TOCLS-OE100
TOCLJ-OE100
Owner's Manual

ADVENT®

Introduction

Congratulations on your purchase of the TOCLS-OE100/TOCLJ-OE100 Mobile Multimedia Receiver. Please read the instruction manual for this product before using. The documentation provided will allow you to fully enjoy all the features this unit has to offer. Please save this manual for future reference.

iPod® Control "iPod" is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. Expanding Systems iPodVTR etc. Expanding audio features Expanding visual features.
Bluetooth® is a trade mark of Bluetooth Special Interest Group (SIG) Inc.

WARNING!
Never install this unit where operation and viewing could interfere with safe driving conditions.

WARNING!
To reduce the risk of a traffic accident (except when using for rear view video camera) never use the video display function while driving the vehicle. This is a violation of federal law.

WARNING!
To prevent injury from shock or fire, never expose this unit to moisture or water.

WARNING!
Never disassemble the unit.

WARNING!
Never use irregular discs.

WARNING!
To prevent damage to the mechanism inside this unit, avoid impact to the unit's monitor.

WARNING!
Using an improper fuse may cause damage to the unit and result in a fire.

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Features

General
- Bluetooth - Bluetooth hands-free profile for safety / convenience and A2DP profile for streaming music from a PDA / PMP
- Navigation Ready
- Infrared Remote Control
- Two Composite Video Outputs for Additional Screens
- One Audio /Video Auxiliary Inputs
- Rotary Encoder Audio Control
- Seven-Band EQ with Eleven Preset EQ Curves
- Rear Camera Input

DVD
- Aspect Ratio - 16 : 9 or 4 : 3
- Fast Forward, Fast Reverse - 2X, 4X, 8X and 16X
- Play, Pause, Stop, Next Chapter and Previous Chapter

CD / MP3 / WMA
- Direct Track Access via Remote control
- Audible Forward / Reverse Track Search
- Random, Repeat and Intro
- Play, Pause, Stop, Next Track and Previous Track

AM-FM
- Station Presets (15 FM1, 15 FM2, 15 FM3, 15 AM)
- Auto Stereo/Mono
- Auto Store/Preview Scan

Sat Radio Ready
- Compatible with XM and Sirius Tuners (Sold Separately)
- Satellite Channel Name, Artist, Song and Categories Displayed on Monitor

iPod
- Access iPod Playlists, Artists, Albums, Songs, *Photos and *Video (* Requires Photo or Video iPod)
- Power Management Charges iPod while Connected
- iPod Interface Cable (included)

Media
- USB - Supports Hard Drives and Flash Memory Drives
- 3.5mm Audio Only Input
- RCA Audio /Video Input

Navigation
The TOCLS-OE100/TOCLJ-OE100 provides turn-by-turn guidance with a large map and points-of-interest data base.

Rear Camera
- The TOCLS-OE100/TOCLJ-OE100 is "camera ready."

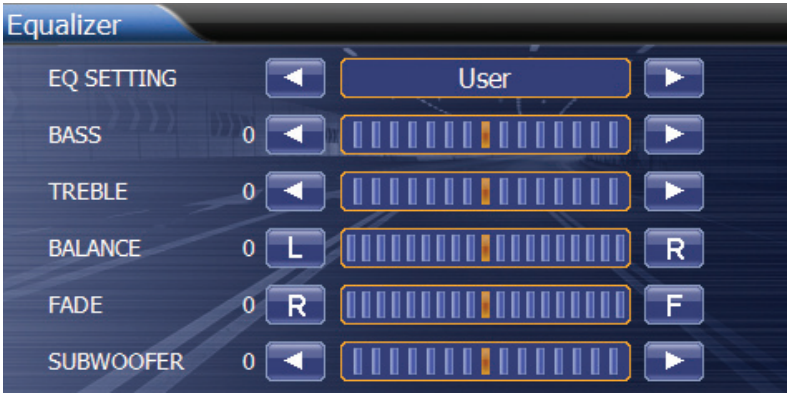
1. **Power on/off and volume control knob**
   Press and hold for 3 seconds to turn the unit off. Press again to turn the unit on. Increase the volume by rotating the knob clockwise. Decrease the volume by rotating the knob counter-clockwise.
2. **REMOTE CONTROL SIGNAL RECEIVER**
   Receives the IR signal from the remote control.
3. **Disc LED Indicator**
   LED which lights red when a disc is inserted in the radio and lights amber when the disc slot is empty.
4. **⏏ Button**
   Press this button to eject a DVD/CD/MP3 disc. Disc play is stopped, the disc is ejected and the unit will change to radio operation. If the disc is not removed from the unit and the button is pressed again, the disc will be re-loaded. If the disc is not removed from the disc slot within 10 seconds of being ejected, it will be automatically re-loaded to prevent it from being accidentally damaged.
5. **Disc Slot**
   Accepts DVD/CD/MP3 discs.
6. **SD Card slot**
   Insert SD card for playback of audio/video files.
7. **MUTE**
   Press the button to mute the audio. Press again to restore the volume.
8. **Scroll Tuning Knob:**
   When the unit is set to Radio mode pressing this button will acquire the next or previous available frequency. When the unit is set to iPod/MP3/USB/SD player mode, this button will select a song in iPod/MP3/USB/SD player mode or channel in Satellite radio mode.

9. **NAV Button**
   Press this button to access the Navigation mode.
10. **DEST Button**
   Press this button as a shortcut to access the Navigation mode and enter a desired destination.
11. **REPEAT Button**
   Press to repeat the voice guidance or instructions while in the Navigation mode.
12. **MENU Button**
   Press this button to access the main menu.
13. **AV IN Jack**
   Jack (3.5mm) which provides an audio or video input jack.
14. **Reset Button**
   Press to reset system to correct a system halt or other illegal operation, use the tip of a pen to press the reset button.
15. **Microphone**
   The microphone is located on the left side of the unit. For best reception, speak loudly and clearly.
16. **AUDIO Button**
   Press to switch the various audio sources applied to the unit. Press and hold for 2 seconds to turn the audio off.
17. **FAV Button**
   Press to access AM, FM and Sat. Radio presets. For example changing the program mode from Sat. Radio to DVD, and then pressing the FAV button, the program will return to Sat. Radio and display the presets list at the same time. Press to access the desired preset list (Group 1 through 6, each containing 5 presets). When the desired group is accessed, press and hold the preset location for 2 seconds to save the channel as a favorite.
18. **∧ SEEK Button**
   When the unit is set to Radio mode pressing this button will acquire the next available frequency. When the unit is set to iPod/MP3/USB/SD player mode, this button will select the next song in iPod/MP3/USB/SD player mode or channel in Satellite radio mode.
19. **∨ SEEK Button**
   When in the Radio mode pressing this button will acquire the next available frequency. When the unit is set to iPod/MP3/USB/SD player mode, this button will select the next song in iPod/MP3/USB/SD player mode or channel in Satellite radio mode.

Turning the Unit ON or OFF:
Press the front panel PWR button to turn the unit on. The unit can also be turned on buy pressing the front remote control power button. To turn the unit off, press and hold the front panel PWR button for 2 seconds or press the front remote control power button.

Volume Adjustment:
To increase or decrease the volume level, turn the front panel PWR button or press the VOL+/ VOL- buttons on the front remote control. The unit's front panel screen will display the volume level for 3 seconds. The volume ranges from "0" to "40".

Mute:
Pressing the PWR VOL button on the front panel or either the front or the rear remote control will mute the audio from the unit. Press the MUTE button again to restore the audio volume. "MUTE" (or) is displayed on the monitor. Adjusting the volume or using any of the audio setup features cancels the mute function. Also pressing the front panel PWR button will mute or unmute the audio from the unit.



Equalizer Control Menu :
The Equalizer Control menu can be accessed by pressing the front panel TUNE SEL knob or by pressing SEL on either the front or rear remote control. The Equalizer Menu features a 6-band graphic equalizer, which allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer. The Equalizer Control menu applies preset sound effects to the unit's audio output signal. The "EQ SETTING" right or left cursor buttons when pressed, will activate one of eleven operating modes: User, Flat, Jazz, Pop, Classical, Rock, News, Urban, Rave, Movie, Techno. When the "EQ SETTING" is set to a preset sound, such as Flat, Jazz, Pop etc.,the bass and treble levels cannot be changed. Press the TUNE SEL Knob to exit the equalizer menu screen.

NOTE: All the various audio settings can only be adjusted when the "EQ SETTING" is set to USER.

Audio Adjustments:

1. Press the unit's front panel TUNE SEL button or press SEL on either the front or rear remote control to access the Equalizer Control Menu.
2. Press and hold either the left/right cursor buttons to move the highlight on the feature to be adjusted to a negative or positive value. To left of the cursor buttons is a numerical value for the feature being adjusted.

The Equalizer Control menu can be accessed by pressing the front panel TUNE SEL button or by pressing SEL on either the front rear remote control.

Main Menu:
The Main Menu can be accessed by pressing the front panel MENU button or by pressing MENU on the front panel remote control. The Main Menu allows the selection of function source for the front and rear zone. The function source can be selected by pressing the front panel buttons, the function icon on the units front panel screen or using the front remote control. When using the front remote control press the MENU button. The Main Menu will be displayed. The various function sources can be selected using the cursor buttons to highlight the function and then pressing the OK button.

System Reset:
To correct a system halt or other illegal operation, use the tip of a pen to press the reset button located on the front bottom right corner of the unit.

MAIN MENU

AM/FM:
Press to access AM/FM TUNER mode.

CD/DVD:
Press to access CD/DVD mode, (CD/DVD must be inserted).

SD CARD:
Press to access the contents of the SD Card (SD card must be inserted).

USB:
Press to access the contents of the USB thumb drive (USB thumb drive must be connected).

BLUETOOTH:
Press to access the Bluetooth menu.

CAMERA:
Press to access a signal from an external camera.

REAR:
Press to display DVD video in the rear of a vehicle equipped with rear monitors.

SETUP:
Press to access the unit's setup menu The setup menu consists of a submenu which contains General, Video, Audio, and other unit settings.

AV 2:
Press to access the audio video input (AV2) mode. The input can be various media devices such as an iPod etc. When an iPod is connected to the unit, the AV2 icon will change to iPod.

AV 1:
Press to access the AUX INPUT mode.

NAV:
Press to access the navigation mode.

SAT:
Press to access the satellite radio function.

NOTE: This button will change depending on the optional satellite radio subscription service that is chosen (XM or SIRIUS). The button will display the logo of the Satellite Service.

RADIO MENU

RADIO-FM Icon:
Indicates the frequency band that is currently playing. When pressed the user is returned to the Main Menu.

Antenna Icon:
As the strength of the radio signal increases, the number of illuminated segments will increase.

ST Icon:
This icon appears when the radio station frequency is broadcasted in stereo.

HD Icon:
Indicator appears when the unit is tuned to a radio station frequency that contains a HD Digital AM or FM radio signal.

Auto Icon:
Indicates the radio frequency signal reception mode. Refer to the A/D icon for more details.

Bluetooth Icon:
The icon will be light blue when paired to a device and gray when not paired.

Time Display:
Displays the time as entered by the user in the SETUP Menu, clock function.

Preset List:
Provides a display of the preset frequencies. Press to recall preset stations or press and hold to store a station. When the station is stored, a confirmation beep is heard. During radio operation, pressing the screen will tune to frequency indicated. The radio can store fifteen FM1, fifteen FM2, fifteen FM3 and fifteen AM frequency presets.

Preset List Next Icon:
Press to access the next page in the preset list.

Mute/ Un-mute Icon:
This button is used to mute the volume from the radio. By pressing the button, a Mute indication will appear on the speaker icon and the volume will be muted.

Preset List Previous Icon:
Press to access the previous page in the preset list.

<< Icon:
Press the icon and the additional buttons on the lower portion of screen are hidden. >> Press the icon again and the additional buttons are displayed on the screen.

DISP Icon:
Press to display the radio frequency and radio station call letters. In addition to the above information, certain stations will display banner messages.

PTY Icon:
Press to access the program type related search function. Refer to the PTY Screen.

