CONTENTS

Thank you for choosing a Phase Linear product. We hope you will find the instructions in this
owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll
learn how to use all the features of your new Phase Linear UV8020 Mobile Multimedia
Receiver for maximum enjoyment.

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7. Speaker Output Harness
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9. 2.5mm to 3.5mm Accessory Cable
10. 2.5mm to RCA Accessory Cable

Tools and Supplies
You will need these tools and supplies to install your UV8020:
- Torx type, flat-head and Philips screwdrivers
- Wire cutters and stripers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Volt meter/test light
- Crimp connections
- 18 gauge wire for power connections
- 16 – 18 gauge speaker wire

WARNING! Only connect the unit to a 12-volt power supply with proper grounding.

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! Never disassemble or adjust the unit.

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

WARNING! Never use irregular discs.
INSTALLATION

ISO DIN Installation

This unit is designed to fit into a 2.0 DIN dashboard opening, found in many imported cars. The unit has threaded holes in the chassis side panels which may be used with the original factory mounting brackets of some Toyota, Nissan, Mitsubishi, Isuzu, Hyundai and Honda vehicles to mount the radio to the dashboard. Please consult with your local car stereo specialty shop for assistance on this type of installation.

1. Remove the existing factory radio from the dashboard or center console mounting. Save all hardware and brackets as they will be used to mount the new radio.
2. Remove the four screws at the front of the radio that attach the mounting sleeve to the radio chassis. (two at the top and two at the bottom). Remove the Half Sleeve.
3. Remove the factory mounting brackets and hardware from the existing radio and attach them to the new radio.

**ISO INSTALLATION**

**CAUTION: Do not exceed M5 X 6MM screw size. Longer screws may touch and damage components inside the chassis.**

4. Place the radio in front of the dashboard opening so the wiring can be brought through the dash. Follow the wiring diagram carefully and make certain all connections are secure and insulated with wire nuts or electrical tape. After completing the wiring connections, plug the ISO connectors into the mating sockets on the rear of the chassis. Turn the unit on to confirm operation (vehicle ignition switch must be "on"). If the unit does not operate, re-check all wiring until the problem is corrected.
5. Mount the new radio assembly to the dashboard or center console using the reverse procedure in step 1.

**INSTALL HALF SLEEVE**

**CAUTION: For proper operation of the CD player, the chassis must be mounted within 30° of horizontal. Make sure the unit is mounted within this limitation.**

**NOTE: It is the end-users responsibility to install and operate this unit in a manner in accordance with local, state and federal laws. The PARKING BRAKE wire MUST BE CONNECTED as directed in the manual.**

**Installation Using Mounting Sleeve**

1. Press the metal levers on both sides to remove the mounting sleeve from the radio.
2. Install the sleeve.
   a. Install adapter if necessary (optional).
   b. Install sleeve into adapter or dashboard (use only the supplied screws). Do not force the sleeve into the opening or cause it to bend or bow.
3. Use the M5 x 6 screws (provided) to install the mounting brackets to each side of the radio using the holes indicated below.
4. Place the radio in front of the dashboard opening so the wiring can be brought through the mounting sleeve.
5. Complete wiring as illustrated in the wiring diagram on page 3. Once the wiring is complete, reconnect the battery negative terminal. If there is no ACC available, connect the ACC lead to the power supply with a switch.

After completing the wiring connections, turn the unit on to confirm operation (ignition switch must be on). If unit does not operate, recheck all wiring until problem is corrected. Once proper operation is achieved, turn off the ignition switch and proceed with final mounting of the chassis.

1. Connect wiring adapter to existing wiring harness.
2. Connect antenna lead.
3. Carefully slide the radio into the sleeve, making sure it is right-side-up until it is fully seated and the spring clips lock it into place.

Using the Cosmetic Trim Ring
Two cosmetic trim rings are packaged with the UV8020 for installation flexibility. The UV8020 will fit into most import dashes with little or no modification to the dash board/cavity. Some US domestic vehicle dashes will accept a Double-DIN chassis, but there is usually a small gap between the radio and dash piece after installation is complete. In this case, use the appropriate trim ring to conceal any gaps that may be present.

The 4 tabs on the trim ring will snap into four holes on top and bottom of the mounting sleeve.

Replacing the Fuse
The fuse is located next to the wiring harness. When replacing the fuse, use a new 15A replacement fuse. Using a fuse with an improper rating could damage the unit and cause a fire.
CONTROLS AND INDICATORS

1. **POWER/MUTE**
   Press to turn the unit on. *Press and hold* to turn the unit off.
   When on, press to silence the receiver. Press again to resume the previous volume level.

2. **SRC**
   Press to select playing mode (SD, AV IN, DISC, Tuner).

3. **VOL-**
   Press to adjust the volume lower.

4. **VOL+**
   Press to adjust the volume higher.

5. **OPEN/EJECT**
   Press to activate the automatic mechanical system and move the TFT monitor down to reveal the CD and SD Card slots.
   Press again to close the TFT.
   *Press and hold* to view the on-screen tilt controls.

6. **DIM**
   Press repeatedly to dim the TFT screen or return to the brightness setting specified in the Setup menu.

7. **A/V AUX IN**

8. **IR Remote Control Receiver**

9. **RESET**
   Press to reset system settings to factory default.

