEL"**
• A channel not covered by your contract: **"CALL 888-539-SIRIUS"**

Call (888) 539-747487 to activate your radio.
• When a channel is out of air time: **"OFF AIR"**
• When the antenna is disconnected or has been damaged: **"ANTENNA ERROR"**

Confirming Your Radio ID

1. Touch the **[▦]** keyboard button on the SIRIUS Menu display to display the keypad. Enter **"0"** and press **"OK"**.
Your SIRIUS ID (12-digit number) will be displayed.
2. Touch the **[Settings]** button on the SIRIUS Menu display to enter Settings menu.
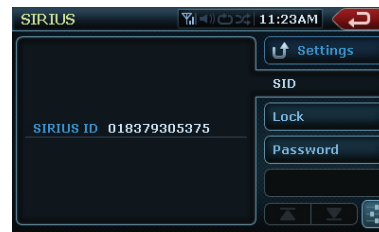
2. Press **[SID]** button. Your SIRIUS ID (12-digit number) will be displayed.

Channel Selection

1. Touch the **[Channels]** button on the SIRIUS Menu display to enter channel list preview mode.
2. Select the channel with the **[◀◀]** or **[▶▶]**. 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.
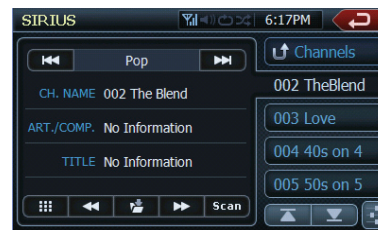
Channel Selection with the channel number

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

Sirius Satellite Radio Operations

If you enter a wrong number, you can cancel it by touching the **[BACK]** key.
3. Touch the **[OK]** key.
   The radio channel you entered will be tuned.

Channel Selection with the channel number

A total of 20 satellite radio stations 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 the **[Preset...]** button to enter the preset list to select or save your presets.
2. Touch **[ ]** or **[ ]** button to view previous or next page.
* There are 5 pages of preset memory space available for your use. You can scroll the pages using the scroll bar buttons to the right of the screen.
3. Touch the **[Preset...]** key to return to the previous screen.

Auto Preset Store

1. Touch and hold for more than 2 seconds the corresponding preset key to save the selected channel.
2. Touch the **[ ]** button to save the current channel.

Deleting a Preset

1. Touch **[Preset...]** button and enter the preset menu.
2. Touch the preset button you would like to delete.
3. Touch the **[DEL]** button to delete it.
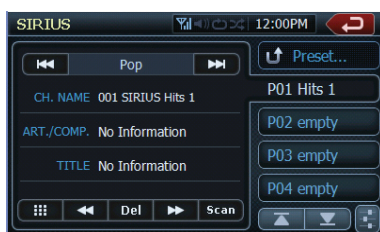
Receiving Stations by Category

Satellite Radio allows you to select broadcast channel category (contents).
1. Touch **[Categories]** button to enter category mode.
2. Touch **[ ]** or **[ ]** button to view all valid category.
3. Touch the desired category item key to select the category.
4. Select the desired channel by touching it momentarily on the screen.
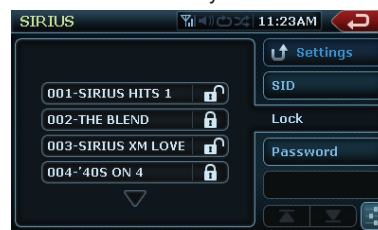
Note:
When the category selection mode is entered, the category of the last received channel is displayed first.
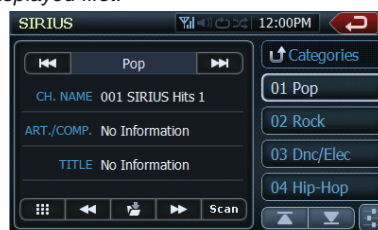
Parental Controls Lock Channels

1. Touch **[Settings]** button to enter setting list.
2. Touch **[Lock]** button to enter lock list.
3. Touch **[ ]** key to view next page in the lock list.
4. Touch the channel item, and it will be locked or unlocked altenately.

