

Directed[®]
V I D E O

OWNER'S GUIDE

INSTALLATION GUIDE



9" (16:9) Widescreen Overhead Video Monitor

MODEL OHD900

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NON-TRANSFERABLE LIMITED CONSUMER WARRANTY

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Directed Electronics, Inc. (Directed) promises to the original purchaser that the automotive video monitor and/or source unit(s) (the Product), excluding accessories, purchased and installed from a Directed authorized dealer within the ninety (90) days after purchase of the new vehicle, in which the Product is installed, is free from defects in materials or workmanship under normal use and conditions for a period of three (3) years from date of purchase or the first 36,000 miles as registered on the new vehicle's odometer reading at time of delivery of the Product for warranty service, whichever occurs first. Product purchased or installed more than ninety (90) days after the new vehicle is purchased are warranted for a period of one (1) year from date of purchase of the Product.

Directed promises to the original purchaser that all video accessories will be free from defects in materials and workmanship under normal use and conditions for a period of ninety (90) days after the date of purchase. A sales receipt and/or warranty registration card is required to provide proof of date of purchase of the Product or accessories.

Should the Product be determined defective during the applicable warranty period, the Product will be repaired or replaced with a new or comparable reconditioned part(s), at Directed's option. To obtain warranty service, the Product must be returned to a Directed authorized dealer along with proof of purchase and installation.

Note: This warranty does not cover labor costs for the removal and reinstallation of the Product. IN ORDER FOR THIS WARRANTY TO BE VALID, YOUR PRODUCT MUST BE SHIPPED WITH PROOF OF PURCHASE AND INSTALLATION BY AN AUTHORIZED DIRECTED DEALER. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF DIRECTED DEALER INSTALLATION WILL BE DENIED.

This warranty is non-transferable and does not apply to any Product that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the Product caused by installation or removal of the Product. This warranty is **VOID** if the product has been damaged by accident or unreasonable use, negligence, acts of God, neglect, improper service or other causes not arising out of defect in materials or construction. This warranty does not cover the elimination of externally generated static or noise, or the correction of antenna problems or weak television reception, damage to tapes, video games, software, camcorders, discs, speakers, accessories or vehicle electrical systems, cosmetic damage or damage due to negligence, misuse, abuse, failure to follow operating instructions, accidental spills or customer applied cleaners, damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, windstorms, lightning or extreme temperatures, damage due to accidents, road hazards, fire, theft, loss or vandalism, damage due to improper connection to equipment of another manufacturer, modification of existing equipment, use of a faulty tape cartridge or cleaning of the VCR head, or Product which has been opened or tampered with for any reason or which has been damaged due to alteration or service performed by anyone other than Directed Electronics, Inc.

ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW, AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. DIRECTED HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS LICENSED DEALERS OR INSTALLERS. IN NO EVENT WILL DIRECTED ELECTRONICS, INC. BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF PROFITS), BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND DIRECTED SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN SAN DIEGO COUNTY, CALIFORNIA.

Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitations or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

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Important Notes

1. Before operating your LCD Monitor system, please read these instructions carefully.
2. Retain this manual for future reference.
3. Do not remove any WARNING stickers on the unit.
4. Do not use any chemical solvent, cleaning agent or corrosive detergent to clean away dirt on the surface of the screen. Doing so may cause irreversible damage to the surface of the LCD screen. To clean off dirt or fingerprints, it is recommended that a soft-damp lens-cleaning cloth be used.
5. Using spare parts from another manufacturer may cause permanent damage to the unit.
6. Avoid installing the monitor screen in a position that is exposed to direct sunlight and hot air vents.
7. Install the unit in a dry location, avoid condensation.
8. Ensure that all wiring is properly connected before operating the unit.
9. Should the LCD panel break, avoid contact with the broken glass or fluid leaking out from the enclosure. If you come into contact, flush and clean the affected areas with plenty of water. Seek medical attention immediately.
10. When operating the monitor, avoid touching or pressing on the LCD screen. Excessive force will damage the LCD screen.
11. When installing this unit in a vehicle, ensure that the installation and use of this unit is in compliance with local vehicle rules and regulations.
12. Before replacing a blown fuse, turn the unit off and disconnect all power. Ensure the replacement fuse is of the same rating (5A) of the fuse being replaced.
13. If during operation the unit overheats or malfunctions, turn off the power and contact your dealer. Do NOT disassemble the unit, there are no user serviceable parts in the unit.
14. Ensure that no foreign objects are in the unit when the LCD screen is closed.
15. The battery (CR2025) in the remote control has a useful lifetime of approximately 6-months. To ensure proper and reliable operation, replace the battery in a timely manner.
16. When the unit is used in conjunction with a radio/TV tuner, reception quality will vary depending on the geographic location and weather conditions.
17. The rated operating temperature range of the unit is 32°–92° F. Cool or warm the vehicle to within this temperature range prior to unit operation.
18. The picture viewing quality of this LCD is dependent on the installed location. Adjust the brightness control and/or the angle of the screen to achieve the optimum visual quality.