10. **TFT Display**

11. **Disc Slot**

12. **Disc Slot Indicator**

13. **EJECT Disc**

14. **SD Card Slot**
# Remote Control

## Table 1: Remote Control Functions

<table>
<thead>
<tr>
<th>Button</th>
<th>Ref#</th>
<th>DVD Function</th>
<th>VCD Function</th>
<th>TUNER Function</th>
<th>CD/MP3 Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>MENU</td>
<td>1</td>
<td>Enters the main menu of the disc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TITLE</td>
<td>2</td>
<td>Enters the title menu of the disc</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUTE</td>
<td>3</td>
<td>Toggles audio output on/off</td>
<td>Toggles audio output on/off</td>
<td>Toggles audio output on/off</td>
<td>Toggles audio output on/off</td>
</tr>
<tr>
<td>POWER/○</td>
<td>4</td>
<td>Turns the power on/off</td>
<td>Turns the power on/off</td>
<td>Turns the power on/off</td>
<td>Turns the power on/off</td>
</tr>
<tr>
<td>AUDIO</td>
<td>5</td>
<td>Changes the audio language for disc playback</td>
<td>Selects STEREO, MONO L or MONO R output</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REPT A-B</td>
<td>6</td>
<td>Setup to repeat playback from time frame A to time frame B</td>
<td>Setup to repeat playback from time frame A to time frame B</td>
<td>Setup to repeat playback from time frame A to time frame B</td>
<td>Setup to repeat playback from time frame A to time frame B</td>
</tr>
<tr>
<td>REPT</td>
<td>7</td>
<td>Repeats playback of current title/chapter</td>
<td>Repeats playback of current title/chapter</td>
<td>Repeats playback of current track/album/directory</td>
<td>Repeats playback of current track/album/directory</td>
</tr>
<tr>
<td>SRC</td>
<td>8</td>
<td>Selects playing mode</td>
<td>Selects playing mode</td>
<td>Selects playing mode</td>
<td>Selects playing mode</td>
</tr>
<tr>
<td>SUBTITLE</td>
<td>9</td>
<td>Selects subtitle language, if available</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSD</td>
<td>10</td>
<td>Displays playing information</td>
<td>Displays playing information</td>
<td>Displays playing information</td>
<td>Display playing information</td>
</tr>
<tr>
<td>ANGLE</td>
<td>11</td>
<td>Plays back disc in different angle for a scene</td>
<td>Plays back Picture CD with different angle of picture displayed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MODE</td>
<td>12</td>
<td>Displays SOURCE Menu</td>
<td>Displays SOURCE Menu</td>
<td>Displays SOURCE Menu</td>
<td>Displays SOURCE Menu</td>
</tr>
<tr>
<td>SEL</td>
<td>13</td>
<td>Displays Audio/Display Menu</td>
<td>Displays Audio/Display Menu</td>
<td>Displays Audio/Display Menu</td>
<td>Displays Audio/Display Menu</td>
</tr>
<tr>
<td>VOL -</td>
<td>14</td>
<td>Stops playback</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOL +</td>
<td>15</td>
<td>Decreases volume</td>
<td>Decreases volume</td>
<td>Decreases volume</td>
<td>Decreases volume</td>
</tr>
<tr>
<td>VOL +</td>
<td>16</td>
<td>Increases volume</td>
<td>Increases volume</td>
<td>Increases volume</td>
<td>Increases volume</td>
</tr>
<tr>
<td>■</td>
<td>17</td>
<td>Selects the previous chapter for playback, press and hold for fast reverse</td>
<td>Selects the previous chapter for playback, press and hold for fast reverse</td>
<td>Searches an available radio station by decreasing tuning frequency</td>
<td>Selects the previous track for playback, press and hold for fast reverse</td>
</tr>
<tr>
<td>▶</td>
<td>18</td>
<td>Selects the next chapter for playback, press and hold for fast forward</td>
<td>Selects the next chapter for playback, press and hold for fast forward</td>
<td>Searches an available radio station by increasing tuning frequency</td>
<td>Selects the next track for playback, press and hold for fast forward</td>
</tr>
<tr>
<td>▶/Ⅱ</td>
<td>19</td>
<td>Pauses playback/stops playback</td>
<td>Pauses playback/stops playback</td>
<td>Pauses playback/stops playback</td>
<td>Pauses playback/stops playback</td>
</tr>
<tr>
<td>GOTO</td>
<td>20</td>
<td>Enter chapter directly</td>
<td>Enter track directly</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ZOOM</td>
<td>21</td>
<td>Zooms in/out on an image</td>
<td>Zooms in/out on an image</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BAND</td>
<td>22</td>
<td>Opens Front Panel</td>
<td></td>
<td>Selects AM/FM Band</td>
<td></td>
</tr>
<tr>
<td>EJECT</td>
<td>23</td>
<td>Opens Front Panel</td>
<td>Opens Front Panel</td>
<td>Opens Front Panel</td>
<td>Opens Front Panel</td>
</tr>
</tbody>
</table>

**NOTE:** Your remote control may differ slightly from the one pictured here. The above diagram is for illustrative purposes only.
<table>
<thead>
<tr>
<th>Button</th>
<th>Name</th>
<th>Ref#</th>
<th>DVD</th>
<th>VCD</th>
<th>TUNER</th>
<th>CD/MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>⬇️</td>
<td>↓4</td>
<td>Decreases monitor tilt angle</td>
<td>Decreases monitor tilt angle</td>
<td>Decreases monitor tilt angle</td>
<td>Decreases monitor tilt angle</td>
<td></td>
</tr>
<tr>
<td>⬆️</td>
<td>25</td>
<td>Increases monitor tilt angle</td>
<td>Increases monitor tilt angle</td>
<td>Increases monitor tilt angle</td>
<td>Increases monitor tilt angle</td>
<td></td>
</tr>
<tr>
<td>OK</td>
<td>26</td>
<td>Confirms Entry</td>
<td>Confirms Entry</td>
<td>Confirms Entry</td>
<td>Confirms Entry</td>
<td></td>
</tr>
<tr>
<td>1, 2, 3, 4, 5, 6, 7, 8, 9, 0, 10+ (Numeric Keypad)</td>
<td>27</td>
<td>Directly accesses chapter (press 10+ to move forward in increments of ten and then press a single number for the final digit)</td>
<td>Confirms Entry</td>
<td>Confirms Entry</td>
<td>Directly accesses track (press 10+ to move forward in increments of ten and then press a single number for the final digit)</td>
<td></td>
</tr>
<tr>
<td>TIME</td>
<td>28</td>
<td>Displays clock on TFT</td>
<td>Displays clock on TFT</td>
<td>Displays clock on TFT</td>
<td>Displays clock on TFT</td>
<td></td>
</tr>
<tr>
<td>DVD SETUP</td>
<td>29</td>
<td>Displays DVD Setup menu</td>
<td>Displays DVD Setup menu</td>
<td>Displays DVD Setup menu</td>
<td>Displays DVD Setup menu</td>
<td></td>
</tr>
<tr>
<td>➤</td>
<td>30</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td></td>
</tr>
<tr>
<td>◄</td>
<td>31</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td></td>
</tr>
<tr>
<td>▲</td>
<td>32</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td></td>
</tr>
<tr>
<td>▼</td>
<td>33</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td>Navigates on-screen menu</td>
<td></td>
</tr>
<tr>
<td>PROG</td>
<td>34</td>
<td>Displays Programmed Playback Screen</td>
<td>Displays Programmed Playback Screen</td>
<td>Displays Programmed Playback Screen</td>
<td>Displays Programmed Playback Screen</td>
<td></td>
</tr>
</tbody>
</table>
**USING THE TFT MONITOR**

**Open/Close TFT Monitor**

**Open TFT Monitor**
Press the **EJECT** button on the front panel (5) or remote control (23) to slide the monitor panel down and reveal the disc and SD card slots.

**Close TFT Monitor**
Press the **EJECT** button on the front panel (5) or remote control (23) to close the monitor panel.

**Monitor Tilt Angle Adjustment**
A known characteristic of LCD panels is the quality of the display in relationship to the viewing angle. The monitor angle can be adjusted for optimum viewing using one of the following methods.

