HR8D/HR8AD/HR8A
REAR SEAT VIDEO HEADREST SYSTEM

AVAILABLE IN THREE CONFIGURATIONS

HR8D
8” MONITOR WITH DVD

HR8AD
8” ANDROID MONITOR
WITH DVD

HR8A
8” ANDROID MONITOR

Owner’s Manual
# TABLE OF CONTENTS

## WELCOME
- CONGRATULATIONS .................................................................................................................. 3
- CAUTIONS ......................................................................................................................................... 3
- PRODUCT FEATURES .................................................................................................................... 4
- SYSTEM CONFIGURATIONS ......................................................................................................... 6

## BATTERY INSTALL
- REMOTE CONTROL BATTERY INSTALLATION .............................................................................. 8
- HEADPHONE BATTERY INSTALLATION .......................................................................................... 9
- BATTERY CAUTIONS AND WARNINGS .......................................................................................... 9

## HR8D
- HR8D FRONT PANEL CONTROLS .................................................................................................. 10
- HR8D QUICK START GUIDE ........................................................................................................... 11
- HR8D SYSTEM SETUP MENUS ....................................................................................................... 12
- HR8D SYSTEM SETUP SUB-MENUS ............................................................................................... 13

## HR8AD
- HR8AD FRONT PANEL CONTROLS ............................................................................................... 16
- HR8AD QUICK START GUIDE .......................................................................................................... 17
- HR8AD SYSTEM SETUP MENUS ..................................................................................................... 18
- HR8AD SYSTEM SETUP SUB-MENUS ............................................................................................ 19

## HR8A
- HR8A FRONT PANEL CONTROLS ................................................................................................. 22
- HR8A QUICK START GUIDE ........................................................................................................... 23
- HR8A SYSTEM SETUP MENUS ...................................................................................................... 24
- HR8A SYSTEM SETUP SUB-MENUS ............................................................................................. 25

## REMOTE CONTROL
- REMOTE CONTROL OPERATION .................................................................................................. 28

## DVD SETTINGS
- HR8D/HR8AD DVD SETTINGS AND ADJUSTMENTS .................................................................. 32
- HR8D/HR8AD GENERAL DISC OPERATION INSTRUCTIONS ......................................................... 35
- HR8D/HR8AD DVD REGION CODES ............................................................................................ 36

## USB & MICRO SD
- HR8D/HR8AD USB & MICRO SD MODE ..................................................................................... 37
- PLAYING USB MEMORY DEVICES (HR8D) .................................................................................... 37
- PLAYING USB AND MICRO SD MEMORY DEVICES (HR8AD/HR8A) ......................................... 37

## ANDROID
- HR8AD/HR8A ANDROID MODE .................................................................................................... 38

## INPUTS & OUTPUTS
- AV INPUTS, OUTPUTS AND HDMI/MHL AND USB PORT INFORMATION .................................... 42

## GAME
- GAME CONTROLLER OPERATION .................................................................................................. 44

## TROUBLESHOOTING
- TROUBLESHOOTING .................................................................................................................... 46

## SPECIFICATIONS
- SPECIFICATIONS ............................................................................................................................. 48
- COMPLIANCE INFORMATION ........................................................................................................ 49
- NOTES ................................................................................................................................................ 50

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CONGRATULATIONS

Thank you for purchasing the 8” Rear Seat Video Headrest System.
Before operating this system read this manual thoroughly and retain it for future reference.

The 8” Rear Seat Video Headrest System has two replacement video monitor headrests referred to as either “M1” or “M2” in this manual. The system allows the users to watch the same video source on both monitors simultaneously or individual video sources on either monitor. The full function wireless Remote Controls operate either monitor by selecting the Monitor Select “M1” or “M2” button. There are three 8” Rear Seat Video Headrest System models available HR8D, HR8AD and HR8A. These models can be combined to produce six model configurations (see SYSTEM CONFIGURATIONS).

The HR8D monitor has an 8” LCD with built-in DVD player allows the user to select from several sources (USB, DVD, AV/DTV, HDMI/MHL, M1/M2, and GAME* Source). The monitor has a built-in infrared audio transmitter channel.

The HR8AD monitor has an 8” Android LCD touchscreen with a built-in DVD player that allows the user to select from several sources (DVD, ANDROID, USB, SD Card, AV/DTV, HDMI/MHL, AUX, GAME*, and M1/M2 Source).

CAUTIONS

Important Notice

An LCD Panel and/or Video Monitor may be installed in a motor vehicle and visible to the driver if the LCD Panel or Video Monitor is used for vehicle information, system control, rear or side observation or navigation. If the LCD Panel or Video Monitor is used for television reception, video or DVD play, the LCD Panel or Video Monitor must be installed so that these features will only function when the vehicle is in “park” or when the vehicle’s parking brake is applied.

An LCD Panel or Video Monitor used for television reception, video or DVD play that operates when the vehicle is in gear or when the parking brake is not applied must be installed to the rear of the driver’s seat where it will not be visible, directly or indirectly, by the operator of the motor vehicle.

Patented, refer to www.voxxintl.com/company/patents

Safety Precaution

For safety reasons, when changing a video disc, it is recommended that the vehicle not be in motion, and that you do not allow children to unfasten safety belts to change a disc or make any adjustments to the system. System adjustments can be accomplished using the Remote Controls, while safety belts remain fastened. Enjoy your entertainment system but remember that the safety of all passengers remains the number one priority.

CAUTION

Always run the vehicle’s engine while using the 8” Rear Seat Video Headrest System. Using the system without running the engine can result in battery drainage. To avoid the risk of battery drainage, please remember to turn the system OFF when the vehicle is not in use for long periods of time.

The monitor has a built-in infrared audio transmitter channel.

The HR8A monitor has an 8” Android LCD touchscreen that allows the user to select from several sources (ANDROID, USB, SD Card, AV/DTV, HDMI/MHL, AUX, GAME*, and M1/M2 Source). The monitor has a built-in infrared audio transmitter channel.

The two-channel wireless Infrared (IR) headphones have an A-B switch that allows the users to select the audio from either the M1 monitor on “CH A” or the M2 monitor on “CH B”.

The M1 monitor will only respond to the Remote Control when the Monitor Select “M1” button is pressed.

The M2 monitor will only respond to the Remote Control when the Monitor Select “M2” button is pressed.

* GAME Optional
PRODUCT FEATURES

The 8” Rear Seat Video Headrest Systems consist of:

1. Two matching headrests with 8-inch color TFT-LCD Display Screens (800x480) 16:9 aspect ratio.
2. Two Infrared (IR) Transmitters for listening to the audio signal through Wireless IR Headphones.
3. Two wireless Infrared (IR) Headphones equipped with volume control and an A/B switch to select between “M1” and “M2”.
   NOTE: The wireless IR headphones must be used within a line of sight from the transmitter as infrared transmission, like visible light, travels only in an unrestricted line of sight.
4. One wireless 100 channel FM transmitter for listening to audio (from the M1 Monitor only) through the vehicle’s FM radio by tuning to one of 100 frequencies. Locate an unused FM frequency on the radio and set the FM modulator to that frequency.
   NOTE: Whenever the FM transmitter is active, regular radio reception may be poor. Turn the FM transmitter off to allow normal radio reception.
5. USB Input to connect a USB memory device. This input will also charge a USB device that contains a battery. (see page 43 for more information)
6. Sources:
   - HR8D - USB, DVD, AV/DTV, HDMI/MHL, M1/M2, and GAME*.
   - HR8AD - DVD, ANDROID, USB, Micro SD Card, AV/DTV, HDMI/MHL, AUX, GAME*, and M1/M2.
   - HR8A - ANDROID, USB, Micro SD Card, AV/DTV, HDMI/MHL, AUX, GAME*, and M1/M2.
   * GAME Source (optional on all configurations).
7. HDMI/MHL Input, is used to connect a device with an HDMI/MHL output.
   NOTE: Requires an HDMI/MHL enabled device and a special HDMI/MHL adapter. Contact your HDMI/MHL device supplier for the adapter. (see pages 42 for more information)
9. Two full function Remote Controls to operate either monitor by selecting “M1” or “M2”.
10. Controls & Indicators on the Front and Top Panel.
    HR8D:
    - POWER
    - SOURCE (S)
    - PLAY/PAUSE (►/■)
    - STOP/EJECT (■/△)
    - ENTER (►/△)
    - LEFT / PREVIOUS (◄)
    - DOWN (▼)
    - UP (▲)
    - NEXT / RIGHT (►)
    - USB Connector
    - HDMI/MHL INPUT
    HR8AD AND HR8A:
    - POWER
    - Volume UP (+) and DOWN (-)
    - USB Connector
    - HDMI/MHL INPUT
    - USB Connector
    - Micro SD Card Slot
    - AUX Jack
    - WIRED HEADPHONE Jack
PRODUCT FEATURES (continued)

11. Touch Screen Controls on the HR8AD and HR8A.
   HR8AD:
   • HOME (Home)
   • MAIN MENU (Main Menu)
   • DVD SETUP (DVD Setup)
   • PREVIOUS (Previous)
   • LEFT/REVERSE (Left/Reverse)
   • PLAY/PAUSE (Play/Pause)
   • STOP (Stop)
   • RIGHT/FORWARD (Right/Forward)
   • NEXT (Next)
   • EJECT (Eject)
   • BACK (Back)
   HR8A:
   • HOME (Home)
   • MAIN MENU (Main Menu)
   • DVD SETUP (DVD Setup)
   • BACK (Back)

12. OSD (On Screen Display) menus.

13. MVGP1 Game Pack (Optional):
   The Game Pack consists of fifty four 32-bit games (six dual player games).
   Includes 2 Game Controllers (P1 & P2),
   (see page 44 for more information)
SYSTEM CONFIGURATIONS

The 8” Rear Seat Entertainment System is available in multiple model configurations. Please refer to the following figures which detail each possible entertainment system configuration.