A/D Icon:
Press to select the radio frequency signal reception mode. The choices consist of Digital (D), Analog (A) and AUTO. This icon indicates the radio signal type that the unit is set to access. When the unit is set to analog only analog radio signals will be accessed. When the unit is set to digital only digital or HD radio signals will be accessed. When the unit is set to automatic (AUTO) the unit will access both analog and digital (HD) signals. When the content of the analog and digital channel are the same, the unit will access the digital signal automatically. Refer to the HD Sub-Channel Screen.

AS Icon:
Press to access the Auto-Store Tuning feature which will automatically scan and enter up to fifteen strong stations into the fifteen preset memory locations. If you have already set the preset memories to your favorite stations, activating the Auto-Store feature will erase those stations and enter the new strong stations. This feature is most useful when travelling in an area where you are not familiar with the local stations.

P1/4 Icon:
If current channel is a HD Radio channel with multiple digital sub-channels this button will be illuminated. Press to select the sub-channels present. Refer to HD Sub-Channel Screen.

HD Icon:
Press to access high definition audio channel list if it is being broadcasted by the radio station. If the station is broadcasting a HD siginal the button will be illuminated

Keyboard Icon ⌨:
Press to access the direct tuning function. When the icon is pressed a keyboard will appear. The user can enter the desired radio frequency, press OK and the unit will tune to the frequency. Refer to the Direct Tuning Screen.

BAND Icon:
Press to select or change the radio band (AM or FM1, FM2, or FM3). When the band is changed the presets associated with the band will also be displayed.

PTY SCREEN

PTY Icon:
Press to change the display to the main radio screen. Press the icon again and the multi-line display format returns. When the PTY function is enabled, pressing a category (news, sports, talk etc.) will cause the unit to search for the desired topic.

Call Letters:
Displays the radio station call letters of the radio station currently playing.

Category List:
The unit contains thirty two categories that can be searched. These categories consist of topics such as news, sports, types of music etc.

Category List Next:
Press to access the next page in the category list.

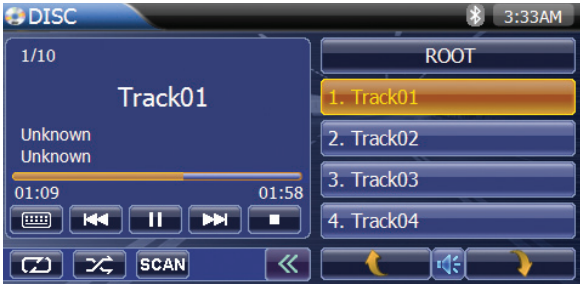
Category List Previous:
Press to access the previous page in the category.

HD SUB-CHANNEL SCREEN

If the currently playing radio channel is a HD Radio channel with multiple digital sub-channels pressing the HD Icon button will display all the sub channels. The radio must be set to DIGITAL or AUTO to receive the HD signal and sub-channels. Pressing a HD sub-channel in the list will cause that channel to be played.

DIRECT TUNING SCREEN

When the Keyboard Icon is pressed in the Radio Screen a keyboard will appear. The user can enter the desired radio frequency using the numeric keypad. Once the desired frequency is entered press OK and the unit will tune to the frequency.



AUDIO DISC MENU

DISC Icon:
Indicates that a disc is in the unit. When pressed the user is returned to the Main Menu.

Bluetooth Icon:
The icon will be light blue when paired to a device and gray when not paired.

Time Display:
Displays the time as entered by the user in the SETUP Menu, clock function.

Preset List:
Provides a display of the tracks contained on the disc. During disk operation, pressing the track number on the screen will access and play the track.

Preset List Next Icon:
Press to access the next page in the preset list.

Mute/Un-mute Icon:
Press to mute the volume. A mute ( ) indication will appear on the speaker icon and the volume will be muted.

Preset List Previous Icon:
Press to access the previous page in the preset list.

■ Icon:
Press the icon to stop playback of the track.

<< Icon:
Press the icon and the additional buttons on the lower portion of screen are hidden. >> Press the icon again and the additional buttons are displayed on the screen.

Next Icon:
Press the icon to access the next track on the CD. Each momentary tap of the icon will proceed to the next higher track number. Press and hold to fast forward at 2x, 4x, 8x,16x normal speed. Release the icon and return to normal playback speed.

►/II Play/Pause Icon:
Press the icon to begin playback. Press the icon again pause playback.

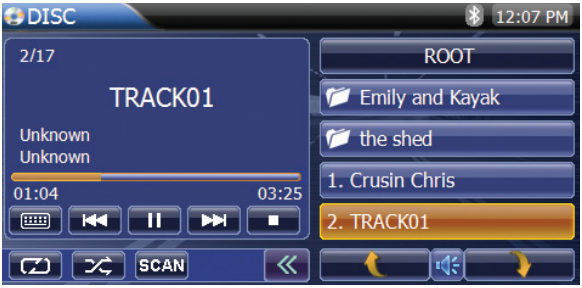
Previous Icon:
Press the icon to access the previous track on the CD. Each momentary tap of the icon will proceed the next lower track number. Press and hold to fast forward at 2x, 4x, 8x,16x normal speed. Release the icon and return to normal playback speed.

SCAN Icon:
Press to access the scan function which will play the first 10 seconds of each track on the disc. When a desired track is reached, press the Scan button again or the highlighted track in the preset list to cancel the function. Play of the selected track will continue.

Icon:
Press to access the random play function. This function will play the songs on the CD in a random, shuffled order. The random play icon ( ) will appear on the display panel. In random play mode, pressing the Next icon ( ) or the Previous icon ( ) will also select tracks in a random order instead of the normal progression. Additional presses will select tracks in random order. Press the random play ( ) icon to cancel the random play mode. The random play icon ( ) will disappear on the display panel.

Keyboard Icon:
Press to access the direct access song selection function. When the icon is pressed a keyboard will appear. The user can enter the desired track number and press OK. The track will begin to play. Also pressing the numeric keypad on the front remote control will also cause the keyboard to appear.

Icon:
Press the icon during disc playback to repeat playback of the current song. The following icon will appear (S). Press the icon a second time to repeat all tracks on the disc. The following icon will appear (A). Pressing the icon once again will turn the repeat function off.



NOTE: The adjacent screen is practically the same for SD Cards and USB devices. Aside from identifying the media type in the left corner, the screen contains the same features.

DISC/SD CARD/USB MENU

Audio Mode (MP3, WMA Files)

DISC Icon:
Indicates that a disc is in the unit. When pressed the user is returned to the Main Menu.

Bluetooth Icon:
The icon will be light blue when paired to a device and gray when not paired.

Time Display:
Displays the time as entered by the user in the SETUP Menu, clock function.

Preset List:
Provides a display of the folders, images and tracks contained on the disc. During MP3 operation, pressing the screen folders or images will open the item. Music tracks will play after the disc is read.

Preset List Next Icon:
Press to access the next page in the preset list.

Mute/Un-mute Icon:
Press to mute the volume.
A mute ( ) indication will appear on the speaker icon and the volume will be muted.

Preset List Previous Icon:
Press to access the previous page in the preset list.

■ Icon:
Press the icon to stop playback of the media.

<< Icon:
Press the icon and the additional buttons on the lower portion of screen are hidden. >> Press the icon again and the additional buttons are displayed on the screen.

Next Icon:
Press the icon to access the next track on the disc. Each momentary tap of the icon will proceed to the next higher track number. Press and hold to fast forward at 2x, 4x, 8x,16x normal speed. Release the icon and return to normal playback speed.

►/II Play/Pause Icon:
Press the icon to begin playback. Press the icon again pause playback.

⏮ Previous Icon:
Press the icon to access the previous track on the disc. Each momentary tap of the icon will proceed the next lower track number. Press and hold to fast forward at 2x, 4x, 16x normal speed. Release the icon and return to normal playback speed.

⌨ Keyboard Icon:
Press to access the direct access song selection function. When the icon is pressed a keyboard will appear. The user can enter the desired track number and press OK. The track will begin to play. Also pressing the numeric keypad on the front remote control will also cause the keyboard to appear.

Icon:
Press the icon during disc playback to repeat playback of the current song. The following icon will appear (S). Press the icon a second time to repeat the folder. The following icon will appear (F). Press the icon a third time to repeat all. The following icon will appear (A). Pressing the icon once again will turn the repeat function off.

<u>Image Mode (JPEG Files)</u>

Provides a display of the folders and or images contained on the disc. During JPEG operation, pressing the screen folders or images will open the item. Refer to the JPEG Information Screen.

JPEG Information Screen:
JPEG images can be stored as individual images or in folders. Refer to the image above. When a disc is loaded and read by the unit the root menu will display the contents of the disc. Pressing the folder image will access the contents of the folder. The above image displays the contents of the folder which consists of individual images. The images can be accessed by using the cursor buttons.

Selecting Images or Folders:
When a disc containing JPEG is loaded in the unit, the Root Menu appears automatically. The Root Menu will display the contents of the disc.

1 Press image or use the front remote control ▲ or ▼ cursor buttons to move the highlight to the desired folder or image. Press the desired image or if using the front remote control press OK. The contents of the folder will be displayed on the screen.

2. Press image or use the front remote control ▲ or ▼ cursor buttons to move the highlight to the desired image. If using the front remote control press OK.

JPEG Menu Screen

Arrow Icon:
Press the icon to access the main menu.

Clockwise Rotation Icon:
Press this icon to rotate the image clockwise in 90 degree increments.

Counter Clockwise Rotation Icon:
Press this icon to rotate the image counter clockwise in 90 degree increments.

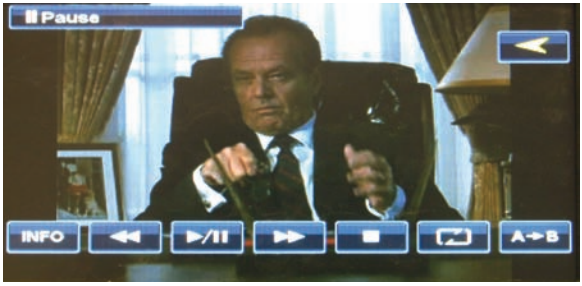
Next Icon:
Press to advance to the next Image.

Previous Icon:
Press to advance to the previous Image.

Stop Icon:
Press to stop the image slide show presentation.

INFO Icon:
Press to view information regarding the image being displayed.

Menu Icon:
Press to create a thumbnail view of the images contained on disc.



MPEG Menu Screen

◄ Arrow Icon:
Press the icon to access the main menu.

A-B Icon:
Press to repeat a specific portion from point A to point B of the disc. During playback press A-B to set the starting point A. Press A-B a second time to set the ending point B. The player will repeatedly play the part between Point A and Point B. Press A-B a third time to cancel A-B repeat and resume playback.

Repeat Icon:
Press the icon during playback to repeat the current chapter. Press the icon a second time to repeat the current title. Press the icon a third time to turn the repeat function off.

■ Stop Icon:
Press to stop playback. To resume playback, press the icon again.

►► Fast Forward Icon:
Press to fast forward at 2x, 4x, 8x, 16x normal speed. Press again and return to normal playback speed.

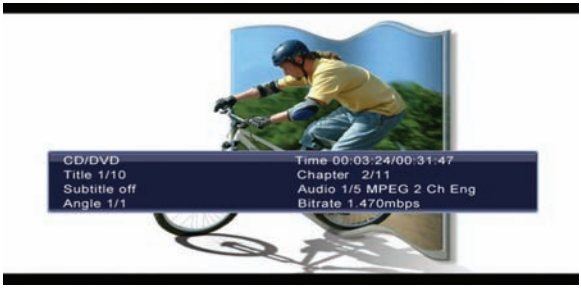
►/II Play/Pause Icon:
Press to begin playback. Press the icon again to pause playback.

◄◄ Fast Reverse Icon:
Press to fast reverse at 2x, 4x, 8x, 16x normal speed. Press again and return to normal play-back speed.

INFO Icon
Press to view information regarding the image being displayed.