**Step by Step Angle Adjustment**
Press the ( \( \wedge \) ) or ( \( \vee \) ) button on the remote control (25, 24) to adjust the tilt angle of the screen one step at a time.

**Continuous Angle Adjustment**
Press and hold the ( \( \wedge \) ) or ( \( \vee \) ) button on the remote control to adjust the tilt angle in a continuous motion.

**On-Screen Panel Controls**
Press and hold the **\( \wedge / \) EJECT** button (5) on the control panel to display the on-screen tilt control menu.

- **TILT+**: Touch repeatedly to tilt the bottom of the screen outward.
- **TILT-**: Touch repeatedly to tilt the bottom of the screen inward.
- **EXIT**: Touch to exit the on-screen tilt control menu.

**Reverse Driving Use**
If a review video camera is connected, the monitor automatically switches to CAMERA mode when the vehicle is put into reverse. When the vehicle is taken out of reverse, the monitor returns to the source in use previously.

**Image Setting**
Table 2 shows the video output mode for each playing source.

<table>
<thead>
<tr>
<th>Playing Source</th>
<th>Video Output Modes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM/FM TUNER</td>
<td>RGB Mode</td>
</tr>
<tr>
<td>DVD</td>
<td>RGB Mode</td>
</tr>
<tr>
<td>AUX IN</td>
<td>CVBS Mode</td>
</tr>
</tbody>
</table>

*CVBS – Composite Video Baseband Signal

**Parking Brake Inhibit**
When the pink "Parking" wire is connected to the vehicle brake switch, the front TFT monitor will display video only when the parking brake is engaged.
OPERATING INSTRUCTIONS

Power On / Off
Press the button (1) on the unit (or the button (4) on the remote control) to turn the unit on.

Press and hold the button to power off the unit. The monitor is drawn back into the main compartment (if the Tilt function is in use).

Audible Beep Confirmation
An audible beep tone confirms each function selection. The Beep tone can be disabled through the Setup menu.

Mute
Press the button (1) on the front panel or the Mute button (3) on the remote to mute the volume from the unit. MUTE is displayed on the screen. Press the button again to restore the volume. Adjusting the volume or using any of the audio setup features cancels the mute function.

Playing Source Selection
Press the SRC button (2) on the front panel or the SRC button (8) on the remote to change between available playing sources in the following order: SD, AUX (AV-IN), DISC and BAND (Radio). The playing mode is displayed on the TFT screen.

Source Menu
You can also use the touch screen to change the source through the SOURCE MENU. To access the SOURCE MENU, touch the top left corner of the screen (or press the button (12) on the remote control). Touch the SD, AUX, DISC or BAND button to select the corresponding source.

External Devices
External peripheral devices, including a game console, camcorder, navigation unit, iPod, Zune, etc. can be connected to the front of this unit using one of the A/V Media Adapter Cables (included). Select ‘AUX’ mode to access auxiliary devices. You cannot directly control external devices connected to the AUX IN inputs.

Volume Adjustment
To increase or decrease the volume level, press the VOL+ button on the unit (3, 4) or on the remote control (18, 16). When the volume level reaches “0” or “40”, a beep sounds, indicating that the adjustment limit has been reached. The volume ranges from “0” to “40”. The TFT screen displays the volume level for 3 seconds.

Audio/Display Menu
The Audio/Display menu 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.

Press the SEL button on the remote control (13) or on screen (or touch the button left corner of the screen) to view the audio menu. To adjust an audio feature:
- Use the arrow keys on the remote control to move left/right to select an option or up/down to modify settings for the selected option.
- Touch the arrows on the TFT screen at the top or bottom of each option to adjust the settings.

<table>
<thead>
<tr>
<th>Audio Function</th>
<th>Adjustable Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQ (graphic equalizer)</td>
<td>User, Flat, Clas (classical)</td>
</tr>
<tr>
<td>TRE (treble)</td>
<td>7 to +7</td>
</tr>
<tr>
<td>FAD (fader)</td>
<td>F7 to R7</td>
</tr>
<tr>
<td>BAL (balance)</td>
<td>L7 to R7</td>
</tr>
<tr>
<td>BRI (brightness)</td>
<td>-8 to +8</td>
</tr>
<tr>
<td>CON (contrast)</td>
<td>-8 to +8</td>
</tr>
<tr>
<td>COL (color)</td>
<td>-8 to +8</td>
</tr>
<tr>
<td>SUB (subwoofer volume)</td>
<td>33 to 0</td>
</tr>
</tbody>
</table>

NOTE: The EQ mode will automatically change to “USER” when individual audio functions are adjusted. If the USER settings correspond with a preset curve, that EQ option will be displayed.

The Audio menu will automatically exit after a few seconds of inactivity. To exit quickly, touch the bottom left corner of the screen.

Setup Menu (SET)
To access the Setup Menu, touch the top left corner of the screen to view the SOURCE menu, and then select the “SET” option. The SET menu options are as follows:

- LOUD OFF/ON: When listening to music at low volumes, this feature will boost the bass and treble ranges to compensate for the characteristics of human hearing. Touch the arrows to turn LOUD OFF/ON.
- BEEP OFF/ON: Touch the arrows to turn the audible BEEP confirmation OFF/ON.
- 24 HOURS/12 HOURS: Select 12 or 24-hour clock display.
- Clock: Touch the left arrow to set the hour and the right arrow to set the minutes.
- SUB OFF/ON: Select “ON” if an external subwoofer is connected.
- CAMERA OFF/ON: When a rear-view camera is properly installed, the System will automatically display the rear camera image when the vehicle is placed in reverse gear. To view the camera image regardless of the gear setting, select “ON”.
- MIRROR OFF/ON: Select “ON” to reverse the screen image for rear view camera use.
- LCD CALIBRATE: Touch and hold to initiate screen calibration. Touch the + marks when prompted.
- VOL LAST/ADJUST
  - VOL LAST: When turned on, the unit will resume the same volume level that was set when the unit was last turned off.
  - VOL ADJUST: Select this option if you want to set a turn-on volume (A-VOL) regardless of the volume setting prior to turning the unit off.
- A VOL: Touch the arrows to set the desired turn-on volume when VOL ADJUST is selected.
- US BAND/EURO BAND: Touch and hold to select “EURO BAND”. The unit will automatically turn off and re-boot when the tuner band is changed.

System Reset
To correct a system halt or other illegal operation, use the tip of a pen to press the reset button (9) located on the front bottom-left corner of the unit. After a system reset, the unit restores all factory default settings.
NOTE: If the unit is reset while a DVD is playing, the DVD resumes play once the reset is complete.
**DVD SETUP MENU**

During disc play, press the DVD SETUP button (29) on the remote control to access the SYSTEM SETUP menu.

