The DVD video display of the in-dash unit will not operate while the vehicle is moving. This is a safety feature to prevent driver distraction. In-dash DVD video functions will only operate when vehicle is in Park and the parking brake is engaged. It is illegal in most states for the driver to view video while the vehicle is in motion.
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# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warning Statement</td>
<td>3</td>
</tr>
<tr>
<td>Safety Information/Precautions</td>
<td>4</td>
</tr>
<tr>
<td>Preparation/Mounting/Wiring</td>
<td>5-7</td>
</tr>
<tr>
<td>Remote Control Overview</td>
<td>8</td>
</tr>
<tr>
<td>Control Locations - Monitor Closed</td>
<td>9-11</td>
</tr>
<tr>
<td>Control Locations - Monitor Open</td>
<td>12</td>
</tr>
<tr>
<td>Control Locations - Remote</td>
<td>13-14</td>
</tr>
<tr>
<td>General Operation</td>
<td>15-17</td>
</tr>
<tr>
<td>Main Setup Menu</td>
<td>18-22</td>
</tr>
<tr>
<td>Screen Setup Menu</td>
<td>23-26</td>
</tr>
<tr>
<td>AM/FM Tuner Operation</td>
<td>27-30</td>
</tr>
<tr>
<td>Warning Statement</td>
<td>31</td>
</tr>
<tr>
<td>DVD Setup</td>
<td>32-38</td>
</tr>
<tr>
<td>DVD Operation</td>
<td>39-42</td>
</tr>
<tr>
<td>CD Operation</td>
<td>43-46</td>
</tr>
<tr>
<td>MP3/WMA/JPG Operation</td>
<td>47-50</td>
</tr>
<tr>
<td>USB Operation</td>
<td>51-54</td>
</tr>
<tr>
<td>Media Compatibility Information</td>
<td>55-57</td>
</tr>
<tr>
<td>Operation of iPod®</td>
<td>58-63</td>
</tr>
<tr>
<td>Auxiliary Inputs</td>
<td>64</td>
</tr>
<tr>
<td>Rear Camera Operation</td>
<td>64</td>
</tr>
<tr>
<td>Warranty</td>
<td>65</td>
</tr>
<tr>
<td>Specifications</td>
<td>66</td>
</tr>
<tr>
<td>Troubleshooting</td>
<td>67</td>
</tr>
</tbody>
</table>
When installing this unit in the front console/dashboard, the unit must be positioned so that it is facing the front passenger seat only. Failure to follow this instruction could lead to driver distraction which could result in serious injury or death to the vehicle’s occupants or persons outside the vehicle and/or property damage.

This unit is designed so that it may be operated only when the vehicle is in “Park” and the parking brake is fully engaged. To this end, this unit includes a parking brake lock-out feature which prohibits the unit from operating if the vehicle is not in “Park” and/or the parking brake is not fully engaged. When installing this unit, the installer must connect the parking brake detect wire (“Yellow-Blue Lead”) to the parking brake mechanism in order to make the parking brake lock-out feature operable. DO NOT simply ground the parking brake detect wire to a metal portion of the vehicle. Failure to properly install the parking brake lock-out feature could lead to driver distraction which could result in serious injury or death to the driver’s occupants or persons outside the vehicle and/or property damage.

Once the parking brake lock-out feature is installed, the owner/user must not attempt to disrupt/neutralize the parking brake lock-out feature by (a) partially engaging the parking brake and/or (b) purchasing/using any device or unit designed to send necessary brake signals to the unit. Failure to follow these instructions could lead to driver distraction which could result in serious injury or death to the driver’s occupants or persons outside the vehicle and/or property damage.

When operating this unit, keep the unit’s volume level low enough so that the vehicle’s occupants can hear traffic-related sounds such as police and emergency vehicles. Failure to follow this instruction could lead to driver distraction which could result in serious injury or death to the vehicle’s occupants or persons outside the vehicle and/or property damage.
Please read all instructions carefully before attempting to install or operate.

Due to its technical nature, it is highly recommended that your DUAL XDVD9101 is installed by a professional installer or an authorized dealer. This product is only for use in vehicles with 12VDC negative ground only.

Safety Notes:

The DVD video display of the in-dash unit will not operate while the vehicle is moving. This is a safety feature to prevent driver distraction. In-dash DVD video functions will only operate when vehicle is in Park and the parking brake is engaged. It is illegal in most states for the driver to view video while the vehicle is in motion.

To prevent damage or injury:

1. Make sure to ground the unit securely to the vehicle chassis ground.
2. Do not remove the top or bottom covers of the unit.
3. Do not install the unit in a spot exposed to direct sunlight or excessive heat or the possibility of water splashing.
4. Do not subject the unit to excessive shock.
5. When replacing a fuse, only use a new one with the prescribed rating. Using a fuse with the wrong rating may cause the unit to malfunction.
6. To prevent short circuits when replacing a fuse, disconnect the wiring harness first.
7. Use only the provided hardware and wire harness.
8. You cannot view video while the vehicle is moving. Find a safe place to park and engage the parking brake.
9. If you experience problems during installation, consult your nearest DUAL dealer.
10. If the unit malfunctions, reset the unit as described on page 10 first. If the problem still persists, consult your nearest DUAL dealer or call tech assistance @ 1-866-382-5476.
11. To clean the monitor, wipe only with a dry silicone cloth or soft cloth. Do not use a stiff cloth, or volatile solvents such as paint thinner and alcohol. They can scratch the surface of the panel and/or remove the printing.
12. When the temperature of the unit falls (as in winter), the liquid crystal inside the screen will become darker than usual. Normal brightness will return after using the monitor for a while.

Additional Notes:

1. When extending the ignition, battery or ground cables, make sure to use automotive-grade cables or other cables with an area of 0.75mm (AWG 18) or more to prevent voltage drops.
2. Do not touch the liquid crystal fluid if the LCD is damaged or broken. The liquid crystal fluid may be hazardous to your health or fatal. If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately.

This device complies with part 15 of the FCC rules and regulations.
Operation is subject to the following two conditions:
1) This device may not cause harmful interference, and
2) This device must accept any interference received, including interference that may cause undesired operation.
Preparation

Please read entire manual before installation.

Before You Start
• Disconnect negative battery terminal. Consult a qualified technician for instructions.
• Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight, or where it would be subject to dust, dirt or excessive vibration.

Getting Started
• Remove 3 transit screws located on top of the unit.
• Insert the supplied keys into the slots as shown, and slide the unit out of the mounting sleeve.
• Install mounting sleeve into opening, bending tabs to secure.
• Connect wiring harness and antenna as shown on pages 6-7. Consult a qualified technician if you are unsure.
• Certain vehicles may require an installation kit and/or wiring harness adapter (sold separately).
• Test for correct operation and slide unit into mounting sleeve to secure.
• Snap trim ring into place.

TYPICAL FRONT-LOAD DIN MOUNTING METHOD

Mounting sleeve opening dimensions
7-3/16” x 2-1/16” (183 mm x 53 mm)
**Wiring Notes:**

**Subwoofer output**

The **SUBWOOFER** audio output (Blue RCA) is active in all audio modes and must be connected to an external amplifier.

**Rear view camera**

A rear view camera (not included) can be used with the **CAMERA** input. Refer to page 64 for details.

**Need help?**

Call our Technical Service Hotline, 1-866-382-5476.
Wiring Diagram - Optional A/V Connections

Game Console → Overhead Monitor

Game Console → Rear View Camera

Game Console → Headrest Monitor

Game Console → Front Amplifier

Game Console → Sub Amplifier

Game Console → Rear Amplifier
IR Remote Preparation

To first use the IR Remote control, you must first pull the battery insulation tape out.

To insert or replace the battery:
- Remove the battery holder.
- Remove the battery from the battery holder.
- Install the new battery. Make sure to keep the (+) side up.
- Insert the battery holder.

Notes:
- Remove the battery if the remote will not be used for a month or longer.
- Remove and dispose of battery properly.

CAUTION!!!
- Do not store battery with metallic objects or materials.
Control Locations - Monitor Closed

1. Display
2. Secondary LCD
3. Open/Close Monitor
4. 3.5mm A/V Input
5. USB Input
6. Reset
7. Channel/Chapter/Track Up/Fast Forward
8. Play/Pause
9. Channel/Chapter/Track Down/Fast Reverse
10. Disc-In Indicator
11. Infrared Sensor
12. Band/Disc Stop
13. Mode
14. Mute/Loudness
15. Power/Volume/EQ
16. Eject

Secondary LCD Information

1. Song title indicator
2. Artist name indicator
3. Album name indicator
4. Main information display
5. Stereo indicator
6. Disc-in indicator
7. EQ indicator
8. Loudness indicator
9. Distance indicator
10. Intro indicator
11. Random indicator
12. Repeat indicator

Note: Secondary LCD only functions when TFT monitor is closed.
Control Functions - Monitor Closed

<table>
<thead>
<tr>
<th>Control Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>When the monitor is closed, press DISP to toggle display between information available for the current mode such as clock, frequency, track or chapter information.</td>
</tr>
<tr>
<td>Secondary LCD</td>
<td>Additional LCD for system information while monitor is closed.</td>
</tr>
<tr>
<td>Open Monitor</td>
<td>Press OPEN to open or close the monitor. Be careful not to not touch or obstruct the monitor movement during the open/close sequence, or permanent damage could occur.</td>
</tr>
<tr>
<td>3.5mm A/V Input</td>
<td>Connect external devices or the included cable for an iPod device to this 3.5mm auxiliary audio/video input.</td>
</tr>
<tr>
<td>USB Input</td>
<td>Insert USB flash drive to play MP3, WMA or JPEG files. Connect included cable for an iPod device to control and charge an iPod device.</td>
</tr>
<tr>
<td>Reset</td>
<td>To resolve abnormal operation or if the unit is inoperable, press the RESET button located to the left of the USB input on the front panel. The unit will reset the main processor to the default settings.</td>
</tr>
<tr>
<td>Channel/Chapter/Track Up</td>
<td>Press to select the next channel/chapter/track for playback.</td>
</tr>
<tr>
<td>Fast Forward</td>
<td>Press and hold to manual tune up or fast forward.</td>
</tr>
<tr>
<td>Play/Pause</td>
<td>In disc mode, press once for PAUSE, and &quot;PAUSE&quot; will appear in the display. Press again to resume PLAY.</td>
</tr>
<tr>
<td>Channel/Chapter/Track Down</td>
<td>Press to select the previous channel/chapter/track for playback.</td>
</tr>
<tr>
<td>Fast Reverse</td>
<td>Press and hold to manual tune down or fast reverse.</td>
</tr>
<tr>
<td>Disc-in Indicator</td>
<td>Red = Disc inserted, Blue = No disc.</td>
</tr>
<tr>
<td>Infrared Sensor</td>
<td>Point the remote control towards the infrared sensor to control various functions of the unit.</td>
</tr>
<tr>
<td>Band</td>
<td>Press BAND to increment from FM1, FM2, AM. While in disc mode, press BAND momentarily to stop disc play.</td>
</tr>
<tr>
<td>Mode</td>
<td>Press MODE to select between Tuner, Disc (which includes DVD and CD playback), operation of iPod, USB, Auxiliary 1 and Auxiliary 2 inputs. Each time the MODE button is pressed the next mode is chosen. Modes of operation are indicated on the OSD or the secondary LCD. Optional iPod device or USB flash drive must be connected/inserted to appear in the MODE selection string.</td>
</tr>
<tr>
<td>Mute</td>
<td>Press MUTE to silence audio output. &quot;MUTE&quot; will flash in the secondary display. Press MUTE again to restore audio at previous volume level. Press and hold MUTE to toggle the Loudness function On or Off.</td>
</tr>
<tr>
<td>Eject</td>
<td>Press  once to eject disc.</td>
</tr>
</tbody>
</table>
## Control Functions - Monitor Closed