Setting the password

1. Touch **[Settings]** button to enter setting list.
2. Touch **[Password]** button to enter password mode.
3. Touch **[ ]** to set password.
4. Touch **[ ]** button to remove password.
5. Touch **[Settings]** button to return to Sirius menu.
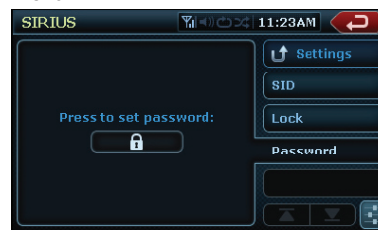
Note:
If you set passwords, you must input the correct code to enter lock list. When you try to locked channel by keypad, it will dispaly password's keypad. Only entering correct code can tune to the channel, or it will be back to the last channel, if a password is wrong.

Navigation System Operations

Introduction to Navigation Software

Navigation software provides turn-by-turn visual and voice assistance to direct you to selected destination. The software quickly calculates step-by-step directions to any destination available on the included navigation map. The navigation software uses Global Positioning System (GPS) satellites, and a digital roadway map database to calculate and display travel directions. The system's GPS antenna receives signals from a constellation of 24 satellites orbiting the earth and uses the strongest of signals, to determine your position to within meters.

Vehicle Position

The navigation software's computer considers vehicle speed and heading changes, together with longitude and latitude information, to accurately determine vehicle heading and position on a digital map. Signals from GPS satellites are used to determine the vehicle location. Three (good) or four (best) satellites must be received to accurately determine location. The GPS   reception status is indicated by the GPS symbol on the map.

Map and Information Database

The map database used by navigation software was created using high-resolution aerial and land based data collection. Car navigation maps are frequently updated. While the database was judged to be as accurate as possible at the time of its release, a map database can never be 100% accurate. Road information that is maintained in the map databases, such as turn restrictions or road names may change over time.

Main Menu Screen Operations

1. After the navigation system is activated by touching "NAVI" button on the Main Menu screen, the warning screen is displayed. Press the button to accept it.
2. The "Main Menu" navigation screen is displayed.

3. Main menu screen has different options:
   Home Address - Route to home address.
   Go To... - Select a destination for navigation.
   Setup - Set preferences for routing and navigation display.
   Office Address - Route to office address.
   Trip Computer - Display speed, trip, odometer reading, clock reading.
4. To operate the navigation system use display function buttons as described below.

|	
	Zoom in the map to show a smaller area
	Zoom out the map to show a larger area
	Return to Map mode Display map in 2D view
	Return to the previous screen
	Display menu, jump to main menu
	Display map in 3D view
	Select current panned position, after panning map.
	Information about current location on the map, mode items
	Select (check) currently highlighted item
	Display spell mode
	Page up, page down in displayed list
	Step up or step down on menu list
	Voice instractions are activated
	Reset button
	Cancel button
	Delete button (Move cell content to Trash can)

Route to home address

1. Touch the **Home Address** button on the screen. If the home address is not set previously, the following screen will be displayed.

Home Address not set.
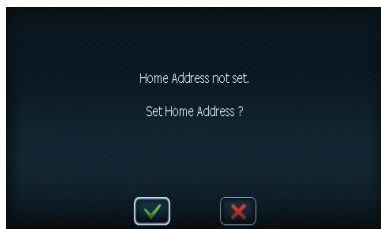
Set Home Address ?

2. Press the check key to display home address set up screen.

Set Home Address

State or Province: CA | Address or Intersection | Point of Interest
Coordinates | History

3. Select one of the option on the screen to set the address. Once the address is set, it will be saved in the software memory.
4. If the home address was saved previously, the screen with address will pop up, after you touched the **Home Address** button. Start your route

Start Route

1500 01st Star Drive, Chula Vista, California, Usa

Start Route
Find POI Near Destination
Setup Routing Criteria

Select the destination

To select the destination press **Go To...** button on Main Menu screen. The **Go To...** screen is displayed.

Go To...