DVD MENU

1. **INFO Icon:**
   Press to access information regarding the DVD that is playing. Refer to the DVD Information Screen.
2. **CHAP Icon:**
   Press to search the DVD disc by title, chapter or by elapsed time. Refer to the DVD Search Screen.
3. **A-B Icon:**
   Press to repeat a specific portion from point A to point B of the disc. During playback press A-B to set the starting point A. Press A-B a second time to set the ending point B. The player will repeatedly play the part between Point A and Point B. Press A-B a third time to cancel A-B repeat and resume playback.
4. **Repeat Icon:**
   Press the icon during playback to repeat the current chapter. Press the icon a second time to repeat the current title. Press the icon a third time to turn the repeat function off.
5. **Audio Language Icon:**
   Press the icon during playback to select the audio language. Each time the icon is pressed a different audio language is selected.
6. **SUB.T Icon:**
   Press the icon during playback to select the subtitle language if the disc is recorded in multiple languages. Each time the icon is pressed a different subtitle language is selected. The subtitle function can also be turned on or off.
7. **Arrow Icon:**
   Press the icon to access the main menu.
8. **MENU:**
   Press to display the DVD Root Menu.
9. **Stop Icon:**
   Press to stop disc playback. To resume playback, press the icon again.
10. **Next Icon:**
    Press to advance to the next chapter.
11. **Fast Forward Icon:**
    Press to fast forward at 2x, 4x, 8x, 16x normal speed.
    Press again and return to normal playback speed.
12. **Play/Pause Icon:**
    Press to begin playback. Press the icon again to pause playback.
13. **Fast Reverse Icon:**
    Press to fast reverse at 2x, 4x, 8x, 16x normal speed.
    Press again and return to normal playback speed.
14. **Previous Icon:**
    Press to advance to the previous chapter.



DVD Information Screen

When the DVD information function is activated by pressing the INFO icon, a screen will appear containing DVD disc information.

The information provided consists of the following:

- Current title number
- Total number of titles
- Elapsed playing time for the title
- Current chapter
- Total number of chapters
- Current angle
- Total number angles
- Subtitle On or OFF
- Current audio language and the total number of languages contained in the disc
- Bitrate

DVD Search Screen

When the search function is activated by pressing the CHAP icon, a screen will appear containing the categories title, chapter or elapsed time. Adjacent to the screen is a keyboard which allows the user to enter values for the searched parameter such as title 20, chapter 16, time 4 minutes, 30 seconds 10 milliseconds. Press OK and unit will proceed to that section of the DVD disc.

Settings and Adjustments

Picture (PIC) Button

When watching a program, the picture quality can be adjusted to suit your preferences.

1. Press the PIC button on the front remote control and the front panel displays the "adjustment bar" for BRIGHTNESS.

BRIGHTNESS 11

2. Once the desired adjustment bar is displayed, use the ◄ or ► cursor buttons to adjust the setting from 0 to 20. The brightness will increase or decrease by one increment each time a cursor button is pressed.

The display will automatically turn off if no adjustments are made within 6 seconds or is any other button is pressed.

Screen Mode Select:

1. Press the front panel MENU button and then access the SETUP menu.
2. Select the DVD option.
3. Select the aspect ratio by pressing the IMAGE ASPECT RATIO icon.
4. Select the desired aspect ratio,16:9 or 4:3.

Audio Language Select:

1. Press the AUDIO button on the front remote control or the icon on the front panel.
2. The current language and the total number of languages will be displayed.
3. Press the AUDIO button or the icon again and the audio language will change.
4. Press the AUDIO button or the icon consecutively to obtain the desired language.

Subtitle Display and Language Select:

1. Press the SUB.-T button on the front remote control or the SUB.-T icon on the front panel.
2. The current language and the total number of subtitle languages will be displayed.
3. Press the SUB.-T button or the icon again and the subtitle language will change.
4. Press the SUB.-T button or the icon consecutively to obtain the desired subtitle language.
5. Pressing the SUB.-T button or the icon consecutively and the subtitle off option will appear. The user can turn the subtitles on or off.

Angle Select

Some DVDs contain scenes that have been shot simultaneously from different angles. For a DVD disc recorded with multiple angles, press the ANGLE button on the front remote control to toggle the available angles of the on-screen image.

BLUETOOTH MENU

Bluetooth Icon:
Indicates the unit's Bluetooth menu. When pressed the user is returned to the Main Menu.

Antenna Icon:
As the strength of the Bluetooth signal increases, the number of illuminated segments will increase.

Bluetooth Icon:
The icon will be light blue when paired to a device and gray when not paired.

Time Display:
Displays the time as entered by the user in the SETUP Menu, clock function.

PHONE Icon:
The PHONE feature is enabled only when paired with a wireless phone. Press the PHONE icon to open the direct dial screen.

CONTACTS Icon:
The CONTACTS feature is enabled only when paired with a wireless phone. Press the CONTACTS icon and the contacts from the wireless phone will be transferred to the unit and displayed on the front panel if the function is supported by the wireless phone.

CALL LOG Icon:
The CALL LOG feature is enabled only when paired with a wireless phone. Press the CALL LOG icon and the call register will appear on the front panel if the function is supported by the wireless phone. The call register consists of dialed numbers, received calls, and missed calls.

MUSIC Icon:
The MUSIC feature is enabled only when paired with a wireless phone. Press the MUSIC icon and four control functions will appear if the function is supported by the wireless phone. These are Previous, Next, Play/Pause and Stop.

DEVICES Icon:
Press the DEVICE icon and the devices that are connected to the unit are listed on the on the front panel.

SETTINGS Icon:
Press the SETTINGS icon and various settings associated with Bluetooth are displayed. These settings include Auto Connect, PIN Code, Microphone, and Software Version.

BLUETOOTH OPERATION

Bluetooth® technology has the capability to wirelessly synchronize and transfer data among devices. The Bluetooth audio capabilities can be used for wireless phones hands free applications. Bluetooth has many profiles and the unit is compatible with most Bluetooth enabled wireless phones. Before attempting to use the Bluetooth functions on the unit, please make sure your wireless phone supports Bluetooth functions

NOTE: The line-of-sight distance between this unit and your cellular phone must be 8 feet (2.4 meters) or less for sending and receiving voice and data via Bluetooth wireless technology.

Before using Bluetooth functions, you must pair your wireless phone and the unit. Pairing is a special process used when two devices connect for the first time. The pairing process is used to generate a link key that is used for authentication purposes for future Bluetooth connections between devices. Refer to the procedures for Pairing the Your Wireless Phone and the Unit and Pairing the Unit and a Wireless Phone.

Entering Bluetooth Mode:
Press the unit's front panel MENU button or the MENU button on the front remote control. Then press the SETUP icon. Press the BLUETOOTH icon in the GENERAL Submenu and set the Bluetooth to ON.

Pairing Your Wireless Phone:
Your wireless phone can be paired with the unit in two manners. The unit can initiate the search for compatible devices and pair to the wireless phone or the wireless phone can initiate the search and pair to the unit. The following paragraphs describe both methods.

NOTE: The following procedures are generic. Procedures for pairing wireless phones may vary slightly from phone manufacturer to phone manufacturer.

Pairing a Wireless Phone and the Unit:

1. Select the Bluetooth setup option on the wireless phone to be paired (please refer to the wireless phone's instruction manual to enter Bluetooth setup, turn Bluetooth on/off, and perform pairing). Access the wireless phone Bluetooth function and set the Bluetooth function to ON.
2. Set your wireless phone Bluetooth discover mode to ON.

NOTE: Some discovery modes have a time limit usually a minute before they are automatically turned off.

3. Use the wireless phone's add a new device feature. A device or devices will appear on your wireless phone display.

NOTE: Some phones require a "pass key" or pairing code to connect. If your phone requires a pass key or pairing code, you will need to enter this number in the Pairing Code field under the Bluetooth SETUP menu. The default pairing code for many wireless phones is "0000". The default code for the unit is "1234".

4. A prompt to pair or bond should appear on your wireless phone. Accept the request and initiate the process.
5. A prompt to enter a PIN number or passkey for the unit should appear. The default passkey for the unit is "1234".
6. At this point a prompt stating pairing successful should appear. Another prompt should appear asking connect to the unit, Yes or NO. Press Yes. The wireless phone and the unit should pair. Once the Bluetooth main menu appears on the unit's front panel the wireless phone and the unit have paired.

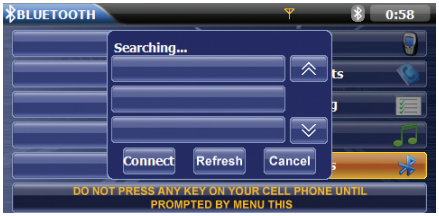
Pairing the Unit and a Wireless Phone:

1. Press the front panel MENU button and then press the BLUETOOTH icon to access the Bluetooth main menu.
2. Select the Bluetooth setup option on the wireless phone to be paired (please refer to the wireless phone's instruction manual to enter Bluetooth setup, turn Bluetooth on/off, and perform pairing). Access the wireless phone Bluetooth function and set the Bluetooth function to ON.
3. Set your wireless phone Bluetooth discover mode to ON.

NOTE: Some discovery modes have a time limit usually a minute before they are automatically turned off.

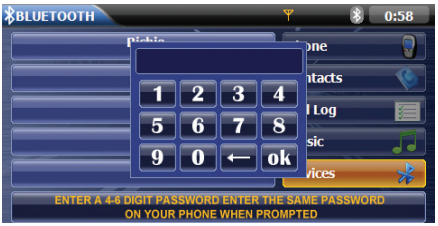
4. On the Bluetooth main menu press the DEVICES icon. The following screen will appear:

5. On the Bluetooth DEVICES screen press the ADD icon. The following screen will appear:

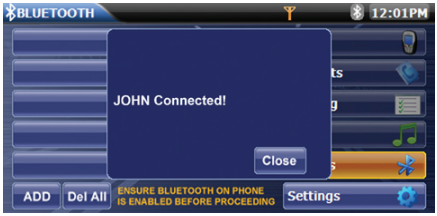


6. Press the wireless phone name under DEVICE FOUND and then press the CONNECT icon. The following screen will appear:

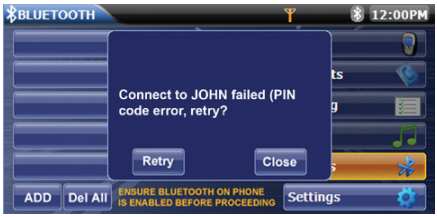
7. Using the keypad enter the PIN or Passkey to your wireless phone and press OK. The following screen will appear:



8. At this point the wireless phone will ask the user to respond to a prompt similar to "Pairing request from _____ Accept? Yes or No ". The user should answer Yes to the request. Another prompt will appear on the wireless phone to enter the PIN or Passkey.
9. Enter the PIN or Passkey for the unit (1234). Acknowledge the unit's PIN or Passkey on the wireless phone by pressing (ENTER, OK etc.). The following screen should appear.



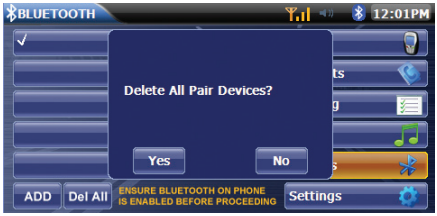
10. Once the Bluetooth main menu appears on the unit's front panel the wireless phone and the unit have paired.
11. In the event the unit and the wireless phone fail to pair or bond the following screen will appear.



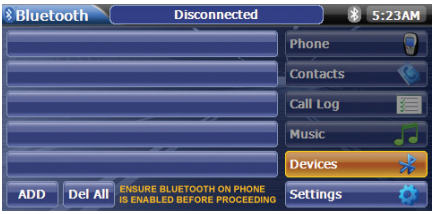
12. Press the RETRY icon. The wireless phone will receive a prompt similar to "Pairing request from _____ Accept? Yes or No ". The user should answer Yes to the request.
13. Enter the PIN or Passkey for the unit (1234). Acknowledge the unit's PIN or Passkey on the wireless phone by pressing (ENTER, OK etc). Once the Bluetooth main menu appears on the unit's front panel the wireless phone and the unit have paired.

