# HR8D
# Rear Seat Video Headrest System
# Owner's Manual

# TABLE OF CONTENTS

**Contents**

CONGRATULATIONS....2
CAUTIONS....2
PRODUCT FEATURES....3
QUICK START GUIDE....4
REMOTE CONTROL BATTERY INSTALLATION....6
HEADPHONE BATTERY INSTALLATION....7
BATTERY CAUTIONS AND WARNINGS....7
FRONT PANEL CONTROLS....8
REMOTE CONTROL OPERATION....10
SYSTEM MENU....14
SYSTEM SETUP MENUS....14
DVD PLAYBACK SETTINGS AND ADJUSTMENTS....18
DVD REGION CODES....22
AV INPUTS, OUTPUTS AND HDMI/MHL AND USB PORT INFORMATION....23
GAME CONTROLLER OPERATION....25
TROUBLESHOOTING....27
SPECIFICATIONS....29
COMPLIANCE INFORMATION....30
NOTES....31

© 2014 VOXX Electronics Corp. All rights reserved. This manual, or any portion thereof, may not be reproduced without the express written permission of VOXX Electronics Corp.

## CONGRATULATIONS

Thank you for purchasing the HR8D Rear Seat Video Headrest System. Before operating this system read this manual thoroughly and retain it for future reference.

The HR8D 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 DVD/Video Source on both monitors simultaneously or individual DVD/Video sources on either monitor. The full function wireless remote control operates either monitor by selecting the Monitor Select "***M1***" or "***M2***" button.

Each headrest has an 8" LCD monitor with a built-in DVD player that allows the user to select from several sources (DVD/ USB, HDMI®/MHL®, M1/M2, A/V-IN and GAME*). Each monitor has a built-in infrared audio transmitter channel.
* GAME Optional

The Rear Seat Video Headrest System is set-up and adjusted with easy to use menus that are accessed using the remote control or the buttons on the front panel.

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

## 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.

### 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 control, 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 HR8D Rear Seat Video Headrest System. Using this system without running the engine can result in battery drainage. To avoid the risk of battery drainage, please remember to turn system OFF when the vehicle is not in use for long periods of time.

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

## PRODUCT FEATURES

The HR8D Rear Seat Video Headrest System consists of:

1. Two factory matched Headrests with 8-inch Color TFT-LCD Display Screen (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, used to connect a USB memory device. This input will also charge a USB device that contains a battery.
6. Sources - DVD, USB, A/V-IN, M1 (or M2), HDMI or Game (optional).
7. HDMI/MHL Input, is used to connect a device with an HDML/MHL output. **NOTE:** ***Requires an HDML/MHL enabled device and a special HDML/HML adapter. Contact your HDML/MHL device supplier for the adapter. (see page 23 for more information)***
8. Remote Sensors on the front panels.
9. Two full function remote controls to operate either headrest by selecting "***M1***" or "***M2***".
10. Controls & Indicators on the Front and Top Panels.
    - *POWER*
    - *SOURCE* **(S)**
    - *PLAY/PAUSE* **( ►/II )**
    - *STOP/ EJECT* (■/ ▲)
    - *ENTER* ( ⌂/⏎ )
    - *PREVIOUS / LEFT* (◄/I◄◄)
    - *DOWN* (▼)
    - *UP* (▲)
    - *NEXT / RIGHT* (►►I/►)
    - *USB Connector*
    - *HDMI/MHL INPUT*
11. OSD (On Screen Display) menus.

### MVGP1 Game Pack (Optional):

The Game Pack consists of fifty four 32-bit games (six dual players). Includes 2 Game Controllers (P1 & P2) see pages 25 and 26 for more information.

When the 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***". ***(see page 25 for more information)***

## QUICK START GUIDE

1. Press the ***Power*** button on the top of the front panel or 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 disc 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*** 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.***
5. When the DVD menu appears, select the menu item using the ***UP/DOWN*** buttons and press the ***Enter*** or ***Play*** button.
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.

## GENERAL OPERATING INSTRUCTIONS

For the best disc operation, it is important that you read this section completely.

**DVD Region Coding**

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. The HR8D region code is set to ***Region 1***. Playback of a disc from any other region will not work in the HR8D.

**Types of Discs the HR8D Will Play**

- DVD-Video: DVD containing video.
- CD-DA: CD containing musical or sound content only.
- 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:** ***The following discs will NOT play in the*** **HR8D*****: Optical disc- CD-1, 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.

Press the ***POWER*** button to turn the system ON. Load the disc (label facing the user) into the disc slot. The disc will load automatically and begin to play.

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

### NOTES 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 1) **NOTE*****: Do not use solvents such as benzene, thinner, cleaners, or antistatic spray intended for analog discs.***

**Figure 1**

- 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.