What is Included

- 9" Overhead Monitor/DVD Player
- Hardware package
- Trim Ring Adapter
- 13-pin DIN source cable
- AV Switch Box (AD-6874)
- 3-pin, 3-wire cooling fan harness
- Remote Control Unit/w battery
- 4-pin, 3-wire power harness
- Metal mounting plate
- 5-pin 5-wire dome lights harness

Introduction

Congratulations on your purchase of the world's finest video entertainment system. At Directed we are committed to bringing you the most technologically advanced products available. We are pleased that you chose a Directed Video product. Through years of critical testing and hand craftsmanship, we have created a wide range of video entertainment products for your viewing pleasure.

This system incorporates the use of on screen display menu controls that allow you to configure the system to suit your own personal preferences.

To view other great products from Directed Electronics, please visit the Directed Video page at www.directed.com.

Important Information

FCC NOTICE

This device complies with Part 15 of FCC rules. 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 undesirable operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

YOUR WARRANTY

Your warranty registration must be completely filled out and returned within 10 days of purchase. Your product warranty will not be validated if your warranty registration is not returned. Make sure you receive the warranty registration from your dealer. It is also necessary to keep your proof of purchase, which reflects that the product was installed by an authorized dealer.

Installation

PRELIMINARY PREPARATIONS

NOTE: *The unit should be installed by a qualified service technician. This unit is designed to operate with a 12 VDC, negative ground battery system.*

NOTE: *Use only proper sized fasteners and cables during installation. Use of improper fasteners or cables can lead to mechanical failure of the unit or create a fire hazard.*

1. Disconnect the ground wire from the battery terminal prior to connecting the unit to the electrical system.

NOTE: *Some vehicle radios have an anti-theft code system that will disable the radio if the battery is disconnected. If this vehicle has such a radio, ensure you have the access code to restore the radio to normal operation.*

2. Pick a location to install the monitor where it will not obstruct the rear view mirror or the air conditioning vents.
3. Do not install this unit at an angle exceeding 30 degrees.

ELECTRICAL CONNECTIONS

Main Power Harness

Color	Description
Black	Chassis ground
Yellow	+12V Battery
Red	+12V ACC

Cooling Fan Harness

Note: This harness is provided on some of the units (the cooling fan is not installed on some units).

Color	Description
Black	Chassis ground
Yellow	+12V ACC
Red	+12V ACC Battery

Courtesy Light Harness

Color	Description
Black	Chassis ground
Red	+12V ACC
Gray	Door (negative trigger)
Purple	Door (positive trigger)
Yellow	+12V Battery

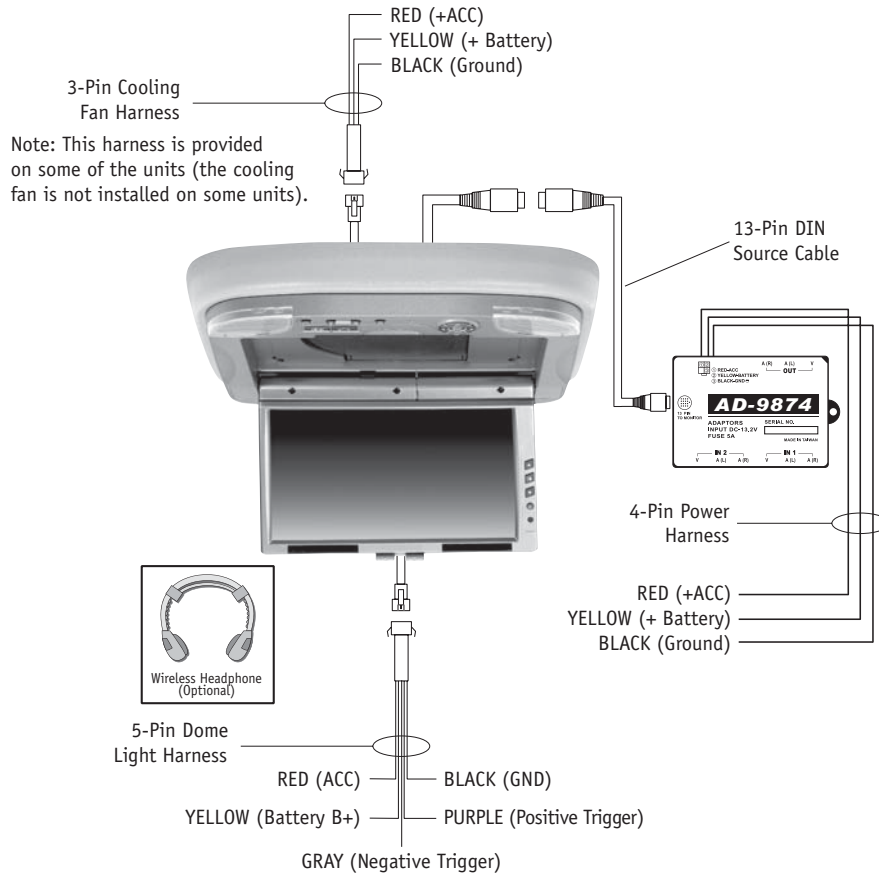
Audio Connections

Color	Description
Red IN 1 (RCA)	Audio - #1 Right Input
White IN 1 (RCA)	Audio - #1 Left Input
Red IN 2 (RCA)	Audio - #2 Right Input
White IN 2 (RCA)	Audio - #2 Left Input
Red OUT (RCA)	Audio - Right Output
White OUT (RCA)	Audio - Left Output