<table>
<thead>
<tr>
<th>Power</th>
<th>Momentarily press PWR or any other button (except EJECT) to turn the unit on. Press PWR for more than 3 seconds to turn the unit off.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>Turn the rotary to adjust the volume level lower or higher (0-46). The current volume level will be displayed on the secondary LCD when the monitor is closed. Turning the rotary while the volume is muted will cancel the mute function.</td>
</tr>
<tr>
<td>EQ Presets</td>
<td>Press the volume knob momentarily to select between Flat, Classic, Pop, Rock or User EQ presets.</td>
</tr>
<tr>
<td>Caution</td>
<td>• Due to its highly technological design, the XDVD9101 faceplate is NOT removable. Do not attempt to remove the faceplate.</td>
</tr>
<tr>
<td></td>
<td>• Upon installation, do not attempt to move the monitor by hand. Use the ▼ or ▲ buttons, the OPEN button on the front panel or the remote control.</td>
</tr>
<tr>
<td></td>
<td>• The unit will stop if it encounters any obstacles during the open/close sequence. If this occurs, remove the obstacle and press OPEN again to resume the monitor open/close sequence.</td>
</tr>
</tbody>
</table>
Control Locations and Functions - Monitor Open

- Press CLOSE to open or close the monitor. Be careful not to touch or obstruct the monitor movement during the open/close sequence, or permanent damage could occur.

- Press to display DVD disc information in DVD mode. Holding this button for 3 seconds brings up the Brightness setting, which can be adjusted by turning the rotary encoder or by pressing the  or  buttons on the main remote control.

- Press momentarily to adjust the angle of the screen upwards. Press and hold to slide the monitor inwards.

- Press to adjust the angle of the screen downwards. Press and hold to slide the monitor outwards.

- The angle can also be manually selected via the screen setup menu.

- The color of the LCD monitor varies between viewing angles. Select the angle with the most optimum view for your location.

- The last position of the monitor can be saved in memory. When “TFT Auto Open” is set to “On” in the Main Setup menu, the monitor will return to its last position automatically next time the unit is turned on.
Control Locations - Remote

1. Power
2. Mute/Loudness
3. Open/Close
4. Mode
5. Volume Up
6. Key #1
7. Key #2
8. Key #3
9. Volume Down
10. Key #4
11. Key #5
12. Key #6
13. Info
14. Key #7
15. Key #8
16. Key #9
17. Escape
18. Search
19. Key #0/DVD Setup
20. Audio Select
21. Menu
22. 4-Way - Up
23. Play
24. Band/Stop
25. 4-Way - Left
26. OK
27. 4-Way - Right
28. Repeat A-B
29. Title Menu
30. 4-Way - Down
31. Root
32. Repeat
33. Chapter/Track/Seek Tune Down
34. Chapter/Track/Seek Tune Up
35. Fast Reverse/Manual Tune Down
36. Fast Forward/Manual Tune Up
37. Zoom
38. Audio
39. Angle/Operation of iPod Music
40. Sub-Title/Operation of iPod Video

* The remote control uses one 3 volt Lithium CR2025 battery. For best performance, replace only with CR2025 or equivalent.
Control Functions - Remote

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>Press once to turn the unit on, press again to turn unit off.</td>
</tr>
<tr>
<td>Mute</td>
<td>Press once to MUTE audio; press again to return audio. Press and hold to activate Loudness On/Off.</td>
</tr>
<tr>
<td>Open</td>
<td>Press once to open monitor; press again to close the monitor.</td>
</tr>
<tr>
<td>Mode</td>
<td>Press once to incrementally select desired source.</td>
</tr>
<tr>
<td>Volume Up</td>
<td>Increase VOLUME.</td>
</tr>
<tr>
<td>Volume Down</td>
<td>Decrease VOLUME.</td>
</tr>
<tr>
<td>Keys 0-9</td>
<td>Direct access chapter/track/preset stations 1 ~ 9.</td>
</tr>
<tr>
<td>Info</td>
<td>Displays DVD information.</td>
</tr>
<tr>
<td>Escape</td>
<td>Exit current menu.</td>
</tr>
<tr>
<td>Search</td>
<td>Search function in Disc and operation of iPod modes.</td>
</tr>
<tr>
<td>Audio Select</td>
<td>Enter AUDIO Setup mode.</td>
</tr>
<tr>
<td>Menu</td>
<td>Enter the MAIN system menu.</td>
</tr>
<tr>
<td>4-Way-Up/Down/Left/Right</td>
<td>Navigating system and DVD menus.</td>
</tr>
<tr>
<td>Play</td>
<td>Press to pause/begin playback.</td>
</tr>
<tr>
<td>Band/Stop</td>
<td>Press to increment BAND or to STOP while in disc mode.</td>
</tr>
<tr>
<td>OK</td>
<td>Press to confirm settings.</td>
</tr>
<tr>
<td>Repeat A-B</td>
<td>Repeat playback from time frame A to time frame B.</td>
</tr>
<tr>
<td>Title Menu</td>
<td>Enters the title menu of the DVD.</td>
</tr>
<tr>
<td>Root Menu</td>
<td>Enters the main menu of the DVD.</td>
</tr>
<tr>
<td>Repeat</td>
<td>Repeats playback of current chapter/track or folder.</td>
</tr>
<tr>
<td>Chapter/Track/Seek Tune Down</td>
<td>Selects the previous chapter/track/station for playback.</td>
</tr>
<tr>
<td>Chapter/Track/Seek Tune Up</td>
<td>Selects the next chapter/track/station for playback.</td>
</tr>
<tr>
<td>Fast Reverse/Manual Tune Down</td>
<td>Fast reverses the disc/USB/content of iPod, manual tune down.</td>
</tr>
<tr>
<td>Fast Forward/Manual Tune Up</td>
<td>Fast forwards the disc/USB/content of iPod, manual tune up.</td>
</tr>
<tr>
<td>Zoom</td>
<td>Zooming in/out on an image.</td>
</tr>
<tr>
<td>Audio</td>
<td>Change the audio language for DVD disc playback.</td>
</tr>
<tr>
<td>Angle</td>
<td>Selects between different angles (when available) for a DVD scene/Selects operation of iPod Audio mode.</td>
</tr>
<tr>
<td>Sub-Title</td>
<td>Language selection for subtitle/Selects operation of iPod video mode.</td>
</tr>
</tbody>
</table>
General Operation

Power On/Off

Momentarily press PWR or any other button (except EJECT) to turn the unit on. Hold for 3 seconds to turn the unit off.

Mute

Press MUTE to silence the audio; * will appear in the OSD (On Screen Display). Press MUTE again to cancel.

Loudness

Press LOUD on the OSD to turn the Loudness on/off. Pressing and holding the MUTE button on the front panel or remote will also turn the Loudness on/off.

Mode

Press MODE to select between Tuner, Disc (which includes DVD and CD playback), operation of iPod, USB, Auxiliary 1 and Auxiliary 2 inputs. Modes of operation are indicated on the OSD On Screen Display). Optional iPod device or USB flash drive must be connected/inserted to appear in the MODE selection string.

Optional Mode Selection

Press MENU at the top left corner of the screen to display the OSD main menu. Press Tuner, Disc, operation of iPod, USB, AV/1, AV/2 or Camera in the MAIN menu page to select the desired source.

Volume

Turn the rotary or use the volume ◄ or ► to adjust the volume level lower or higher (0-46). The current volume level will be displayed on the secondary LCD when the monitor is closed or on the LCD (to the right of the volume icon ◄) when the monitor is open. Turning the rotary while the volume is muted will cancel the mute function.

Audio Setup (from OSD)

From Tuner, Disc (CD only), operation of iPod or USB mode, touch EQ on the OSD or press the rotary momentarily to enter the Audio Setup menu. Adjust audio parameters by pressing the desired level you wish to change. Operation will return back to previous mode after 15 seconds of inactivity or by pressing the RETURN arrow in the top right corner.

Audio Setup (from remote)

Press the SEL button. Press the ▲ or ▼ buttons on the remote to select an item to be adjusted. Press ◄ or ► to decrease (-) or increase (+) the current level. Press RETURN on the OSD or the ESC button on the remote control to exit the audio control menu.

Note: The Bass and Treble levels are only adjustable when EQ is set to "User" mode. The Loud function compensates for deficiencies in sound ranges at low levels. When the Loud function is on, LOUD:On is displayed in the OSD.
## General Operation

**Info**
Press **INFO** momentarily to display DVD disc information.

**Monitor Brightness**
Press and hold **INFO** for 3 seconds to change monitor **BRIGHTNESS**. Turn the rotary ⨯ or ⨯ to adjust to desired level. (0 minimum/20 maximum; 10 is default).

**Color Setup**
When a video source is connected to the front or rear auxiliary inputs, press **INFO** for more than 2 seconds to adjust COLOR SETUP during video play. Press ▼ or ▲ to step to the desired menu option.

<table>
<thead>
<tr>
<th>COLOR SETUP</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sharpness</td>
<td>10</td>
</tr>
<tr>
<td>Color</td>
<td>10</td>
</tr>
<tr>
<td>Contrast</td>
<td>10</td>
</tr>
<tr>
<td>Brightness</td>
<td>10</td>
</tr>
<tr>
<td>Tint</td>
<td>10</td>
</tr>
</tbody>
</table>

**Sharpness**
Turn the rotary ⨯ or ⨯ to adjust the sharpness. (0 minimum/+15 maximum).

**Color**
Turn the rotary ⨯ or ⨯ to adjust the color. (0 minimum/+20 maximum).

**Contrast**
Turn the rotary ⨯ or ⨯ to adjust the contrast. (0 minimum/+20 maximum).

**Brightness**
Turn the rotary ⨯ or ⨯ to adjust the brightness. (0 minimum/+20 maximum).

**Tint**
Turn the rotary ⨯ or ⨯ to adjust the tint. (0 minimum/+20 maximum).

**Note:** A video signal must be present in order to access the COLOR SETUP menu.
There are two methods to access the MAIN menu:

- Press **MENU** button on the remote control.
- Touch **MENU** or the upper left corner of the touch screen from any mode.