Deleting a Paired Wireless Phone(s):

1. Press the front panel MENU button and then press the BLUETOOTH icon to access the Bluetooth main menu.
2. Press the DEL ALL icon. The following screen will appear:



3. Press the YES icon. The following screen will appear:



4. The wireless phone is disconnected from the unit.

Managing Incoming Calls:
When connected to a Bluetooth phone, the unit will mute audio output, pause CD play, and change to the Bluetooth screen below when a call is received. The incoming phone number or assigned name for that number will appear in the middle of the screen. An audible tone will sound from the unit and a graphic display will appear on the front panel. If the incoming call has no caller ID, the unit will display "Private Caller".

Answering an Incoming Call:
To answer the call, press the icon. For best reception, speak loudly and clearly. The microphone is located on the lower left side of the unit. To end the conversation, press the icon.

Rejecting an Incoming Call:
Press the icon to reject an incoming call. The call will revert to your wireless phone and be left for voice mail.

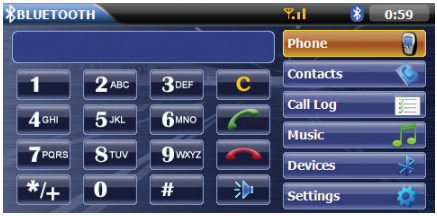
Volume Control:
To increase or decrease the volume level, turn the PWR VOL knob on the front panel or press the VOL+/ VOL- buttons on the front remote control.

Audio Mute:
To mute the phone call audio from the unit when a call is received, press the icon. Press the icon again and phone call will be restored to the unit.

Making an Outgoing Call:
Outgoing calls can be performed in two manners. The outgoing call can be direct dialed using the front panel keypad or the by pressing the CONTACTS icon, selecting a name and pressing the phone number.

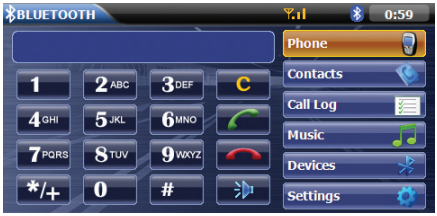
Direct Dialing:

1. Press the front panel MENU button and then press the BLUETOOTH icon to access the Bluetooth main menu. The following screen will appear:



2. Use the 0-9, */+, and # buttons to input the phone number. If necessary press the C icon to clear the last digit or the entire number and start over.
3. After entering the phone number, press the icon to dial the call. The number dialed will be displayed on the screen.

4. To end the call, press the button.



Outgoing Call Using Contact Dialing:

1. Press the front panel MENU button and then press the BLUETOOTH icon to access the Bluetooth main menu. The following screen will appear:

2. Press the CONTACTS icon. The following screen will appear:

3. Press icon for the number to be dialed. The following screen will appear:

4. Press the number icon to dial the call. The number dialed will be displayed on the screen.
5. To end the call, press the button.

Call Transfer:
While talking, to transfer audio from the unit back to the wireless phone, press the icon. You can only transfer a call after it has been answered. Pressing the icon again will return the audio from the wireless phone to the unit.

Menu List:
The menu list appears on the right side of the Bluetooth main menu screen.

NOTE: Not all wireless phones allow access to missed, received or dialed calls and some will not allow uploading of your wireless phone's address book.

Contacts List:
The Contacts List is a copy of the contact list on your wireless phone which contains a listing of your important names and phone numbers. The list is usually arranged in alphabetical order. In the center of the Contact List screen are and up ▲ and down ▼ arrows which toggles the key board letters from A to L, M to X and Y to Z. Above the center up and down arrows are another set of arrows ⌃ and ⌄ which scrolls through the list of contacts in groups of five.

Call Log:
The call log consists of dialed numbers, received calls and missed calls.

NOTE: Not all wireless phones allow access to missed, received or dialed calls and some will not allow uploading of your wireless phone's address book.

Dialed Calls:

The Dialed Calls list retrieves the list of dialed numbers from your wireless phone. The last dialed number is the first number on the list. Press the Dialed Calls menu option to view the list. To make a call from the Dialed Calls list, press the name. A new screen will appear with the name on the top and the phone number below. Press the phone number and it will be dialed.

Received Calls:

Use the Received Calls list to view the received numbers stored on your wireless phone. To access the Received list, press the Received Calls menu option. The last received number is the first number on the list. To make a call from the Dialed Calls list, press the name. A new screen will appear with the name on the top and the phone number below. Press the phone number and it will be dialed.

Missed Calls List:

The Missed Calls List retrieves the list of missed numbers from your wireless phone if your wireless phone allows the function. The last missed number is the first number on the list. Press the Missed Calls menu option to view the list. To make a call from the Missed Calls list, press the call's name. A new screen will appear with the name on the top and the phone number below. Press the phone number and it will be dialed.

Bluetooth Music Function:

1. ►/II Press to begin playback. Press the icon again to pause playback.
2. ⏮ Press to go to the previous file.
3. ⏭ Press to advance to the next file.
4. ■ Press to stop song playback.

Bluetooth provides an Advanced Audio Distribution Profile (A2DP) profile for streaming music from a wireless phone or a portable multimedia player (PMP), sometimes referred to as a MP3 player. The unit allows you to play back audio files from your wireless phone or a PMP using a Bluetooth connection. Before using an audio player, it may be necessary to enter the default passkey into the unit. The default passkey for the unit is "1234".

NOTE: Please quit A2DP mode before attempting to make a phone call, as unexpected results may occur depending on your wireless phone model.

The unit can control a Bluetooth audio player via Advanced Audio Distribution Profile (A2DP) or Audio/Video Remote Control Profile (AVRCP). Bluetooth audio players (or Bluetooth adapters) compatible with these profiles can be connected to this unit. Functionality varies depending on the profile used:

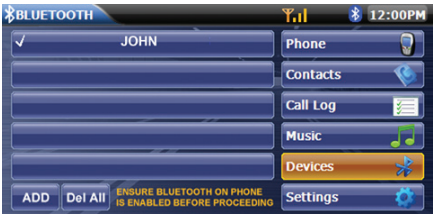
•A2DP: Stream audio from your Bluetooth compatible audio player and listen to the music through the unit.

•AVRCP: Play back, pause, select songs, etc. while streaming audio from your Bluetooth compatible audio player to the unit.

NOTE: Song information (e.g. elapsed playing time, song title, song index, etc.) cannot be displayed on this unit. Since there are a number of Bluetooth audio players available on the market, operations with your Bluetooth audio player using this unit vary greatly. Please refer to the instruction manual that came with your Bluetooth audio player.

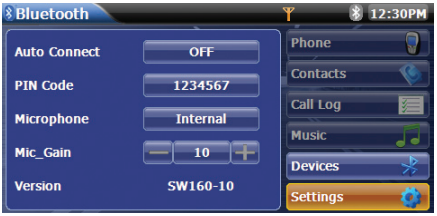
When there is an incoming call, the song will be paused. After the incoming call is finished, the screen will return to the music function screen and playback will continue.

Devices:



This screen is used to discover, add or delete paired devices from the unit. The screen contains two main buttons (ADD and Del All). Pressing the ADD button will cause the unit to search for devices that are within the range of the Bluetooth signal. Once the devices are discovered they will be listed on the screen. Pressing the Del All button will cause all devices paired with the unit to be deleted.

Settings:



This screen allows the user to configure Bluetooth settings.

Auto Connect:

The Auto Connect option will allow the unit to automatically connect to a previously paired Bluetooth device when it is in range. When the Auto Connect option is set to "Off", you must initiate the pairing process with your wireless phone. To enable the Auto Connect option:

1. Press to Auto Connect "Off/On icon. The following screen will appear:

2. Press the "On" button which will become highlighted in orange.
3. Press the "OK" button and the Auto Connect option is now operational.

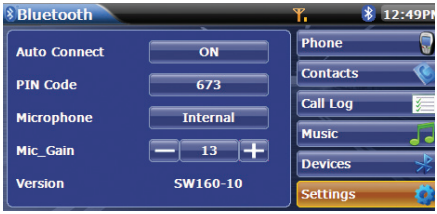
PIN Code:

The PIN or Passkey for the unit is (1234). Pressing the PIN Code on the Bluetooth Settings screen will result in the following screen being displayed. When keyboard screen appears the PIN Code can be changed with up to any seven digits. Use the keyboard to select the digits and press OK. Once the digits are selected and confirmed the new PIN Code will appear in the PIN Code on the Bluetooth Settings screen.

Microphone Function:

When a call is received you can communicate with the caller using the unit's internal microphone or an optional external microphone. An external microphone will in some instances improve the sound quality during communication. The default setting for the unit is the internal microphone. Pressing the MICROPHONE icon on the Bluetooth Settings screen will result in the following screen being displayed. When the screen appears, press either INTERNAL or EXTERNAL and confirm the setting pressing OK. Once the setting has been confirmed, it will appear in the MICROPHONE icon on the Bluetooth Settings screen.

Mic_Gain:



The microphone gain adjustment allows the volume of the outgoing call audio signal to be increased or decreased. This feature is useful when the called party cannot hear you loudly enough. This function is only enabled when the unit is paired with a wireless device.

Software Version:

This entry provides the software version that is resident in the unit. This screen is for information only and cannot be altered by the user.

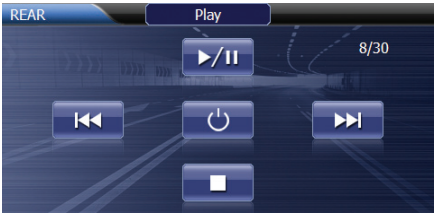
CAMERA FUNCTION

Rear Camera Function:
The unit is "camera ready." Before accessing any camera features, you must install a rear video camera. When the camera is not installed and the function is accessed by gear selector being placed in reverse or the unit's menu, the following screen will appear indicating the function is not available. When the camera is installed the rear view image of what is behind the vehicle will appear when the vehicles shift lever is placed in reverse. When lever is removed from the reverse position the unit will return to the previous screen. The rear camera image can be adjusted from the SETUP menu. The image can be changed from normal to mirrored. Refer to the SETUP menu, Camera Image for complete details.

REAR DISPLAY FUNCTION

The unit allows two sources to be played simultaneously. For example, the unit's screen can be set to the radio function while the rear passengers can watch a DVD video using an optional rear monitor. The unit provides for connection of up to two additional monitors (sold separately) for rear passengers.
Perform the following to access the Rear Display function:
1. Turn on the rear monitor. Refer to the monitor's owner manual for instructions.
2. Insert the media (DVD, CD etc) to be viewed into the unit.
3. Press the unit's front panel or front remote control MENU button and select REAR.
4. Use the rear remote control to start playback and various control functions. The rear remote should be pointed to the unit's front panel.
NOTE: You cannot change or control the front zone source from the rear zone video screen.

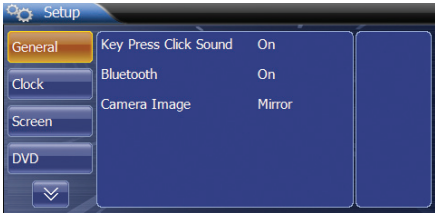
The Rear Display Function allows control of the disc playback. When a disc is inserted the unit, pressing the REAR icon will cause the following screen to appear:



1. ►/II **Play/Pause Icon:**
   Press to begin playback. Press the icon again to pause playback.
   NOTE: The playback function (Pause, Play, Stop and Rear Disc on/off) is displayed at the top of the screen.
2. ►►I **Next Icon:**
   Press to advance to the next DVD chapter or CD track.
3. ■ **Stop Icon:**
   Press to stop disc playback. To resume playback, press the icon again.
4. ⏻ **Rear Display Function on/off**
   Press to turn the Rear Display Function on and off.
5. I◄◄ **Previous Icon:**
   Press to advance to the previous DVD chapter or CD track.
6. **Chapter/Track Number:**
   Provides the current number that is playing. The second number is the total number of chapters/tracks.

SETUP MENU

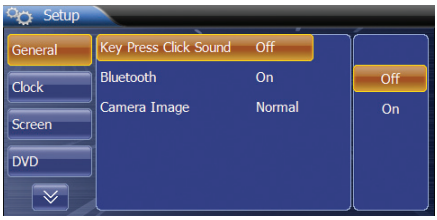
To access system settings, press the unit's front panel or front remote control MENU button and select SETUP. The following screen will appear:



Accessing Menu Items:
Press the submenu feature you wish to adjust (General, Clock etc.). The submenu feature for adjustment will be highlighted. Pressing the feature will cause the adjustable parameters to be displayed.