Video Connections

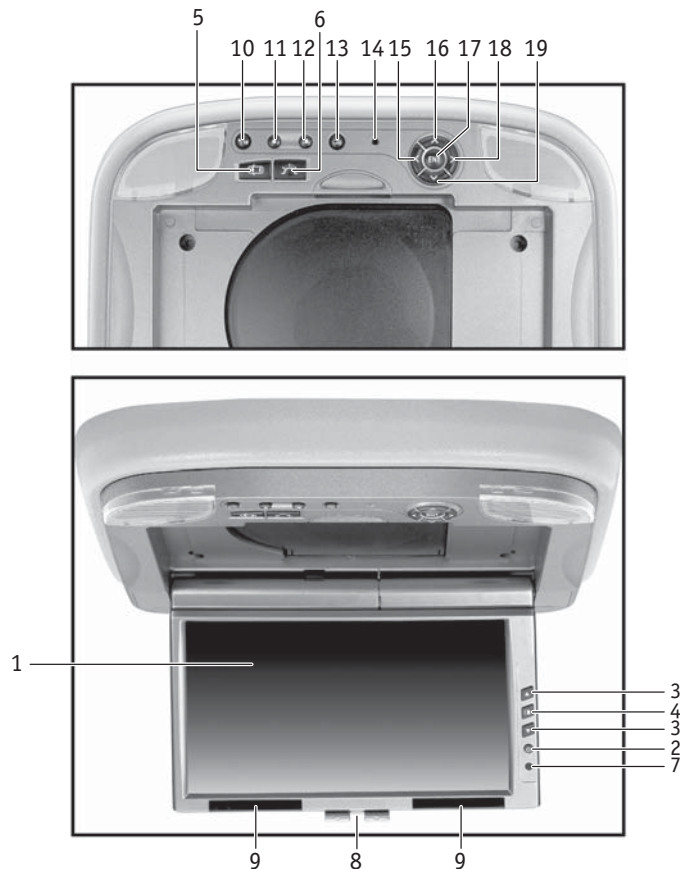
Color	Description
Yellow 1 (RCA)	Video - #1 Input
Yellow 2 (RCA)	Video - #2 Input
Yellow OUT (RCA)	Video - Output

TYPICAL WIRING DIAGRAM






NOTE: The unit will automatically power off once the ACC is turned off (ignition key off). Ensure that the RED (+ACC) wire of the 4-pin power harness is connected to ACC power.



OHV Monitor Controls and Description





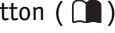





DISPLAY KEYS

1. LCD display
2. VIDEO Select Button ()
3. UP/DOWN buttons ()
4. VIDEO MENU button ()

UNIT KEYS

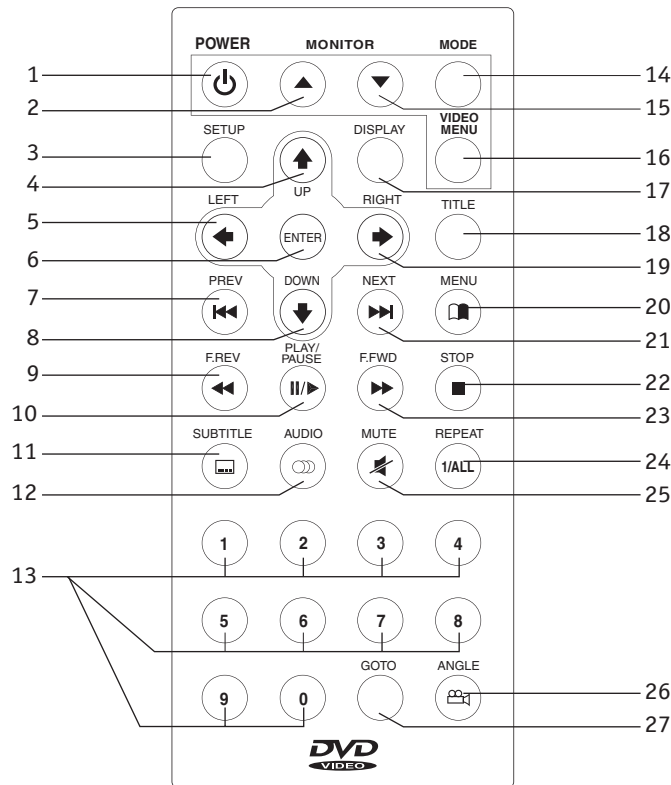
5. Door light On/Off button ()
6. Courtesy Light ()
7. Remote IR sensor
8. IR transmitter (headphones)
9. Open button

