



JHD3510
Installation and Operation Manual

AM/FM/RBDS/WB/AUX-IN/iPod Ready/SIRIUS Ready Heavy Duty Radio

- Single In-Dash CD Player with MP3/WMA Playback Capability
- CD ESP (Electronic Skip Protection) 40 Sec.

SAFETY INFORMATION

- **Protect the Disc Mechanism**
- **Avoid inserting any foreign objects into the disc slot. Misuse may cause malfunction or permanent damage due to the precise mechanism of this unit.**
- **CAUTION:**
- **THIS MOBILE CD PLAYER IS A CLASS I LASER PRODUCT. THIS UNIT USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION IF EXPOSED DIRECTLY. BE SURE TO OPERATE THE MOBILE CD PLAYER AS INSTRUCTED.**
- **USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.**
- **DO NOT OPEN COVERS AND DO NOT REPAIR BY YOURSELF. PLEASE REFER SERVICING TO A QUALIFIED TECHNICIAN.**

DISC NOTES

Depending on the recording status, conditions of the disc, and the equipment used for recording, some CD-Rs/CD-RWs may not play on this unit. For more reliable playback, please adhere to the following recommendations:

- Use CD-RWs with speed 1x to 4x and write with speed 1x to 2x.
- Use CD-Rs with speed 1x to 8x and write with speed 1x to 2x.
- Do not play a CD-RW which has been written more than 5 times.

Compatible Disc Types

General Disc Information

Disc Type	Logo	Diameter/Playable Sides	Playback Time
Audio CD		12 cm single side	74 minutes

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

Disc Maintenance

A dirty or defective disc may cause sound dropouts while playing. Before playing, wipe the disc using a clean cloth, working from the center hole towards the outside edge. Never use benzene, thinners, cleaning fluids, anti-static liquids or any other solvent.

- Be sure to use only round CDs for this unit and do not use any special shape CDs. Use of special shape CDs may cause the unit to malfunction.
- Do not stick paper or tape on the disc. Do not use CDs with labels or stickers attached or that have sticky residue from removed stickers.
- Do not expose discs to direct sunlight or heat sources.

NOTE: A disc may become scratched (although not enough to make it unusable) depending on how you handle it and other conditions in the usage environment. These scratches are not an indication of a problem with the player.

CD/MP3 PLAYER OPERATION

Inserting and Ejecting a Disc

Insert a disc, label-side up, into the disc slot (22). The unit will automatically draw the disc in and play the first track on the disc, whether the power was turned on or not.

Press the eject \wedge button (20) to stop disc play and eject the disc. The unit does not have to be on to eject the disc.

Controlling Disc Playback

Selecting Tracks

Press the **TUNE/SEEK >>|** (19) or **TUNE/SEEK |<<** button (18) to advance to the next track on the disc. The selected track number will appear on the display. *Press and hold* the **TUNE/SEEK >>|** or **|<<** button to fast forward or fast reverse through the disc. Disc play starts when the button is released.

Play/Pause Disc Playback

Press the **1/>||** button (8) to suspend disc play. Press the **1/>||** button again to resume disc Play.

Previewing Tracks

Press the **2/INT** button (6) to play the first 10 seconds of each track sequentially. Press **2/INT** again to stop Intro Scan and resume normal play at the current track.

Repeat Play

- Press the **3/RPT** button (5) during disc play to repeat the current track.
- *Press and hold* the **3/RPT** button to repeat the current folder.
- Press **3/RPT** again to stop repeat play.

Random Play

- Press the **4/RDM** button (7) during disc play to play all tracks in random, shuffled order.
- *Press and hold* the **4/RDM** button to randomly play all files in the current folder.
- Press **4/RDM** again to stop random play.

Folder Navigation (MP3 Only)

Press the **5/DN** button (9) to select folder down.

Press the **6/UP** button (10) to select folder up.

MP3 Playback

Notes on MP3 Playback

Any directory that does not include an MP3 file is skipped

Maximum number of folders: 512 (including skipped directories)

Maximum number of folder levels: 12

Maximum number of MP3 files: 999

Maximum number of characters for MP3 file name and folder name: 32

Sampling frequency: 16KHz, 22.05KHz, 24KHz, 32KHz, 44.1KHz, 48KHz

Bit rates: maximum 384 Kbps

Maximum number of Characters of ID3 Tag:

- ID3 Tag version 1.0: 32
- ID3 Tag version 2.x: 32

File 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 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 and playback order as shown below

TROUBLESHOOTING

Symptom	Cause	Solution
No power	The vehicle's accessory switch is not on	If the power supply is properly connected to the vehicle's accessory terminal, switch the ignition key to "ACC" or "Run"
	The fuse is blown	Replace the fuse
Disc cannot be loaded or ejected	Presence of CD disc inside the player	Remove the disc in the player and insert the new one If disc will not eject, press the RESET button

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	Inserting the disc in reverse direction	Insert the compact disc with the label facing upward
	Compact disc is extremely dirty or disc is defective	Clean the disc or try to play a new one
	Condensation	Leave the player off for an hour or so, then try again
No sound	Volume is too low or system is muted	Adjust volume to audible level
	Wiring is not properly connected	Check wiring connections
The operation keys do not work	The built-in microcomputer is not operating properly due to noise	Press the RESET button
Sound skips	The installation angle is more than 30 degrees	Adjust the installation angle to less than 30 degrees
	The disc is dirty or defective.	Clean the disc and try to play again or use new disc
Cannot tune to radio station, auto-seek does not work	The antenna cable is not connected	Check antenna cable
	The signals are too weak	Select a station manually

CD

Signal to Noise Ratio ≥ 65 dB

Channel Separation..... : More than 50 dB

Frequency Response : 20 Hz - 20 kHz