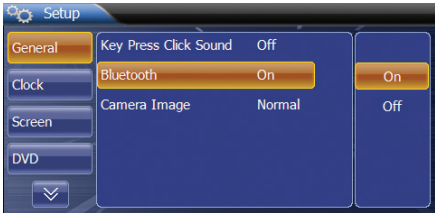
General Items:
The General submenu feature allows you to configure the above items in the SETUP screen to your preference.

Key Press Click Sound:
Press the Key Press Click Sound icon and the following screen will appear:



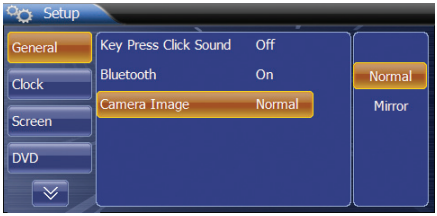
An audible beep tone occurs when front panel or remote control buttons are pressed. The beep tone can be disabled. Press the On or the Off icon and the function will be enabled or disabled.

Bluetooth Mode:
The Bluetooth function can be set to on or off. Refer to the following screen.



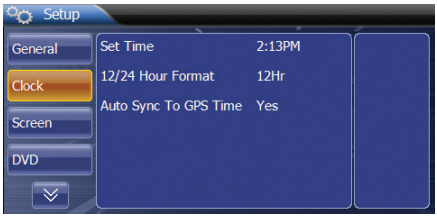
Press the On or the Off icon and it will be selected.

Camera Image:
The Rear Camera input can be displayed on the unit's front panel in "Normal View" or a "Mirrored View". In the "Mirror View" the camera image is reversed as if looking through a rear-view mirror. Refer to the following screen.

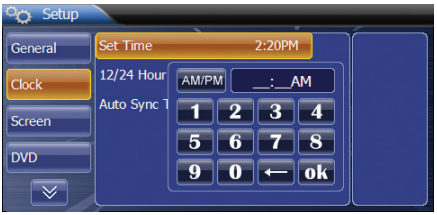


Press the Normal or the Mirror icon and it will be selected.

Clock:
Press the CLOCK icon and the following screen will appear:

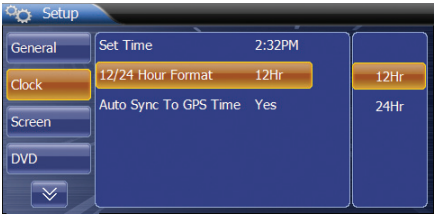


Press the Set Time icon and the following screen will appear:



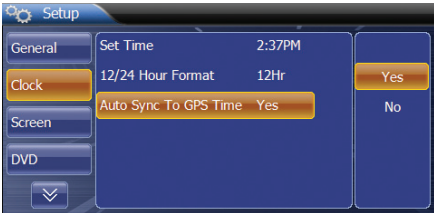
Using the keyboard enter the time in (HH:MM) format. Then press AM or PM icon and press OK. The newly entered time will appear on the screen at the Set Time icon.

Press the 12/24 Hour Format icon and the following screen will appear:



The clock then can be set for either the 12 hour or the 24 format. Press the 12Hr or 24Hr icon and it will be selected.

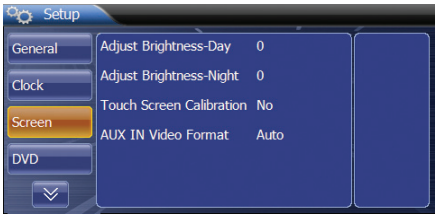
GPS Time:



This adjustment is used to synchronize or ignore time with the Global Positioning System (GPS) time. GPS time is the atomic time scale implemented by the atomic clocks in the GPS ground control stations and the GPS satellites themselves. Set the time to synchronize with the GPS time system or to ignore it. Press the Ignore or Sync icon and it will be selected.

Screen:

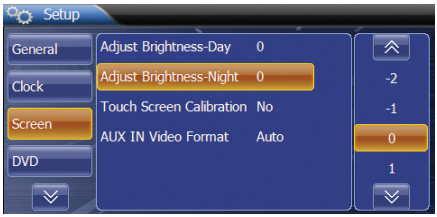
The Screen tab allows adjustment of video signals and the unit's monitor. Refer to the following screen.



Brightness:

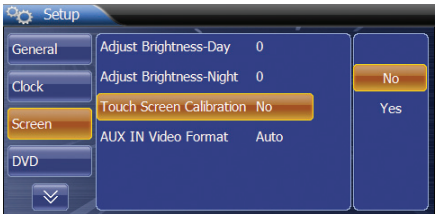
The Brightness allows the screen to be adjusted to your preference. The screen can be adjusted for daylight and night time viewing preferences. Press the ADJUST BRIGHTNESS –DAY icon. Refer to the following screen.

To adjust the screen for night time viewing, press the ADJUST BRIGHTNESS –NIGHT icon. Refer to the following screen.

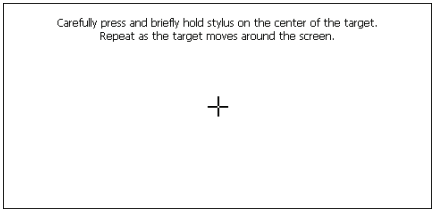


The day/night picture brightness can be adjusted from -10 to +10. Use the up and down scroll buttons to access the full range of the adjustment. The night time screen adjustments should be performed with vehicle's headlights on to provide a realistic setting.

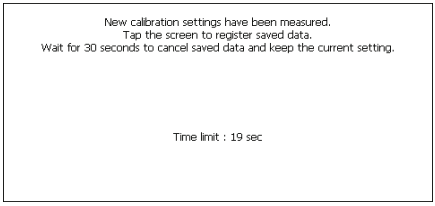
Touch Screen Calibration:



This Touch Screen Calibration adjustment is used to set the parameters of the touch screen to ensure that when the screen is pressed that it corresponds to feature the user is selecting. To calibrate the screen, first select the Touch Screen Calibration. Press the Yes icon and it will be selected. The following screen will appear:



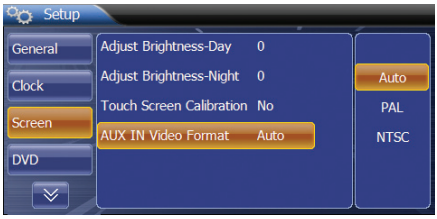
Follow the instructions on the screen to press and briefly hold the stylus. The stylus will move to each corner of the screen and finally to the center. The following screen will appear:



If the screen is pressed the new calibration parameters will be accepted. If the screen is not pressed within the thirty seconds, the new parameters will be disregarded.

AUX IN:

The Aux In allows the use to configure the unit to accept an auxiliary signal. Refer to the following screen.



The unit provides three settings for the auxiliary input signal. The video input circuitry detects the video signal from the auxiliary source. If set to Auto, the color signal output is switched automatically based on the video input signal (NTSC or PAL).

DVD:

The DVD screen allows the user to choose the screen aspect ratio and to set the Parental Control.

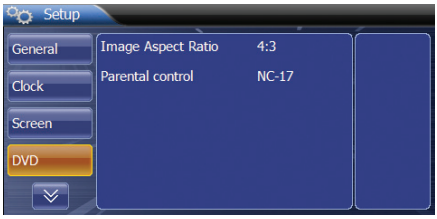
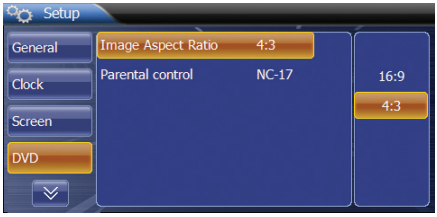


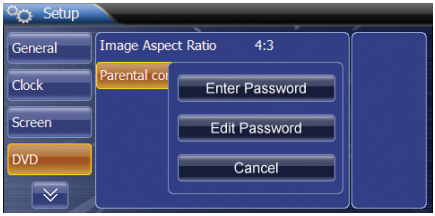
Image Aspect Ratio:

Image Aspect Ratio allows the user to select and set the desired aspect ratio for the screen. Refer to the following screen.



The unit provides selection of two aspect ratios. The conventional display image has a 4 to 3 ratio of horizontal to vertical, leaving a blank area on the right and left sides of the display. In the aspect ratio of 16:9 the entire screen is extended horizontally. The extension ratio is the same at any point.

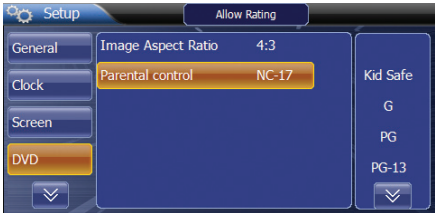
Parental Control:
Press the Parental Control icon and the following screen will appear:



NOTE: The CANCEL icon can pressed if the parental control menu was entered accidentally.

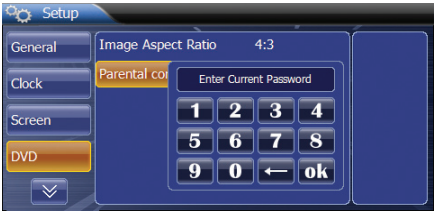
Press the ENTER PASSWORD icon and the following screen will appear:

Enter the unit's password. The default password is 0000. Once the correct password is entered the Parental Control function is enabled. The following screen will appear:



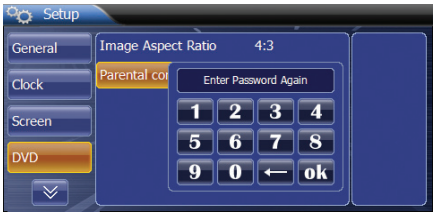
This allows the playback content to be limited "From Kid Safe" to "Adult". Use the scroll bars at the top or the bottom of the screen to access the different program rating levels.

To change the password, press the EDIT PASSWORD icon and the following screen will appear:

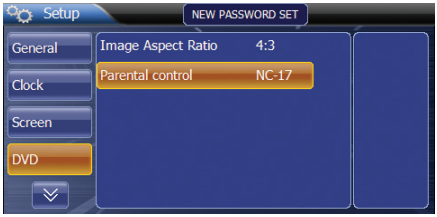


Enter the current password or the four digit default (0000) password and press OK. Once the correct password is entered, the following screen will appear requesting the new password entered.

Enter the new password and press OK. The following screen will appear:

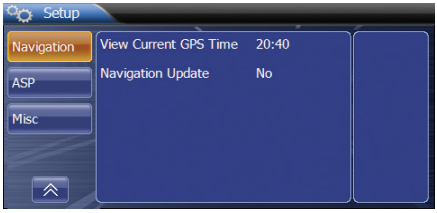


Re-enter the new password again and press OK. The following screen will appear:



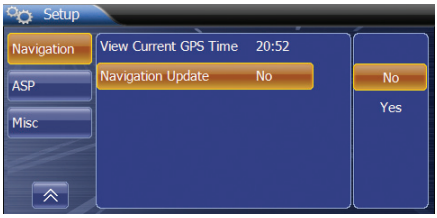
The password is changed.
NOTE: Record the password and keep it in a safe place for future reference.

Navigation:
Press the Navigation icon and the following screen will appear:

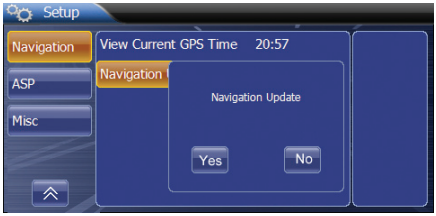


The VIEW CURRENT GPS TIME is current GMT time. GMT is sometimes called Greenwich Meridian Time because it is measured from the Greenwich Meridian Line at the Royal Observatory in Greenwich, England. Greenwich is the place from where all time zones are measured.