Use the ▲, ▼, ◀ or ▶ cursor buttons to choose between SYSTEM, LANGUAGE, or VIDEO setup options.

### Table 4: System Setup Menu

<table>
<thead>
<tr>
<th>SYSTEM SETUP</th>
<th>VIDEO FORMAT</th>
<th>NTSC</th>
<th>The color signals are output in the standard NTSC format.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PAL</td>
<td></td>
<td>The color signals are output in the standard PAL format.</td>
</tr>
<tr>
<td></td>
<td>AUTO</td>
<td></td>
<td>The color signal output is switched automatically based on the current video input signal - NTSC or PAL.</td>
</tr>
</tbody>
</table>

| PASSWORD | - - - - | Enter a 4-digit password to activate the “Rating” feature. The original password is “8888”.

| RATING | 1 KID SAFE | Select the appropriate rating level for the intended audience. |
|        | 2 G        | You may override ratings by entering your password. |
|        | 3 PG       |                                             |
|        | 4 PG13     |                                             |
|        | 5 PG-R     |                                             |
|        | 6 R        |                                             |
|        | 7 NC-17    |                                             |
|        | 8 ADULT    |                                             |

| DEFAULT | RESTORE | Select “Reset” to restore the factory default settings for the Rating system only. |

| LANGUAGE SETUP | OSD LANGUAGE | ENGLISH | Select the appropriate on-screen language for the DVD |
|                |             | GERMAN  |                                                      |
|                |             | SPANISH |                                                      |
|                |             | FRENCH  |                                                      |

| AUDIO LANGUAGE | ENGLISH | Choose from audio languages contained on the DVD if you are watching a disc recorded in multiple languages. |
| FRENCH         |        | NOTE: Languages are DVD dependent and not all languages may be supported. |
| SPANISH        |        |                                              |
| PORTUGUESE    |        |                                              |
| GERMAN         |        |                                              |

| SUBTITLE LANG | ENGLISH | Choose the language you would like subtitles to appear in (if available). |
|              | FRENCH  |                                              |
|              | SPANISH |                                              |
|              | PORTUGUESE | NOTE: Subtitles are DVD dependent and not all languages may be supported. |
|              | GERMAN  |                                              |

| MENU LANG | ENGLISH | Select the default language in which you would like the DVD menu (if applicable) to be displayed. |
| FRENCH    |        |                                              |
| SPANISH   |        |                                              |
| PORTUGUESE|        |                                              |
| GERMAN    |        |                                              |

| VIDEO SETUP | BRIGHTNESS | 12 - 0 | Use the ▲/▼ cursor buttons to set the video output options. |
|            | CONTRAST   | 12 - 0 | |
|            | HUE        | +6 to -6 | |
|            | SATURATION | 12 - 0 | |
|            | SHARPNESS  | 8 - 0  | |

| EXIT SETUP |            |        | |
|            |            |        | |
TUNER OPERATION

Tuner TFT Display

Seek Tuning
To seek the next higher station:
- Touch the button on screen.
- Press the button (18) on remote control.

To seek the next lower station:
- Touch the button on screen.
- Press the button (17) on the remote control.

Manual Tuning
To increase or decrease the tuning frequency one step:
- Press the or buttons on screen.
- Press and hold the [or ] button on the screen or remote control (17, 18).

Using Preset Stations
Six numbered preset buttons store and recall stations for each band. All six stored stations (P1-P6) for the current band appear on the screen.

Storing a Station
1. Select a band (if needed), then select a station.
2. Press and hold the preset station position 1-6 on the screen (4) or press and hold the number 1-6 button (27) on the remote control.

Recalling a Station
1. Select a band (if needed).
2. Touch an on-screen preset button (4) to select the corresponding stored station.

Auto Store (AS)
To select six strong stations and store them in the current band:
1. Select a band (if needed).
2. Touch AS button on the screen (10) for to activate the Auto Store function.

The new stations replace stations already stored in that band.

Preset Scan (PS)
Touch the PS button (11) on screen to scan all stored preset stations, stopping for 5 seconds at each and continuing until a station is selected. Touch again to stop preview scan.

Switching to Radio Tuner Source
- Touch the top left corner of the screen (SRC), or press the MODE button (12) on the remote control, to view the SOURCE menu. Touch “BAND”.
- Press the SRC button (2) on the front panel or remote control (8) to switch to the AM/FM or RADIO source.

Selecting FM/AM Band
Touch the BAND button (22) on the screen or remote control (18) to change between the following bands: FM1, FM2, FM3, AM1, and AM2.

1. Current radio band indicator
2. Radio frequency indicator
3. Clock
4. Preset radio stations: Touch to recall preset stations
5. Current Equalizer Mode
6. [<>]: Touch to seek backward
7. [>>]: Touch to seek forward
8. Touch to tune forward one step
9. Touch to tune backward one step
10. AS: Touch to automatically store stations
11. PS (Preset Scan): Touch to scan all stored preset stations, stopping for 5 seconds at each and continuing until a station is selected
12. BAND: Touch to change between AM/FM bands
13. Touch to adjust Equalizer/Audio and Display settings
14. Touch to view the SOURCE menu and select a new playback source
15. Current preset station indicator

1 87.50
2 101.10
3 98.90
4 106.70
5 107.90
6 104.10

3. The new preset station (4) appears highlighted and the preset station indicator (15) displays the new current preset position.
**DVD/VCD VIDEO OPERATION**

**NOTE:** When properly installed, DVD video cannot be displayed on the main TFT screen unless the parking brake is applied. If you attempt to play a DVD while the vehicle is moving, the TFT screen displays "DO NOT WATCH VIDEO WHILE DRIVING" with a black background. Rear video screens, if applicable, will operate normally.

### Inserting a Disc
To insert a disc, you must first press the ▲/EJECT button (5) on the control panel or remote control (23) to reveal the disc slot (11). Insert a disc, label side up, into the disc slot. The front panel will close automatically and disc play begins.

**NOTE:** If Parental Lock (Rating) is activated and the disc inserted is not authorized, the 4-digit code must be entered and/or the disc must be authorized (see "System Setup Menu" on page 11).

You cannot insert a disc if there is already a disc in the unit or if the power is off.

**NOTE:** The unit is designed for play of standard 12 cm discs only. Do not attempt to use 3" (8 cm) CD singles in this unit, either with or without an adaptor, as damage to the player and/or the disc may occur. Such damage will not be covered by the warranty on this product.

**NOTE:** DVD-R and DVD-RW will not play unless the recording session is finalized and the DVD is closed.

**NOTE:** If you do not insert a disc or SD card, you must press the EJECT button to close the control panel.

### Ejecting a Disc
To eject a disc, you must first press the ▲/EJECT button (5) on the control panel or remote control (23) to reveal the disc slot (11). Press the ▲/EJECT button (13) behind the TFT panel to eject the disc. The unit automatically reverts to Tuner mode.