State or Province: CA | Address or Intersection | Point of Interest
Coordinates | Favorites | History
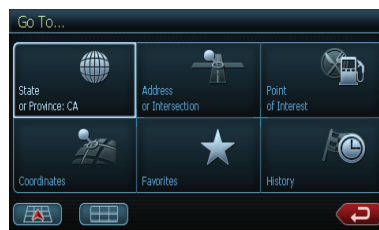
To start your navigation use one of these modes:
Address or Intersection
***Point of Interest***
Favorites
History

Adress or Intersection Mode

1. Press **Address or Intersection**, if you know the street address. The spelling keyboard will be dispayed.

City

Acampo
Acton

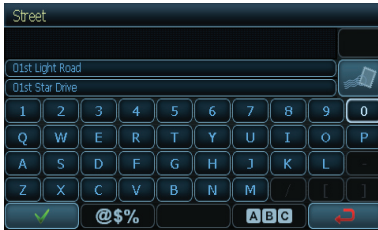| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	L	-
Z	X	C	V	B	N	M	/	[	]

@$% | ABC
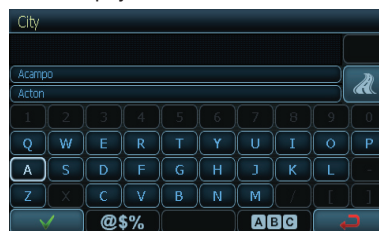
2. Touch the first letter of desired city on the keyboard. The city name will appear on the screen.
3. Touch the [ ] select key. The list of the cities, which name starts with same letter, will be displayed. Press the desired city name.

City

San Bernardino California

Adelanto
Cypress
La Canada Flintridge
Tarzana
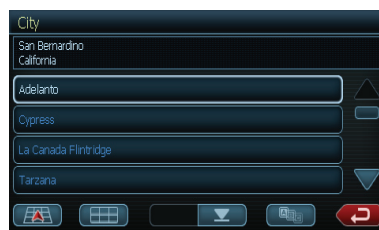
4. Touch street key to dispay street name.
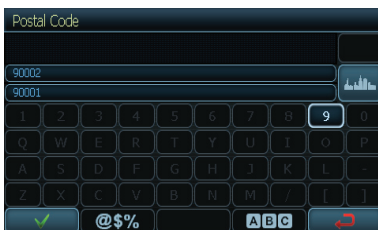   The street screen is displayed.

5. Choose desired street by typing on the keyboard. The list of streets under this letter will be displayed. Press up or down button to go thru the list. Select your street.

Press button to return to the street mode screen.
6. Touch the postal code button to dispay postal code.

Press the select key to dispaly the list of the postal code. Select the desired code and press return key.

Point of Interest Mode

1. Use **Point of Interest** option when you are going to a public place or are looking for some type of facility such as a gasoline station. After selecting the **Point of Interest** option, you must select the State/Province where the destination is located.

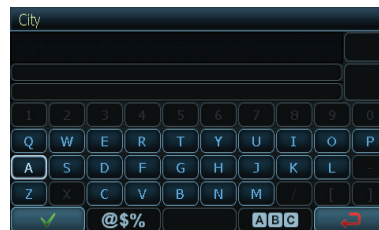**NOTE:** *The system remembers the last State/ Province selected, so this step is not necessary every time.*
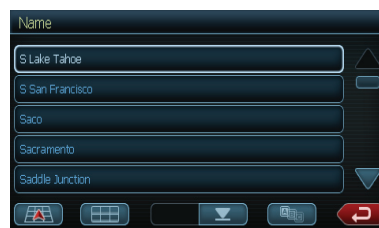2. **Point of Interest** may be searched by Category, City or Name.

• Use **Category** mode, if you are lookig for a certain service or business, like nearest gas station.

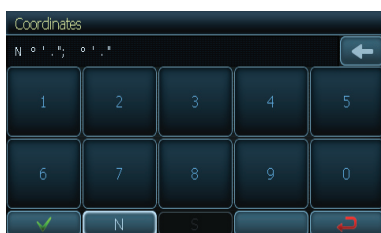• **City** mode - select the city by spelling it's name.

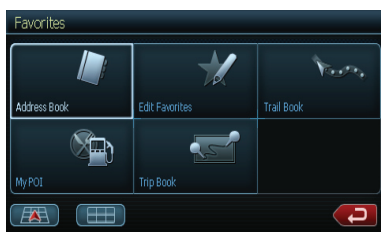• **Name** mode - select the name by typing it.

Coordinates Mode

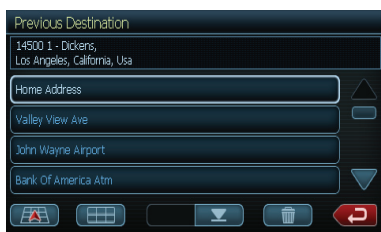You can route to a destination by directly inputting latitude and longitude values.