# REMOTE CONTROL BATTERY INSTALLATION

### Installation of the Remote Control Battery

The 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. (Figure 2)

**NOTE:** ***The remote control will only operate with the HR8D system. It is not a universal remote control and will not control other equipment.***

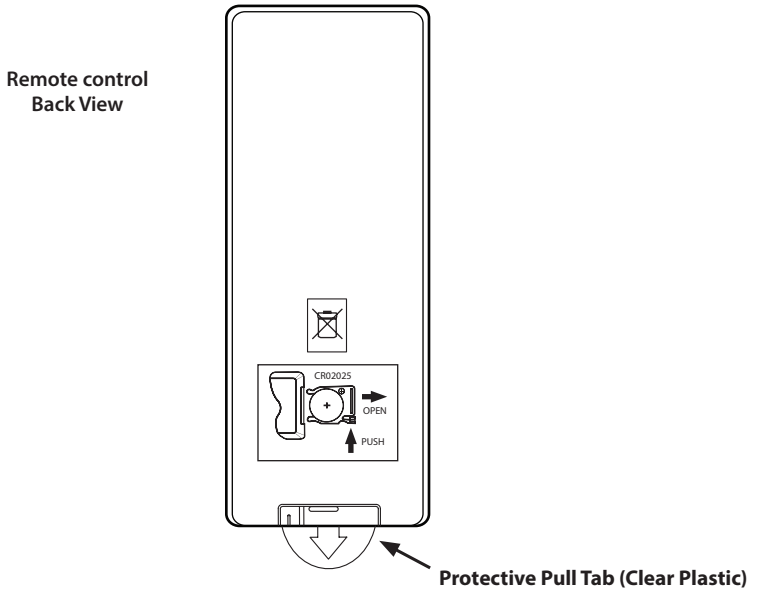



**Figure 2**

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. (Figure 3)
2. Install one ***CR2025*** battery (1). (Figure 4)
   **NOTE:** ***Make sure that the proper polarity (+ or -) is observed.***
3. Slide the battery holder back into the remote control until it locks. (Figure 4)

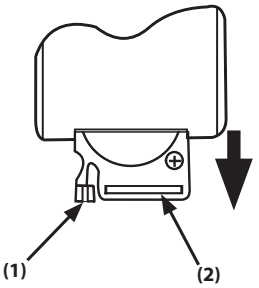



**Figure 3**

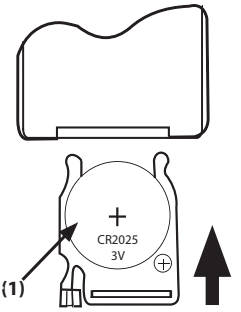



**Figure 4**

## 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, press down on the battery compartment cover and slide it UP and OFF in the direction shown. (Figure 5)
3. Insert two AAA batteries, carefully following the markings inside to ensure the batteries are inserted properly ("+"and "–" ends in the correct positions).
4. Replace the battery compartment cover. (Figure 5)

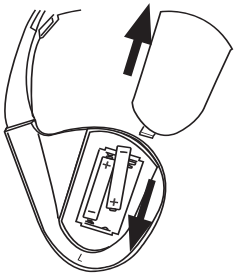


**Figure 5**

## BATTERY CAUTIONS AND WARNINGS

### Cautions and Warnings

- Always keep the monitors, remote control and headphones clean and dry.
- Always seek qualified personnel to perform repairs to the system or individual components of the system. ***Never attempt your own repairs.***
- Do not drop remote control and headphones or expose to strong impacts.
- Do not expose monitors, remote control and headphones to direct sunlight for extended periods of time.
- Always ensure that the batteries are correctly installed in the remote control 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 the remote control **NOTE:** ***Do not use different types.***
- 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 control or headphones.
- When the batteries fail to function, replace them immediately.
- Remove the batteries if the remote control 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.

## FRONT PANEL CONTROLS

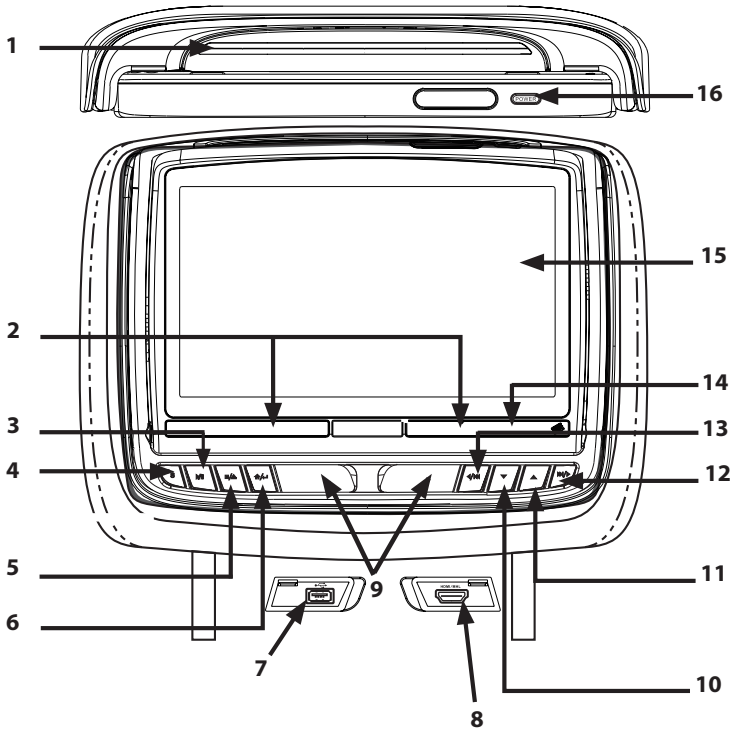



**Figure 6**

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 ( ▶/⏸ ) Button**
   This button is used to start playback of the disc or pause a disc.
4. **SOURCE (S) Button**
   This button is used to select the DVD/ USB, M1/M2, A/V IN, HDMI/MHL or GAME (optional) sources.
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. Used to execute a selected setting or menu option.
7. **USB PORT**
   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**
   For connection of device 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***.