Available in the configuration as follows:

Configuration 1: Model HR8D
Two HR8D 8” LCD monitors with built-in DVD players. (Figure 1)

Configuration 2: Model HR8AD
Two HR8AD 8” Android LCD monitors with built-in DVD players. (Figure 2)

Configuration 3: Model HR8A
Two HR8A 8” Android LCD monitors. (Figure 3)

Configuration 4: Model HR8D and Model HR8AD
One HR8D 8” LCD monitor with a built-in DVD player and one HR8AD 8” Android LCD monitor with a built-in DVD player. (Figure 4)
SYSTEM CONFIGURATIONS (continued)

Configuration 5: Model HR8D and Model HR8A
One HR8D 8" LCD monitor with a built-in DVD player and one HR8A 8" Android LCD monitor. (Figure 5)

Configuration 6: Model HR8AD and Model HR8A
One 8" HR8AD Android LCD monitor with a built-in DVD player and one 8" HR8A Android LCD monitor. (Figure 6)

New Feature:
When an optional Game Pack is installed, either monitor can be designated as “Player 1”. Selection is based on a “first come, first serve” basis. The second monitor will automatically become “Player 2”.

Figure 5

Figure 6
REMOTE CONTROL BATTERY INSTALLATION

Installation of the Remote Control Battery

Each Remote Control comes with a battery already installed with a Pull Tab to prevent battery discharge. Remove the Pull Tab before attempting to use the Remote Control. (Figure 7)

NOTE: The Remote Control will only operate with the HR8D, HR8AD or HR8A Rear Seat Video Headrest System. It is not a universal Remote Control and will not control other equipment.

1. While holding the Remote Control, insert thumbnail into the battery door side notch (1) and index fingernail into battery door upper notch (2) and slide battery holder open in the direction shown. (Figure 8)

2. Install one CR2025 battery (3) into the battery holder. (Figure 9)

NOTE: Make sure that the proper polarity (+ or -) is observed.

3. Slide the battery holder back into the Remote Control until it locks in place. (Figure 9)
HEADPHONE BATTERY INSTALLATION

Installation of the Headphone Batteries

Each wireless IR headphone requires two AAA batteries.

1. Locate the battery compartment cover on the left earphone.
2. While holding the left earphone in one hand, insert a coin into the screw slot and turn counterclockwise to release the battery compartment cover. (Figure 10)
3. Insert two AAA batteries, carefully following the markings inside the battery compartment to ensure the batteries are inserted properly (“+” and “-“ ends in the correct positions). (Figure 11)
4. Close the battery compartment cover.
5. Insert a coin into the screw slot and turn clockwise to fasten the cover.

BATTERY CAUTIONS AND WARNINGS

Cautions and Warnings

• Always keep the Monitors, Remote Controls and Headphones clean and dry.

• Always seek qualified personnel to perform repairs to the system or individual components of the system. **NOTE: Never attempt your own repairs.**

• Do not drop Remote Controls and Headphones or expose to strong impacts.

• Do not expose Monitors, Remote Controls and Headphones to direct sunlight for extended periods of time.

• Always ensure that the batteries are correctly installed in the Remote Controls and Headphones with the positive and negative sides in the directions as shown in the battery compartment.

• Use one CR2025 (3V) Lithium battery (160mAh) in each Remote Control.

• Use two AAA (1.5v) Alkaline batteries in each of the Headphones. **NOTE: Do not use different types.**

• Do not use old batteries in the Remote Controls or Headphones.

• When the batteries fail to function, replace them immediately.

• Remove the batteries if the Remote Controls and Headphones are not used for a month or longer.

• Keep all batteries out of the reach of children. Should a battery be swallowed, immediately consult a doctor.

• When disposing of used batteries, please comply with governmental regulations or environmental rules that apply in your area.
HR8D FRONT PANEL CONTROLS

1. DVD disc insertion slot
2. IR TRANSMITTER and IR SENSOR
   IR Transmitter: Used to broadcast audio signal to the wireless IR headphones.
   IR Sensor: Used to receive signals from the Remote Control.
3. PLAY/PAUSE (▶/II) Button
   This button is used to start playback of the disc or pause a disc.
4. SOURCE (S) Button
   This button is used to access the USB, DVD, AV/DTV, HDMI/MHL, M1/M2, or GAME* sources and Settings.
   *GAME is optional.
5. STOP / EJECT (■/▲) Button
   This button is used to stop the playback of the disc or USB in use and to eject the disc.
6. HOME / MENU SELECT (▶/▲) Button
   This button is used to access the system menu. This button is also used to execute selected settings or menu options.
7. USB INPUT CONNECTOR
   This port is used to connect a USB device for playback of content. To view content, select “USB” as the video source and insert the USB device. The USB device will start automatically.
   NOTE: This input will also charge a USB device that contains a battery.
8. HDMI/MHL INPUT
   This port is used to connect devices with HDMI/MHL output. NOTE: Requires a HDMI/MHL enabled device and a special HDMI/MHL adapter. Contact your HDMI/MHL device supplier for adapter.
9. JACK COVERS
   These covers are used to protect and cover the HDMI/MHL input and USB port when not in use.
10. DOWN (▼) Button
    This button is used to navigate through menu selections in downward direction.
11. UP (▲) Button
    This button is used to navigate through menu selections in upward direction.
HR8D FRONT PANEL CONTROLS (continued)

12. NEXT / RIGHT (▶) Button
This button is used to skip to the next chapter or track during playback of a disc. This button is also used to navigate through menu selections.

13. LEFT / PREVIOUS (◀) Button
This button is used to skip to the previous chapter or track during playback of a disc. This button is also used to navigate through menu selections.

14. POWER INDICATOR
Bright Red when OFF and dimly lit when ON.

15. 8-inch TFT LCD Display Screen
(800 x 480)

HR8D QUICK START GUIDE

1. Press the Power button on the top of the front panel or on the Remote Control. The power indicator will be dimly lit.

2. Insert a DVD, CD, or MP3 disc (label toward user) into the disc slot located on top of the M1 monitor. The DVD player will pull the disc in automatically.

   NOTE: Do not force the disc in the slot. The monitor must be in DVD mode to accept a disc.

3. Tilt the screen to a comfortable viewing position. The screen has a built-in stop. Do not force it past this stop, otherwise damage will occur.

4. Each wireless IR headphone has an “A-B” switch used to select the audio from either the “M1” or “M2” monitor. When sitting in front of the M1 monitor, use the CH A setting. When sitting in front of the M2 screen, use the CH B setting.
   • Set the headphone to the proper channel and press the Power On/Off button to turn the headphones ON. The power indicator will light up red.
   NOTE: Turn the volume down to its lowest setting before putting the headphones on.

5. When the DVD menu appears, select the menu item using the UP/DOWN buttons and press the HOME / MENU SELECT button on the front panel or Play button on the Remote Control.

6. If audio playback through the vehicle radio is preferred, use the FM transmitter ON/OFF button on the Remote Control. Set the vehicle radio to the channel selected on the M1 monitor. If interference with a local radio station occurs, set the FM modulator to one of the other 100 radio frequencies using the Channel Select button on the Remote Control or front panel.

   NOTE: To operate the M1 screen, press M1 button on the Remote Control. To operate the M2 screen, press the M2 button on the Remote Control.

7. To turn OFF either the M1 or M2 monitor, press and hold the Power ON/OFF button for 5 seconds.

   \[\text{Warnings}\]
   Do not use any solvents or abrasive cleaning materials when cleaning the screen. Use only a lightly dampened lint free cloth to wipe the screen if it is dirty.

   Lock the front panel in the fully closed position when not in use. Do not put pressure on the screen, caution children to avoid touching or scratching the screen.

16. POWER Button
   • Press and release this button to turn the monitor ON.
   • Press and hold this button for 5 seconds to turn the monitor OFF.
HR8D SYSTEM SETUP MENUS

MAIN MENU - System Sources and Settings

The MAIN MENU is used to access and change the AV source between USB, DVD, AV/DTV, HDMI/MHL, M1/M2, and GAME* (The SETTING menu is also accessed through the MAIN MENU.) There are two ways to access the MAIN MENU screen (Figure 13): * GAME Optional

- From the front panel press the SOURCE (S) button. (Figure 15)
- From the Remote Control press the SRC button (Figure 14).

The SYSTEM MENU allows the user to personalize the HR8D Rear Seat Video Headrest System settings. This menu is accessed by selecting the gear (⚙️) icon in the MAIN MENU. The MAIN MENU is used in the initial setup to adjust the picture quality and customize adjustable functions. Once the initial settings are customized, they will remain the same until modified or reset to the factory default settings. There are two ways to access the SYSTEM MENU:

- From the front panel press the HOME / MENU SELECT (🔥) button. (Figure 15)
- From the Remote Control press the SYSTEM MENU or PIX button (Figure 14).

NOTE: SYSTEM MENU changes are best made without a DVD inserted into the unit.

The following section describes how to adjust and set settings using the five setup screens:

Using the System Menu

Navigating and selecting available settings in the SYSTEM MENU is accomplished using the Remote Control buttons (Figure 14) or the Front Panel buttons (Figure 15).

Follow the steps outlined in this section to select and customize each of the adjustable Sub-Menu functions and a Settings option listed above in the MAIN MENU, refer to the sections that apply.
HR8D SYSTEM SETUP SUB-MENUS

System Sub-Menus

1. Press the SYSTEM MENU button on the Remote Control (Figure 14) or press the SOURCE (S) button on the front panel of the monitor (Figure 15) to display the SYSTEM MENU.

2. Use the UP and DOWN direction buttons to select and enter the desired SYSTEM SUB-MENU:
   - PICTURE
   - WFMM (Only M1 mode)
   - LANGUAGE
   - DEFAULT DVD
   - IR TRANSMITTER

   NOTE: Selected items in the SYSTEM MENU and the Sub-Menus will be highlighted in orange.

3. Use the UP, DOWN, LEFT and RIGHT direction buttons to adjust or select an item in the Sub-Menu screen and then press the OK button on the Remote Control (Figure 16) or press the HOME / MENU SELECT button (Figure 15).