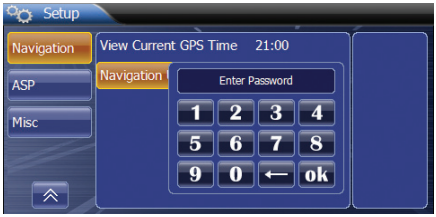
The navigation software can be updated by pressing the NAVIGATION UPDATE icon. When the icon is pressed the following screen will appear:



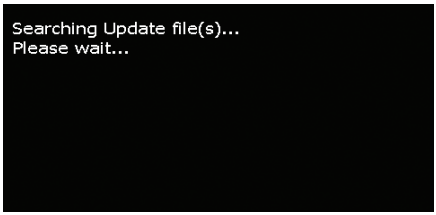
The navigation software upgrade USB device should connected to the iPOD Interface USB port. Press the YES icon and the following screen will appear:



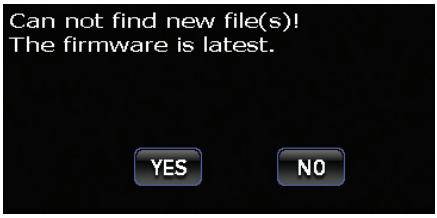
Press YES and the following screen will appear:

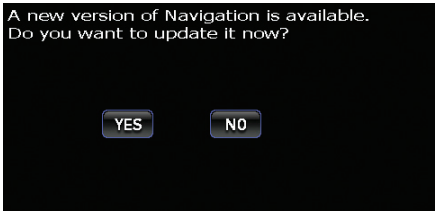


Using the keypad enter the update password (874723) and press OK. The following screen will appear:



When the unit has completed the search for updated files one the following screens will appear:



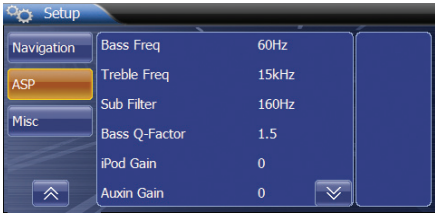


If a new version of the navigation software is found, pressing the YES icon will cause the unit to extract the software from the USB device and update the navigation software. Press the NO icon and the unit will return to previous mode prior to the upgrade.

If a new version of the navigation software is not found, pressing the NO or YES icon will cause the unit to return to previous mode prior to the upgrade.

ASP:

Press the ASP icon and the following screen will appear:



The ASP (Audio Sound Parameters) submenu provides for the adjustment of various audio signals. Press the BASS FREQ icon and the following screen will appear:

The screen allows the Bass Center Frequency to be set to the above frequencies to optimize the audio output for your vehicle.

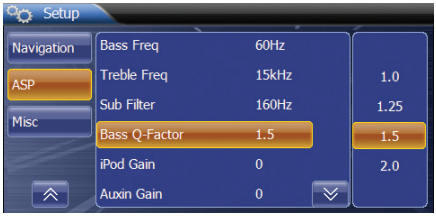
Press the TREBLE FREQ icon and the following screen will appear:

The screen allows the Treble Center Frequency to be set to the above frequencies to optimize the audio output for your vehicle.

Press the SUB FILTER icon and the following screen will appear:

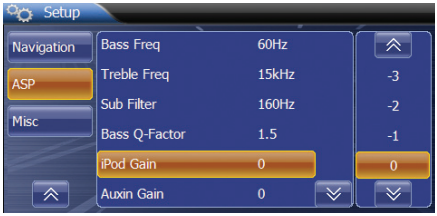
The screen allows the Sub Filter Frequency to be set to the above frequencies to optimize the audio output for your vehicle.

Press the BASS Q-FACTOR icon and the following screen will appear:



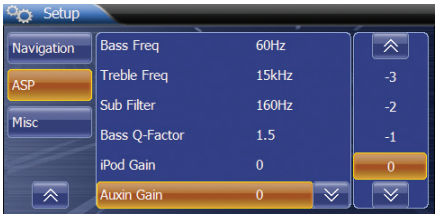
The screen allows the Bass Q-Factor to be set to the above frequencies to optimize the audio output for your vehicle.

Press the iPOD GAIN icon and the following screen will appear:



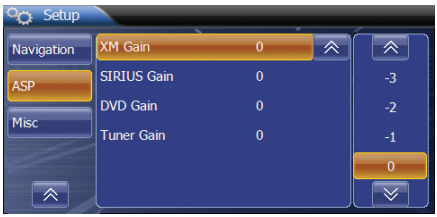
The screen allows the iPOD audio signal to be amplified or attenuated. The signal can be adjusted from -7 to +7. Use the up and down scroll buttons to access the full range of the adjustment.

Press the AUXIN GAIN icon and the following screen will appear:

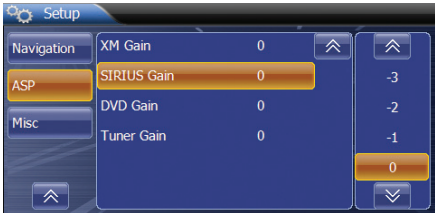


The screen allows the auxiliary in audio signal to be amplified or attenuated. The signal can be adjusted from -7 to +7. Use the up and down scroll buttons to access the full range of the adjustment.

Press the XM GAIN icon and the following screen will appear:

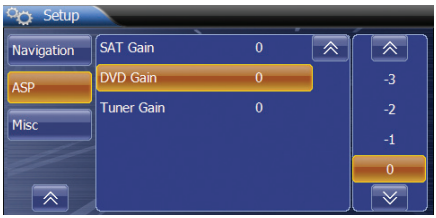


Press the SIRIUS GAIN icon and the following screen will appear:



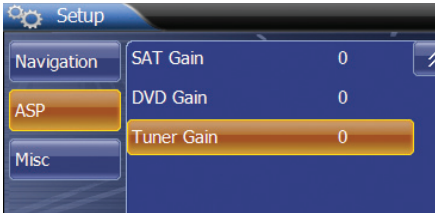
These screens allow the satellite radio audio signal to be amplified or attenuated. The signal can be adjusted from -7 to +7. Use the up and down scroll buttons to access the full range of the adjustment.

Press the DVD GAIN icon and the following screen will appear:



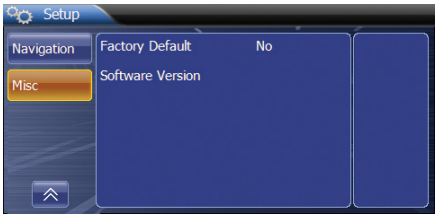
The screen allows the DVD audio signal to be amplified or attenuated. The signal can be adjusted from -7 to +7. Use the up and down scroll buttons to access the full range of the adjustment.

Press the TUNER GAIN icon and the following screen will appear:

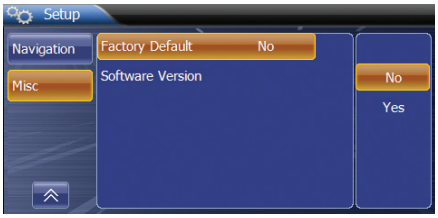


The screen allows the tuner audio signal to be amplified or attenuated. The signal can be adjusted from -7 to +7. Use the up and down scroll buttons to access the full range of the adjustment.

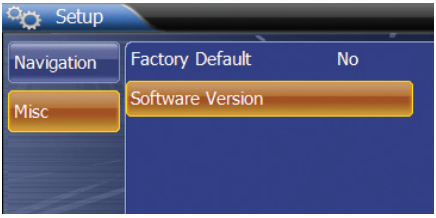
Misc:
The Misc (Miscellaneous) provides tab allows configuration of various unit settings. Refer to the following screen.



Factory Default:
This screen allows the user to reset all options to the factory settings. Press the Yes icon and original factory settings will be restored.

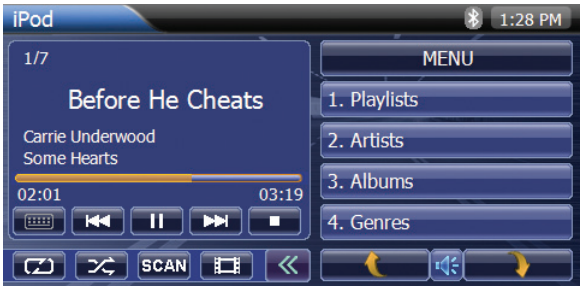


Version:



Pressing the SOFTWARE VERSION icon will display the following screen.

The screen lists the software version for the unit.



AV2 Media Device (iPod)

iPod Icon:
Indicates the media device that is connected to AV2. When pressed the user is returned to the Main Menu.The media devices can consist of an iPod, USB device, or 3.5mm jack input. The USB device and the 3.5 mm jack input can be connected to the unit at the same time. When the iPod is connected the other two inputs are excluded.

Bluetooth Icon:
The icon will be light blue when paired to a device and gray when not paired.

Time Display:
Displays the time as entered by the user in the SETUP Menu, clock function.

AUDIO Menu

Playlists Icon:
Provides a list of all the Playlists that are stored in the iPod. Pressing the Playlists name will provide the song associated with Playlist. Pressing the title name will begin playback of the song.

Artists Icon:
Provides a list of the performers that are stored in the iPod. Pressing the performers name will provide the title associated with the performers.
Pressing the title name will begin playback of the item.

Albums Icon:
Provides a list of the albums that are stored in the iPod Pressing the albums provides the title name. Pressing the title name will begin playback of the item.

Genres Icon:
Provides a list of the categories that are contained in the iPod. Pressing the Genres icon will result in the artist name comprising the genre to be displayed. Pressing the artist name will display the title name. Pressing the title name will begin playback of the item.

Songs Icon:
Provides a list of the of the songs and audio items that are stored in the iPod. Pressing the title name will begin playback of the item.

Composers Icon:
Provides a list of composers of that are stored in the iPod. Pressing the composer's name will display the song's title. Pressing the title name will begin playback of the item.

Audiobooks Icon:
Provides a list of the of the audiobooks that are stored in the iPod. Pressing the title name will begin playback of the audiobook.

Podcasts Icon:
Provides a list of podcasts that are stored in the iPod. The podcasts usually consist of series of digital audio files. Pressing the title name will begin playback of the podcast.

SCAN Icon:
Pressing this icon will play the first ten seconds of each track.

►/II Play/Pause Icon:
Press to begin playback. Press the icon again to pause playback.

Icon:
Plays tracks in the directory in random order.

Previous Icon:
Press to advance to the next item contained in the menu.

Repeat Icon:
Press the icon (S) during playback to repeat playback of the current song. This operation plays back the track currently being played. Press the icon (A) a second time to repeat all. This operation plays back tracks in the directory repeatedly. Pressing the icon once again will turn the repeat feature off.

VIDEO Menu

Movies Icon:
Provides a list of all the movies that are stored in the iPod. Pressing the movie's name will begin playback of the movie.

Music Videos Icon:
Provides a list of the music videos that are stored in the iPod. Pressing the music video name will begin playback of the music video.

TV Shows Icon:
Provides a list of the TV shows that are stored in the iPod. Pressing the title name will begin playback of the item.

Video Podcasts Icon:
Provides a list of podcasts that are stored in the iPod. The podcasts usually consist of series of digital video files. Pressing the title name will begin playback of the podcast.

Rentals Icon:
Provides a list of rental videos that are stored in the iPod. Pressing the title name will begin playback of the rental video.

Preset List Next Icon:

Press to access the next page in the menu list.

Mute/Un-mute Icon:
This button is used to mute the volume from the unit. By pressing the button, a Mute indication will appear on the speaker display and the volume will be muted.

Preset List Previous Icon:
Press to access the previous page in the menu list.

<< Icon:
Press the icon and the additional buttons on the lower portion of screen are hidden. >> Press the icon again and the additional buttons are displayed on the screen.

■ Stop Icon:
Press to stop playback. To resume playback, press the icon again.

Music icon
Sets the iPod to music mode. Pressing the music icon will display audio related topics in the menu such as playlists, artists, albums etc. Press the icon again to enter the video mode.

Video icon
Sets the iPod to video mode. Pressing the video icon will display video related topics in the menu such as movies, music videos, TV shows etc. Press the icon again to enter the music mode.

Next Icon:
Press to advance to the next item contained in the menu.

Keyboard Icon:
Press to directly access a video or an audio track. When the icon is pressed a keyboard will appear. The user can then enter the desired feature number and press OK. The item will begin to play.

Direct Tuning Screen:
When the Keyboard Icon is pressed in the AV2 (Media Device) Screen a keyboard will appear. The user can enter the number corresponding to the desired item in the menu listing using the numeric keypad. Once the desired item is entered press OK and the unit will access the item in the menu.