DVD KEYS

10. PLAY/PAUSE button ()
11. STOP button ()
12. DVD MENU button ()
13. AUDIO button ()
14. LED Green (power status)
15. LEFT button ()
16. UP button ()
17. ENTER button (**ENT**)
18. RIGHT button ()
19. DOWN button ()

Remote Control

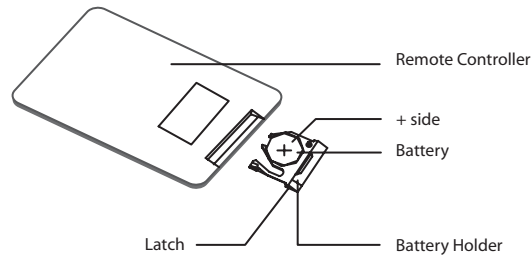
NOTE: Ensure that the battery plastic protector has been removed from the remote control battery holder prior to use.



- | | |
|---------------------------|--------------------------|
| 1. POWER | 14. MODE (AV1/AV2/DVD) |
| 2. UP (display) | 15. DOWN (display) |
| 3. DVD SETUP | 16. VIDEO MENU |
| 4. UP cursor | 17. DISPLAY (on screen) |
| 5. LEFT cursor | 18. TITLE |
| 6. ENTER | 19. RIGHT cursor |
| 7. PREV (previous) | 20. MENU |
| 8. DOWN cursor | 21. NEXT |
| 9. F. REV (fast reverse) | 22. STOP |
| 10. PLAY/PAUSE | 23. F.FWD (fast forward) |
| 11. SUBTITLE | 24. REPEAT (1/ALL) |
| 12. AUDIO | 25. MUTE |
| 13. 1-0 (numeric buttons) | 26. ANGLE |
| | 27. GO TO |

BATTERY REPLACEMENT

NOTE: Before using remote after installation, remove the battery plastic protective slip.



1. Move the small latch to the right and slide out the battery holder.
2. Remove old battery and replace it with a new battery (CR2025) with the positive "+" sign facing as shown above.
3. Push battery holder back into its compartment until it is locked.

PRECAUTIONS

1. Properly dispose of used battery.
2. Do not misuse battery by shorting the positive "+" and negative "-" terminal or put it into fire. Overheating may cause the battery to explode and cause a fire hazard.
3. If the remote is not to be used for a long period, remove the battery from the remote to prevent damage from battery leakage.
4. To avoid accidents, prevent children from playing with the battery.

Operation

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OPEN—LCD SCREEN

To open the LCD screen press the OPEN/CLOSE button and carefully rotate the LCD screen down to its operating position.


CLOSE—LCD SCREEN

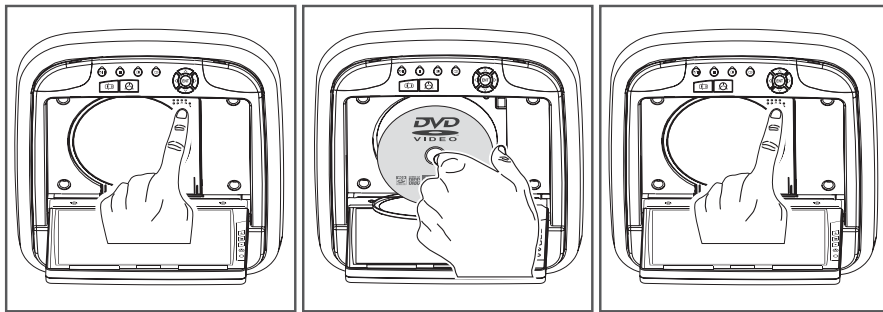
To close the LCD screen rotate the LCD screen up to its stored position until you hear the OPEN/CLOSE button click.

LOADING AND UNLOADING DISCS


You can use single side and dual layer DVDs, VCDs, CD-audio and CD-R compatible 12cm discs with this system.

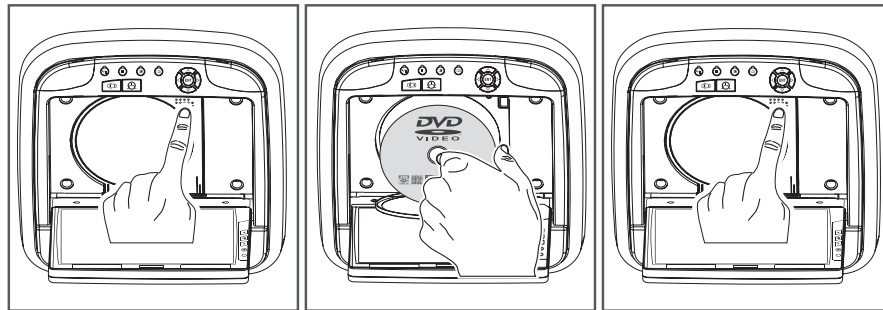
LOADING DISC

1. Press  at the upper right corner to open the door.
2. Load with the recorded side (the shiny side) facing up. With double-sided discs, load with the side you want to watch facing up. Ensure that the disc is seated properly before pushing the tray back into its locking position.
3. Push to close the door.