4. To exit the SYSTEM MENU screen or the SYSTEM SUB-MENU screens and return to the MAIN MENU at anytime, press the SOURCE (SRC) button on the Remote Control or the SOURCE (S) button on the front panel.

PICTURE CONTROL

PICTURE CONTROL Menu

Figure 16

PICTURE CONTROL from the Front Panel:

1. Press and hold the HOME / MENU SELECT button on the front panel of the unit to show the SYSTEM MENU.

2. Use the UP and DOWN direction buttons to select PICTURE CONTROL (Figure 16) and press the HOME / MENU SELECT button to enter the sub-menu.

3. Use the UP and DOWN direction buttons to select one of the five selections in the Sub-Menu (Brightness, Contrast, Color, Tint and Reset).

4. Use the LEFT and RIGHT direction buttons to adjust the picture setting levels.

   NOTE: Levels are set from “0” to “32” for Brightness, Contrast and Color. The level for Tint is set from “-16” to “+16”. There is no Tint Control in PAL Mode.

5. Select Reset to return the picture setting controls to the factory default settings.

PICTURE CONTROL from the Remote Control:

1. Select “M1” or “M2” on the Remote Control.

2. Press the SYSTEM MENU or PIX button to enter PICTURE CONTROL then press the OK button to enter the sub-menu.

3. Use the UP and DOWN direction buttons to select one of the five selections in the Sub-Menu (Brightness, Contrast, Color, Tint and Reset).

4. Use the LEFT and RIGHT direction buttons to adjust the picture setting levels.

   NOTE: Levels are set from “0” to “32” for Brightness, Contrast and Color. The level for Tint is set from “-16” to “+16”. There is no Tint Control in PAL Mode.

5. Select Reset to return the picture setting controls to the factory default settings.

FM CHANNEL

Wireless FM Modulator (WFMM) Channel Select from the Front Panel

1. Press and hold the HOME / MENU SELECT button on the front panel of the unit to show the SYSTEM MENU.

2. Use the UP and DOWN direction buttons to select WFMM (Wireless FM Modulator) (Figure 17) and press the HOME / MENU SELECT button to enter the sub-menu.

3. Use the UP, DOWN, LEFT and RIGHT direction buttons to select the best channel/frequency from a five page list.
HR8D SYSTEM SETUP SUB-MENUS (continued)

Wireless FM Modulator (WFMM)

Channel Select from the Remote Control:
1. Select “M1” on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter SYSTEM MENU.
3. Use the UP and DOWN direction buttons to select WFMM (Wireless FM Modulator) and press the OK button to enter the Wireless FM Modulator sub-menu.
4. Use the UP, DOWN, LEFT and RIGHT direction buttons to select the best channel/frequency from a five page list of one hundred frequencies then press the OK button to enter selection.

NOTE: When a channel/frequency is selected, the Wireless FM Modulator screen will display the selected channel/frequency.

Wireless FM Modulator On/Off Direct Access Button on the Remote Control:
Press the FMM ON or OFF button on the Remote Control (Figure 18) to turn the Wireless FM Modulator ON or OFF. When ON is selected, the channel/frequency the system is set to will be displayed on the lower left-side of the main screen. When OFF is selected, FMM OFF will be displayed on the lower left-side of the main screen.

LANGUAGE

LANGUAGE from the Front Panel:
1. Press and hold the HOME / MENU SELECT button on the front panel of the unit to show the SYSTEM MENU.
2. Use the UP and DOWN direction buttons to highlight Language and press the HOME / MENU SELECT button to enter the sub-menu. (Figure 19)
3. Use the UP and DOWN direction buttons to select the desired language then press the HOME / MENU SELECT button to save the setting.

LANGUAGE from the Remote Control
1. Select “M1” or “M2” on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter SYSTEM MENU.
3. Use the UP and DOWN direction buttons to highlight Language and press the OK button on the Remote Control to enter the Language sub-menu.
4. Use the UP and DOWN direction buttons to select the desired language then press the OK button on the Remote Control to save the setting.
HR8D SYSTEM SETUP SUB-MENUS (continued)

IR Transmitter ON/OFF from the Front Panel:
1. Press and hold the HOME/MENU SELECT button on the front panel of the unit to show the SYSTEM MENU.
2. Use the UP and DOWN direction buttons to highlight IR TRANSMITTER and press the HOME / MENU SELECT button to enter the sub-menu. (Figure 21)
3. Use the UP and DOWN direction buttons to select ON or OFF and press the HOME / MENU SELECT button to enter selection. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.

IR Transmitter ON/OFF from the Remote Control:
1. Select "M1" or "M2" on the Remote Control.
2. Press the IRT ON/OFF button to enter the Sub-menu.
3. Use the UP and DOWN direction buttons to highlight ON or OFF and press the OK button to enter selection. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.

or

Default DVD ON and OFF from the Remote Control:
1. Select "M1" or "M2" on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter SYSTEM MENU.
3. Use the UP and DOWN direction buttons to highlight DEFAULT DVD and press the OK button to enter the sub-menu. (Figure 20)
4. Use the UP and DOWN direction buttons to highlight ON or OFF and press the OK button to make the selection.

With the "Default DVD ON" feature selected, the monitor will default to DVD Mode each time the system is turned ON. For example, if the user is playing a game and the system is turned OFF, the next time the system is turned ON, it will power up in DVD Mode.

Default DVD ON and OFF from the Front Panel:
1. Press and hold the HOME/MENU SELECT button on the front panel of the unit to show the SYSTEM MENU.
2. Use the UP and DOWN direction buttons to highlight IR TRANSMITTER and press the HOME / MENU SELECT button to enter the sub-menu. (Figure 21)
3. Use the UP and DOWN direction buttons to select ON or OFF and press the HOME / MENU SELECT button to enter selection. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.

IR TRANSMITTER
1. DVD disc insertion slot
2. IR TRANSMITTER and IR SENSOR
   IR Transmitter: Used to broadcast audio signal to the wireless IR headphones.
   IR Sensor: Used to receive signals from the Remote Control.
3. USB INPUT CONNECTOR
   This port is used to connect a USB device for playback of content. To view content, select “USB” as the video source and insert the USB device. The USB device will start automatically.
   NOTE: This input will also charge a USB device that contains a battery.
4. Micro SD CARD Port
   This input supports a Micro SD card up to 32GB
5. AUX IN
   This jack is used to supply additional audio and video inputs to the monitor.
   NOTE: Requires optional adapter, P/N 112-3227.
6. WIRED HEADPHONE Jack
7. HDMI/MHL INPUT
   This port is used to connect devices with HDMI/MHL output.
   NOTE: Requires a HDMI/MHL enabled device and a special HDMI/MHL adapter. Contact your HDMI/MHL device supplier for adapter.
8. JACK COVERS
   These covers are used to protect and cover the Micro SD Card port, USB port, HDMI/MHL input, AUX input, and Wired Headphone Jack when not in use.
9. POWER INDICATOR
   Bright Red when OFF and dimly lit when ON.
HR8AD FRONT PANEL CONTROLS (continued)

10. 8-inch TFT LCD Display Screen (Touch Screen) (800 x 480)

11. Camera
   Front 0.3MP

12. VOLUME UP and DOWN
   This button is to control the Volume output to connected Wired Headphones only.

13. POWER Button
   • Press and release this button to turn the monitor ON.
   • Press and hold this button for 5 seconds to turn the monitor OFF.

WARNINGS

• Do not use any solvents or abrasive cleaning materials when cleaning the screen. Use only a lightly dampened lint free cloth to wipe the screen if it is dirty.

• Lock the front panel in the fully closed position when not in use. Do not put pressure on the screen, caution children to avoid touching or scratching the screen.

HR8AD QUICK START GUIDE

1. Press the Power button on the top of the front panel or on the Remote Control. The power indicator will be dimly lit.

2. Insert a DVD, CD, or MP3 disc (label toward user) into the disc slot located on top of the M1 monitor. The DVD player will pull the disc in automatically. **NOTE:** Do not force the disc in the slot. The monitor must be in DVD mode to accept a disc.

3. Tilt the screen to a comfortable viewing position. The screen has a built-in stop. Do not force it past this stop, otherwise damage will occur.

4. Each wireless IR headphone has an “A-B” switch used to select the audio from either the “M1” or “M2” monitor. When sitting in front of the M1 monitor, use the CH A setting. When sitting in front of the M2 screen, use the CH B setting.
   • Set the headphone to the proper channel and press the Power On/Off button to turn the headphones ON. The power indicator will light up red.
   **NOTE:** Turn the volume down to its lowest setting before putting the headphones on.

5. When the DVD menu appears, select the menu item using the UP/DOWN buttons on the Remote Control and press the HOME / MENU SELECT button on the front panel or Play button on the Remote Control.

6. If audio playback through the vehicle radio is preferred, use the FM transmitter ON/OFF button on the Remote Control. Set the vehicle radio to the channel selected on the M1 monitor. If interference with a local radio station occurs, set the FM modulator to one of the other 100 radio frequencies using the Channel Select button on the Remote Control or front panel.
   **NOTE:** To operate the M1 screen, press M1 button on the Remote Control. To operate the M2 screen, press the M2 button on the Remote Control.

7. To turn OFF either the M1 or M2 monitor, press and hold the Power ON/OFF button for 5 seconds.

8. For ANDROID user instructions see pages 38 through 41.
HR8AD SYSTEM SETUP MENU

MAIN MENU - System Sources and Settings

The MAIN MENU is used to access and change the AV source between DVD, ANDROID, USB, SD Card, AV/DTV, HDMI/MHL, AUX, GAME (Optional) and M1/M2. The SETTINGS menu is also accessed through the MAIN MENU. There are three ways to access the MAIN MENU screen (Figure 23):

• In ANDROID, USB or SD Card mode touch the SOURCE (S) icon on the bottom touch screen control bar.
• In DVD, AV/DTV, HDMI/MHL, AUX, GAME and M1/M2 mode tap the screen twice to access the top Touch Screen control bar then touch the HOME (⌘) icon.
• From the Remote Control press the SRC button (Figure 25).