AV1/AV2 INPUT

AV1 Auxiliary Audio/Video Input:
The unit contains an auxiliary audio/ video input which can accept signals from various audio/video devices. The AVIN jack on the front panel (reference Item 2, Controls and Indicators) accepts a 3.5mm jack which has three female color coded RCA jacks on the opposite end. The yellow jack is used for video, the red jack accepts the right channel audio and the white jack accepts the left channel audio.

Perform the following to access audio/ video inputs to the to unit's AVIN input jack: Turn on the video /audio source component. Refer to the owner's manual for instructions.

1. Connect the device's output signal to the unit using the three RCA jacks (Yellow= Video, Red=Right Audio, White=Left Audio).
2. Press the unit's front panel or front remote control MENU button and select AV1.
3. Use the controls located on the device to start playback and other control functions.

AV2 Auxiliary Audio/Video Input:
The unit contains an auxiliary audio/ video input which can accept signals from various audio/video devices. The AV2 Interface Module (see below) will accept a USB device, a 3.5mm jack, or an iPod. The iPod is connected using the iPod adapter cable. The iPod adaptor cable plugs into the USB and AV2 on the AV2 Interface Module connectors. When the input signal does not contain a video signal the following screen will appear: When a video signal is present, it will be displayed on the unit's front panel.

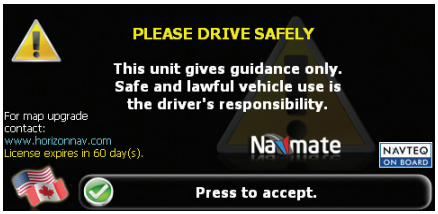
However for the video to be displayed, the vehicle's parking brake must be engaged. If the parking brake is not engaged the following screen will appear:

NAVIGATION

The Navigation mode can be selected in a number of ways. The mode can be accessed from the Main Menu. The mode can also be selected by pressing the front panel NAV/DEST button. In addition the Navigation mode can be selected using the front remote control to access the Main Menu and then using the cursor keys to select the NAV icon. The following procedure provides a quick overview of the Navigation Mode. For a detailed description of the Navigation mode, refer to TOCLS-OE100/TOCLJ-OE100 Owner's Manual Navigation.

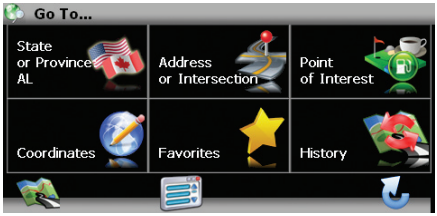
Navigation Quick Start:

1. Once the navigation mode is selected the software will load and the following screen will appear:



2. Acknowledge the drive safely warning and the Navigation main menu will appear. Refer to following screen.

3. When the Navigation main menu will appears press the "Go To…" icon and the following screen will appear:



4. You can now select a destination. There are many ways to select a destination. For this example, let's find a nearby airport. Select by pressing screen:
   - Icon to activate main menu.
   - Start Route Guidance
   - Point of Interest
   - State/Province

   NOTE: The software remembers the last State/Province, so this step is not necessary every time.
   - By Category
   - Airport
   - Sort by Distance

Select one of these functions and the system will calculate a route to that destination using the criteria set in the Setup menu.

5. Use the Map/Guide along Route function by proceeding to the highlighted route and drive while the software provides audible and visual guidance to your destination.

6. The software will advise you that you have arrived at your destination.

XM SATELLITE RADIO MENU

XM Icon:
Identifies the name of the satellite radio that is currently playing. When pressed the user is returned to the Main Menu.

Antenna Icon:
As the strength of the satellite radio signal increases, the number of illuminated segments will increase.

Bluetooth Icon:
The icon will be light blue when paired to a device and gray when not paired.

Time Display:
Displays the time as entered by the user in the SETUP Menu, clock function.

Menu

Channels Icon:
When the icon is pressed a channel list is displayed with the current channel in play highlighted. Use the next arrow ( ) or the previous arrow ( ) to view the available XM radio channels.

Category Icon:
When the icon is pressed a category list is displayed. Categories group music by type such as jazz, rock, classical etc. Use the next arrow ( ) or the previous arrow ( ) to view the available XM categories.

Presets Icon:
When the icon is pressed a list of preset channels are displayed. Presets consist of channels that were stored into the memory. Use the next arrow ( ) or the previous arrow ( ) to view the available XM presets. Press and hold the preset and after approximately 2 seconds, the pre-set number will appear on the display panel, indicating that the currently playing channel is now set into that preset memory position. The channel can now be recalled at any time by pressing that preset.

Preset List Next Icon:
Press to access the next page in the menu list.

Mute/ Un-mute Icon:
This button is used to mute the volume from the radio. By pressing the button, a Mute indication will appear on the speaker display and the volume will be muted.

Preset List Previous Icon:
Press to access the previous page in the menu list.

Next Icon:
Press to advance to the next available category.

Jump Icon:
Press jump to access the previous channel (i.e., switch between the current and previous channel).

◄◄ Previous Icon:
Press to advance to the next previously available category.

⌨ Keyboard Icon:
Press to directly tune to a channel. When the icon is pressed a keyboard will appear. The user can then enter the channel number and press OK. The unit will tune to the channel and the programming on the channel will play.

Direct Tuning Screen:
When the Keyboard Icon is pressed in the XM Screen a keyboard will appear. The user can enter the number corresponding to a desired XM channel using the numeric keypad. Once the desired channel number is entered press OK and the unit will tune to the XM channel..

XM Radio ID:
Using the keyboard press zero and OK. The XM Radio ID will be displayed. The XM Radio ID consists of 8 alphanumeric characters.

SIRIUS SATELLITE RADIO MENU

SIRIUS Icon:
Identifies the name of the satellite radio that is currently playing. When pressed the user is returned to the Main Menu.

Antenna Icon:
As the strength of the satellite radio signal increases, the number of illuminated segments will increase.

Bluetooth Icon:
The icon will be light blue when paired to a device and gray when not paired.

Time Display:
Displays the time as entered by the user in the SETUP Menu, clock function.

Menu

Channels Icon:
When the icon is pressed a channel list is displayed with the current channel in play highlighted. Use the next arrow ( ) or the previous arrow ( ) to view the available SIRIUS radio channels.

Presets Icon:
When the icon is pressed a list of preset channels are displayed. Presets consist of channels that were stored into the memory. Use the next arrow ( ) or the previous arrow ( ) to view the available SIRIUS presets. Press and hold the preset and after approximately 2 seconds, the preset number will appear on the display panel, indicating that the currently playing channel is now set into that preset memory position. The channel can now be recalled at any time by pressing that preset.

Categories Icon:
When the icon is pressed a category list is displayed. Categories group music by type such as jazz, rock, classical etc. Use the next arrow ( ) or the previous arrow ( ) to view the available SIRIUS categories.

Setting Icon:
When the icon is pressed the screen displays the SIRIUS radio ID below the Setting icon. The SIRIUS radio ID consists of 12 numeric characters.

Preset List Next Icon:
Press to access the next page in the menu list.

Mute/ Un-mute Icon:
This button is used to mute the volume from the radio. By pressing the button, a Mute indication will appear on the speaker display and the volume will be muted.

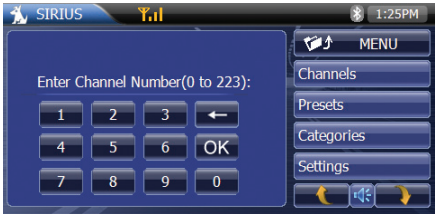
Preset List Previous Icon:
Press to access the previous page in the menu list.

Next Icon:
Press to advance to the next available category.

Icon:
Press jump access to the previous channel (i.e., switch between the current and previous channel).

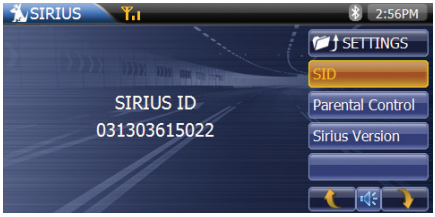
Previous Icon:
Press to advance to the next previously available category.

Keyboard Icon:
Press to directly tune to a channel. When the icon is pressed a keyboard will appear. The user can then enter the channel number and press OK. The unit will tune to the channel and the programming on the channel will play.



Direct Tuning Screen:
When the Keyboard Icon is pressed in the SIRIUS Screen a keyboard will appear. The user can enter the number corresponding to a desired SIRIUS channel using the numeric keypad. Once the desired channel number is entered press OK and the unit will tune to the SIRIUS channel.

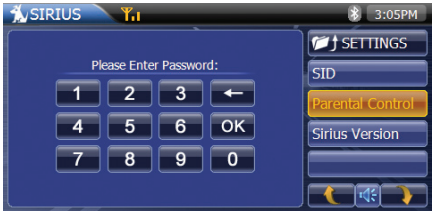
Settings:
Press the SETTINGS icon and the following screen will appear. Press the SID Icon.



This screen displays the SIRIUS identification number.

Parental Control:
The PARENTAL CONTROL icon allows the user to block or unblock certain channels. Press the PARENTAL CONTROL icon and the following screen will appear:

Press the LOCK UNLOCK CHANNELS icon and the following screen will appear:



The password is 0000. Enter the password, press OK and the following screen will appear:

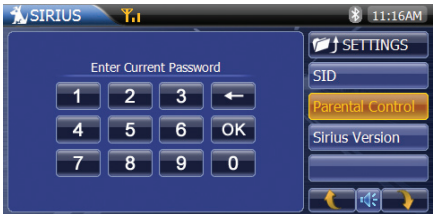
When the lock appears the channel is not accessible. The channel will not appear in the list of channels.

To unlock the channel, press the channel icon and the lock will open. The following screen will appear:

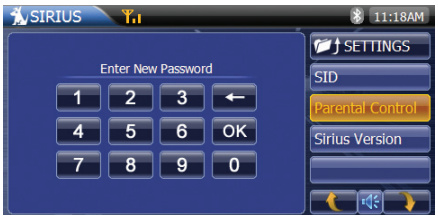
The channel will appear in the screen followed by the opened lock. This indicates that the channel is now accessible.

Edit Password:

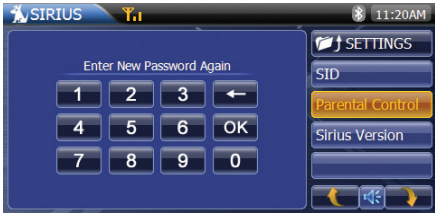
Press the EDIT PASSWORD icon and the following screen will appear:



Enter the password (0000) and press OK. The following screen will appear:



Enter the four digits you want to replace the default password. The following screen will appear:

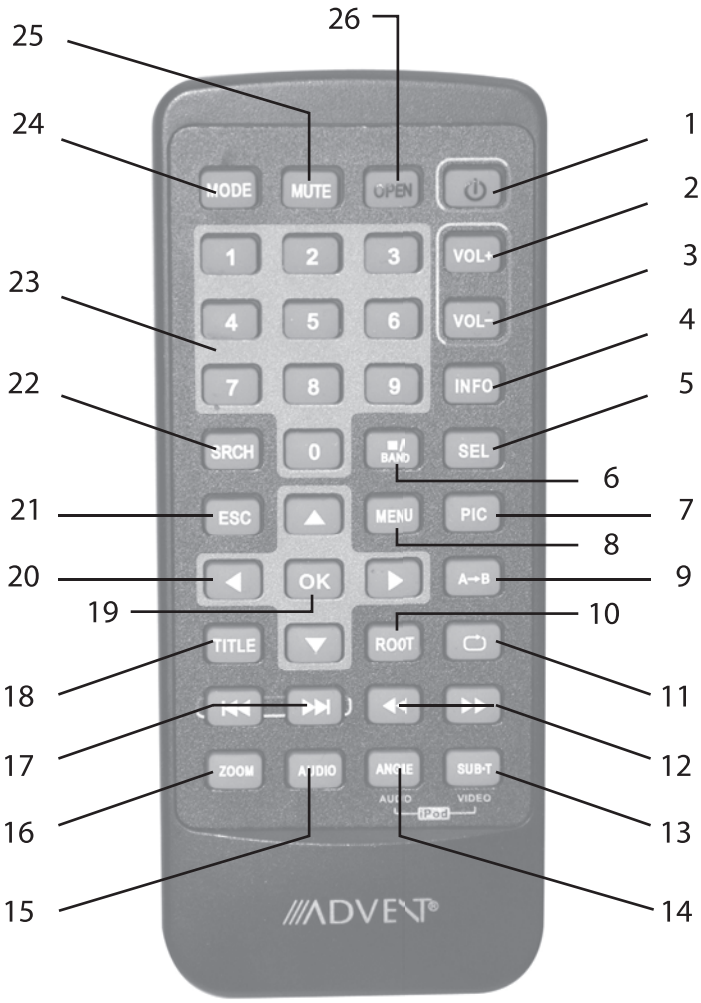


Enter the same four digits again and press OK. The password is now changed to the new password.