UNLOADING DISC



1. Press  at the upper right corner to open the door.
2. Remove the disc. (Avoid touching the recorded surface.)
3. Push to close the door, until you hear a click sound from the door mechanism.




SIGNAL SOURCE SELECTION

Select the input signal for viewing (AV1, AV2, or DVD) by momentarily pressing the MODE button () on the LCD screen or the MODE button on the remote.




ON/OFF CONTROL

Press and hold the () button on the LCD screen or momentarily press the POWER button () on the remote.

FUNCTION MODE (MENU)

Press the MENU button () on the LCD screen or the VIDEO MENU button on the remote to display the following setup options:

- COLOR
- BRIGHTNESS
- DIMMER (on/off)
- FORMAT (full, normal, and zoom)
- RESET (restore factory default settings)

Use the MENU button () on the LCD screen or use the VIDEO MENU button on the remote to scroll through the menu options. Once the desired setting is selected use the UP/DOWN () buttons on the LCD screen or the MONITOR () buttons on the remote to change the setting. After 5-seconds of inactivity the MENU screen will turn off.

DOOR LIGHT ON/OFF

Press this switch on the LCD screen to have the door open sensor operate the dome lights.

NOTE: This feature is operational only if the Gray or Purple door lock trigger wires have been connected to the door sensor.

The dome light selector switch contains two separate circuits. One for a positive dome light trigger and one for a negative dome light trigger. Please refer to the wiring table below for each of these triggers.

NEGATIVE DOME LIGHT TRIGGER

WIRE COLOR	CONNECTION
Gray	Battery ground
Blue	Battery +12VDC
Orange	Battery +12VDC
Purple	Negative door trigger









POSITIVE DOME LIGHT TRIGGER

WIRE COLOR	CONNECTION
Gray	Battery +12VDC
Blue	Battery ground
Orange	Battery ground
Purple	Positive door trigger






COURTESY LIGHT ON/OFF

Press the Courtesy light switch (☾☽) on the LCD screen to illuminate the dome light.






DVD PLAYBACK

1. Press the on/off power button  on the front control panel, or press the  button on the remote control to switch on the unit
2. Momentarily press the on/off power button  on the front control panel, or press the  button on the remote control repeatedly until DVD mode is displayed.
3. Insert the disc into the DVD player as described earlier.
4. The disc will automatically start playing.
 - If the DVD does not come with a Menu/Title, the play will continue.
 - If the DVD comes with Menu/Title, Menu Options will be shown on the screen.
 - Press the **Left/Right/Up/Down** () buttons above the LCD screen, to select the chapter or topic for playing, then press the **ENT** button to begin play.



OR

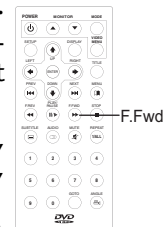
 - Press the **Left/Right/Up/Down** () buttons on the remote control, to select the chapter for playing, press the **Enter** () button on the remote to begin play.
 - If the message "NO DISC" is displayed on the screen, check the format of the disc being used and ensure that the disc is being loaded with the label facing you (see illustration above).
 - If the message "WRONG REGION" is display on the screen, it means the player does not support the regional code for that DVD.

AUDIO CD PLAYBACK



1. Press the on/off power button  on the front control panel, or press the  button on the remote control to switch on the unit
2. Momentarily press the on/off power button  on the front control panel, or press the  button on the remote control repeatedly until DVD mode is displayed.
3. Insert the disc into the unit as described earlier.
4. Press the PLAY/PAUSE button () on either the panel above the LCD screen or on the remote to start playing.

FAST-FORWARD (DVD/MP3/CD)

1. During play, press the **F.FWD** button  on the remote control.
2. For DVDs and MP3s, the LCD screen will display FF XX (Fast-Forward Speed), and will increment up to a maximum of 8X fast forward (2X, 4X, 6X, 8X) and then to normal play speed.
3. For CDs, the LCD screen will display FF XX (Fast-Forward Speed), and will increment up to a maximum of 4X fast forward (1X, 2X, 3X, 4X) and then to normal play speed.
4. For DVDs, MP3s and CDs press play/pause () from any fast forward speed to resume normal play speed.




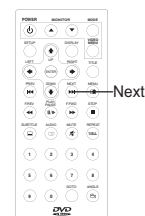
FAST-REVERSE (DVD/MP3/CD)

1. During play, press the **F. REV** button  on the remote control.
2. For DVDs and MP3s, the LCD screen will display FR XX (Fast-Forward Speed), and will increment up to a maximum of 8X fast backward (2X, 4X, 6X, 8X) and then to normal play speed.
3. For CDs, the LCD screen will display FR XX (Fast-Forward Speed), and will increment up to a maximum of 4X fast backward (1X, 2X, 3X, 4X) and then to normal play speed.
4. For DVDs, MP3s and CDs press play/pause () from any fast backward speed to resume normal play speed.