SETTINGS

The SYSTEM MENU (Figure 24) allows the user to personalize the HR8AD Rear Seat Video Headrest System settings. The SYSTEM MENU is used in the initial setup to adjust the picture quality and customize adjustable functions. Once the initial settings are customized, they will remain the same until modified or reset to the factory default settings. There are three ways to access the SYSTEM MENU:

• From the MAIN MENU screen touch the SETTINGS (⚙) icon.
• In DVD, AV/DTV, HDMI/MHL, AUX, GAME and M1/M2 mode tap the screen twice to access the top Touch Screen control bar then touch the SETTINGS (⚙) icon.
• From the Remote Control press the SYSTEM MENU or PIX button (Figure 25).

NOTE: SYSTEM MENU changes are best made without a DVD inserted into the unit.

System Menu

Using the System Menu

Navigating and selecting available settings in the SYSTEM MENU is accomplished using the Remote Control buttons (Figure 25) or by using the Touch Screen controls.

Follow the steps outlined in the system Sub-Menu section to select and customize each of the five adjustable Sub-Menu functions (PICTURE, WFMM, LANGUAGE, DEFAULT DVD/Android and IR TRANSMITTER).

NOTE: The SYSTEM MENU will disappear if no adjustments are made within 6 seconds.
HR8AD SYSTEM SETUP SUB-MENUS

SYSTEM SUB-MENUS

1. Press the SYSTEM MENU button on the Remote Control (Figure 25) or touch the SETTINGS ( ) icon to display the SYSTEM MENU.

2. Use the UP and DOWN direction buttons on the remote control to select and enter the desired SYSTEM SUB-MENU or touch the desired SYSTEM SUB-MENU:
   - PICTURE
   - WFMM (Only M1 mode)
   - LANGUAGE
   - DEFAULT DVD/Android
   - IR TRANSMITTER
   
   NOTE: Selected items in the SYSTEM MENU and the Sub-Menus will be highlighted in orange.

3. Use the UP, DOWN, LEFT and RIGHT direction buttons to adjust or select an item in the Sub-Menu screen and then press the OK button on the Remote Control (Figure 25).

4. Touch the Home icon on the screen to return to the MAIN Menu and save the setting.

   NOTE: The system will exit the SYSTEM MENU screen or the SYSTEM SUB-MENU screens and return to the MAIN MENU after 6 seconds if no selection is made.

PICTURE CONTROL

PICTURE CONTROL from the Touch Screen (M1 and M2):

1. Touch the SETTINGS ( ) icon to display the SYSTEM MENU.

2. Touch PICTURE to enter the Picture Control menu and select BRIGHTNESS, CONTRAST, COLOR or TINT to adjust the level of the picture setting chosen. (Figure 26)

   NOTE: Levels are set from “0” to “32” for Brightness, Contrast and Color. The level for Tint is set from “-16” to “+16”. No Tint Control in PAL Mode.

3. Touch the Home icon on the screen to return to the MAIN Menu and to save the settings.

   NOTE: The system will exit the SYSTEM MENU screen or the SYSTEM SUB-MENU screens and return to the MAIN MENU after 6 seconds if no selection is made.

PICTURE CONTROL from the Remote Control:

1. Select “M1” or “M2” on the Remote Control.

2. Press the SYSTEM MENU or PIX button to enter PICTURE CONTROL then press the OK button to enter the Sub-Menu.

3. Use the UP and DOWN direction buttons to select one of the five selections in the Sub-Menu (Brightness, Contrast, Color, Tint and Reset).

4. Use the LEFT and RIGHT direction buttons to adjust the picture setting levels.

   NOTE: Levels are set from “0” to “32” for Brightness, Contrast and Color. The level for Tint is set from “-16” to “+16”. There is no Tint Control in PAL Mode.

5. Select Reset to return the picture setting control back to factory defaults.
the system is set to will be displayed on the lower left-side of the main screen. When OFF is selected, FMM OFF will be displayed on the lower left-side of the main screen.

**FM CHANNEL**

WFMM Channel/Frequency Menu

Figure 27

Wireless FM Modulator (WFMM) Channel Select from the Touch Screen

1. Touch the SETTINGS ( ) icon to display the SYSTEM MENU.
2. Touch WFMM to select the best channel/frequency from a five page list of one hundred frequencies.
3. Touch the desired FM frequency. When a channel/frequency is selected, the Wireless FM Modulator screen will display the selected channel/frequency. **NOTE:** The WFMM menu is only available on the “M1” monitor.
4. Touch the Home icon on the screen to return to the MAIN Menu and save the setting.

Selecting the FM Channel from the Remote Control:

1. Select "M1" on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter the SYSTEM MENU.
3. Use the UP and DOWN direction buttons to select WFMM (Wireless FM Modulator) and press the OK button to enter the Wireless FM Modulator sub-menu. (Figure 27)
4. Use the UP, DOWN, LEFT and RIGHT direction buttons to select the best channel/frequency from a five page list of one hundred frequencies then press the MENU/SELECT button to enter selection. **NOTE:** When a channel/frequency is selected, the Wireless FM Modulator screen will display the selected channel/frequency.

**WIRELESS FM MODULATOR ON/OFF Direct Access Button on the Remote Control:**

Press the FMM ON or OFF button on the Remote Control (Figure 28) to turn the Wireless FM Modulator ON or OFF. When the Wireless FM Modulator is ON, the channel/frequency

**LANGUAGE**

Language Sub-Menu, Figure 29

LANGUAGE from the Touch Screen:

1. Touch the SETTINGS ( ) icon to display the SYSTEM MENU.
2. Touch LANGUAGE to enter the Language menu and to select the desired language. (Figure 29)
3. Touch the Home icon on the screen to return to the SOURCE Menu and save the setting.

**LANGUAGE from the Remote Control**

1. Select "M1" or "M2" on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter the SYSTEM MENU.
3. Use the UP and DOWN direction buttons to select Language and press the OK button to enter the Language sub-menu. (Figure 29)
4. Use the UP and DOWN direction buttons to select the desired language then press the OK button to save the setting.
HR8AD SYSTEM SETUP SUB-MENUS (continued)

DEFAULT DVD/ANDROID

IR Transmitter ON/OFF from the Touch Screen:

1. Touch the SETTINGS (⚙️) icon to display the SYSTEM MENU.
2. Touch IR TRANSMITTER and then touch ON or OFF to select the desired setting. (Figure 31)
3. Touch the Home icon on the screen to return to the MAIN Menu and save the setting. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.

IR Transmitter ON/OFF from the Remote Control:

1. Select “M1” or “M2” on the Remote Control.
2. Press the IRT ON/OFF button to enter the Sub-menu.
3. Use the UP and DOWN direction buttons to highlight ON or OFF and press the OK button to enter selection. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.

or

1. Select “M1” or “M2” on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter SYSTEM MENU.
3. Use the UP and DOWN direction buttons to highlight IR TRANSMITTER and press the OK button to enter the sub-menu. (Figure 31)
4. Use the UP and DOWN direction buttons to highlight ON or OFF and press the OK button to enter selection. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.
HR8A FRONT PANEL CONTROLS

1. IR TRANSMITTER and IR SENSOR
   IR Transmitter: Used to broadcast audio signal to the wireless IR headphones.
   IR Sensor: Used to receive signals from the Remote Control.

2. USB INPUT CONNECTOR
   This port is used to connect a USB device for playback of content.
   To view content, select “USB” as the video source and insert the USB device.
   The USB device will start automatically.
   NOTE: This input will also charge a USB device that contains a battery.

3. Micro SD CARD Port
   This input supports a Micro SD card up to 32GB

4. AUX IN
   This jack is used to supply additional audio and video inputs to the monitor.
   NOTE: Requires optional adapter, P/N 112-3227.

5. WIRED HEADPHONE Jack

6. HDMI/MHL INPUT
   This port is used to connect devices with HDMI/MHL output.
   NOTE: Requires a HDMI/MHL enabled device and a special HDMI/MHL adapter.
   Contact your HDMI/MHL device supplier for adapter.

7. JACK COVERS
   These covers are used to protect and cover the Micro SD Card port, USB port, HDMI/MHL input, AUX input, and Wired Headphone jack when not in use.

8. POWER INDICATOR
   Bright Red when OFF and dimly lit when ON.
HR8A FRONT PANEL CONTROLS (continued)

9. 8-inch TFT LCD Display Screen (Touch Screen) (800 x 480).
10. Camera Front 0.3MP
11. VOLUME UP and DOWN
This button is to control the Volume output to connected wired Headphones only.
12. POWER Button
Press this button to turn the unit ON and OFF.

HR8A QUICK START GUIDE

1. Press the Power button on the top of the front panel or on the Remote Control. The power indicator will be dimly lit.
2. Tilt the Screen to a comfortable viewing position. The screen has a built-in stop. Do not force it past this stop, otherwise damage will occur.
3. Each wireless IR headphone has an “A-B” switch used to select the audio from either the “M1” or “M2” monitor. When sitting in front of the M1 screen, use the CH A setting. When sitting in front of the M2 screen, use the CH B setting.
   • Set the headphone to the proper channel and press the Power On/Off button to turn the headphones ON. The power indicator will light up red.
   NOTE: Turn the volume down to its lowest setting before putting the headphones on.
4. If audio playback through the vehicle radio is preferred, use the FM transmitter ON/OFF button on the Remote Control. Set the vehicle radio to the channel selected on the M1 monitor. If interference with a local radio station occurs, set the FM modulator to one of the other 100 radio frequencies using the Channel Select button on the Remote Control or front panel.
   NOTE: To operate the M1 screen, press M1 button on the Remote Control. To operate the M2 screen, press the M2 button on the Remote Control.
5. To turn OFF either the M1 or M2 monitor, press and hold the Power ON/OFF button for 5 seconds.
6. For ANDROID user instructions, see pages 38 through 41.