### Accessing DVD Mode
To switch to DVD mode when a disc is already inserted, press the SRC button (2) on the front panel or remote control (8) until "READ" appears near the top of the screen. You can also change the source by touching the top left corner to display the "SOURCE" menu. Select "DISC" to access DVD mode.

### Controlling Disc Playback
During DVD/VCD playback, press the center of the screen to display the on-screen playback controls.

**NOTE:** INT and L/R are only available for VCDs.

### Stopping Playback
Touch the ■ button on screen or on the remote control (14) to stop disc play. To resume playback, touch the ▶/‖ button on screen or on the remote control (19).

### Pausing Playback
Touch the ▶/‖ button on screen or on the remote control (19) to suspend or resume disc play.

### Moving Through Tracks
Press the ▶/‖ button on the remote control (18) or on screen to advance to the next chapter on the disc. Press the ▼▼ button on the remote control (17) or on screen to move to the previous chapter.

### Fast Forward/Reverse
Press and hold the ▶/‖ or ▼▼ buttons on the remote control or on screen to fast forward or fast reverse. Press and hold once for X 2. Press and hold additional times for X 4, X 8, X 20 or PLAY. Press the play/pause ▶/‖ button to end fast forward or reverse and resume normal playback.

### Repeat Chapter/Title (REPT)
Press the REPT button (7) on the remote control multiple times during playback to select from the following repeat play options:
- VCD: REP ONE (track), REP ALL (disc), REP OFF
- DVD: REP Chapter, REP Title, REP OFF

### Repeat Section (REPT A-B)
To repeat a specified section of a track (chapter), perform the following steps:
- Press the A→B button on the remote control (6) to select the starting point. The display will show "REPEAT A-"
- Press A→B when you reach the desired ending point. The display shows "REPEAT A-B" and the selected section will play repeatedly.

To cancel section repeat, press the A→B button again. "A-B CANCEL" appears on the display.

### DVD Playback Features
The following remote control features are available during DVD playback:
- **AUDIO:** Press to choose an alternate audio language, if available.
- **SUBTITLE:** Press to select an alternate subtitle language, if available.
Programmed Playback
1. Press the PROG button (34) on the remote control to access the programmed playback screen.

2. Use the ▲, ▼, ◀ or ► cursor buttons to access the fields on the “PROG” screen.

3. Use the number buttons on the remote control to enter a track number in each field.
4. Press the ▶ button (19) on the remote control or highlight “PLAY” on screen and then press OK to begin playback in the numbered order indicated.

To delete the list, highlight "CLEAR" and then press OK. Press PROG to exit the programmed playback screen.

Remote Control Direct Track Entry
To select a track directly, use the number pad on the remote control. For single digit entries, press the corresponding number. For two digit entries, press the 10+ button followed by the last digit (i.e., for track 16, press 10+ and then 6).

GOTO Direct Track/Chapter Access
Use the GOTO function to access a track (chapter) directly.
1. Press the GOTO button (20) on the remote control. The On Screen Display information will appear with the track number highlighted.
2. Use the number keys on the remote control to enter the 3-digit track number directly (i.e. for track 10, enter “010”).
3. Press the OK button to confirm and begin playback.

Playback Information
During DVD and VCD playback, press the OSD button (10) on the remote control to display playback information on the screen, including the media playing and current playback time. Continue pressing the OSD button to display additional information, as indicated below.

DVD Playback Information
The following information is displayed at the top of the screen during DVD playback:

- TT 5/8 – “5/8” indicates the fifth of 8 titles on the DVD is currently playing.
- CH 2/16 – “2/16” indicates that the second of 16 titles on the DVD is currently playing.
- 1/5 ENG – English is the selected subtitle language out of 4 possible choices.
- OFF – There are no alternate angles recorded for this scene.

VCD Playback Information
The following information is displayed at the top of the screen during VCD playback:

- TRK ### – “1/18” indicates the first of 18 tracks on the VCD is currently playing.
- X – “X” indicates repeat play is OFF, “D” indicates repeat track, “D” indicates repeat directory, and “A” indicates repeat disc.
- Press OSD repeatedly to view the following information: for elapsed/remaining playing time:
  - 00:02:18 – total elapsed playing time for disc
  - C –00:34:37 – remaining playing time
  - T 00:02:18 – total elapsed playing time for current track
  - C –00:34:37 – remaining playing time for current track

General Disc Information

<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)</td>
<td>242 minutes</td>
</tr>
<tr>
<td></td>
<td>Double side single layer (DVD-10)</td>
<td>266 minutes</td>
</tr>
<tr>
<td></td>
<td>Double side double layer (DVD-18)</td>
<td>484 minutes</td>
</tr>
<tr>
<td>VCD</td>
<td>Single side single layer</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>

Note: Feature availability is dependent upon DVD embedded information.
<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Number of voice languages recorded. The number inside the icon indicates the number languages on the disc (maximum of 8).</td>
</tr>
<tr>
<td>32</td>
<td>Number of subtitle languages available on the disc (maximum of 32).</td>
</tr>
<tr>
<td>9</td>
<td>Number of angles provided (maximum of 9).</td>
</tr>
<tr>
<td>16:9 LB</td>
<td>Aspect ratios available. &quot;LB&quot; stands for Letter Box and &quot;PS&quot; stands for Pan/Scan. In the example on the left, the 16:9 video can be converted to Letter Box video.</td>
</tr>
</tbody>
</table>

Indicates the region code where the disc can be played:
- Region 1: USA, Canada, East Pacific Ocean Islands
- Region 2: Japan, Western Europe, Northern Europe, Egypt, South Africa, Middle East
- Region 3: Taiwan, Hong Kong, South Korea, Thailand, Indonesia, South-East Asia
- Region 4: Australia, New Zealand, Middle and South America, South Pacific Ocean Islands/Oceania
- Region 5: Russia, Mongolia, India, Middle Asia, Eastern Europe, North Korea, North Africa, North-West Asia
- Region 6: Mainland China
- ALL: All regions
DVD/CD AUDIO OPERATION

Instructions for TFT control and Insert/Eject are the same for DVD and CD operation. Please see the DVD/Disc Video Operation section for information about these topics.

The UV8020 will play music or other audio files from the following disc media:

- CD-DA
- CD-R/RW
- DVD
- DVD+R/RW
- DVD-R/RW
- SD Card (see “MP3/WMA Operation” on page 18)

Upon inserting a disc, the TFT screen will close automatically and the track number and elapsed playing time will appear at the top of the screen (see “CD Playback Information” on page 17).

CD Player User Interface

The on-screen indicators and touch key areas for CD playback are outlined below.