DVD/MP3/CD NEXT TRACK

1. During play, press the next **NEXT** track  button on the remote control.
2. DVDs will jump to the the next track or chapter. The Title and Chapter being played will display at the top of the LCD screen.
3. MP3s will jump to the the next track.
4. CDs will jump to the next track. The present track playing and the total number of tracks on the CD is displayed at the top of the LCD screen.



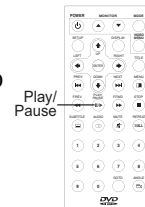
DVD/MP3/CD PREVIOUS TRACK

1. During play, press the previous **PREV** ◀◀ button on the remote control.
2. DVDs will jump to the the previous track or chapter. The Title and Chapter being played will display at the top of the LCD screen.
3. MP3s will jump to the the previous track.
4. CDs will jump to the previous track. The present track playing and the total number of tracks on the CD is displayed at the top of the LCD screen.



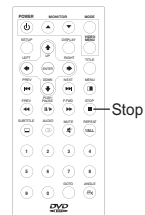
DVD/MP3/CD PLAY/PAUSE

1. During play, press the **PLAY/PAUSE** || /▶ button on the remote control to temporarily stop playback.
2. Press the **PLAY/PAUSE** || /▶ button on the remote control to resume playback.



DVD/MP3/CD STOP

1. Press Stop ■ button on the remote control to stop playback when playing an Audio CD.
2. Press Stop ■ button on the remote control when playing a DVD will stop the DVD at the current location, a PRESS PLAY TO CONTINUE message will display on the LCD screen. Press PLAY/PAUSE ▶/|| button to resume playback.
3. Press the Stop ■ button twice will stop the playback. The next time the PLAY/PAUSE ▶/|| button is pressed the DVD will start at the beginning.



Note: Storage of the current location when stopped is not supported for MP3s or CDs.

DVD/CD GOTO (SEARCH)

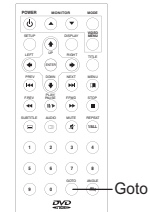
Note: GOTO is not supported for MP3s.

1. Allows going to a particular Time/Track/Chapter or Title.
2. Press the **GOTO** button on the remote control to go to a selected part of the DVD/CD.

(1) TITLE xx/xx CHAPTER xxx/xxx

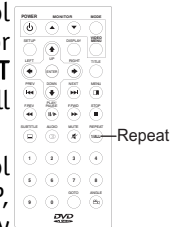
(2) TITLE xx/xx xx : xx : xx

3. Use the number keypad on the remote to enter the track, chapter, or time information.
4. Press the **ENTER** button on the remote to go to the location selected.




REPEAT FUNCTION

1. For CDs, press the **REPEAT 1/ALL** button on the remote control to have the current segment repeat. REP ONE, REP ALL, or REPEAT OFF are selectable by multiple presses of the **REPEAT 1/ALL** button. Pressing the **STOP** button while playing will cancel the REPEAT selection.
2. For MP3s, press the **REPEAT 1/ALL** button on the remote control to have the repeat the current segment. REP ONE, FOLDER REP, DISC, DISC REP, DISC SCAN, SINGLE, or FOLDER are selectable by multiple presses of the **REPEAT 1/ALL** button.
3. For DVDs, press the **REPEAT 1/ALL** button on the remote control. CHAPTER REPEAT ON, TITLE REPEAT ON, or REPEAT OFF are selectable by multiple presses of the **REPEAT 1/ALL** button. Pressing the **SEARCH** button on the remote control and then the Play/Pause button repeats the selected part of the DVD or when the selected part is finished it then repeats.

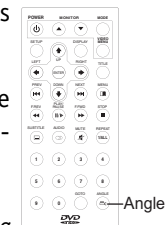


DVD ANGLE

Some DVDs support different viewing angles for the same scene. Press the **ANGLE** button on the remote control to select a viewing angle.


The  X/Y will display, where X represents the current camera angle being displayed, and Y represents the total available number of camera angles.

NOTE: This function only works with DVDs that have different viewing angles recorded.



AUDIO DVD

NOTE: This feature only functions with DVDs that have multiple sound tracks.

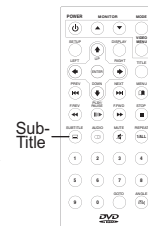
1. During playing, press the **AUDIO** button  on the remote. AUDIO X/X will display on the LCD screen. The first X represents is the current sound track playing. The second X is the total number of sound tracks available.
2. Continue to press the **AUDIO** button to advance to the other sound tracks.



DVD SUBTITLE






NOTE: This function can only be used on DVDs that come with multi-language support.