Warnings

• Do not use any solvents or abrasive cleaning materials when cleaning the screen. Use only a lightly dampened lint free cloth to wipe the screen if it is dirty.
• Lock the front panel in the fully closed position when not in use. Do not put pressure on the screen, caution children to avoid touching or scratching the screen.
HR8A SYSTEM SETUP MENUS
MAIN MENU - System Sources and Settings

The MAIN MENU is used to access and change the AV source between USB, ANDROID, SD Card, AV/DTV, HDMI/MHL, M1/M2, AUX and GAME (Optional). SETTINGS is also accessed through the MAIN MENU. There are three ways to access the MAIN MENU screen (Figure 33):

- In ANDROID, USB or SD Card mode touch the SOURCE (S) icon on the bottom touch screen control bar.
- In AV/DTV, HDMI/MHL, AUX, GAME and M1/M2 mode tap the screen twice to access the top Touch Screen control bar then touch the HOME (H) icon.
- From the Remote Control press the SOURCE button (Figure 35).

SETTINGS

The SYSTEM MENU (Figure 34) allows the user to personalize the HR8A Rear Seat Video Headrest System settings. The SYSTEM MENU is used in the initial setup to adjust the picture quality and customize adjustable functions. Once the initial settings are customized, they will remain the same until modified or reset to the factory default settings. There are three ways to access the SYSTEM MENU:

- From all sources touch the SETTINGS (S) icon in the MAIN MENU.
- In AV/DTV, HDMI/MHL, AUX, GAME and M1/M2 mode tap the screen twice to access the top Touch Screen control bar then touch the SETTINGS (S) icon.
- From the Remote Control press the SYSTEM MENU button (Figure 35).

The following describes how to adjust and set settings using the five setup screens:

Using the System Menu

Navigating and selecting available settings in the SYSTEM MENU is accomplished using the Remote Control buttons (Figure 35) or by using the touch screen controls. Follow the steps outlined in the system Sub-Menus section to select and customize each of the five adjustable Sub-Menu functions (PICTURE, WFMM, LANGUAGE, DEFAULT Android and IR TRANSMITTER).

NOTE: The SYSTEM MENU will disappear if no adjustments are made within 6 seconds.
HR8A SYSTEM SETUP SUB-MENUS

SYSTEM SUB-MENUS

1. Press the SYSTEM MENU button on the Remote Control (Figure 35) or touch the SETTINGS ( ) icon to display the SYSTEM MENU.

2. Use the UP, DOWN, LEFT and RIGHT direction buttons to select and enter the desired SYSTEM SUB-MENU:
   • PICTURE
   • WFMM (Only M1 Mode)
   • LANGUAGE
   • DEFAULT Android
   • IR TRANSMITTER

NOTE: Selected items in the SYSTEM MENU and the Sub-Menus will be highlighted in orange.

3. Use the UP, DOWN, LEFT and RIGHT direction buttons to adjust or select an item in the Sub-Menu screen and then press the OK button on the Remote Control (Figure 35).

4. Touch the Home icon on the screen to return to the MAIN Menu and save the setting.

NOTE: The system will exit the SYSTEM MENU screen or the SYSTEM SUB-MENU screens and return to the MAIN MENU after 6 seconds if no selection is made.

PICTURE CONTROL from the Remote Control:

1. Select “M1” or “M2” on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter PICTURE CONTROL (Figure 36).
3. Use the UP/DOWN direction buttons to select one of the five selections in the Sub-Menu (Brightness, Contrast, Color, Tint and Reset).
4. Use the LEFT and RIGHT direction buttons, adjust the level of the picture setting chosen.

NOTE: Levels are set from “0” to “32” for Brightness, Contrast and Color. The level for Tint is set from “-16” to “+16”. No Tint Control in PAL Mode.

5. Select Reset to return the picture setting control back to factory defaults.

HR8A Picture Control Menus

Figure 36

PICTURE CONTROL from the Touch Screen (M1 and M2):

1. Touch the SETTINGS ( ) icon to display the SYSTEM MENU
2. Touch PICTURE to select BRIGHTNESS, CONTRAST, COLOR or TINT to adjust the level of the picture setting chosen. (Figure 36)

NOTE: Levels are set from “0” to “32” for Brightness, Contrast and Color. The level for Tint is set from “-16” to “+16”. No Tint Control in PAL Mode.
HR8A SYSTEM SETUP SUB-MENUS (continued)

FM CHANNEL

Selecting the FM Channel from the Touch Screen:
1. Touch the SOURCE (S) icon to show the MAIN Menu.
2. Touch the SETTINGS (qrst) icon to enter the system setup sub-menu.
3. Touch the desired FM frequency. When a channel/frequency is selected, the Wireless FM Modulator screen will display the selected channel/frequency.
   NOTE: The WFMM menu is only available on the “M1” monitor.
4. Touch the Home icon on the screen to return to the SOURCE Menu and save the setting.

Selecting the FM Channel from the Remote Control:
1. Select “M1” on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter SYSTEM MENU.
3. Use the UP and DOWN direction buttons to select WFMM (Wireless FM Modulator) and press the OK button to enter the Wireless FM Modulator sub-menu. (Figure 37)
4. Use the UP, DOWN, LEFT and RIGHT direction buttons to select the best channel/frequency from a five page list of one hundred frequencies then press the MENU/SELECT button to enter selection.
   NOTE: When a channel/frequency is selected, the Wireless FM Modulator screen will display the selected channel/frequency.

WIRELESS FM MODULATOR ON/OFF Direct Access Button on the Remote Control:
Press the FMM ON or OFF button on the Remote Control (Figure 38) to turn the Wireless FM Modulator ON or OFF.

When ON is selected, the channel/frequency the system is displayed on the lower left-hand side of the main screen.
When OFF is selected, FMM OFF will be displayed on the lower left-side of the main screen.

LANGUAGE

LANGUAGE from the Touch Screen:
1. Touch the SETTINGS (qrst) icon to display the SYSTEM MENU.
2. Touch LANGUAGE to enter the Language menu and to select the desired language. (Figure 39)
3. Touch the Home icon on the screen to return to the SOURCE Menu and save the setting.

LANGUAGE from the Remote Control:
1. Select “M1” or “M2” on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter the SYSTEM MENU.
3. Use the UP and DOWN direction buttons to select Language and press the OK button to enter the Language sub-menu. (Figure 39)
4. Use the UP and DOWN direction buttons to select the desired language then press the OK button to save the setting.
HR8A SYSTEM SETUP MENUS (continued)

DEFAULT ANDROID ON/OFF

IR Transmitter ON/OFF from the Touch Screen:
1. Touch the HOME icon on the screen to show the Source Menu.
2. Touch SETTINGS to enter the system setup sub-menu.
3. Touch IR TRANSMITTER to select ON or OFF. (Figure 41)
4. Touch the Home icon on the screen to return to the MAIN Menu and save the setting. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.

IR Transmitter ON/OFF from the Remote Control:
1. Select “M1” or “M2” on the Remote Control.
2. Press the IRT ON/OFF button to enter the Sub-menu.
3. Use the UP and DOWN direction buttons to highlight ON or OFF and press the OK button to enter selection. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.
   Or
1. Select “M1” or “M2” on the Remote Control.
2. Press the SYSTEM MENU or PIX button to enter SYSTEM MENU.
3. Use the UP and DOWN direction buttons to highlight IR TRANSMITTER and press the OK button to enter the sub-menu. (Figure 41)
4. Use the UP and DOWN direction buttons to highlight ON or OFF and press the OK button to enter selection. When ON is selected, IRT ON will be displayed on the SYSTEM MENU screen. When OFF is selected, IRT OFF will be displayed on the SYSTEM MENU screen.
REMOTE CONTROL OPERATION

Figure 42
REMOTE CONTROL OPERATION (continued)

1. **POWER (✓)**
   Press this button to turn the system ON and OFF. (Figure 42)

2. **SOURCE (SRC)**
   Press this button to display the MAIN MENU. Use the UP/DOWN/LEFT/RIGHT Arrow buttons to highlight a source then press OK to select. (Figure 42)

3. **Monitor Select (M1 and M2)**
   Press this button to select a monitor to control. (Figure 42)
   - M1: Press to control the M1 monitor.
   - M2: Press to control the M2 monitor.

4. **SCAN BACKWARD (oubted) (HR8D and HR8AD Only)**
   Press this button to search in the backward direction. Press this button repeatedly to change the search speed from 2, 4, 8, and 16 times the normal speed. (Figure 42)

5. **SCAN FORWARD Button (HR8D and HR8AD Only)**
   Press this button to search in the forward direction. Press this button repeatedly to change the search speed from 2, 4, 8, and 16 times the normal speed. (Figure 42)

6. **TV**
   Refer to Item 12.

7. **PREVIOUS (HR8D and HR8AD Only)**
   When a disc has more than one Chapter, Track, or File, you can move to another Chapter/Track/File. Press this button briefly during play to skip back to the previous Chapter for DVD-video or Track/File for MP3, CD, etc. (Figure 42)

8. **NEXT (HR8D and HR8AD Only)**
   When a disc has more than one Chapter, Track, or File, you can move to another Chapter/Track/File. Press this button briefly during play to skip forward to the next Chapter for DVD-video or Track/File for MP3, CD, etc. (Figure 42)

9. **PLAY (HR8D and HR8AD Only)**
   Press this button to initiate play mode when a disc is loaded in the disc compartment. (Figure 42)

10. **SYSTEM MENU**
    This button is used to make system setup adjustments. (Figure 42)

11. **UP/DOWN/LEFT/RIGHT Arrows**
    Use these buttons to navigate the menu selections on the screen. (Figure 42)

12. **DISPLAY**
    Press the TV button (6) and the DISPLAY button (12) to show monitor status, modulator status, IR Transmitter status, M1/M2 ID, Source status.

**HR8D and HR8AD Only:**

**NOTE:** When the TV button is pressed the Remote Control will not control DVD functions until the DVD button is pressed again.

Press the DVD button (31) and the DISPLAY button (12) to show current disc information while the disc is playing.

In DVD mode, press the DVD button (31) and the DISPLAY button (12) to show current disc information. Press once to show the Title/Chapter/Play Time information. Press a second time to show the OSD Subtitle/Audio Language. Press a third time to show the Title/Chapter/Time status remaining.