- SRC: Touch to view the SOURCE menu and select a new playback source.
- INT: Touch to play the first 15 seconds of each track. When a desired track is reached, press the INT button again to cancel the function and play the selected track.
- ■: No function.
- ▲: Press to stop playback.
- △: Touch to move to the previous track.
- □: Touch to move to the next track.
- SEL: Touch to adjust Equalizer/Audio and Display settings.
- RPT: Touch to activate/deactivate Repeat play mode.
- RDM: Touch to activate/deactivate Random play mode.
- ▶/‖: Touch to suspend playback. Touch again to resume playback.

Controlling Playback

Stopping Playback

Touch the ■ button on screen or on the remote control (14) to stop disc play.

To resume playback, touch the ▶/‖ button on screen or on the remote control (19).

Pausing Playback

Touch the ▶/‖ button on screen or on the remote control (19) to suspend or resume disc play.

Moving Through Tracks

Press the ▶/‖ button on the remote control (18) or on screen to advance to the next track on the disc.

Press the ▲ button on the remote control (17) or on screen to move to the previous track.

Repeat Chapter/Title (REPT)

Touch the RPT button on screen or press the REPT button (7) on the remote control multiple times during playback to select from the following repeat play options: REP ONE (track), REP ALL (disc), REP OFF.

Repeat Section (REPT A-B)

To repeat a specified section of a track (chapter), perform the following steps:

- Press the A>B button on the remote control to select the starting point. The display will show “REPEAT A-B”.
- Press A>B when you reach the desired ending point. The display shows “REPEAT A-B” and the selected section will play repeatedly.

To cancel section repeat, press the A>B button again. “A-B CANCEL” appears on the display.

NOTE: CD-R and CD-RW will not play unless the recording session is finalized.

Fast Forward/Reverse

Press and hold the ▶/‖ or ▲ button on the remote control (18, 17) or on screen to fast forward or fast reverse. Press and hold additional times for X 4, X 8, X 20 or PLAY. Press the play/pause ▶/‖ button to end fast forward or reverse and resume normal playback.

Programmed Playback

1. Press the PROG button (34) on the remote control to access the programmed playback screen.

2. Use the ▲, ▼, ◄ or ► cursor buttons to access the fields on the “PROG” screen.

3. Use the number buttons on the remote control to enter a track number in each field.

4. Press the ▶/‖ button (19) on the remote control or highlight “PLAY” on screen and then press OK to begin playback in the numbered order indicated.

To delete the list, highlight “CLEAR” and then press OK. Press PROG to exit the programmed playback screen.

Remote Control Direct Track Entry

To select a track directly, use the number pad on the remote control (27). For single digit entries, press the corresponding number. For two digit entries, press the 10+ button followed by the last digit (i.e., for track 16, press 10+ and then 6).

GOTO Direct Track/Chapter Access

Use the GOTO function to access a track (chapter) directly.

1. Press the GOTO button (20) on the remote control. The On Screen Display information will appear with the track number highlighted.

2. Use the number keys on the remote control to enter the 3-digit track number directly (i.e. for track 10, enter “010”.

3. Press the OK button (26) to confirm and begin playback.
CD Playback Information
The following information is displayed at the top of the screen during CD playback:

| CD | TRK | 1/18 |  | 00:03:26 |

- TRK ### – "1/18" indicates the first of 18 tracks on the CD is currently playing.
- "X" indicates repeat play is OFF, "1" indicates repeat track, and "A" indicates repeat disc.
- Press OSD repeatedly to view the following information:
  - 00:02:18 – total elapsed playing time for disc
  - 00:34:37 – remaining playing time
  - 00:02:18 – total elapsed playing time for current track
  - 00:34:37 – remaining playing time for current track
MP3/WMA OPERATION

Instructions for TFT control and Insert/Eject are the same for DVD and MP3 operation. Please see the DVD/Disc Video Operation section for information about these topics.

Media and File Requirements

This player allows you to play back MP3 and WMA files recorded onto CD-R/RWs, DVD+R/RWs, DVD-R/RWs and SD cards. For CD-RW discs, please make sure it is formatted using the full method and not the quick method to prevent illegal disc operation.

Up to 1500 songs/files can be burned onto a disc/card for a MEGA DVD music mix. Do not exceed this number of songs/files or readability problems may occur.

MP3 Format Compatibility

The file naming formats listed below are compatible with this unit:
- ISO 9660 – file name: 12 characters, file extension: 3 characters
- ISO 9660 – file name: 31 characters, file extension: 3 characters
- Joliet – 64 characters

If the file or folder name does not conform to ISO 9660 file system standards, it may not be displayed or played back correctly. Use the following settings when compressing audio data for your MP3 disc:
- Transfer Bit Rate: 128kbps
- Sampling Frequency: 48kHz

When recording MP3 up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to maximum disc capacity, use the “Disc at once” setting.

MP3 Playing Order

When selected for play, files and folders (Folder Search, File Search or Folder Select) are accessed in the order they were written by the CD writer. As a result, the order in which they are expected to be played may not match the order in which they are actually played. You may be able to set the order in which MP3/WMA files are to be played by writing them onto a medium such as a CD-R with their file names beginning with play sequence numbers such as “01” to “99”.

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

The UV8020 player will only recognize three folder levels and does not display folders containing only other folders. In the example above, the unit will display folders 3, 4, 6, and 8, but not 2 and 7 since they do not contain any tracks directly. Folder 5 is not recognized at all since it is at the fourth level.

Loading an SD Card

To Insert an SD card, you must first press the ▲/EJECT button on the control panel (5) or remote control (23) to reveal the SD card slot (14). Insert the SD card into the card slot and the unit will read the audio media files on the card automatically.

To remove the card, first press the SRC button (6) to switch to another mode and stop SD playback. Push in and release to pop the card out. Grasp the SD card and pull it straight out. Most cards have a thin recess that helps with removal.
MP3 Player User Interface

The on-screen indicators and touch key areas for MP3 playback are outlined below.

Controlling Playback

**Playing MP3/WMA Files**

After inserting a MP3/WMA disc or SD card, files will play in the sequence of the “Root” directory.

**NOTE:** When burning MP3 / WMA files onto a DVD disc, use the 2X or 4X burning option, if available. This slower burning speed will help eliminate buffer errors and increase disc reading reliability. Also, use folders when burning large numbers of songs/files to a disc for easy music navigation. Select the “Disc at Once” option and close your disc.

**Stopping Playback**

Touch the ■ button on screen or on the remote control (14) to stop playback.

To resume playback, touch the ▶∥∥ button on screen or on the remote control (19).

**Pausing Playback**

Touch the ▶∥∥ button on screen or on the remote control (19) to suspend or resume playback.