**Main Menu Access**

- Touch to access **AM/FM TUNER** mode.
- Touch to access **CD/DVD** mode (CD/DVD must be inserted).
- Touch to access operation of **iPod** mode (optional iPod device must be connected).
- Touch to access **current time**.
- Touch to access **AUXILIARY A/V2 INPUT** mode.
- Touch to access **AUXILIARY A/V1 INPUT** mode.
- Touch to access **USB** mode (optional **USB flash drive** must be inserted).
- Touch to access **CAMERA** mode (optional camera must be connected).
- **Note**: If optional camera isn’t connected, “No Signal Detected” will be displayed.
- Touch to access **SCREEN SETUP** menu.
- Touch to access **MAIN SETUP** menu.
Main Setup - Menu

Press MAIN SETUP icon to access the Main setup mode.
Select desired parameter you wish to change.
Page will return back to previous screen after 15 seconds of inactivity or by pressing the RETURN arrow in the top right corner.
Press the PAGE DOWN icon to access Main Setup page 2.

### MAIN Setup Menu matrix - page 1

<table>
<thead>
<tr>
<th>Settings</th>
<th>Default</th>
<th>Options</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuner</td>
<td>USA</td>
<td>USA, S-Amer1, S-Amer2, Europe</td>
<td>Select appropriate tuner frequency spacing for your area</td>
</tr>
<tr>
<td>Clock</td>
<td>00:00</td>
<td>00:00</td>
<td>See adjusting the clock on page 21 for more details</td>
</tr>
<tr>
<td>Clock Mode</td>
<td>12Hr</td>
<td>12Hr, 24Hr</td>
<td>3:32 (example of 12 hour time setting)</td>
</tr>
<tr>
<td>Beep</td>
<td>Off</td>
<td>Off, On</td>
<td>Disables confirmation beep</td>
</tr>
<tr>
<td>Camera Image</td>
<td>Normal</td>
<td>Normal, Reverse</td>
<td>Mirror camera input image 180 degrees</td>
</tr>
</tbody>
</table>
Main Setup - Menu

- Press MAIN SETUP icon to access the Main setup mode.
- Press the PAGE DOWN icon to access Main Setup page 2.
- Select desired parameter you wish to change.
- Page will return back to previous screen after 15 seconds of inactivity or by pressing the RETURN arrow in the top right corner.
- Press the PAGE UP icon to access Main Setup page 1.

**MAIN Setup Menu matrix - page 2**

<table>
<thead>
<tr>
<th>Settings</th>
<th>Default</th>
<th>Options</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>TFT Auto Open</td>
<td>Off</td>
<td>On, Off</td>
<td>TFT panel will automatically open when ACC is turned on/off</td>
</tr>
<tr>
<td>Anti-theft Code</td>
<td>0000</td>
<td>----</td>
<td>Must enter password to turn anti-theft on or off</td>
</tr>
<tr>
<td>Anti-theft</td>
<td>Off</td>
<td>On, Off</td>
<td>System will require a password if main battery power is removed/removed</td>
</tr>
<tr>
<td>Reset Unit</td>
<td>Yes</td>
<td>Are you sure? Yes/No</td>
<td>Load all factory parameters to their original settings</td>
</tr>
</tbody>
</table>

Notes: This will not reset the anti-theft password
Default anti-theft password is 0000
Main Setup - Adjusting Radio Frequency

Adjusting Radio Frequency

Step 1  Touch MENU at the top left corner of screen.

Step 2  Touch MAIN SETUP icon.

Step 3  Touch USA.

Step 4  Touch the setting for your region.

Step 5  Touch RETURN to exit.
Main Setup - Adjusting the Clock

12Hr Clock Mode

Step 1
Touch MENU at the top left corner of screen.

Step 2
Touch MAIN SETUP icon.

Step 3
3) Touch 00:00 area in the CLOCK row.

Steps 4-6
4) When keypad appears, enter HOURS, followed by MINUTES.
5) When finished, touch OK.
6) Touch RETURN to exit.

For 24Hr format, select 24Hr from CLOCK MODE, then follow steps 1-6.
Main Setup - Setting the Anti-theft code

The default Anti-theft password is 0000 and is turned off by default. To turn this feature on, follow the steps below.

**CAUTION!!** This will lock your unit from operating if battery power is disconnected.

**Step 1 & 2**
1) Touch MENU. 
2) Touch MAIN SETUP icon.

**Step 3 & 4**
3) Touch down arrow icon. 
4) Touch ****.

**Step 5 & 6**
5) Enter 0000, then press OK.
6) Set new 4-digit password, then press OK.

**Step 7 & 8**
7) Touch Off. 
8) Touch On.

**Step 9 & 10**
9) Enter new 4-digit password (created in step 6), then press OK.
10) Touch RETURN to exit.

**Note:**
It is recommended that you choose your own 4-digit password carefully, write it down somewhere and keep in a safe location. In the event you ever lose or forget your password, call our technical support hot-line at 1-866-382-5476 for support in unlocking the system.
From the main menu, press SCREEN SETUP icon to access the SCREEN setup mode.
Select desired parameter you wish to change.
Page will return back to previous screen after 15 seconds of inactivity or by pressing the RETURN button.

SCREEN Setup Menu matrix

<table>
<thead>
<tr>
<th>Settings</th>
<th>Default</th>
<th>Options</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brightness</td>
<td>10 (OSD)</td>
<td>0 - 20 (OSD)</td>
<td>Press ◀ or ▶ on the remote, then press ENTER to adjust the Brightness to the desired setting. Brightness can also be adjusted using the Brightness + and - buttons.</td>
</tr>
<tr>
<td>Screen Tilt</td>
<td>1</td>
<td>1 - 4</td>
<td>Select 1 to 4 to adjust the default tilt angle of the screen</td>
</tr>
<tr>
<td>TS Calibrate</td>
<td>Calibration</td>
<td></td>
<td>Touch Calibration to enter the Touch Screen calibration mode</td>
</tr>
<tr>
<td>Version</td>
<td></td>
<td></td>
<td>Software version of unit</td>
</tr>
</tbody>
</table>
Screen Setup - Setting TFT Brightness

This will set the default setting for the TFT display brightness. This can also be set by pressing the INFO button on the front TFT panel for more than 3 seconds, then turning the rotary to adjust brightness level.

**Step 1**
1) Touch **MENU** at the top left corner of screen.

**Step 2**
2) Touch **SCREEN SETUP** icon.

**Step 3**
3) Touch [-] to reduce brightness.

**Step 4**
4) Touch [+] to increase brightness.

0 - 20 is possible
Default = 10

**Step 5**
5) Touch **RETURN** to exit.
Screen Setup - Setting TFT Angle

Set for best viewing angle for your vehicle

Step 1
1) Touch MENU at the top left corner of screen.

Step 2
2) Touch SCREEN SETUP icon.

Step 3
3) Touch << to decrease the screen angle.

Step 4
4) Touch >> to increase the screen angle.

1 - 4 is possible
Default = 1

Step 5
5) Touch RETURN to exit.
Screen Setup - Touch Screen Calibration

Upon initial installation or occasionally, the touch screen may have to be calibrated. Follow these steps as described.

**Step 1**
1) Touch **MENU** at the top left corner of screen.

**Step 2**
2) Touch **SCREEN SETUP** icon.

**Step 3 & 4**
3) Touch **Calibration** in TS Calibration row.

**Step 4 & 5**
4) Touch the pointers as indicated on the screen.  
5) Screen will automatically return to **MAIN MENU** when the calibration procedure is complete.
AM/FM Tuner Operation - OSD Overview

From the main menu, touch TUNER icon on the screen to select AM/FM Tuner mode.

1. Current Source Indicator
   Displays source currently playing.

2. Main Menu
   Touch MENU to access the main menu.

3. Stereo Indicator
   Shows that the frequency selected is received in stereo.

4. Information Indicator
   Displays status of various tuning functions including Auto Station Store, Preset Scan, Scan tuning, etc.

5. Preset Number List Display
   Shows the preset list by preset number. Touch preset number to select a preset. Touch and hold preset number to store presets.

6. Preset Station List Display
   Shows the preset station list by frequency. Touch frequency to select a preset. Touch and hold frequency to store presets.

7. Clock Indicator
   Shows current time.

8. Preset List Page - Up/Down
   Touch Page Up/Down arrows to select the next or previous page.
AM/FM Tuner Operation - OSD Overview

9. Tune Frequency - Up
   Touching this icon will tune the radio to a higher frequency by one frequency step. Touch and hold for continuous tuning up. (This function can also be performed by pressing the corresponding key on the remote control.)

10. Tune Frequency - Down
    Touching this icon will tune the radio to a lower frequency by one frequency step. Touch and hold for continuous tuning down. (This function can also be performed by pressing the corresponding key on the remote control.)

11. Seek Next Station - Up
    Touching this icon will tune to the next strong station at a higher frequency. (This function can also be performed by pressing the corresponding key on the front panel or remote control.)

12. Seek Next Station - Down
    Touching this icon will tune to the next strong station at a lower frequency. (This function can also be performed by pressing the corresponding key on the front panel or remote control.)

13. Tuner Scan
    Touch this icon to scan through all available stations in the current band. Touch again to disable.

14. Preset Scan/Auto Station Tune
    Touching this icon will scan through all presets in the current band. Holding this button for more than 2 seconds will automatically program the 12 strongest stations available into the presets in the current band.

15. Band
    Touch band icon repeatedly until the desired band is displayed, FM1, FM2 or AM. (This function can also be performed by pressing BAND button.)