SIRIUS Version:

Press the SIRIUS Version icon and the above screen will appear. The screen displays the software version that is installed the unit.

Remote Control Front



1. **POWER**
   Press this button to turn the unit on and off.
2. **VOL+**
   Press this button to increase the volume.
3. **VOL-**
   Press this button to decrease the volume.
4. **INFO**
   Press this button during DVD and CD playback to display playback information. This information consists of media type and the playback elapsed time.
5. **SEL**
   Press this button to display the Equalizer menu. Pressing the button again the display will return to the prior screen.
6. **■/BAND**
   DVD Mode
   Press this button to stop DVD playback.

   Radio Mode
   Press this button to select various frequency bands (AM and FM etc.).
7. **PIC**
   Press this button to access the on screen picture adjustment displays for BRIGHTNESS, CONTRAST, COLOR or TINT.
8. **MENU**
   Press this button to access the unit's main menu screen.
9. **A-B**
   Allows the user to define and repeat disc playback from a starting point, A, to an ending point, B. Once the starting and ending points are defined and the A-B repeat function enabled, the section will play and loop continuously.

Press A-B Button	Unit
Once	Mark the beginning of the section to repeat (Set point A)
Twice	Mark the end of the section to repeat (Set point B)
Three	Cancels the A-B repeat function

10. **ROOT**
    Press this button to access the DVD root menu.
11. ⟲ Press this button to use the repeat function for various playback modes.

    DVD Mode: Pressing this button consecutively will repeat the title, repeat the chapter, and disable the repeat function.

    CD Mode: Pressing this button consecutively will repeat the track and disable the repeat function.

    MP3 Mode: Pressing this button consecutively will repeat the track, repeat the folder and disable the repeat function

12. ◄◄ ►►

DVD Mode

Press this button (◄◄) to search in a backward direction. Press this button (►►) to search in a forward direction. Press repeatedly to change the search speed from 2, 4, 8, and 20 times the normal speed.

13. SUB-T

Press this button to display and select the available subtitle languages. Each time the button is pressed, the subtitles change.

iPod Video Mode

Press this button to access videos located on the iPod.

14. ANGLE

DVD Mode

Press this button during DVD playback to display the number of angles being played and then select the desired angle to view the screen.

iPod Music Mode

Press this button to access music located on the iPod.

15. AUDIO

DVD Mode

Press this button during DVD playback to display and select the audio languages available in DVD mode. Each time the audio button is pressed, the contained language changes.

NOTE: The audio languages available vary from disc to disc.

CD Mode

Press this button during CD playback to choose between Left Channel, Right Channel, and Stereo.

16. ZOOM

DVD Mode

Press this button during DVD playback to view a scene in a close-up mode. Each time the button is pressed the picture will enlarge 1X, 2X, 3X normal size. Press the button again and the zoom function will turn off and the picture will return to normal size.

17. ⏮ ⏭
DVD Mode
Press this button (⏮) to return to the previous chapter or track. Press this button (⏭) to skip to the next chapter or track.

18. **TITLE**
Press this button to display the title of a DVD. DVD titles are a collection of video clips or chapters. DVDs generally contain multiple titles.

19. **OK**
Press this button to confirm and implement a selected setting or menu option. Press this button to resume playback in various modes..

20. **CURSOR BUTTONS (◄► ▲▼)**
Use these buttons to navigate the menu selections on the screen.

21. **ESC**
Press this button to stop a particular process and return to another task.

22. **SRCH**
Press this button to display a search screen that allows the user to enter a Title number, Chapter number or time value for a position on the DVD. A keyboard screen also appears on the front panel.

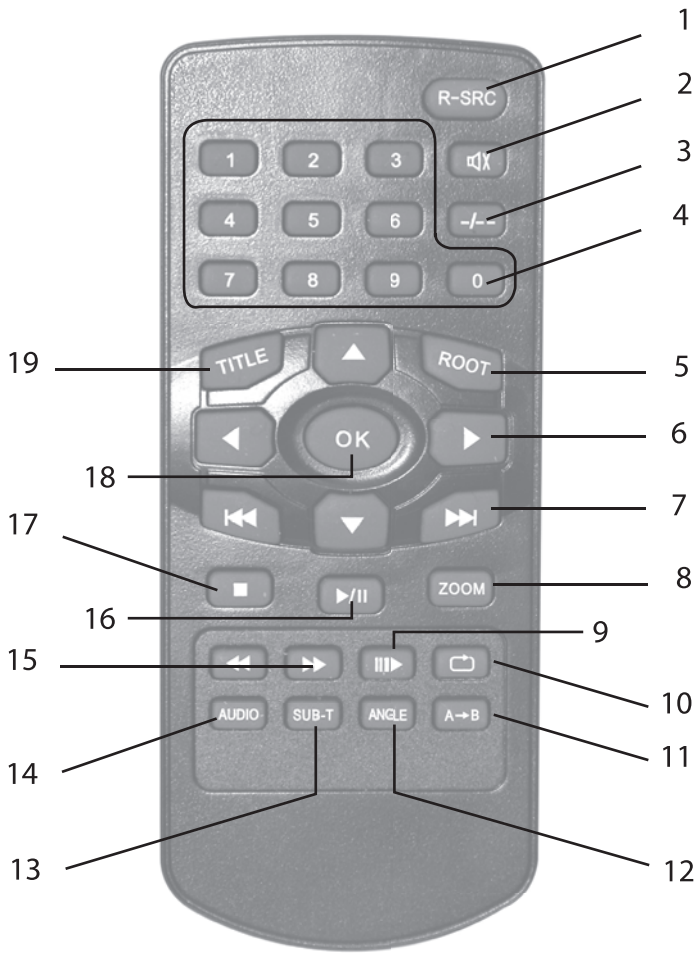
23. **Numbers 1 Through 0**
Press these buttons to enter the numbers 0 to 9 for selection of CD tracks, DVD chapters, and for various unit functions such as passwords and navigation settings.

24. **MODE**
Press this button to select the following audio sources: Radio, Disc, AV2, Media SD, Media USB, AV1, and SAT Radio.

25. **MUTE**
Press this button to mute the audio. Pressing the button again restores the audio to the previously set volume level.

26. **OPEN**
Press this button to eject a DVD or CD disc from the unit.

Remote Control Back



1. **R-SRC**
   Press this button to display the current operational mode on the front panel screen.
2. **MUTE**
   Press this button to mute the audio. Pressing the button again restores the audio to the previously set volume level.
3. **–/– –**
   Press this button to display a search screen that allows the user to enter a Title number, Chapter number or time value for a position on the DVD. A keyboard screen also appears on the front panel..
4. **Numbers 1 Through 0**
   Press these buttons to enter the numbers 0 to 9 for selection of CD tracks, DVD chapters, and for various unit functions such as passwords and navigation settings.
5. **ROOT**
   Press this button to access the DVD root menu.
6. **CURSOR BUTTONS (◄► ▲▼)**
   Use these buttons to navigate the menu selections on the screen.

   Radio Mode
   Press this button to select various frequency bands (AM and FM etc.).
7. **⏮ ⏭**
   DVD Mode
   Press this button (⏮) to return to the previous chapter or track. Press this button (⏭) to skip to the next chapter or track.
8. **ZOOM**
   DVD Mode
   Press this button during DVD playback to view a scene in a close-up mode. Each time the button is pressed the picture will enlarge 1X, 2X, 3X normal size. Press the button again and the zoom function will turn off and the picture will return to normal size.
9. **❚❚❚►**
   Press this button to playback the DVD in slow motion. Pressing this button consecutively will reduce the playback speed by one half, one quarter, one sixth and one eighth normal speed.

10. ⟲ Press this button to use the repeat function for various playback modes.

DVD Mode: Pressing this button consecutively will repeat the title, repeat the chapter, and disable the repeat function.

CD Mode: Pressing this button consecutively will repeat the track and disable the repeat function.

MP3 Mode: Pressing this button consecutively will repeat the track, repeat the folder and disable the repeat function.

11. A-B

Allows the user to define and repeat disc playback from a starting point, A, to an ending point, B. Once the starting and ending points are defined and the A-B repeat function enabled, the section will play and loop continuously.

Press A-B Button	Unit
Once	Mark the beginning of the section to repeat (Set point A)
Twice	Mark the end of the section to repeat (Set point B)
Three	Cancels the A-B repeat function

12. ANGLE

DVD Mode

Press this button during DVD playback to display the number of angles being played and then select the desired angle to view the screen.

iPod Music Mode

Press this button to access music located on the iPod.

13. SUB-T

Press this button to display and select the available subtitle languages. Each time the button is pressed, the subtitles change.

iPod Video Mode

Press this button to access videos located on the iPod.

14. AUDIO

DVD Mode

Press this button during DVD playback to display and select the audio languages available in DVD mode. Each time the audio button is pressed, the contained language changes.

NOTE: The audio languages available vary from disc to disc.

CD Mode

Press this button during CD playback to choose between Left Channel, Right Channel, and Stereo.

15. ◀◀ ▶▶
DVD Mode
Press this button (◀◀) to search in a backward direction. Press this button (▶▶) to search in a forward direction. Press repeatedly to change the search speed from 2, 4, 8, and 20 times the normal speed.

16. ▶/II
Press this button to pause the DVD disk playback. Pressing the button again will resume normal DVD disc playback.

17. ■
Press this button to stop DVD playback.

18. OK
Press this button to confirm and implement a selected setting or menu option. Press this button to resume DVD playback play.

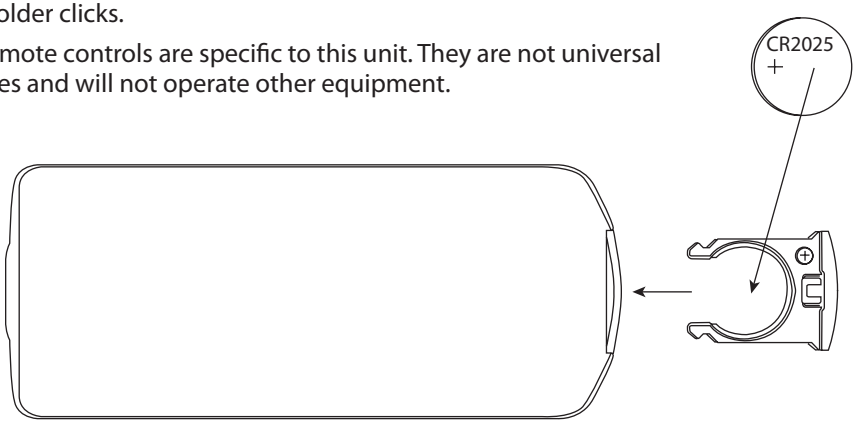
19. TITLE
Press this button to display the title of a DVD. Titles are a collection of video clips or chapters. DVDs generally contain multiple titles within a DVD.

Remote Control Battery

Initial Use
When purchased the remote control has a battery installed with a Pull Tab to prevent battery discharge. Remove the Pull Tab before attempting to use the remote control.

Battery Replacement
1. Remove the battery holder.
2. Insert the battery into the battery holder and insert the battery holder into the remote. Be sure to observe the correct polarity.
3. Align the battery holder with the remote control and push until the holder clicks.

The remote controls are specific to this unit. They are not universal remotes and will not operate other equipment.



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