**Moving Through Tracks**

Press the ▶∥∥ button on the remote control (18) or on screen to advance to the next file on the disc.

Press the ■< button on the remote control (17) or on screen to move to the previous file.

**Repeat Playback**

Press the REPT button (7) on the remote control to alter repeat mode according to the following: REP ONE (Single), REP DIR (Directory), REP OFF.

**NOTE:** CD-R and CD-RW will not play unless the recording session is finalized.

**Fast Forward/Reverse**

Press and hold the ▶∥∥ or ■< buttons on the remote control or on screen to fast forward or fast reverse. Press and hold once for X 2. Press and hold additional times for X 4, X 8, X 20 or PLAY. Press the play/pause ▶∥∥ button to end fast forward or reverse and resume normal playback.

Programmed Playback

1. Press the PROG button (34) on the remote control to access the programmed playback screen:

2. Use the ▲, ▼, ◄ or ► cursor buttons to access the fields on the “PROG” screen.

3. Use the number buttons on the remote control to enter a track number in each field.

4. Press the ▶∥∥ button (19) on the remote control or highlight “PLAY” on screen and then press OK to begin playback in the numbered order indicated.

To delete the list, highlight “CLEAR” and then press OK. Press PROG to exit the programmed playback screen.

Remote Control Direct Track Entry

To select a track directly, use the number pad on the remote control (27). For single digit entries, press the corresponding number. For two digit entries, press the 10+ button followed by the last digit (i.e., for track 16, press 10+ and then 6).

GOTO Direct Track/Chapter Access

Use the GOTO function to access a track (chapter) directly.

1. Press the GOTO button on the remote control. The On Screen Display information will appear with the track number highlighted.

2. Use the number keys on the remote control to enter the 4-digit track number directly (i.e., for track 10, enter “0010”). Continue pressing the 10+ for multiples of ten into the 1000’s.

3. Press the OK button to confirm and begin playback.
MP3 Playback Information
The following information is displayed at the top of the screen during CD playback:

- TRK ###/## - "9/150" indicates the ninth of 150 tracks on the disc is currently playing.
- DX - "X" indicates repeat play is OFF, "1" indicates repeat song, and "D" indicates repeat directory (folder).
- Press OSD repeatedly to view the following information:
  - ° 00:02:18 - total elapsed playing time for disc
  - C -00:34:37 - remaining playing time for disc
# Troubleshooting

## Table 7: Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GENERAL</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit will not power on</td>
<td>Radio Fuse blown</td>
<td>Install new fuse with correct rating</td>
</tr>
<tr>
<td></td>
<td>Car battery fuse blown</td>
<td>Install new fuse with correct rating</td>
</tr>
<tr>
<td></td>
<td>Illegal operation</td>
<td>Press the RESET button located in the bottom right corner of the front panel</td>
</tr>
<tr>
<td>Remote control does not function</td>
<td>Battery depleted</td>
<td>Replace battery with new one</td>
</tr>
<tr>
<td></td>
<td>Battery installed incorrectly</td>
<td>Remove battery and install correctly</td>
</tr>
<tr>
<td>No/low audio output</td>
<td>Improper audio output connection</td>
<td>Check wiring and correct</td>
</tr>
<tr>
<td></td>
<td>Volume set too low</td>
<td>Increase volume level</td>
</tr>
<tr>
<td></td>
<td>Speakers damaged</td>
<td>Replace speakers</td>
</tr>
<tr>
<td></td>
<td>Heavily biased volume balance</td>
<td>Adjust the channel balance to the center position</td>
</tr>
<tr>
<td></td>
<td>Speaker wiring is in contact with metal part of car</td>
<td>Insulate all speaker wiring connections</td>
</tr>
<tr>
<td>Poor sound quality or distortion</td>
<td>Pirated disc is in use</td>
<td>Use original copy</td>
</tr>
<tr>
<td></td>
<td>Speaker power rating not compatible with unit</td>
<td>Connect proper speakers</td>
</tr>
<tr>
<td></td>
<td>Speaker is shorted</td>
<td>Check speaker contact</td>
</tr>
<tr>
<td>Unit resets itself when engine is off</td>
<td>Incorrect connection between ACC and positive battery wire</td>
<td>Check wiring and correct</td>
</tr>
<tr>
<td><strong>TFT MONITOR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No image</td>
<td>Incorrect connection to parking brake wire</td>
<td>Check wiring and correct</td>
</tr>
<tr>
<td></td>
<td>Parking brake is not engaged</td>
<td>Stop vehicle in safe place and apply parking brake</td>
</tr>
<tr>
<td>Flashing image or interference appears on screen</td>
<td>DVD is not compatible with current “Video Format” settings</td>
<td>Change setup to accommodate disc</td>
</tr>
<tr>
<td></td>
<td>Improper video signal connections</td>
<td>Check wiring and correct</td>
</tr>
<tr>
<td>Prolonged image or improper height/width ratio display</td>
<td>Improper aspect ratio setup</td>
<td>Use correct aspect ratio setting</td>
</tr>
<tr>
<td><strong>TUNER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weak station searching</td>
<td>Auto antenna is not fully extended</td>
<td>Connect the auto antenna control cable properly</td>
</tr>
<tr>
<td></td>
<td>Auto antenna not properly connected</td>
<td>Connect the auto antenna control cable properly</td>
</tr>
<tr>
<td><strong>CD/DVD</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cannot insert disc</td>
<td>Disc already inside unit</td>
<td>Eject current disc and insert new one</td>
</tr>
<tr>
<td>Image blurred, distorted, or dark</td>
<td>Disc is illegally copied</td>
<td>Use original disc</td>
</tr>
</tbody>
</table>
Table 7: Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disc does not play back</td>
<td>Disc is warped or scratched</td>
<td>Use disc in good condition</td>
</tr>
<tr>
<td></td>
<td>Disc is dirty or wet</td>
<td>Clean disc with soft cloth</td>
</tr>
<tr>
<td></td>
<td>Laser pickup is dirty</td>
<td>Clean laser pickup with cleaning disc</td>
</tr>
<tr>
<td></td>
<td>Incompatible disc is used</td>
<td>Use compatible disc</td>
</tr>
<tr>
<td></td>
<td>Disc rating exceeds Parental Lock</td>
<td>Change Parental Lock settings to lower restriction</td>
</tr>
<tr>
<td></td>
<td>rating limit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Disc region code is not compatible</td>
<td>Use disc with proper region code</td>
</tr>
<tr>
<td></td>
<td>with unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Disc is inserted upside down</td>
<td>Insert disc with label side up</td>
</tr>
</tbody>
</table>