Press the DVD button (31) and hold the DISPLAY button (12) for 3 seconds to enter the GO TO mode (change the Disc Title, Disc Chapter, and Play Time). Press the LEFT or RIGHT button to select the Title, Chapter or Play Time. Use the numeric buttons to enter the desired Title/Chapter/Play Time selection. (Figure 42)

13. **ENTER (OK)**
    Press this button to make an OSD selection. (Figure 42)

14. **SETUP**
    Please refer to the following pages to configure the system: General Setup Page, Audio Setup Page, Preference Page, and Password Setup Page. (Figure 42)

15. **REPEAT (HR8D and HR8AD Only)**
    Press this button to switch the repeat mode options of CHAPTER, TITLE, ALL and cancel while playing DVD-video. Other disc types such as CD have two repeat modes that can be selected: TRACK and ALL. (Figure 42)

16. **A-B REPEAT (HR8D and HR8AD Only)**
    Allows user to repeat the playback from point A to point B of a DVD. Press the A-B button once to select a starting point (A) and again to select an end point (B). The DVD will only play the selection from point A to point B. Press the A-B button again to cancel selection and return to normal playback of the DVD. (Figure 42)
Figure 43
REMOTE CONTROL OPERATION (continued)

17. SUB-T (DVD MODE ONLY)  
   (HR8D and HR8AD Only)  
   If the DVD playing has different subtitle options, press this button to display and select the desired available subtitle language. (Figure 43)  
   NOTE: The subtitle selections vary from disc to disc.

18. ZOOM (HR8D and HR8AD Only)  
   Press this button to enlarge the picture when playing a DVD disc. Press repeatedly to change the zoom from 2x, 3x, 4x, 1/2, 1/3, 1/4 and OFF. (Figure 43)

19. AUDIO (DVD MODE ONLY)  
   (HR8D and HR8AD Only)  
   Press this button to display and select the available AUDIO languages. Each time you press the button, the audio language changes. (Figure 43)  
   NOTE: The audio languages vary from disc to disc.

20. NUMBERS (Figure 43)  
   • Allows the user to change the parental controls.  
   • Allows the user to select tracks on a disc during playback. (HR8D and HR8AD Only)

21. FM Modulator Channel Select (C)  
   (M1 Monitor only)  
   Not applicable on these models. (Figure 43)

22. FMM ON/OFF ( • ) (M1 Monitor only)  
   This button is used to turn the wireless FM Modulator ON and OFF. (Figure 43)

23. IRT ON/OFF  
   This button is used to turn the Infrared Transmitter ON and OFF for the Wireless IR Headphones. Pressing M1 then the IRT ON/OFF button will control the IR Transmitter for M1. Pressing M2 then the IRT ON/OFF button will control the IR Transmitter for M2. (Figure 43)

24. PIX  
   This button is used to make picture adjustments. Use the UP or DOWN direction buttons to select BRIGHTNESS, CONTRAST, COLOR, TINT, or RESET. Use the UP or DOWN buttons to adjust the setting. The OSD will automatically disappear if no adjustments are made within 6 seconds. (Figure 43)

25. VOLUME DOWN ( • ) or UP ( + )  
   (HR8A and HR8AD Only)  
   Press these buttons to control the volume level. (Figure 43)

26. MUTE ( • )  
   Press this button to mute the sound transmitted to the headphones and the FM Modulator. “MUTE” will be displayed on the screen. Pressing the button again restores sound to the previously set level. (Figure 43)

27. DISC MENU (HR8D and HR8AD Only)  
   This button acts as a compound button that calls the RETURN or DISC MENU function. Short press the DISC MENU button to enter RETURN mode and go back to the DVD Menu while the disc is playing. Press PLAY to return to the Title/Chapter. Long press the DISC MENU button to access the menu of the DVD playing. Press PLAY to start at the beginning of the disc. (Figure 43)  
   NOTE: These buttons can be used with the PIX button for adjusting the picture controls.

28. STOP ( ■ ) (HR8D and HR8AD Only)  
   Press this button to stop playback of disc. (Figure 43)

29. PAUSE ( ■ ) (HR8D and HR8AD Only)  
   Press this button to pause the playback of a disc. Pressing pause again or pressing the Play button will resume normal playback. (Figure 43)

30. DVD Source  
   Not applicable on these models. (Figure 43)

31. DVD Mode Select  
   (HR8D and HR8AD Only)  
   Press this button to control DVD functions. (Figure 43)

32. EJECT ( • ) (HR8D and HR8AD Only)  
   Press this button to eject the disc from the disc slot. (Figure 43)
The DVD System setup mode allows the user to select television standard which corresponds to your TV. (Figure 44)

- NTSC - Select this TV type for NTSC TV
- PAL - Select this TV type for PAL TV
- AUTO - Select this TV type if the connected screen is multi-system. The output format of the video signal will be in accordance with the video signal of the disc.

**Screen Saver**

The Screen Saver setup mode allows the user to turn the screen saver ON or OFF. (Figure 45)

- ON - Screen saver will appear
- OFF - Screen saver will not appear

**NOTE:** The DVD player will enter Screen Saver mode if the unit is inactive for approximately 2 minutes.
HR8D/HR8AD DVD SETTINGS AND ADJUSTMENTS (continued)

TV TYPE
The TV TYPE setup allows the user to set the screen aspect ratio. (Figure 46)

4:3 PS (Pan Scan)
The left and right sides of the screen are cut off and displays the central portion of the 16:9 screen.

4:3 LB (Letter Box)
Displays the content of the DVD title in 16:9 aspect ratio. The black bars will appear at the top and bottom of the screen.

16:9
Displays a wide picture with black bands on the upper and lower portion of the screen. The bandwidth will vary, depending on the aspect ratio of the disc.

PASSWORD
NOTE: The Default Password is 3308.
The default password is always accepted even after a new password has been entered. To avoid the possibility of others using the default password to set the parental level and change the password, record this default password in another area and delete it from this manual. (Figure 47 and Figure 48)
The restriction of viewing disc content by younger users may be available on some discs but not on others.

RATING SETUP
Figure 49

For the first time setting the parental control rating, key in the default password (3308) and press OK to unlock the parental control rating. Press the cursor button to move the highlight to the parental level sub-menu. Press to select the desired level of parental control and press OK. (Figure 49)

To change the password to your own password, select the Password setting and press OK and Key in a new four digit password, press OK to lock the parental control rating setting.

NOTE: The rating level can only be changed when the correct password is entered on the password setting.

DEFAULT - RESTORE
The DEFAULT - RESTORE feature allows you to restore all options to factory settings. (Figure 50)

Password setup (Locked)
Figure 47

Password Setup (Unlocked)
Figure 48
HR8D/HR8AD DVD SETTINGS AND ADJUSTMENTS (continued)

LANGUAGE SETUP

OSD LANGUAGE
The OSD LANGUAGE setup option page allows the user to select the language for the OSD. The user can either select ENGLISH, FRENCH, SPANISH, GERMAN, or ITALIAN for the OSD language. (Figure 51)

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<th>LANGUAGE SETUP</th>
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<td>OSD LANGUAGE</td>
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</tbody>
</table>

OSD Language Setup
Figure 51

AUDIO LANGUAGE
The AUDIO LANG setup option page allows the user to select the audio language (ENGLISH, FRENCH, SPANISH, GERMAN, ITALIAN, CHINESE, JAPANESE or THAI). (Figure 52)

NOTE: The audio selection is only available for discs that are recorded in the above listed languages. If the selected language is not available, the player will play and display on the screen the original language contained in the disc.

<table>
<thead>
<tr>
<th>LANGUAGE SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSD LANGUAGE</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Audio Language Setup
Figure 52

SUBTITLE LANGUAGE
The SUBTITLE LANG setup option page allows the user to select the language for the subtitles. The user can either select ENGLISH, FRENCH, SPANISH, GERMAN, ITALIAN, CHINESE, THAI (or OFF) to be displayed on the screen during playback of a disc. (Figure 53)

NOTE: The subtitle selection is only available for discs that are recorded in the above listed languages. If the selected language is not available, the player will play and display on the screen the original language contained in the disc.

<table>
<thead>
<tr>
<th>LANGUAGE SETUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSD LANGUAGE</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Subtitle Language Setup
Figure 53
DISC BASICS
To get the optimum use out of the DVD player, make sure you read this section completely.

Types of Discs the HR8D/HR8AD Will Play
- DVD-Video: DVD containing video.
- Audio disc - CD-DA containing musical or sound content only.
- MP3 disc - A disc that contains audio files (for example, a CD-R with downloaded MP3 files).
- CD-Video: CD contains video only.
- CD-R/RW: CD contains audio files (for example, a CD-R with downloaded MP3 files), MPEG, or JPEG files.

NOTE: This system is capable of playing most recordable DVD formats. However, due to the variety of disc manufacturers and software, playback cannot be guaranteed.

NOTE: The following discs will NOT play in the HR8D/HR8AD: Optical disc: CD-I, CD-ROM, and DVD-ROM Mini disc: CDG (audio only, not graphics), Blu-ray.

Loading and Playing Discs
Before loading a disc, make sure that it is compatible with the player. Insert the disc with the disc label facing the user.

1. Press the POWER button to turn the system ON.
2. Select DVD mode using the front panel Source (S) button, Source icon on the Touch Screen or the SOURCE button on the Remote Control
3. Insert the disc (label facing user) into the disc slot. Push down gently on the disc and the player will pull the disc in and begin to play.

NOTE: Some discs may start at the root menu, where play must be selected to start movie.

NOTE on Discs
- Do not touch the disc surface. Handle the disc by the edge.
- It is important that discs are clean prior to use.
- If disc is not clean, use a commercially available cleaning cloth to gently wipe the disc from the center out. (Figure 54)

Figure 54

NOTE: Do not use solvents such as benzene, thinner, cleaners, or antistatic spray intended for analog discs.