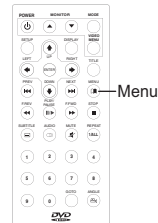
1. During playing, press the **SUBTITLE** button on the remote. SUB-TITLE XX/XX will display on the LCD screen. The first XX represents is the current subtitle playing. The second XX is the total number of subtitles available (along with the current subtitle language to be displayed).
2. Continue to press the **SUBTITLE** button to advance to the other subtitle languages.
3. When the **SUBTITLE** button is pressed beyond the maximum number of subtitles, SUBTITLE OFF will display on the LCD screen.



DVD MENU

Many DVDs come with different and unique selectable menus. But these all use similar operating methods.

1. Press the **MENU** button  on the remote or on the right hand side of the LCD screen during playback. The root menu for the DVD will be displayed on the LCD screen.
2. Press the **Left/Right/Up/Down** () buttons on the remote control or on the control panel above the LCD screen to select from the menu options.
3. Press the **ENTER** button on the remote or the **ENT** button on the control panel above the LCD screen to activate that menu option.



DVD TITLE

Some DVDs come with selectable titles.

1. Press the **TITLE** button on the remote during playback. All the titles will be displayed on the LCD screen.
2. Press the **Left/Right/Up/Down** (◀/▶/▲/▼) buttons on the remote control to select the desired title.
3. Press the **ENTER** button to play that title.



DVD DISPLAY

The **DISPLAY** button on the remote displays the status of the DVD, MP3, or CD presently playing.

1. When a CD is playing the following will be displayed on the LCD screen with each **DISPLAY** button press.

SINGLE ELAPSED	XX/XX	MM:SS
SINGLE REMAIN	XX/XX	MM:SS
TOTAL ELAPSED	XX/XX	MM:SS
TOTAL REMAIN	XX/XX	MM:SS
OFF		

The first XX represents the current track playing. The second XX represents the total number of tracks on the CD. MM:SS represents the time in minutes and seconds.

2. When a MP3 is playing the following will be displayed on the LCD screen with each **DISPLAY** button press.

CHAPTER ELAPSED	HH:MM:SS
CHAPTER REMAIN	HH:MM:SS
OFF	

The HH:MM:SS is the time either elapsed or remaining; in hours, minutes and seconds.

3. When a DVD is playing the following will be displayed on the LCD screen with each **DISPLAY** button press.

TITLE	XX/XX	CHAPTER	XXX/XXX
HH:MM:SS			

TITLE REMAIN	
HH:MM:SS	

CHAPTER ELAPSED	
HH:MM:SS	



CHAPTER REMAIN
HH:MM:SS

The Title XX/XX shows the current title playing/total titles on the DVD. The Chapter XXX/XXX shows the current chapter playing/total chapters on the DVD. The time (HH:MM:SS) is shown in hours/minutes/seconds.

DVD Setup

SETUP MENU

This option allows the modification and setup of the DVD settings.

1. With the DVD player stopped and in DVD mode, press the **SETUP** button on the remote to display the following options.

NOTE: The setup menu can be accessed with a DVD playing, but some of the menu selections may be inaccessible ("grayed" out). If the DVD is playing, press the remote's **STOP** ■ button twice.



SETUP MENU -- MAIN PAGE

GENERAL SETUP
SPEAKER SETUP
AUDIO SETUP
KARAOKE SETUP
PREFERENCES
EXIT SETUP

GENERAL SETUP

Use the Up/Down (▼/▲) buttons on remote or the control panel above the LCD screen to scroll to GENERAL SETUP option and press **ENTER** (↵) button. The following will display on the LCD screen. A brief explanation of each of the settings is given at the bottom of the menu dialog box.

- | | |
|---------------|----------------------------|
| 1. TV DISPLAY | 4. OSD LANG |
| NORMAL/PS | ENGLISH |
| NORMAL/LB | CHINESE |
| WIDE | 5. CAPTIONS |
| 2. PIC MODE | ON |
| AUTO | OFF |
| HI-RES | 6. SCR SAVER |
| N-FLICKER | ON |
| 3. ANGLE MARK | OFF |
| ON | 7. VIDEO OUTPUT (not used) |
| OFF | |

SPEAKER SETUP

1. DOWNMIX
LT/RT
STEREO
OFF
2. MAIN PAGE

AUDIO SETUP

1. AUDIO OUT (not used)
ANALOG
SP DIF/RAW
SP DIF/PCM
2. OP MODE
LINE OUT
RF REMOD
3. DUAL MONO
STEREO
L-MONO
R-MONO
MIX-MONO
4. DYNAMIC
FULL
6/8
4/8
2/8
OFF
5. PROLOG (not Used)
6. LPCM OUTPUT (not Used)
7. MAIN PAGE

KARAOKE SETUP

1. KARAOKE MODE
OFF
KARAOKE
2. MAIN PAGE

PREFERENCES

1. TV TYPE
MULTI
NTSC
PAL
2. AUDIO
ENGLISH
FRENCH
SPANISH
CHINESE
JAPANESE
3. SUBTITLE
ENGLISH
FRENCH
SPANISH
CHINESE
JAPANESE
OFF
4. DISC MENU
ENGLISH
FRENCH
SPANISH
7. PASSWORD
NOTE: Make sure you write down and retain the new password. Unit is shipped with a factory default of "1234."
Select CHANGE

Use the **Left/Right** (◀/▶) button on the remote control, select CHANGE and press the **ENTER** button. The unit will ask you for the old password, an entry of the new password, and confirmation of the new password.
8. DEFAULTS
NOTE: This does not restore the password to the default password (1234).