**MP3**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interruption occurred during playback</td>
<td>Disc is dirty or scratched</td>
<td>Clean disc or replace</td>
</tr>
<tr>
<td></td>
<td>File is damaged/bad recording</td>
<td>Recreate disc with good files</td>
</tr>
<tr>
<td>Incorrect playback message displayed</td>
<td>Message is longer than LCD can display</td>
<td></td>
</tr>
</tbody>
</table>

**Care and Maintenance**

1. Use only a clean silicone cloth and neutral detergent to clean the front panel or monitor. A rough cloth and non-neutral detergent (such as alcohol) may result in scratching or discoloration.
2. Do not get water or cleaning fluids on the unit.
3. If the temperature inside the player gets too hot, a protective circuit automatically stops play of the disc. If this occurs, allow the unit to cool before operating the player again.
4. Never insert anything other than a 5” (12 cm) compact disc into the player as the mechanism can be damaged by foreign objects.
5. Do not attempt to use a 3” (8 cm) CD-Single disc in this unit, either with or without an adaptor, as damage to the player and/or disc may occur. Such damage is not covered by the Warranty on this product.
6. The CD player may not operate properly in extreme hot or cold. If such conditions occur, allow the interior of the vehicle to reach a normal temperature before using player.
7. When the vehicle warms up during cold weather or under damp conditions, condensation may appear on the LCD panel. Should this occur, the screen will not operate properly until the moisture has evaporated.
8. We suggest you use a cleaning disc in this unit more frequently than in the unit in your home due to the environmental conditions of the vehicle.
SPECIFICATIONS

**DVD/CD Player**
Compatible Disc Media: DVD + R / RW (Single and Dual Layer) and CD-R / RW
Compatible Media Formats: CD-DA, MP3, WMA, VCD, SVCD, AVI, MPEG1/2, XviD, and Kodak picture CD (JPEG).
Signal to Noise Ratio: > 95dB
Dynamic Range: > 90dB
Frequency Response: 20Hz to 20 kHz, -3dB
Channel Separation: > 60dB @ 1 kHz
D/A Converter: Multi-Bit Sigma-Delta Modulator

**Video**
Format: NTSC, PAL (auto-detection)
Output: 1Vp-p (75-ohm)
Input: 1Vp-p (75-ohm)

**FM Tuner**
Tuning Range (USA): 87.5MHz - 107.9MHz
Tuning range (Europe): 87.50MHz-108.00MHz
Mono Sensitivity (-30dB): 9dBf
 Quieting Sensitivity (-50dB): 15dBf
Alternate Channel Selectivity: 70dB
Signal to Noise Ratio @ 1 kHz: 58dB
Image Rejection: 80dB
Stereo Separation @ 1 kHz: >30dB
Frequency Response: 30Hz - 15kHz, -3dB

**AM Tuner**
Tuning Range (USA): 530 kHz - 1720 kHz
Tuning range (Europe): 522kHz-1620kHz
Sensitivity (-20dB): 15uV
Signal to Noise Ratio @ 1 kHz: 50dB
Image Rejection: 60dB
Frequency Response: 50Hz - 2 kHz, -3dB

**Monitor**
Screen Size: 7.0" (Measured diagonally), 16:9 Widescreen, 6.06" (154.1mm) W X 3.42" (87mm) H
Screen Type: TFT Liquid Crystal Display (LCD) active matrix
Resolution: 333,960 sub pixels, 1440 (W) X 234 (H)

**General**
Auxiliary Input impedance: 10k
Power Supply: 11 to 16VDC, negative ground
Amplifier Remote (Blue/White): 500mA max, current limited protection
Operating Temperature: -20° - 65°
Fuse: 15-amp, ATO type
2.0 DIN chassis dimensions: 7" X 7" X 4" (178mm x 178mm x 100mm)

**CEA Power Ratings**

Power Output: 13 Watts RMS x 4 channels into 4-Ohms @ ≤ 1% THD+N
Signal to Noise Ratio: 70dBA below reference (Reference: 1 Watt, 4-Ohms)
Frequency Response: 20 Hz - 20 kHz, -3dB. (Aux Input used as reference input)
Reference Supply Voltage: 14.4VDC

*Specifications subject to change without notice.*
Limited Warranty
CD or Multimedia Radios/Headunits

Audiovox Electronics Corporation ("the Company") is committed to quality and customer service, and are pleased to offer you this Warranty. Please read it thoroughly and contact the Company at 1-800-323-4815 with any questions.

Who is covered?
The Company extends this warranty to the original retail purchaser of products purchased through an authorized Audiovox retailer in the U.S.A., Puerto Rico or Canada. This warranty is not transferable or assignable. Proof of purchase is required in the form of an original sales receipt.

What is covered?
The Company warrants that should this product or any part thereof, under normal use, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with a new or reconditioned product (at the Company's option) without charge for parts and repair labor.

What is not covered?
This Warranty does not cover the following:
- Damage incurred during shipping or transporting the product to the Company or a service center
- Elimination of car static or motor noise
- Defects in cosmetic, decorative or non-operative structural parts
- Correction of antenna problems
- Costs incurred for installation, removal or reinstallation of the product
- Consequential damage to compact discs, USB devices, digital media cards, accessories or vehicle electrical systems
- Damage caused by improper installation, mishandling, misuse, neglect, accident, blown fuse, battery leakage, theft or improper storage
- Products whose factory serial number/bar code label(s) or markings have been removed or defaced
- Damage resulting from moisture, humidity, excessive temperature, extreme environmental conditions or external natural causes

Limitations
THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREBUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Obtaining Warranty Service
- To obtain repair or replacement within the terms of this Warranty, call 1-800-323-4815 for the location of a warranty station serving your area.
- You must prepay the initial shipping charges to the Company. The Company will pay the return shipping charges for all warranted products returned to an address within the U.S.A., Puerto Rico or Canada.
- Please package the product securely to avoid shipping damage. We recommend using a carrier that provides tracking service to prevent lost packages. Lost or damaged packages are not covered by this warranty.
- Provide a detailed description of the problem(s) for which you require service.
IMPORTANT: Incorrect wiring connections can damage the unit. Follow the wiring instructions carefully, or have the installation handled by an experienced technician.
Three easy steps!


2. Click on the Victory Technology Installation Excellence Logo as shown above.

3. Enter your product serial number (example: xxxx_xxxxxxxx_xx).
DO NOT RETURN THIS PRODUCT TO THE RETAIL STORE!
FOR ASSISTANCE, PLEASE CALL: 1.800.323.4815 OR VISIT
OUR WEBSITE: WWW.AUDIOVOX.COM
NO DEVUELVAS ESTE PRODUCTO A LA TIENDA!
SI NECESITAS AYUDA, POR FAVOR LLAMEN: 1.800.323.4815
VISITEN EN EL INTERNET: WWW.AUDIOVOX.COM