16. Volume Indicator
    Indicates current volume level, controlled by rotary encoder.

17. Loudness Indicator
    Touch screen here to turn the Loudness function on/off.

18. EQ Indicator
    Touch screen here to enter Audio Setup Menu.

19. Current Station Indicator
    Indicates current frequency.

20. Local / DX Tuning Mode
    Shows when local or distance tuning is on.

21. Band Indicator
    Shows which band the radio is tuned to, FM1, FM2 or AM.
# AM/FM Tuner Operation

<table>
<thead>
<tr>
<th>AM/FM Tuner Mode</th>
<th>From the main menu, touch TUNER icon to select AM/FM Tuner mode.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>From the remote control or the front panel:</td>
</tr>
<tr>
<td></td>
<td>Press <strong>MODE</strong> until the current station information is displayed on the screen.</td>
</tr>
<tr>
<td>Band</td>
<td>Touch <strong>BAND</strong> on the screen repeatedly until the desired band is displayed, FM1, FM2 or AM.</td>
</tr>
<tr>
<td></td>
<td>Press the <strong>BAND</strong> button on the front panel to switch between bands, FM1, FM2 or AM.</td>
</tr>
<tr>
<td></td>
<td>From the remote control:</td>
</tr>
<tr>
<td></td>
<td>Press the <strong>BAND</strong> button.</td>
</tr>
<tr>
<td>Manual Tuning</td>
<td>Touch **** on the screen to tune to the next higher frequency step.</td>
</tr>
<tr>
<td></td>
<td>Touch &lt;&lt; on the screen to tune to the next lower frequency step.</td>
</tr>
<tr>
<td></td>
<td>Touch and hold either &lt;&lt; or &gt;&gt; on the screen to continue tuning across multiple stations.</td>
</tr>
<tr>
<td></td>
<td>From the remote control:</td>
</tr>
<tr>
<td></td>
<td>Touch &lt;&lt; or &gt;&gt; to perform manual tuning.</td>
</tr>
<tr>
<td>Seek Tuning</td>
<td>Touch &gt;&gt; to tune to the next higher strong station.</td>
</tr>
<tr>
<td></td>
<td>Touch &lt;&lt; to tune to the next lower strong station.</td>
</tr>
<tr>
<td></td>
<td>From the remote control:</td>
</tr>
<tr>
<td></td>
<td>Press &gt;&gt; to tune to the next higher strong station.</td>
</tr>
<tr>
<td></td>
<td>Press &lt;&lt; to tune to the next lower strong station.</td>
</tr>
<tr>
<td>Storing Presets</td>
<td>There are 24 FM and 12 AM presets available in 3 bands.</td>
</tr>
<tr>
<td></td>
<td>After finding the desired frequency to store in memory, touch and hold the screen on any of the frequencies or preset numbers in the preset station list until it turns yellow. The new station will replace the previous selection.</td>
</tr>
<tr>
<td>Auto Store Presets</td>
<td>Touch and hold <strong>AS/PS</strong> to automatically program the 12 strongest stations available into the presets in the current band.</td>
</tr>
<tr>
<td>Preset Scan</td>
<td>Touch <strong>AS/PS</strong> to scan through all tunable presets in the current band and play them for 10 seconds each.</td>
</tr>
</tbody>
</table>
AM/FM Tuner Operation

Direct Preset Tuning
To select a desired station from the preset station list, touch any of the displayed station frequencies or preset numbers from the list. Use the up and down arrows on screen to select between the preset pages, if necessary.

From the remote control:
Press ▲ or ▼ to scroll through the presets. When the correct preset is highlighted press OK.

Scan Tuning
Touch SCAN on the screen and it will tune you to all stations available with good reception for 10 seconds at a time. Touch SCAN again to disable.

Local/Distance Tuning
Local tuning lets you tune in radio stations with sufficiently strong signals for good reception. In areas that reception is poor, you can switch from local to distance tuning by touching the LOC button on the screen. To return to distance tuning mode, press the LOC button again. (Distance tuning is the default tuning mode.)
Upon installation of this Monitor/DVD player (“unit”) into a vehicle, the driver of the vehicle must not operate this unit by watching videos or playing video games while driving. Failure to follow this instruction could lead to driver distraction which could result in serious injury or death to the vehicle’s occupants or persons outside the vehicle and/or property damage.

Several states prohibit the installation of monitors/DVD players if the screen is visible from the driver’s seat. If you reside in a jurisdiction which has enacted such a law, this unit must not be installed so that the screen is visible from the driver’s seat. When installing this unit in the front console/dashboard, the unit must be positioned so that it is facing the front passenger seat only. Failure to follow this instruction could lead to driver distraction which could result in serious injury or death to the vehicle’s occupants or persons outside the vehicle and/or property damage.

This unit is designed so that it may be operated only when the vehicle is in “Park” and the parking brake is fully engaged. To this end, this unit includes a parking brake lock-out feature which prohibits the unit from operating if the vehicle is not in “Park” and/or the parking brake is not fully engaged. When installing this unit, the installer must connect the parking brake detect wire (“Yellow-Blue Lead”) to the parking brake mechanism in order to make the parking brake lock-out feature operable. DO NOT simply ground the parking brake detect wire to a metal portion of the vehicle. Failure to properly install the parking brake lock-out feature could lead to driver distraction which could result in serious injury or death to the driver’s occupants or persons outside the vehicle and/or property damage.

Once the parking brake lock-out feature is installed, the owner/user must not attempt to disrupt/neutralize the parking brake lock-out feature by (a) partially engaging the parking brake and/or (b) purchasing/using any device or unit designed to send necessary brake signals to the unit. Failure to follow these instructions could lead to driver distraction which could result in serious injury or death to the driver’s occupants or persons outside the vehicle and/or property damage.

When operating this unit, keep the unit’s volume level low enough so that the vehicle’s occupants can hear traffic-related sounds such as police and emergency vehicles. Failure to follow this instruction could lead to driver distraction which could result in serious injury or death to the vehicle’s occupants or persons outside the vehicle and/or property damage.
DVD Setup - Parking Brake Initialization

SAFETY WARNING

- The video display of the in-dash unit will not operate while the vehicle is moving. This is a safety feature to prevent driver distraction. In-dash video functions will only operate when vehicle is in Park and the PARKING BRAKE is engaged. It is illegal in most states for the driver to view video while the vehicle is in motion. Refer to local laws in your area.
- The vehicle must be in park and the parking brake applied to view video on the in-dash monitor.
- As a safety feature, !!Safety Warning!! blue screen will show on the display when the vehicle’s parking brake is not engaged. Video display on the front monitor isn’t allowed until the PARKING BRAKE is engaged. Connect the yellow/blue PARKING BRAKE wire to the brake switch circuit as described on page 6. Note: DVD and AUX AV audio can be heard while the vehicle is in motion without engaging the parking brake.

Follow these two initialization procedures carefully to allow video playback on the XDVD9101 front monitor:

There are two situations to initiate the PARKING BRAKE sequence.

First situation (if vehicle is moving):
1) Stop vehicle, put in Park, make sure PARKING BRAKE is off/released.
2) Depress PARKING BRAKE for 1 second.
3) Release PARKING BRAKE for 1 second.
4) Depress PARKING BRAKE permanently.

Note: Once above procedure 1-4 is completed, video will display in about 2 seconds.

Second situation (if vehicle is already parked and the PARKING BRAKE is already applied):
1) Keep vehicle in Park, PARKING BRAKE should be on.
2) Release PARKING BRAKE for 1 second.
3) Depress PARKING BRAKE for 1 second.
4) Release PARKING BRAKE for 1 second.
5) Depress PARKING BRAKE permanently.

Notes: Once above procedure 1-5 is completed, video will display in about 2 seconds. The transition time must be less than 2 seconds between depress and release. This procedure must be repeated anytime the vehicle ignition is turned off.
DVD Setup - Region Management

DVD Region Management

Some DVD discs can be played only in certain playback modes according to the intentions of the software. As the XDVD9101 plays discs according to their intentions, some functions may not work as intended. Please be sure to read the instructions provided with each disc. This player has been designed to play back DVD software that has been encoded for specific region areas. It cannot play back DVD software encoded for other region areas than the region areas for which it has been designed.

The XDVD9101 will play discs labeled “Region 1” or “All”.

DVD region codes:

1 - USA, Canada
2 - Japan, Europe, South Africa, Middle East
3 - Rep. of Korea, Taiwan, Hong Kong, Parts of Southeast Asia
4 - Australia, New Zealand, Mexico, South America
5 - Eastern Europe, Russia, India, Africa
6 - China

<table>
<thead>
<tr>
<th>Symbol</th>
<th>12cm Disc Properties</th>
<th>Max Play Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD</td>
<td>Single side single layer (DVD-5)</td>
<td>(MPEG 2 Method) 133 minutes</td>
</tr>
<tr>
<td></td>
<td>Single side double layer (DVD-9) 103 minutes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Double side single layer (DVD-10) 242 minutes</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Double side double layer (DVD-18) 484 minutes</td>
<td></td>
</tr>
<tr>
<td>VCD</td>
<td>Single side single layer (VCD)</td>
<td>(MPEG 1 Method) 74 minutes</td>
</tr>
<tr>
<td></td>
<td>Single side single layer</td>
<td>74 minutes</td>
</tr>
</tbody>
</table>

Notes:
Some DVD discs can be played only in certain playback modes according to the intentions of the software. As the XDVD9101 plays discs according to their intentions, some functions may not work as intended. Please be sure to read the instructions provided with each disc.
**Inserting a Disc**

With the label facing up, insert a standard size disc into the slot. The disc will automatically begin playback. Other sub-menus may have to be pressed to access the DVD movie/music content. Read the directions of your specific DVD disc for other features.

*Note:* If PARENTAL Lock is activated and the disc inserted is not authorized, a 4-digit code must be entered and/or the disc be authorized. See “RATING MENU” on page 38.

*Note:* Only one disc can be inserted at a time.

**Ejecting the Disc**

Press the EJECT button.

**Resetting the Loading Mechanism**

If the disc loads abnormally or an system error occurs, press and hold the eject button for 3 seconds to reset the loading mechanism. The disc will eject and normal operation should resume.
DVD Setup - Touch Screen Controls

There are several hidden TOUCH SCREEN areas as outlined below:

“A” area can be used in DVD, AUX 1 and AUX 2 modes to access MAIN menu.

Using the hidden Touch Screen Controls

A - Displays MAIN menu
B - Displays DVD disc information
C - Selects PREVIOUS chapter
D - Selects NEXT chapter
E - Displays the DVD transport controls
F - Displays search menu

Note:
A DVD disc must be inserted to access these functions and features.
With the unit in DVD mode, press AREA E (bottom center of screen) to display the DVD transport controls (1). Press Setup (2) or press and hold the 0 key on the remote to access the DVD setup menu. The LANGUAGE setup menu will automatically be displayed.

**Note:**
A DVD disc must be inserted to access these functions and features.

**Sub Title**
Press the current selection to select desired disc subtitle language.

- English
- French
- Spanish
- Auto
- Off = DEFAULT

**DVD Audio**
Press the current selection to select desired disc audio language.

- English = DEFAULT
- French
- Spanish

**DVD Menu**
Press the current selection to select desired disc menu language.

- English = DEFAULT
- French
- Spanish
With the unit in DVD mode, press AREA E (bottom center of screen) to display the DVD transport controls (1). Press Setup (2) or press and hold the 0 key on the remote to access the DVD setup menu. The LANGUAGE setup menu will automatically be displayed. Press the VIDEO icon (3) to display the VIDEO setup menu.

**Video Setup Menu**

Note: A DVD disc must be inserted to access these functions and features.

**TV Shape**

Press to select desired TV shape.

- Normal/PS
- Normal/LB
- Wide

**Angle Mark**

Select On to activate angle mark.

- On
- Off
With the unit in DVD mode, press AREA E (bottom center of screen) to display the DVD transport controls (1). Press Setup (2) or press and hold the 0 key on the remote to access the DVD setup menu. The LANGUAGE setup menu will automatically be displayed. Press the RATING icon (3) to display the RATING setup menu.

Touch the current rating, select desired rating, then input password. Default password is “0000”.