RESET

- | | | | |
|----|-----------|-----|--|
| | CHINESE | | This restores the settings for the DVD setups to the factory defaults. |
| | JAPANESE | | |
| 5. | LOCALE | 9. | SMART NAV |
| | CHINA | | This option is only for use with MP3s. |
| | FRANCE | | 1. NO MENU |
| | HONG KONG | | 2. WITH MENU |
| | JAPAN | 10. | MAIN PAGE |
| | TAIWAN | | Return to SETUP MENU. |
| | GBR | 11. | EXIT SETUP |
| | USA | | |
| 6. | PARENTAL | | |

Use the Up/Down (▼/▲) buttons on remote to scroll to the parental restriction desired and press the **ENTER** (↵) button. A dialog box will appear requesting the password. The default password is "1234". Enter the password and press the **ENTER** (↵) button. The parental levels are listed below.

NOTE: You cannot change the parental setting with a DVD playing.

1. G
- 2.
3. PG
4. PG13
- 5.
6. PG-R
7. NC-17
8. ADULT
- NO PARENTAL

Appendix A – Cleaning

CLEANING THE LCD SCREEN

CAUTION: To avoid possible shock hazard and equipment damage, be sure the LCD system is turned off and unplugged from the main electrical outlet before cleaning.

CAUTION: Do not use any form of solvents on the LCD screen or enclosure.

1. Use a soft, clean & dry cloth to gently wipe off the dust on the LCD screen.
2. Use a clean cloth dampened with water to wipe off the dirt.
3. Do not exert excessive force when cleaning the LCD screen.

CLEANING THE ENCLOSURE:

1. Use a soft, clean & dry cloth to gently wipe off the dust on the enclosure.
2. Use a clean cloth dampened with water to wipe off the dirt.
3. Do not exert excessive force when cleaning the enclosure.

Appendix B – Troubleshooting

If the unit fails to operate normally, try solving the problems using the procedures below. If the problem persists, switch off the unit and ask the dealer or technical services for assistance. Do not attempt to repair or open the defective unit as high voltage is present inside the unit.

1. No Picture
 - a. Check that all cables are connected and the LED is illuminated on the control panel above the LCD screen.
 - b. Check the contrast and brightness settings.

- d. Be sure you have selected the correct source mode (AV1, AV2, DVD).
2. DVD Player Not Working Properly
- a. Ensure disc is correctly inserted into the unit.
 - b. Inspect the disc is not damaged (no scratches on the recorded side of the disc) and is of correct format to play in the unit.
 - c. Please wait as some disc requires longer time to read-in prior to playing.
 - d. Eject and re-insert disc.
3. Picture flickers
- a. Check that the power coming from the main socket is sufficient.
 - b. Check that unit is not placed too near speakers or magnetic objects.
 - c. Check to see that the unit settings are correct.
4. Color patch on LCD screen(Unevenness)
Ensure all connections are correct.
5. Horizontal dots on LCD screen
Ensure all connections are correct.
6. No sound
- a. Ensure that the MUTE function is Off.
 - b. Volume set too low, increase the volume setting.
7. Remote control not working.
- a. Check to verify that the battery is installed correctly (+ side of battery must be facing the bottom of the remote case), replace if necessary (CR2025).
 - b. Make sure that the remote control is pointed towards the remote sensor located at the front right of the enclosure.

Specifications

Type	Roof mount color display monitor
Display system	9-inch active matrix color TFT LCD NTSC/PAL auto switch
Display format	336,960 pixels
Aspect ratio	16:9
Resolution	336,960 DOTS/480 (W) X 234 (H) X 3 RGB
Active area	198 (W) X 111 (H) mm
Back light	10,000 hours normal operation
Mechanism	Manual open/close
Display angle	Adjustable Horizontal: Up/Down <110°
Source	Composite video input x 2 Composite video output x 1 Audio L/R input x 2 Audio L/R output x 1
Wireless audio	Infrared audio transmitter (support IR receiver stereo headphone, L-channel 2.3 MHz/R-channel 2.8 MHz) Effective listening angle: 30° Effective range: 4 meters
Dome light	5W X 2 with door sensor connection
Operating voltage	11–16 VDC
Operating current	1.7 A, typical
Operating temperature	0° to 60°C

NOTE: All specifications are subject to change without notice.

The company behind this system is Directed Electronics, Inc.

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