Favorites Mode

You can select your route to a destination by choosing one of preset favorite places in the **Favorites** mode.

1. **Address Book** is a convenient place to store frequently visited destinations.
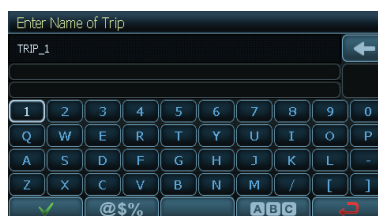

2. **Trail Book** will allow to create your own navigation routes.

3. **My POI** will allow to create and save your personal points of interest.

4. **Trip Book** will allow to navigate multiple destination trip.

Edit Favorites

1. Press this button to edit **Address Book, Trail Book, Trip Book**, **My POI.** The following screen will pop up.

2. Select the mode, you want to edit. The editing screen will be displayed.
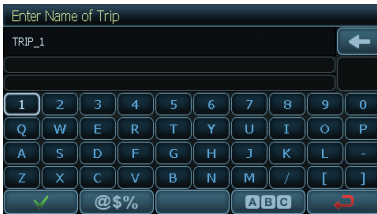
Address Book editing screen:

Trail Book editing screen:

Trip Book editing screen:

My POI editing screen:

History Mode

Previous destinations entered into your navigation software are automatically saved into the memory. This is helpful when you want to return to a recent destination, such as a hotel where you may be staying. The Previous Origin of the last calculated route is also stored for easy return to your start point.

System Preferencies Setup

Press this button to set up your preferences for routing and navigation. The following screen will pop up. Select the mode you want to be set.


1. Press **Setup Routing Criteria** to set up your driving preferences. Check the preferable items on pop up screen.


2. Press **Display Options** to set up your screen display preferences. All the options are listed on 3 screens. Check the preferable items on pop up screen list.
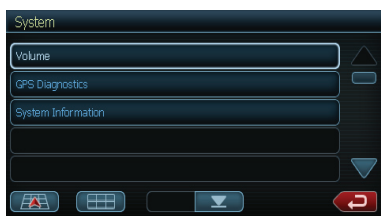
3. Press **User Preferences** to set up your personal preferences. All the options are listed on 2 screens. Check the preferable items on pop up screen list.
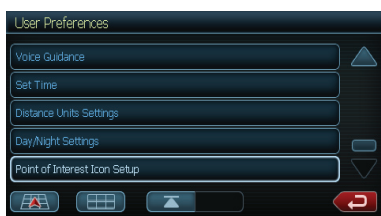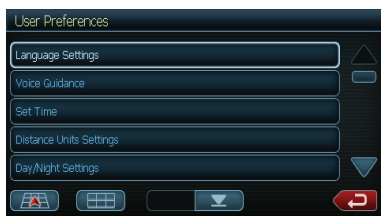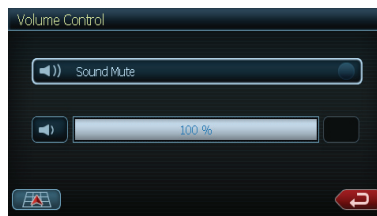

4. Press **Location Reset** to set up your location preferences. Select the item, you would like to reset from pop up screen options.
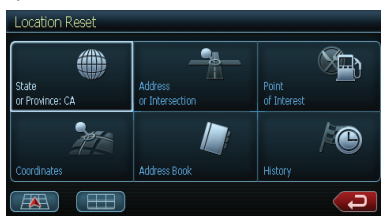
5. Press **System** button. The following screen will pop up.

• Select the **Volume** mode. The popup screen will allow to mute or turn on the system sound.

• Select the **GPS Diagnostics** mode. The information about current GPS condition will be displayed on poup screen.

• Select the **System Information** mode. The information about your navigation system will be displayed on pop up screen.
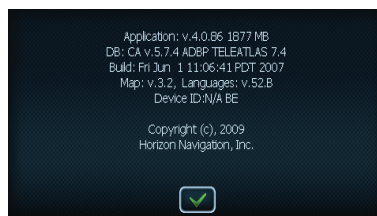
Office Adress Guidance and Setup

Press this button and the **Start Route** screen will pop up.