1. Touch ****, enter current password, then press OK.
2. Enter new password, then press OK.

1. Kid Safe
2. G
3. PG
4. PG-13
5. PG-R
6. R
7. NC-17
8. Adult = DEFAULT

In the event you forget or lose your PARENTAL LOCK password, enter 9991.
From the main menu, touch the DISC icon on the screen to select DVD mode.

**Setup Menu**
- Accesses the DVD Setup menu

**Stop**
- Touch the ■ icon to stop the chapter where it is. Touch again to stop the disc (full stop).

**Fast Reverse**
- Touch the ◄ icon to fast reverse at 2x speed. Each touch changes speed from 2x to 4x to 8x to 16x to 32x, then back to 1x play.

**Fast Forward**
- Touch the ► icon to fast forward at 2x speed. Each touch changes speed from 2x to 4x to 8x to 16x to 32x, then back to 1x play.

**Repeat**
- Touch the ○ icon to repeat the current chapter or title.

**Sub-Title Mode**
- Activates sub-titles and cycles between multiple sub-title languages.

**Audio Mode**
- Touch this icon to activate alternate audio modes on DVD’s that have alternate audio streams.

**Title Menu**
- Accesses the DVD Title menu.
Searching a DVD

Searching by Time, Title or Chapter

Touch Area F to bring up the Search keypad, which allows a search for a specific time, title or chapter. The Time search window appears as the default. Press Time to toggle to the Title/Chapter search window.

Time Search

Once the Time search window is open, use the keyboard to enter a specific time on the disc, then touch OK. For example, to skip to 1 hour, 12 minutes and 19 seconds into the DVD, touch 01, 12, 19, OK.

Title/Chapter Search

Once the Title/Chapter search window is open, use the keypad to enter a specific title and/or chapter on the disc, then touch OK. This can be used to select a specific chapter in the current title, a new title or a specific chapter in a new title.

From the remote control:
Press SRCH once to access Time. Press SRCH again to access Title/Chapter. Use the arrows to highlight either the time, title or chapter field and use the numeric keypad to enter the appropriate information and press OK.

Note:
Some DVD discs can be played only in certain playback modes according to the intentions of the software. As the XDVD9101 plays discs according to their intentions, some functions may not work as intended. Please be sure to read the instructions provided with each disc.
DVD Operation

**Playback Control**
- Touch Area E to bring up the on-screen buttons.
- Touch ▶ to fast forward or ◀ to fast reverse.
- Each subsequent press of the button will change the speed from normal to 2x to 4x to 8x to 16x to 32x and back to 1x.

From the front panel:
- Press and hold ▶ to fast forward.
- Press and hold ◀ to fast reverse.

From the remote control:
- Press ▶ to fast forward.
- Press ◀ to fast reverse.

**Repeat Mode**
- Touch the icon to repeat either a chapter or title. The first touch activates Repeat Chapter mode and a second touch activates Repeat Title mode. Press a third time to turn Repeat Off.

From the remote control:
- Press ◀ to select Repeat Chapter, Repeat Title and Repeat Off modes.

**Play/Pause**
- Touch PLAY/PAUSE on the front panel to temporarily stop playback of the DVD. Touching it again will resume playback.

From the remote control:
- Press PLAY to temporarily stop and resume playback.

**Stop**
- Touch ■ to stop playback. Pressing PLAY at this point will resume playback. If ■ is touched a second time, then playback stops completely and will restart from the beginning of the disc.

From the remote control:
- Press ■ to stop playback.

**Sub-Titles**
- Touch the SUB-T icon to activate Sub-Title mode and select a sub-title language. Each touch will cycle the mode from off to language 1, language 2, etc., and back to off.

From the remote control:
- Press the SUB-T button to control Sub-Title mode.

**Notes:**
- Not all DVD's have sub-titles and when they do, some will only have 1 language. Therefore this function may be disabled or limited.
- The Sub-Title Mode can only be changed while the DVD is playing.
**DVD Audio**

Touch AUD to change the audio stream. Each touch will cycle the language.

From the remote control:
Press the AUDIO button to select the Audio stream.

**Notes:**
- Not all DVD's have multiple languages, therefore this function may be disabled or limited.
- The Audio stream can only be changed while the DVD is playing.

**DVD Disc Information**

Touch Area B or press INFO to bring up the DVD Disc Information, which includes:
- Current/Total Titles (1) and Chapters (5), elapsed time for current title (2), EQ Mode (3) and Loudness setting (6) and current time (4).

From the remote control:
Press the INFO button to bring up the DVD Disc Information.

**Zoom Mode**

From the remote control:
Press the ZOOM button to activate Zoom Mode.
Each subsequent press of the button will change the magnification from normal to
1x to 2x to 3x to 4x then to 1/2x, 1/3x, 1/4x and back to normal.
When Zoom Mode is active in 2x, 3x or 4x, the arrows on the remote will pan the
screen up, down, right and left.

**DVD Title Menu**

Touch the Title Menu icon to return to the DVD main menu.

From the remote control:
Press TITLE to return to the DVD main menu.
Press ROOT to move up one level on the DVD menus. (For example, when viewing
bonus materials, the ROOT button will return to the bonus menu instead of the main
menu.) Pressing ROOT again will usually return to the current chapter.

**Note:** On some DVD's the TITLE and ROOT functions may be reversed.
From the main menu, touch the DISC icon on the screen to select CD mode.

1. **Current Source Indicator**
   Displays source currently playing.

2. **Track Number Indicator**
   Displays current track number and total number of tracks on the disc.

3. **Track Time Indicator**
   Shows the elapsed time of the current track.

4. **Track Title List**
   Displays up to 6 tracks on the disc in order, with track number.

5. **Clock**
   Displays the current time.

6. **Scroll bar**
   Indicates position of current track relative to the disc.

7. **Page Up**
   Touch the icon to see the previous 6 tracks on the disc.
CD Operation - OSD Overview

Page Down  
Touch the icon to see the next 6 tracks on the disc.

Fast Forward  
Touch the icon to fast forward at 2x speed. Each touch changes speed from 2x to 4x to 8x to 16x to 32x then to 1x play.

Fast Reverse  
Touch the icon to fast reverse at 2x speed. Each touch changes speed from 2x to 4x to 8x to 16x to 32x then to 1x play.

Track Up  
Touch to skip ahead to the next track.

Track Down  
Touch once to return to the beginning of the current track.
Press again to return to the previous track.

Play/Pause  
Touch the icon to temporarily stop or resume playback.

Volume Adjustment  
Indicates current volume level. Turn the rotary or use the volume or on screen to adjust the volume level lower or higher (0-46).

Loudness Indicator  
Touch LOUD to turn the Loudness feature On or Off.

Direct Select Keyboard  
Touch DIR to display a numeric keyboard. Enter desired track number and touch OK to select it.

EQ Indicator  
Touch screen here to enter Audio Setup Menu.

Repeat  
Touch RPT to repeat current track. Rpt Trk will appear next to the MENU button while this feature is activated. Touch RPT again to exit Repeat mode.

Random  
Touch RDM to shuffle all tracks on the disc. Random will appear next to the MENU button while this feature is activated. Touch RDM again to exit Random mode.

Intro  
Touch INT to listen to 10 seconds of each track in order. Intro will appear next to the MENU button while this feature is activated. Touch INT again to exit Intro mode.
# CD Operation

| Navigating the Track Title List | Navigate the track title list in one of two ways:  
| • Using the Page Up and Page Down buttons on the screen.  
| • Using the arrow buttons on the remote control. |

**Track Select**

To select a desired track from the track title list, touch any track on the list.

From the remote control:
Press ▲ or ▼ to scroll through the tracks. When the correct track is highlighted press OK.

**Direct Select**

To navigate forwards or backwards through all tracks, press ◄ or ► on the screen, front panel or remote control:
Press ► to skip to the next track.
Press ◄ to skip to the previous track.

**Note:** Pressing ◄ once will return to the beginning of the current track. Pressing it a second time will skip to the previous track.

**Direct Track Entry**

Touch DIR to display a numeric keyboard. Enter desired track number, and touch OK to select it.

From the remote control:
Use the numeric keypad to enter the desired track number.

**Fast Forward/Fast Reverse**

Use the Fast Forward or Fast Reverse on-screen buttons to speed up the playback of a track. Each subsequent press of the button will change the speed from normal to 2x to 4x to 8x to 16x to 32x and back to 1x.

Press ► to fast forward.
Press ◄ to fast reverse.

From the remote control:
Press ► to fast forward.
Press ◄ to fast reverse.

**Intro Mode**

Touch INT on the screen to listen to all tracks on the CD for 10 seconds at a time, starting from the first track on the CD. Intro will appear next to the MENU button while this feature is activated. Touch INT again to exit Intro Mode.

**Random Mode**

Touch RDM to shuffle all of the tracks on the CD. Random will appear next to the MENU button while this feature is activated. Touch RDM again to exit Random Mode.
## CD Operation

| Repeat Mode | Touch RPT to repeat a track. **Rpt Trk** will appear next to the **MENU** button while this feature is activated. Touch RPT again to exit Random Mode. From the remote control: Press ☢️ to select Repeat. Press it a second time to disable Repeat. **Note**: **Shuffle** and **Repeat** modes can not be used simultaneously and engaging one mode will cancel the other mode (if active.) |
| Repeat A-B | From the remote control: Press A → B button once to select a start point. Press it a second time to select and end point. **RPT: A-B** will appear next to the **MENU** button. The loop will play from the start point to the end point until A → B is pressed again. |
| Play/Pause | Press **PLAY/PAUSE** to temporarily stop playback of the current track. Touching it again will resume playback. From the remote control: Press **PLAY** to temporarily stop and resume playback. |
| Stop | Press **BAND** to stop playback of the current song. Pressing **PLAY** at this point will resume playback. Press **BAND** a second time to stop playback completely. Play will restart from the beginning of the disc. From the remote control: Press ■ on the remote control to stop playback of the current song. Pressing **PLAY** at this point will resume playback. If ■ is touched a second time, playback stops completely and will restart from the beginning of the CD. |
MP3/WMA/JPG Operation - OSD Overview

From the main menu, touch the **DISC** icon on the screen to select MP3/WMA mode.

**Current Source Indicator**
Displays source currently playing.

**File Number Indicator**
Displays current file number and total number of files in the current folder.

**Elapsed Time Indicator**
Shows the elapsed time of the current song.

**Sound to Image Indicator**
Press to switch from viewing sound files to image files.

**Folder Name**
Displays the name of the currently selected folder.

**Playlist**
Displays up to 6 files in order, with filename.

**Clock**
Displays the current time.

**File Type Indicator**
Displays type of file, either **MP3**, or **WMA** or **JPG**.

**Scroll bar**
Indicates position of current file relative to the current folder.

**Page Up**
Touch the icon to see the previous 6 files in the current folder.
MP3/WMA/JPG Operation - OSD Overview

**Page Down**
Touch the icon to see the next 6 files in the current folder.

**Fast Forward**
Touch the icon to fast forward at 2x speed. Each touch changes speed from 2x to 4x to 8x to 16x to 32x then to 1x play.