- Keep discs protected in their cases or disc magazines when not in use. Do not subject discs to heat or high temperature. Avoid leaving discs in a parked vehicle or on a dashboard or rear tray.
- Do not use discs that have aftermarket paper or plastic labels or stickers attached. The following malfunctions may result from using such discs:
  - Inability to eject a disc (due to a label or sticker peeling off and jamming the eject mechanism).
  - Inability to read audio data correctly (i.e. playback skipping, or no playback) due to heat shrinking of a sticker or label causing a disc to warp.
- Use only standard, round discs. If you insert irregular, non-round, shaped discs they may jam in the DVD player or not play properly.
HR8D/HR8AD DVD REGION CODES

The DVD player is preset to a region code at the factory depending on where the DVD player is sold (Figure 55). The HR8D/HR8AD region code is set to Region 1. All DVD discs are coded by region. These region codes must match in order for the DVD to play. If the codes do not match, the DVD will not play. Playback of a disc from any other region will not work in the HR8D/HR8AD and the unit will display "WRONG REGION".

Region 1 - USA, Canada
Region 2 - Japan, Europe, South Africa, Middle East, Greenland
Region 3 - S. Korea, Taiwan, Hong Kong, Parts of South East Asia
Region 4 - Australia, New Zealand, Latin America (including Mexico)
Region 5 - Eastern Europe, Russia, India, Africa
Region 6 - China
HR8D/HR8AD/HR8A USB & MICRO SD MODE

Playing USB Memory Devices (HR8D)

Press the SOURCE button on the Remote Control or the Source (S)* button on the unit to select the device source of input signal from DVD or USB memory device. Use the (Up/Down/Left/Right) direction buttons on the remote control or on the front panel to select content to be played. Press the OK button on the remote control or the enter button on the front panel to start playing the content.

The file types supported with the USB input for the HR8D are limited to MPEG1, MPEG2, MP3 and JPEG files.

Playing USB and Micro SD memory devices (HR8AD/HR8A)

1. Insert a USB device or micro SD card.
2. If in DVD mode, use the Source* button to switch to the USB or SD input. (The unit will switch to Android mode, use the file browser to access the device or use a video player to play movies).
3. Use the touch screen to navigate the USB device or micro SD card.

The file types supported on the USB and micro SD inputs are limited to MPEG1, MPEG4, XVID, H.263, H.264 RMVB, MP3 and JPEG.

* Source (S) button on the front panel of the HR8D or Source (S) button on the touch screen control bar of the HR8AD and HR8A.
Connecting to Wi-Fi®

Connecting to Wi-Fi in a vehicle requires a Wi-Fi hot spot. This may be available at a local business, home driveway or is available with some cell phone plans. Consult your cell phone manual or contact your provider to find out how to use your phone as a hotspot. Data charges will apply. Streaming video such as Netflix or other streaming content providers can consume large amounts of data. Streaming content in a moving vehicle may result in buffering of the video which is dependent on the cell phone network signal strength. App downloads and updates can be done when connected to your home network or when connected to an available hot spot.

To connect the HR8AD and HR8A to the Internet via Wi-Fi®:

1. Tap the Wi-Fi Settings icon.
2. Highlight Wi-Fi in the Settings menu.
3. Touch and slide the ON/OFF Wi-Fi switch to ON to view available networks. (Figure 58)
4. Select an available Wi-Fi network to connect to the Internet. A secured network will require a password to be entered. Enter the password if required. (Figure 59)

5. Tap the Connect button.

NOTE: If the HR8AD or HR8A is being used in a vehicle with a cell phone hot spot to access the Internet, data charges may apply.

NAVIGATING THE HOME SCREEN

The Home screen consists of five panels (the home panel, plus four additional panels). These panels extend beyond the display panel width to provide more space for adding shortcuts, widgets, and folders. To access these panels slide your finger horizontally across the Home screen to scroll to the left or right side panels. (Figure 60)
CUSTOMIZING THE HOME SCREEN

Adding Apps or Widgets
Apps and widgets can be added to the Home screen to customize your personal uses and preferences.

To add an app or widget to the Home screen:
1. Tap the **App Drawer** icon in the lower portion of the screen. (Figure 63)

2. To make an app or widget available for quick access on the Home screen touch and hold the desired icon for three seconds, when the Home screen appears in the background release the icon. (Figure 64)

Moving Apps or Widgets on the Home screen:
Apps and widgets can be moved and relocated anywhere on the Home screen or additional panels to best suit your personal uses and preferences. (Figure 65)

1. Touch and hold an app or widget icon on the Home screen for three seconds.
2. Drag the icon in any direction. The icon can be placed anywhere on the screen or moved to an adjacent screen.
3. Release the icon when it is in the desired location.

Removing Apps or Widgets from the Home screen:
Apps and widgets can be removed from the Home screen or additional panels to best suit your personal uses and preferences. (Figure 66)

1. Touch and hold an app or widget icon on the Home screen for three seconds. (Figure 66)
HR8AD/HR8A ANDROID MODE (continued)

4. From there, select the desired language, spell check, Text-to-speech controls, and mouse pointer speed. (Figure 70)

To access the full English language Audiovox HR8AD and HR8A Android™ User Manual, please visit www.voxxelectronics.com

Language Selection

To access the Language and Input Controls:
1. Tap the App Drawer ( ) icon in the lower left hand corner of the screen. (Figure 63)
2. Select the Settings Menu app. (Figure 68)
3. Scroll down the settings options. Select Language & input. (Figure 69)
AV INPUTS, OUTPUTS, HDMI/MHL AND USB PORT

INFORMATION

AV INPUTS, AV OUTPUTS

AV/DTV Inputs

An external video source, video game system, or other audio/video devices can be connected to the AV input. This AV input connection is normally performed when the unit is installed. Turn the video source component on with its power button or Remote Control and it is now ready to play the audio and video signals from the source connected to the AV input.

AUX (HR8AD and HR8A only)

This input (yellow jack located behind the right jack cover) allows a video device with composite cable to play on the screen when connected. **NOTE:** Requires optional adapter, P/N 112-3227. Contact VOXX Electronics at 1-800-225-6074.

Audio/Video Output

The audio/video output will provide the audio/video signal from the M1 unit. This output connection is normally performed when the unit is installed and is connected to an AUX input on the vehicle radio. This allows listening to audio from the M1 monitor on the vehicle radio.

HDMI (HDMI/MHL)

Input located on the front of the unit

This input can be used for devices with HDMI or MHL output ports (such as smartphones, tablets, HDMI/MHL devices) and may require the purchase of an HDMI cable and HDMI adapter which is available from your device manufacturer. Each device has unique requirements, please consult with your device or smartphone manufacturer to determine which type of output your device supports.

**NOTE:** Some adapters can be powered from the USB port on the front panel of the unit. Powering the adapter will charge the smartphone when using the smartphone as a media source.

Smartphones and Tablets

For Apple products, go to the Apple Store or enter the following link into your web browser to find the adapter required for your device. Different models require different adapters. 

*http://support.apple.com/kb/ht4108*

See the following links for other smartphone and tablet manufacturers:

- Samsung Multimedia adapter:
  *http://www.samsung.com/us/mobile/cell-phones-accessories/multimedia-adapters*

  **NOTE:** Some Samsung smartphones may require an additional 5-pin micro USB to 11-pin micro USB adapter in addition to the multimedia adapter.

For other smartphone makes and models check with your device service provider to find an adapter that will work with your device.

**www.amazon.com** is a good source for finding an adapter that will work with your smartphone.

HDMI devices **:

- Amazon Fire Stick streaming device:
  *www.amazon.com* and search for Fire Stick

- Chromecast media streaming device:
  *www.google.com* and search for Chromecast

- Roku HDMI streaming device:
  *http://www.roku.com/products/compare

MHL devices **:

- Roku MHL streaming stick:
  *http://www.roku.com/roku-ready/models*

**NOTES:**

* Web links can change over time; if the above links do not function go to your device manufacturer’s or smartphone service provider’s web site for more information.

** These devices require connection to Wi-Fi or a hotspot in order to stream video content from providers such as Netflix, Hulu, Crackle, etc.

**WARNING:** Streaming video can consume large amounts of data when a smartphone is used as a hotspot. Data rates may apply. See your mobile phone service provider for details.

**NOTE:** Go to: **www.voxxelectronics.com** for more information on available adapters.
USB Port
The USB port provides two functions:

1. Media port for USB thumb drives:

2. Phone/Tablet charging:
   a.) HR8D, HR8AD and HR8A
       • The USB port will not charge a portable device when the unit is turned OFF.
   b.) HR8D Only
       • When a DVD is playing, the USB port can be used for charging a portable device, but it will be limited to 1 Amp of charging current.
       • When the unit is not in DVD mode or USB mode, the USB port can be used for charging a portable device with up to 2 Amps of charging current.
   c.) HR8AD and HR8A Only
       • When the unit is not in USB, Micro SD or Android mode, the USB port can be used for charging a portable device with up to 2 Amps of charging current.
GAME CONTROLLER OPERATION
The Game feature on the 8" Rear Seat Video Headrest System is an optional feature. See your installer to add the optional Game package.

Battery Installation

1. Turn the game controller face down.
2. Using a Phillips head screwdriver, remove the cover screw.
3. Use your finger to lift the battery cover tab and remove the cover.
4. Install three "AAA" batteries. Make sure that proper polarity (+ or -) is observed.
5. Align the cover tab with the game controller and press down on the cover tab until the cover locks.
6. Reinstall the cover screw.

CAUTION:
The Game Controller will go into sleep mode after 3 minutes if no buttons are pressed. Do not store the game controller in a seat pocket where the buttons may be inadvertently pressed.

Functional Description

1. Use the START button to enter the games list (1-54). Use the direction buttons to move the arrow to the desired game. Press the START button to select the game. Use the SELECT button to exit to the game list.
2. A Key: "A Function Key" activates the jump function and optional weapons.
3. B Key: "B Function Key" activates the fire and attack functions.
4. TA Key: TURBO "A" Function Key.
5. TB Key: TURBO "B" Function Key.
6. BACK Key: The back key is used to return to the previous page. While playing a game pressing the back key will return to the game list. Pressing the back key again will return to the games main page "54 Arcade Games".
7. Press the START button to begin the game. Press the START button again at any time to pause the game.