If the office address is not saved:
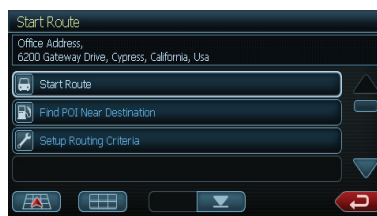• Press the **Favorites** on the **Go To** screen.
• On pop up screen press **Edit Favorites** button.
 The following screen will pop up.

• Press the **Office Address** button.
 The **Set Office Address** screen will be displayed. Fill the information in highlighted items.

Trip Computer Readings and Resets

Press this button to display speed, trip, odometer reading, clock reading.

1. Touch the [ ] button to display the trip informaton items.
 The following screen will pop up.

Touch the arrow keys down or up the list or page to display more listed items.

2. Select the item from dispayed list by touching it.
3. Reset the displayed item by pressing the [ ] reset key. The following screen will pop up.

4. Touch the [ ] check button to accept, or [ ] cancell button to return back to Trip Computer screen.

7. ACCESSORIES

iPod/iPhone Operations

iPod/iPhones 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-723) separately sold.
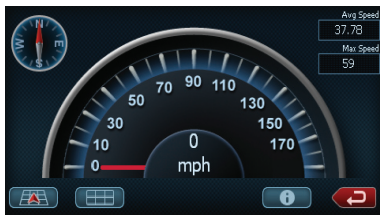
Note:
• *This system will not operate or may operate improperly with unsupported versions.*
• *For detailed information on the playable iPod/iPhone models, see our home page:* www.clarion.com

Notes on using Apple iPod/iPhone

• *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 iPod's buttons are disabled for operation in the Music mode. In the Video mode, do not operate the iPod's buttons.*
• *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.*
• *When no data is present, the title display will remain blank.*
• *The iPod/iPhone is used with the equalizer function turned OFF.*
• *Set the iPod/iPhone's language setting 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 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 mode

1. Connect your iPod/iPhone to the USB connector. The system will automatically detect the connected device and change to the iPod mode. The iPod icon is displayed on the Main Menu screen.
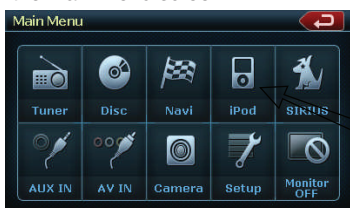
The playback starts after a while, from where the iPod/iPhone has been paused.
• **When a iPod/iPhone is already connected** Touch the **[iPod]** key on the Main Menu screen. The system changes to the iPod mode, and starts playback from the previous position.

Controlling the iPod/iPhone

Operation keys
• iPod audio mode screen

1. Repeat Button	12. Back Button
2. Shuffle Button	13. Time Display
3. Previous Track Button	14. Shuffle Display
4. Scan Button	15. Repeat Display
5. Play/Pause Button	16. Mute Display
6. iPod Video Button	17. Song Title
7. Next Track Button	18. Artist Information
8. Stop Button	19. Album Information
9. Previous Page Button	20. Keyboard Button
10. Next Page Button	21. Slide Bar
11. EQ Button	

[ ] Video key
• Switches to the screen of which the video output from the iPod/iPhone is displayed.
Note:
• *Note that not all iPod/iPhone devices are compatible to output video to this unit.*

NX500/NZ500

iPod/iPhone Operations

[⤬] Shuffle key
• 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.

[❙❙] Play/Pause key
• Use to control playback and pause.
  1. Touch the key during playback. Playback pauses.
  2. To resume playback touch the key again.

[⧉] EQ button
• Use to enter Audio Settings menu to set.

[▦] Keyboard button
• Use to input number to select the track.

[↻] Repeat button
• Use to repeat the selected track.

Skipping a track (searching)

1. 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.

Fast forward and fast backward playback

Press and hold the **[►►❙]** or **[❙◄◄]** buttons on the menu display for fast forward or fast reverse. The first press will advance the music at 2x speed. Following presses will increase the speed to 4x, 8x, and 16x.
Release the button to resume normal playback.

Selecting a list item from a list screen

1. Touch the display list icon in the iPod selection screen.
2. Touch a desired list item on the screen to display the corresponding list of tracks.
   • Use the **[▲]** and **[▼]** keys to scroll the list.
3. Touch the desired track name on the list to play back.
   • Use the **[▲]** and **[▼]** keys to scroll the list.