**Fast Reverse**
Touch the icon to fast reverse at 2x speed. Each touch changes speed from 2x to 4x to 8x to 16x to 32x then to 1x play.

**Information**
Displays available ID3 tag information for the current song.

**Track Up**
Touch to skip ahead to the next track.

**Track Down**
Touch once to return to the beginning of the current track. Press again to return to the previous track.

**Play/Pause**
Touch icon to temporarily stop or resume playback.

**Previous Folder**
Touch the icon to select the previous available folder.

**Volume Adjustment**
Indicates current volume level. Turn the rotary or use the volume or on screen to adjust volume level lower or higher (0-46).

**Next Folder**
Touch the icon to select the next available folder.

**Loudness Indicator**
Touch LOUD to turn the Loudness feature On or Off.

**Direct Select Keyboard**
Press DIR to display a numeric keyboard. Enter desired track number and touch OK to select it.

**EQ indicator**
Press EQ to enter the Audio Setup Menu.

**Repeat**
Touch RPT to repeat current track and again to repeat all tracks in the current folder. Touch RPT again to exit Repeat mode.

**Random**
Touch RDM to shuffle all tracks in the current folder and again to shuffle all tracks on the disc. Touch RDM again to exit Random mode.

**Intro**
Touch INT to listen to 10 seconds of each track in the current folder and again to preview all tracks on the disc. Touch INT again to exit Intro mode.
The Sound to Image indicator allows the selection of either sound (MP3 or WMA) or image (JPEG) files to be displayed in the Playlist.

- Indicates that sound files are currently displayed. Press to switch to viewing image files.
- Indicates that image files are currently displayed. Press to switch to viewing sound files.

Press the Folder Name area at the top of the screen to display the first six folders on the disc. Press or or use the and buttons on the remote control to view additional folders.

Once a folder is selected, the display will change to show the first six files in that folder. The current folder name will appear in the Folder Name area. Press to navigate back to the previous folder, or press to skip forward to the next folder.

Navigate through the Playlist by pressing or on the screen. Once the desired file is highlighted, simply touch the screen at the appropriate file name to begin playback.

From the remote control:
- Press or to scroll through the files. When the correct file name is highlighted press OK.

To navigate forwards or backwards through all tracks, press or on the screen, front panel or remote control:
- Press to skip to the next track.
- Press to skip to the previous track.

Note: Pressing once will return to the beginning of the current track. Pressing it a second time will skip to the previous track.

Note: Pressing from the last track in one folder will advance to the first track in the next folder. Pressing from the first track in a folder will return to the previous folder.

Touch DIR to display a numeric keyboard. Enter desired track number in the current folder, and touch OK to select it.

From the remote control:
- Use the numeric keypad to enter the desired track number in the current folder.

Use the Fast Forward or Fast Reverse on-screen buttons to speed up the playback. Each subsequent press of the button will change the speed from normal to 2x to 4x to 8x to 16x to 32x and back to 1x.
- Press to fast forward.
- Press to fast reverse.
<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast Forward/Fast Reverse</td>
<td>From the remote control: Press ➤ to fast forward. Press ◄ to fast reverse.</td>
</tr>
<tr>
<td>Intro Mode</td>
<td>Touch INT on the screen to listen to all tracks in the current folder for 10 seconds at a time, starting from the next track. Int Fol will appear next to the MENU button while this feature is activated. Touch INT again to preview all tracks on the disc. Intro will appear next to the MENU button while this feature is activated. Touch INT again to exit Intro Mode.</td>
</tr>
<tr>
<td>Random Mode</td>
<td>Touch RDM on the screen to shuffle all tracks in the current folder. Rdm Fol will appear next to the MENU button while this feature is activated. Touch RDM again to shuffle all tracks on the disc. Rdm All will appear next to the MENU button while this feature is activated. Touch RDM again to exit Random Mode.</td>
</tr>
<tr>
<td>Repeat Mode</td>
<td>Touch RPT to repeat a track and again to repeat all tracks in the current folder. Rpt Trk or Rpt Fol will appear next to the MENU button while this feature is activated. Touch RDM again to exit Random Mode. From the remote control: Press ▼ to select between Repeat, Folder Repeat and Repeat Off modes. Note: Shuffle and Repeat modes can not be used simultaneously and engaging one mode will cancel the other mode (if active.)</td>
</tr>
<tr>
<td>Repeat A-B</td>
<td>From the remote control: Press A → B button once to select a start point. Press it a second time to select and end point. RPT: A-B will appear next to the MENU button. The loop will play from the start point to the end point until A → B is pressed again.</td>
</tr>
<tr>
<td>Play/Pause</td>
<td>Press PLAY/PAUSE to temporarily stop playback of the current track. Touching it again will resume playback. From the remote control: Press PLAY to temporarily stop and resume playback.</td>
</tr>
<tr>
<td>Stop</td>
<td>Press BAND to stop playback of the current track. Pressing PLAY at this point will resume playback. Press BAND a second time to stop playback completely. Play will restart from the beginning of the disc. From the remote control: Press  on the remote control to stop playback of the current track. Pressing PLAY at this point will resume playback. If  is touched a second time, playback stops completely and will restart from the beginning of the disc.</td>
</tr>
</tbody>
</table>
USB Operation - OSD Overview

From the main menu, touch the USB icon on the screen to select USB mode.

Current Source Indicator
Displays the source currently playing.

File Number Indicator
Displays the current file number and total number of files in the current folder.

Elapsed Time Indicator
Shows the elapsed time of the current song.

Sound to Image Indicator
Press to switch from viewing sound files to image files.

Folder Name
Displays the name of the currently selected folder.

Playlist
Displays up to 6 files in order, with filename.

Clock
Displays the current time.

File Type Indicator
Displays the type of file, either MP3, WMA, or JPG.

Scroll bar
Indicates the position of the current file relative to the current folder.

Page Up
Touch the icon to see the previous 6 files in the current folder.
USB Operation - OSD Overview

Page Down
Touch the icon to see the next 6 files in the current folder.

Fast Forward
Touch the icon to fast forward at 2x speed. Each touch changes speed from 2x to 4x to 8x to 16x to 32x then to 1x play.

Fast Reverse
Touch the icon to fast reverse at 2x speed. Each touch changes speed from 2x to 4x to 8x to 16x to 32x then to 1x play.

Information
Displays available ID3 tag information for the current song.

Track Up
Touch to skip ahead to the next track.

Track Down
Touch once to return to the beginning of the current track. Press again to return to the previous track.

Play/Pause
Touch icon to temporarily stop or resume playback.

Previous Folder
Touch the icon to select the previous available folder.

Volume Adjustment
Indicates current volume level. Turn the rotary or use the volume or on screen to adjust volume level lower or higher (0-46).

Next Folder
Touch the icon to select the next available folder.

Loudness Indicator
Touch LOUD to turn the Loudness feature On or Off.

Direct Select Keyboard
Press DIR to display a numeric keyboard. Enter desired track number and touch OK to select it.

EQ indicator
Press EQ to enter the Audio Setup Menu.

Repeat
Touch RPT to repeat current track and again to repeat all tracks in the current folder. Touch RPT again to exit Repeat mode.

Random
Touch RDM to shuffle all tracks in the current folder and again to shuffle all tracks on the disc. Touch RDM again to exit Random mode.

Intro
Touch INT to listen to 10 seconds of each track in the current folder and again to preview all tracks on the disc. Touch INT again to exit Intro mode.
## USB Operation

<table>
<thead>
<tr>
<th>USB Connection</th>
<th>Connect a device using the USB port on the front of the XDVD9101.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sound to Image Indicator</td>
<td>The Sound to Image indicator allows the selection of either sound (MP3 or WMA) or image (JPEG) files to be displayed in the Playlist.</td>
</tr>
<tr>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>Indicates that sound files are currently displayed. Press to switch to viewing image files.</td>
</tr>
<tr>
<td><img src="https://via.placeholder.com/150" alt="Image" /></td>
<td>Indicates that image files are currently displayed. Press to switch to viewing sound files.</td>
</tr>
<tr>
<td>Folder List</td>
<td>Press the Folder Name area at the top of the screen to display the first six folders on the disc. Press [ ] or [ ] or use the [ ] and [ ] buttons on the remote control to view additional folders.</td>
</tr>
<tr>
<td>Navigating the Folder/Playlist</td>
<td>Once a folder is selected, the display will change to show the first six files in that folder. The current folder name will appear in the Folder Name area. Press [ ] to navigate back to the previous folder or press [ ] to skip forward to the next folder.</td>
</tr>
<tr>
<td>Track Select</td>
<td>Navigate through the Playlist by pressing [ ] or [ ] on the screen. Once the desired file is highlighted, simply touch the screen at the appropriate file name to begin playback.</td>
</tr>
<tr>
<td>From the remote control:</td>
<td>Press [ ] or [ ] to scroll through the files. When the correct file name is highlighted press [ ].</td>
</tr>
<tr>
<td>Direct Select</td>
<td>To navigate forwards or backwards through all tracks, press [ ] or [ ] on the screen, front panel or remote control:</td>
</tr>
<tr>
<td>Press [ ] to skip to the next track.</td>
<td>Press [ ] to skip to the previous track.</td>
</tr>
<tr>
<td>Note:</td>
<td>Pressing [ ] once will return to the beginning of the current track. Pressing it a second time will skip to the previous track.</td>
</tr>
<tr>
<td>Note:</td>
<td>Pressing [ ] from the last track in one folder will advance to the first track in the next folder. Pressing [ ] from the first track in a folder will return to the previous folder.</td>
</tr>
<tr>
<td>Direct Track Entry</td>
<td>Touch DIR to display a numeric keyboard. Enter desired track number in the current folder and touch [ OK ] to select it.</td>
</tr>
<tr>
<td>From the remote control:</td>
<td>Use the numeric keypad to enter the desired track number in the current folder.</td>
</tr>
<tr>
<td>Fast Forward/Fast Reverse</td>
<td>Use the Fast Forward or Fast Reverse on-screen buttons to speed up the playback. Each subsequent press of the button will change the speed from normal to 2x to 4x to 8x to 16x to 32x and back to 1x.</td>
</tr>
<tr>
<td>Press [ ] to fast forward.</td>
<td>Press [ ] to fast reverse.</td>
</tr>
</tbody>
</table>
### USB Operation