NOTE: The LED power indicator will light only when a game controller key is pressed.
GAME CONTROLLER OPERATION (continued)

There are 54 single player games in the games list to choose from and six games are for two players.

**One-Player**
The games can be selected from either the M1 monitor or the M2 monitor. Whichever viewer selects the game source becomes Player 1 (and uses the P1 controller).

**Two-Players**
When there are two players, the first user to select the game source uses the P1 controller. Player 2 uses the P2 controller. The P1 controller is used for game selection. P2 controller can select a game but the game can only be started by pressing the START button on P1 controller.
# Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>System does not power &quot;ON&quot;</td>
<td>• Is the ignition turned &quot;ON&quot;?</td>
</tr>
<tr>
<td></td>
<td>• Is the battery installed in Remote Control?</td>
</tr>
<tr>
<td>IR Remote inoperative</td>
<td>• Verify that the battery in the Remote Control is good.</td>
</tr>
<tr>
<td></td>
<td>• Verify that the proper battery polarity (+ or -) is observed (+ side facing up).</td>
</tr>
<tr>
<td></td>
<td>• Verify that the remote sensor eye is not obstructed.</td>
</tr>
<tr>
<td></td>
<td>• Verify that the M1 or M2 button has been selected correctly.</td>
</tr>
<tr>
<td>Disc won’t play</td>
<td>• Insert a disc with label side facing toward user.</td>
</tr>
<tr>
<td></td>
<td>• Check if the disc is defective by trying another disc.</td>
</tr>
<tr>
<td></td>
<td>• Check the type of disc you put into DVD slot. The DVD player only plays DVDs, audio CDs, and MP3s. It will not play a Blu-ray disc.</td>
</tr>
<tr>
<td></td>
<td>• Both the DVD player and the disc are coded by region. If the regional codes don’t match, the disc cannot be played.</td>
</tr>
<tr>
<td>Disc plays, but then stops immediately</td>
<td>• The disc is dirty and needs cleaning.</td>
</tr>
<tr>
<td></td>
<td>• Condensation has formed. Allow the player to dry out.</td>
</tr>
<tr>
<td></td>
<td>• The disc is scratched. Replace the disc.</td>
</tr>
<tr>
<td>No picture</td>
<td>• Check that you are in DVD mode if playing a DVD.</td>
</tr>
<tr>
<td>Cannot advance through a movie</td>
<td>• You cannot advance through the opening credits and warning information that appears at the beginning of movies because the disc is programmed to prohibit that action.</td>
</tr>
<tr>
<td>No sound or distorted sound</td>
<td>• If you are using the IR headphones, make sure you turn ON the IR transmitter on the DVD system.</td>
</tr>
<tr>
<td></td>
<td>• Verify that the batteries in the IR Headphones are good.</td>
</tr>
<tr>
<td></td>
<td>• Is volume turned &quot;UP&quot; on the IR Headphones?</td>
</tr>
<tr>
<td></td>
<td>• Is anything blocking signal between the monitor and the headphones?</td>
</tr>
<tr>
<td></td>
<td>• Make sure the headphones are set to the proper channel: CH.A for M1 Monitor CH.B for M2 monitor</td>
</tr>
<tr>
<td></td>
<td>• Make sure the FM modulator is on and the radio is tuned to the same frequency.</td>
</tr>
<tr>
<td>Device feels warm</td>
<td>• When the monitor is in use for a long period of time, the surface will be heated. This is normal.</td>
</tr>
<tr>
<td>Player does not respond to all commands during playback</td>
<td>• Operations are not permitted by the disc.</td>
</tr>
<tr>
<td></td>
<td>• Refer to the instructions in the disc inlay.</td>
</tr>
</tbody>
</table>
### Troubleshooting (continued)

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Picture is distorted. (DVD Mode)</td>
<td>• Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge.</td>
</tr>
<tr>
<td></td>
<td>• The disc might be damaged, try another disc.</td>
</tr>
<tr>
<td></td>
<td>• It is normal for some distortion to appear during forward or reverse scan.</td>
</tr>
<tr>
<td>No forward or reverse scan.</td>
<td>• Some discs have sections that prohibit rapid scanning or title and chapter skip.</td>
</tr>
<tr>
<td></td>
<td>• If you try to skip through the warning information and credits at the beginning of a movie, you won't be able to. This part of the movie is often programmed to prohibit skipping through it.</td>
</tr>
<tr>
<td>HDMI/MHL input not working for the HDMI/MHL enabled device.</td>
<td>• May require a special HDMI/MHL adapter. Contact your HDMI/MHL device supplier for the adapter.</td>
</tr>
<tr>
<td></td>
<td>• Some devices may need to boot up before showing picture.</td>
</tr>
<tr>
<td>Game source does not work</td>
<td>• The Game source can not be selected (grayed out) if the MVGP1 Game Module is not installed. Make sure the MVGP1 Game Module is installed and plugged in.</td>
</tr>
<tr>
<td>NO SIGNAL displayed on screen</td>
<td>• No source plugged into the A/V, AUX, MEDIA or HDMI input.</td>
</tr>
<tr>
<td></td>
<td>• Some devices may need to boot up before showing picture.</td>
</tr>
<tr>
<td>Unable to connect to Netflix®, YouTube®, Amazon® or other streaming video source</td>
<td>• Unit must be connected to a Wi-Fi hotspot which must be connected to a 3G/4G signal. Check Settings in Android mode to see if the unit is connected to Wi-Fi.</td>
</tr>
<tr>
<td></td>
<td>If using a smartphone as a Wi-Fi hotspot make sure you are in a coverage area of your cell phone provider.</td>
</tr>
<tr>
<td>Streaming video from Netflix®, YouTube®, Amazon® etc. is choppy or stops playing for periods of time</td>
<td>• Streaming video requires a good 3G/4G connection. 3G/4G connections in a moving vehicle can vary in signal strength depending on distance from cell tower, terrain and availability of 3G/4G signal.</td>
</tr>
<tr>
<td>Audio, Image or Video files on micro SD card or USB thumb drive will not play</td>
<td>• Verify that the file type is MPEG1, MPEG4, XVID, H.263, H.264, RMVB, MP3 or JPEG.</td>
</tr>
<tr>
<td></td>
<td>Some video file burning software may not be compatible with the Android operating system.</td>
</tr>
</tbody>
</table>
## SPECIFICATIONS

### Monitor Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>TFT Active Matrix LCD</td>
</tr>
<tr>
<td>Resolution</td>
<td>800 (W) x 480 (H)</td>
</tr>
<tr>
<td>Pixels</td>
<td>1,152,000</td>
</tr>
<tr>
<td>Back Light</td>
<td>LED</td>
</tr>
<tr>
<td>Power Source</td>
<td>+12 VDC</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>36W</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32°F ~ 125°F (0°C ~ +55°C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-22°F ~ 150°F (-20°C ~ +70°C)</td>
</tr>
<tr>
<td>Video Display System</td>
<td>NTSC/PAL</td>
</tr>
<tr>
<td>Back Light Life</td>
<td>20,000 hours</td>
</tr>
</tbody>
</table>

### HR8AD and HR8A Android Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS</td>
<td>4.2.2</td>
</tr>
<tr>
<td>Processor</td>
<td>Dual Core A9 @ 1.5GHz</td>
</tr>
<tr>
<td>GPU</td>
<td>Quad Core</td>
</tr>
<tr>
<td>RAM</td>
<td>1G DDR3</td>
</tr>
<tr>
<td>Internal Memory</td>
<td>8GB</td>
</tr>
<tr>
<td>External Memory</td>
<td>Supported TF Card up to 32GB</td>
</tr>
<tr>
<td>Camera</td>
<td>0.3MP</td>
</tr>
<tr>
<td>Built-in Microphone</td>
<td>Inside the IR Lens</td>
</tr>
<tr>
<td>Wi-Fi</td>
<td>802.11 b/n/g</td>
</tr>
<tr>
<td>Bluetooth</td>
<td>2.0</td>
</tr>
<tr>
<td>Adobe Flash</td>
<td>11</td>
</tr>
<tr>
<td>Images</td>
<td>JPG, JPEG, BMP, GIF, PNG, TIF</td>
</tr>
<tr>
<td>Audio</td>
<td>MP2, MP3, WMA, WAV, OGG, OGA, FLAC, ALAC, APE, AAC, M4A, AAC-HE (AAC+), AMR-NB, AMR-WB.</td>
</tr>
<tr>
<td>Video</td>
<td>MPEG-1, MPEG-2, MPEG-4 ASP, DivX 3, DivX 4, DivX 5, XviD, H.263, AVC/H.264, Sorenson Spark, VC-1, Windows Media Video 9, Real Video 8/9/10</td>
</tr>
<tr>
<td>App Store</td>
<td>Google Play</td>
</tr>
</tbody>
</table>

### HR8D, HR8AD and HR8A HDMI/MHL Specifications

1. Supported HDMI version 1.4b.
2. Supported MHL version 1.3.
3. Supported HDMI/MHL up to 1080P.
4. Supported HDMI Input Resolution:
   * 640x480p~60Hz~4:3 / *720x480p~60Hz~16:9 / *720x576p~50Hz~16:9 / *
   * 1280x720p~60Hz~16:9 / *1920x1080p~60Hz~16:9 / *1920x1080p~50Hz~16:9

**NOTE:** Specifications subject to change without notice.
COMPLIANCE INFORMATION

FCC NOTICE
This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause unacceptable interference to radio or television reception, which can be determined by turning the device OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

• Increase the separation between the device and receiver.
• Consult your dealer or an experienced radio/TV technician for help.

FCC WARNING:
To assure continued FCC compliance, the user must use the provided grounded power supply cord and the shielded video interface cable with bonded ferrite cores. Also, any unauthorized change or modifications to this device would void the user’s authority to operate this device.

NOTICE
Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that device shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this device is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this device. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this device, please contact your local city office, your household waste disposal service or the shop where you purchased the device. Applicable accessory: Remote Control.

MACROVISION NOTICE
This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.