**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 showing them on the display of this unit (and the rear monitor if connected).
Note:
• *Do not connect the iPod/iPhone to this unit when a Video Playlists item is selected on the iPod/iPhone.*
1. Touch the **[▣]** video key on the iPod audio menu screen. The iPod play video screen is displayed.
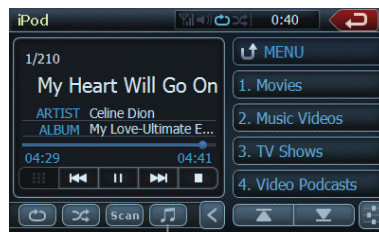
2. Select the type of video, you would like to be played, by touching it on the right side of the menu. The video playback will start.
Note:
Video playback is not available on all iPod/iPhone devices. Please contact your Clarion dealer for details. An optional connection cable or accessory may be required for this feature.

3. To stop the video play, touch the screen. iPod play video menu will be displayed.
4. Touch the **[♪]** audio button (1) to return to the iPod audio menu.
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.*

USB 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 can not be played.*

Notes on using USB memories
* **General notes**
  * When no data is present, the message "NO FILE" will be displayed.
  * The USB memory is used with the equalizer function turned OFF.

* **Notes on the MP3/WMA files**
  * This system can play the MP3/WMA files stored in the USB memory.
  * This system cannot play DivX 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 will be impossible.
  * The maximum allowable number of folders is 512 (including root directory and folders with no MP3/WMA file).
  * The maximum allowable number of files in a folder is 255.
  * You can store the MP3 files, WMA files together in a folder.

* **Notes on the Tag titles**
  The limitations on the Tag titles are same as those in the MP3/WMA modes.

* **Folder representation in the folder list**
  The limitations on the folder representation are same as those in the MP3/WMA modes.

Selecting the USB Memory mode
Connect your USB memory to the USB connector. The system will automatically detect the connected device, and change to the USB mode (USB Memory mode), and start playback after a while. If you reconnect the same device that you disconnected last, the system will play back where it left off.

* **When an USB memory is already connected**
Touch the **[USB]** key to select the USB in a Main Menu mode.
The system changes to the USB mode (Mediai-USB mode), and starts playback from the previous position.

Playing back files in the USB memory
The operations in the USB Memory mode are same as those in the MP3/WMA modes. See "Listening to a CD" for details.
Note:
When performing the fast forward or fast backward function, the playback speed will become 10-time faster. For the VBR files, it may differ depending on the file.

AUX In / AV In Operations

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

⚠ WARNING

For your safety, the driver should not watch the VTR, etc. or operate the controls while driving. Please note that watching and operating the VTR, etc. while driving are prohibited by law in some countries.

NOTE:
For your safety, the unit has a safety function, which turns off the picture when car is moving, so only the audio can be heard. The picture can be only watched, when the car is stopped and parking brake is applied.
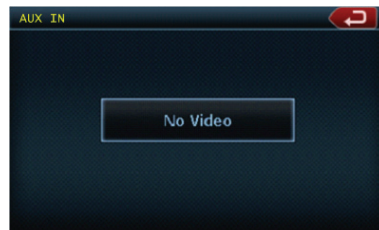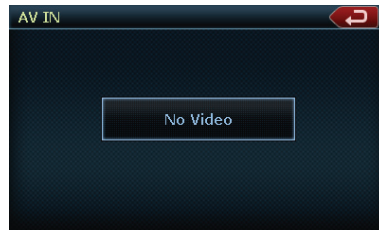
Switching to AUX IN / AV IN mode

Press **[AUX IN]** or **[AV IN]** button on Main Menu to select desired mode (when unit is reading). The LCD will display the external video. The screen will dispaly "No Video" menu, if there is no video signal. You cannot directly control external devices connected to the AUX IN or AV IN input.
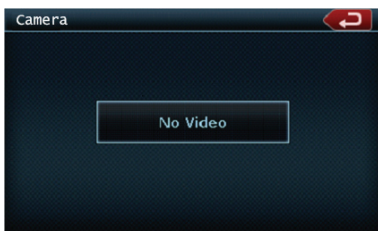

Camera In Operations

Switching to Camera mode

Press **[Camera]** button on Main Menu to select desired mode (when unit is reading). The LCD will display the external video. The screen will dispaly "No Video" menu, if there is no video signal. Press [⟲] back button to return to the Main Menu.

When the video signal is displayed, press right top corner to return to the Main Menu.