<table>
<thead>
<tr>
<th>Function</th>
<th>Instructions</th>
</tr>
</thead>
</table>
| **Fast Forward/Fast Reverse** | From the remote control:  
Press ➤➤ to fast forward.  
Press ◄◄ to fast reverse. |
| **Intro Mode**    | Touch INT on the screen to listen to all tracks in the current folder for 10 seconds at a time, starting from the next track. Int Fol will appear next to the MENU button while this feature is activated.  
Touch INT again to preview all tracks on the disc. Intro will appear next to the MENU button while this feature is activated. Touch INT again to exit Intro Mode. |
| **Random Mode**   | Touch RDM on the screen to shuffle all tracks in the current folder. Rdm Fol will appear next to the MENU button while this feature is activated.  
Touch RDM again to shuffle all tracks on the disc. Rdm All will appear next to the MENU button while this feature is activated. Touch RDM again to exit Random Mode. |
| **Repeat Mode**   | Touch RPT to repeat a track and again to repeat all tracks in the current folder. Rpt Trk or Rpt Fol will appear next to the MENU button while this feature is activated. Touch RDM again to exit Random Mode.  
From the remote control:  
Press ◀ to select between Repeat, Folder Repeat and Repeat Off modes.  
**Note:** Shuffle and Repeat modes can not be used simultaneously and engaging one mode will cancel the other mode (if active.) |
| **Repeat A-B**    | From the remote control:  
Press A→B button once to select a start point. Press it a second time to select and end point. RPT: A-B will appear next to the MENU button. The loop will play from the start point to the end point until A→B is pressed again. |
| **Play/Pause**    | Press PLAY/PAUSE to temporarily stop playback of the current track.  
Touching it again will resume playback.  
From the remote control:  
Press PLAY to temporarily stop and resume playback. |
| **Stop**          | Press BAND to stop playback of the current track. Pressing PLAY at this point will resume playback. Press BAND a second time to stop playback completely. Play will restart from the beginning of the disc.  
From the remote control:  
Press ■ on the remote control to stop playback of the current track. Pressing PLAY at this point will resume playback. If ■ is touched a second time, playback stops completely and will restart from the beginning of the disc. |
### Media Compatibility - Disc

<table>
<thead>
<tr>
<th>MEDIA</th>
<th>CD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>File Type</strong></td>
<td></td>
</tr>
<tr>
<td>WMA</td>
<td>MP3</td>
</tr>
<tr>
<td><strong>File System</strong></td>
<td></td>
</tr>
<tr>
<td>ISO9660</td>
<td></td>
</tr>
<tr>
<td>Level 1, Level 2</td>
<td>✓</td>
</tr>
<tr>
<td>Level 3</td>
<td>X</td>
</tr>
<tr>
<td>ISO9660 Extension</td>
<td></td>
</tr>
<tr>
<td>JOLIET</td>
<td>Playback</td>
</tr>
<tr>
<td>Filename</td>
<td>32 bytes</td>
</tr>
<tr>
<td>Other Extensions</td>
<td></td>
</tr>
<tr>
<td>ROMEO</td>
<td>Playback</td>
</tr>
<tr>
<td>Filename</td>
<td>X</td>
</tr>
<tr>
<td>Apple ISO</td>
<td>X</td>
</tr>
<tr>
<td><strong>File Extension</strong></td>
<td></td>
</tr>
<tr>
<td>.mp3/.MP3/.Mp3/.mP3</td>
<td>X</td>
</tr>
<tr>
<td>.wma/.WMA</td>
<td>✓</td>
</tr>
<tr>
<td>.rmp/.m4a</td>
<td>X</td>
</tr>
<tr>
<td><strong>MPEG Format</strong></td>
<td></td>
</tr>
<tr>
<td>MPEG 1</td>
<td>X</td>
</tr>
<tr>
<td>MPEG 2</td>
<td>X</td>
</tr>
<tr>
<td>MPEG 2.5</td>
<td>X</td>
</tr>
<tr>
<td><strong>Sampling Frequency</strong></td>
<td></td>
</tr>
<tr>
<td>MPEG 1</td>
<td>X</td>
</tr>
<tr>
<td>MPEG 2</td>
<td>X</td>
</tr>
<tr>
<td>MPEG 2.5</td>
<td>X</td>
</tr>
<tr>
<td>WMA</td>
<td>22.05/32/44.1/48kHz</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td></td>
</tr>
<tr>
<td>MPEG 1</td>
<td>X</td>
</tr>
<tr>
<td>MPEG 2</td>
<td>X</td>
</tr>
<tr>
<td>MPEG 2.5</td>
<td>X</td>
</tr>
<tr>
<td>WMA</td>
<td>32 – 192kbps</td>
</tr>
<tr>
<td><strong>Other Information</strong></td>
<td></td>
</tr>
<tr>
<td>Directory Depth</td>
<td>Unlimited</td>
</tr>
<tr>
<td>File Name Length</td>
<td>23 bytes</td>
</tr>
<tr>
<td>Total File Number</td>
<td>3000 files</td>
</tr>
<tr>
<td>Total Folder Number</td>
<td>256 folders</td>
</tr>
<tr>
<td>File Number via Folder</td>
<td>3000 files</td>
</tr>
<tr>
<td>MP3 ID3 TAG</td>
<td></td>
</tr>
<tr>
<td>ver.1.x</td>
<td>X</td>
</tr>
<tr>
<td>ver.2.x</td>
<td>X</td>
</tr>
<tr>
<td>Title, Artist, Album</td>
<td>X</td>
</tr>
<tr>
<td>WMA TAG</td>
<td>Title, Artist</td>
</tr>
</tbody>
</table>
## Media Compatibility - USB Flash Drive

<table>
<thead>
<tr>
<th>MEDIA</th>
<th>USB Flash Drive</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>File Type</strong></td>
<td>WMA</td>
</tr>
<tr>
<td><strong>Media</strong></td>
<td>MP3</td>
</tr>
<tr>
<td><strong>File System</strong></td>
<td>FAT 12</td>
</tr>
<tr>
<td><strong>File Extension</strong></td>
<td>.mp3/.MP3/.Mp3/.MP3</td>
</tr>
<tr>
<td><strong>File Format</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>File Extension</strong></td>
<td>.wma/.WMA</td>
</tr>
<tr>
<td><strong>File Format</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>File Extension</strong></td>
<td>.rmp/.m4a</td>
</tr>
<tr>
<td><strong>File Format</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>MPEG Format</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>Sampling Frequency</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>8/11.025/12/16/22.05</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>24/32/44.1/48kHz</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>32/44.1/48kHz</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>8 – 320kbps</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>64 – 912kbps</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>8 – 320kbps</td>
</tr>
<tr>
<td><strong>Bitrate</strong></td>
<td>32 – 192kbps</td>
</tr>
<tr>
<td><strong>Other Information</strong></td>
<td>Unlimited</td>
</tr>
<tr>
<td><strong>File Name Length</strong></td>
<td>Unlimited</td>
</tr>
<tr>
<td><strong>Total File Number</strong></td>
<td>3000 files</td>
</tr>
<tr>
<td><strong>Total Folder Number</strong></td>
<td>256 folders</td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>MP3 ID3 TAG</strong></td>
<td>ver.1.x</td>
</tr>
<tr>
<td><strong>MP3 ID3 TAG</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>MP3 ID3 TAG</strong></td>
<td>ver.2.x</td>
</tr>
<tr>
<td><strong>MP3 ID3 TAG</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>WMA TAG</strong></td>
<td>Title, Artist, Album</td>
</tr>
<tr>
<td><strong>WMA TAG</strong></td>
<td>X</td>
</tr>
</tbody>
</table>

### Notes:
- For best results, use the following settings when ripping MP3 files:
  - 128kbps or higher constant bit rate
  - 44.1kHz or higher sampling frequency
- For best results, use the following settings when ripping WMA files:
  - 64kbps or higher constant bit rate
  - 44.1kHz or higher sampling frequency
## Media Compatibility - Notes

<table>
<thead>
<tr>
<th>Media Compatibility</th>
<th>The following types of discs are compatible:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• CD-DA, CD-ROM (ISO), CD-R, CD-RW</td>
</tr>
<tr>
<td></td>
<td>• DVD Video, DVD+R/RW, DVD-R/RW</td>
</tr>
</tbody>
</table>

The following types of discs/files are **not** compatible:

- WMA files that are protected by DRM (Digital Rights Management)
- WMA lossless format
- Discs recorded with Track At Once or packet writing
- MP3 PRO format
- MP3 playlists
- WAV format
- WMV format
- DivX format
- AVI format
- MPG format
- AAC format

Some recordable DVD’s and CD’s may be incompatible with this unit, depending on media type and recording method.

<table>
<thead>
<tr>
<th>Playback Order</th>
<th>MP3/WMA playback sequence is based on recorded order of files and begins in the root folder of the disc or USB flash drive. Any empty folders or folders that do not include MP3/WMA/JPG files are skipped. Refer to your recording software’s user’s manual for more information.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Compatible Recording Formats</th>
<th>ISO9660 standards:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Maximum nested folder depth is 8 (including the root folder).</td>
</tr>
<tr>
<td></td>
<td>• Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and &quot;_&quot; (underscore). Some characters may not be displayed correctly, depending on the character type.</td>
</tr>
<tr>
<td></td>
<td>• This device can play back discs in Joliet and other standards that conform to ISO9660. MP3/WMA written in the formats other than the above may not play and/or their file names or folder names may not be displayed properly.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional MP3/WMA Information</th>
<th>An internal buffer provides ESP (Electronic Skip Protection) to virtually eliminate skipping.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>When playing a disc recorded with regular audio files (CD-DA or .WAV) and MP3/WMA files, the unit will play the MP3/WMA files only.</td>
</tr>
</tbody>
</table>

**Note:**
Some files may not play or be displayed correctly, depending on sampling rates and bit rates.
Connect an iPod device using the included cable. From the main menu, touch the icon of the iPod device on the screen.

- **Current Source Indicator**
  Displays source currently playing.

- **Song Number Indicator**
  Displays current song number and total number of songs.

- **Elapsed Time Indicator**
  Shows the elapsed time of the current song.

- **Artist Information**
  Displays the artist information for the currently selected song.

- **Playlist**
  Displays up to 6 songs/groups in order, with filename.

- **Clock**
  Displays the current time.

- **Scroll bar**
  Indicates position of current song in relation to the current folder.

- **Page Up**
  Touch the icon to see the previous 6 songs.

- **Page Down**
  Touch the icon to see the next 6 songs.
## Operation of iPod - OSD Overview

| 10 | Fast Forward | Touch the icon to fast forward at 2x speed. Touch again to cancel. |
| 11 | Fast Reverse | Touch the icon to fast reverse at 2x speed. Touch again to cancel. |
| 12 | Album Information | Displays available album information for the current song. |
| 13 | Track Up | Touch to skip ahead to the next song. |
| 14 | Track Down | Touch once to return to the beginning of the current song. Press again to return to the previous song. |
| 15 | Play/Pause | Touch icon to temporarily stop or resume playback. |
| 16 | Group Select Mode | Allows selection of songs by various groups. |
| 17 | Volume Adjustment | Indicates current volume level. Turn the rotary or use the volume or on screen to adjust volume level lower or higher (0-46). |
| 18 | Return/Back | Touch to return to the previous group/menu. |
| 19 | Loudness Indicator | Touch LOUD to turn the Loudness feature On or Off. |
| 20 | Video Mode | Allows viewing of video files from an iPod with video. |
| 21 | EQ indicator | Press EQ to enter the Audio Setup Menu. |
| 22 | Repeat | Touch RPT to repeat current song. Repeat will appear next to the MENU button while this feature is activated. Touch RPT again to exit Repeat mode. |
| 23 | Random | Touch RDM to shuffle all songs. Random will appear next to the MENU button while this feature is activated. Touch RDM again to exit Random mode. |
| 24 | Intro | Touch INT to listen to 10 seconds of each song in order. Intro will appear next to the MENU button while this feature is activated. Touch INT again to exit Intro mode. |
Operation of iPod

Search Menu
The content is organized by groups. Touch the search menu on the screen to access the search menu. Once in search menu, select one of the group types from the menu, then select an item in that group.

For example:
• Select the Artist group and the display will change to a list of available artists. Then select an artist from this list to hear some or all songs from that artist.
• Select the Song group to hear all songs.

Return/Back
Touch the on-screen button to go back to a previous menu. For example, when browsing songs from a particular artist in Artist group mode, touch to return to the list of all available artists.

Page Up/Down
When there are more than 6 songs in a given group, the Page Up and Page Down on-screen buttons can be used to see the rest of the songs in the current group. Then use the Direct Select method to play a song from that group.

The Page Up and Page Down on-screen buttons can be used to preview the next/previous pages.

Note: The Page Up/Down buttons will not select a song, but simply display more songs in the group. If another song is not selected within 10 seconds of the last press then the screen will return to the currently playing song/group.

Song Select
From the remote control:
Press to skip to the next song.
Press to return to the beginning of the current song. A second press will skip to the previous song.

Direct Select
To select a desired song from the song list, touch any of the displayed songs in the list.

From the remote control:
When the correct song is highlighted press OK.
### Operation of iPod

**Song Control**

You can use the Fast Forward and Fast Reverse on-screen buttons to play a song forwards or backwards at a higher speed. Touch the same button a second time or press Play to return to normal playback.

From the remote control:
- Press ➤ to fast forward.
- Press ◀ to fast reverse.

**Intro Mode**

Touch INT on the screen to listen to all songs in the current group for 10 seconds at a time, starting from the next track. Intro will appear next to the MENU button while this feature is activated. Touch INT again to exit Intro Mode.

**Random Mode**

Touch RDM to shuffle the songs in the current group. Random will appear next to the MENU button while this feature is activated. Touch RDM again to exit Random Mode.

**Repeat Mode**

Touch RPT to repeat a song. Repeat will appear next to the MENU button while this feature is activated. Touch RPT again to exit Repeat Mode.

From the remote control:
- Press  to select Repeat. Press it a second time to disable Repeat.

**Note:** Shuffle and Repeat modes can not be used simultaneously and engaging one mode will cancel the other mode (if active.)

**Play/Pause**

Press PLAY/PAUSE to temporarily stop playback of the current song. Press it again will resume playback.

Press the PLAY/PAUSE button to pause or resume the song.

From the remote control:
- Press PLAY to temporarily stop and resume playback.
Playing Photos or Videos

Notes:
VIDEO/PHOTO FILES are only compatible with an iPod with video.

It is not possible to view videos or photos on the in-dash monitor while the vehicle is moving. This is a safety feature to prevent driver distraction. Video/photo functions will only operate when vehicle is in Park and the parking brake is engaged as described on page 32.

• Touch VID icon to exit operation of iPod audio and wait for video signal.
• Make sure VIDEO OUTPUT is turned on in the iPod with video.
• Press PLAY on the iPod with video. Photos or video will appear.

Releasing Video Control

• Touch anywhere on the screen during video playback to resume operation of iPod music.
### Operation of iPod

<table>
<thead>
<tr>
<th>Selecting Music By:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Playlists</td>
<td></td>
</tr>
<tr>
<td>Artists</td>
<td></td>
</tr>
<tr>
<td>Albums</td>
<td></td>
</tr>
<tr>
<td>Genres</td>
<td></td>
</tr>
<tr>
<td>Songs</td>
<td></td>
</tr>
<tr>
<td>Composers</td>
<td></td>
</tr>
</tbody>
</table>

Touch desired Folder, music will begin to play after selection.

### Character Support

Only alphanumeric characters can be displayed (ASCII type).

Artist Name and Album name will only be displayed if included with the song.

### Device Compatibility

Compatible with:
- iPod touch (2nd generation)
- iPod nano (4th generation)
- iPod classic
- iPod touch (1st generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod with video
- iPod nano (1st generation)
### Auxiliary Inputs - AV1 / AV2

| Using A/V1 Input | Connect an optional audio/video source into the 3.5mm (front panel) input.  
Select AV/1 from the Main Menu to listen to audio.  
Engage parking brake as described on page 32 to watch video.  
Adjust volume on the external audio source as needed (if connected to the  
headphone output). |
|------------------|---------------------------------------------------------------|
| Using A/V2 Input | Connect an optional audio/video source to the Auxiliary Input 2 (Red/White/Yellow  
RCA connectors). Refer to page 6 for details.  
Select AV/2 from the Main Menu to listen to audio.  
Engage parking brake as described on page 32 to watch video. |

### Rear Camera Operation - (Optional)

| Using Rear Camera | Connect an optional rear camera to the Camera Input (Black RCA connector).  
Refer to page 6 for details.  
The camera image can be reversed (if needed) in the Main Setup Menu. Refer to  
page 18 for details.  
Manual selection - Touch CAMERA icon from the Main Menu to select camera  
mode. Touch the top left area on the screen to exit camera mode. |
|-------------------|---------------------------------------------------------------------|
| Auto Selection    | The unit will automatically select camera mode when connected to the reverse  
lamp circuitry. Refer to page 6 for details. Anytime the reverse gear is selected,  
the panel will open and select camera mode automatically. |
Limited One Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Dual Electronics Corp. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Dual Electronics Corp. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

Who is covered? This warranty is extended to the original retail purchaser for products purchased from an authorized Dual dealer and used in the U.S.A.

What is covered? This warranty covers all defects in material and workmanship in this product. The following are not covered: software, installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product. Specific license conditions and copyright notices for the software can be found via www.dualav.com.

What to do?

1. Before you call for service, check the troubleshooting guide in your owner’s manual. A slight adjustment of any custom controls may save you a service call.

2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.

3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.

4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:
   - Call us toll-free at 1-866-382-5476
   - E-mail us at cs@dualav.com

Exclusion of Certain Damages: This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company’s negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.
Specifications

**DVD Player**
- **Frequency response:** 10Hz-20kHz
- **Channel separation @ 1kHz:** >65dB
- **D/A converter:** 24 Bit

**FM Tuner**
- **Tuning range:** 87.5MHz-107.9MHz
- **Usable sensitivity:** 8.5dBf
- **50dB quieting sensitivity:** 10dBf
- **Stereo separation @ 1kHz:** 40dB
- **Frequency response:** 30Hz-13kHz

**AM Tuner**
- **Tuning range:** 530kHz-1710kHz
- **Usable sensitivity:** 22uV
- **Frequency response:** 30Hz-2.2kHz

**Monitor**
- **Panel size:** 7” (177.8 mm) diagonal measurement
- **View angle (up/down/left/right):** 30/60/60/60
- **Resolution:** 480 W x 234 H
- **Brightness (cd/m²):** 350
- **Contrast ratio:** 350:1
- **Elements:** 336,960

**General**
- **Operating voltage:** 11-16 VDC, negative ground
- **Speaker output impedance:** 4~8 ohms
- **Line output voltage:** 2 Volts
- **Line output impedance:** 200 ohms
- **Chassis dimensions:** 7” x 7” x 2” (178 x 178 x 51 mm)

Design and specifications subject to change without notice.

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**CEA-2006 Power Standard Specifications**
(reference: 14.4VDC +/- 0.2V, 20Hz-20kHz)

- **Power Output:** 17 Watts RMS x 4 channels at 4 ohms and ≤ 1% THD+N
- **Signal to Noise Ratio:** 80dBA (reference: 1 watt into 4 ohms)
## Troubleshooting

### General

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit will not turn on (no power)</td>
<td>Yellow wire not connected or incorrect voltage</td>
<td>Check connections for proper voltage (11~16VDC)</td>
</tr>
<tr>
<td></td>
<td>Red wire not connected or incorrect voltage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Black wire not connected</td>
<td>Check connection to ground</td>
</tr>
<tr>
<td></td>
<td>Fuse blown</td>
<td>Replace fuse</td>
</tr>
<tr>
<td>Unit has power (but no sound)</td>
<td>Speaker wires not connected</td>
<td>Check connections at speakers</td>
</tr>
<tr>
<td></td>
<td>One or more speaker wires touching each other or touching chassis ground</td>
<td>Insulate all bare speaker wires from each other and chassis ground</td>
</tr>
<tr>
<td>Unit blows fuse</td>
<td>Yellow or red wire touching chassis ground</td>
<td>Check for pinched wire</td>
</tr>
<tr>
<td></td>
<td>Speaker wires touching chassis ground</td>
<td>Check for pinched wire</td>
</tr>
<tr>
<td></td>
<td>Incorrect fuse rating</td>
<td>Use fuse with correct rating</td>
</tr>
<tr>
<td>Unit has audio (but no video)</td>
<td>Parking brake safety circuit not connected</td>
<td>Check connections at parking brake</td>
</tr>
<tr>
<td></td>
<td>Parking brake not applied</td>
<td>Apply parking brake as described on page 32</td>
</tr>
<tr>
<td>No video display (when in reverse)</td>
<td>Reverse circuit not connected</td>
<td>Check connections at reverse lamp</td>
</tr>
<tr>
<td></td>
<td>Vehicle is not in reverse</td>
<td>Select reverse gear</td>
</tr>
<tr>
<td>DVD does not start playback</td>
<td>Physical defect in media</td>
<td>Check media for scratches</td>
</tr>
<tr>
<td></td>
<td>Wrong region</td>
<td>Use discs labeled “Region 1” or “All” only.</td>
</tr>
<tr>
<td>IR remote does not work</td>
<td>Dead battery</td>
<td>Replace battery</td>
</tr>
<tr>
<td>Excessive skipping</td>
<td>Unit is not mounted correctly</td>
<td>Check mounting sleeve</td>
</tr>
<tr>
<td></td>
<td>Physical defect in media</td>
<td>Check media for scratches</td>
</tr>
<tr>
<td>Invalid Disc appears on display</td>
<td>Focus error or disc is in upside down</td>
<td>Press eject or RESET</td>
</tr>
<tr>
<td>Invalid Region appears on display</td>
<td>Region code error</td>
<td>Use only DVD’s labeled “Region 1” or “All” only.</td>
</tr>
<tr>
<td>Front panel will not open/close</td>
<td>Front panel obstructed</td>
<td>Remove the obstacle and press OPEN to resume the monitor open/close sequence.</td>
</tr>
</tbody>
</table>