## FRONT PANEL CONTROLS (continued)

9. **JACK COVERS**
   Used to protect and cover the HDMI jack 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.

12. **NEXT / RIGHT (⏭/►) Button**
    Press and hold this button to skip to the next chapter or track during playback of a disc. This button is also used to navigate through menu selections.

13. **PREVIOUS / LEFT (◄/⏮) Button**
    Press and hold this button 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)

16. **POWER Button**

    - Press and release this button to turn the monitor ON.
    - Press and hold this button for 3 to 5 seconds to turn the monitor OFF.

## REMOTE CONTROL OPERATION

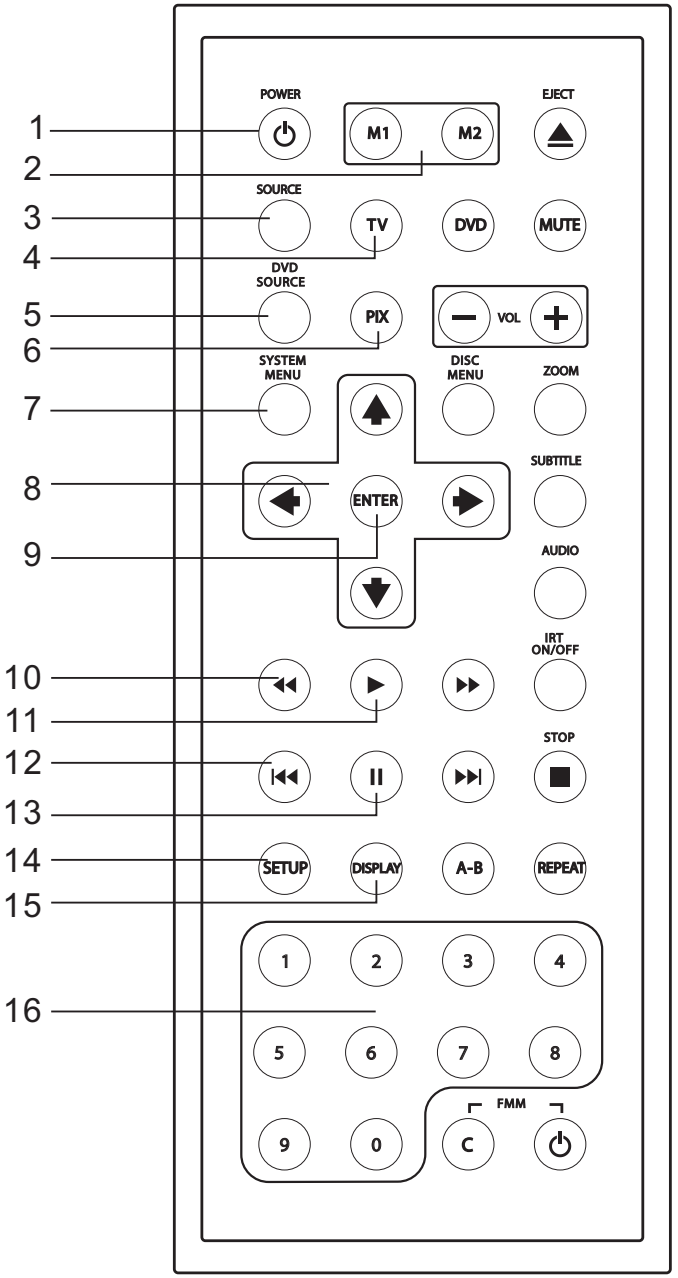



**Figure 7**

## REMOTE CONTROL OPERATION (continued)

1. **POWER ( ⏻ )**
   Press this button to turn the system ON and OFF. (Figure 7)

2. **Monitor Select (M1 and M2)**
   Press this button to select a monitor to control. (Figure 7)
   **M1**- Press to control the M1 monitor.
   **M2**- Press to control the M2 monitor.

3. **SOURCE**
   Press this button to display the MAIN MENU. Use the UP/DOWN/LEFT/RIGHT Arrow buttons to highlight a source then press enter to select. (Figure 7)

4. **TV**
   Refer to Item 15.

5. **DVD Source**
   Not used on this model.

6. **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 7)

7. **SYSTEM MENU**
   This button is used to make system setup adjustments. See pages 14 - 17 for details.

8. **UP/DOWN/LEFT/RIGHT Arrows**
   Use these buttons to navigate the menu selections on the screen. (Figure 7)

9. **ENTER**
   Press this button to make an OSD selection. (Figure 7)

10. **SCAN BACKWARD ( ◀◀ )**
    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 7)

11. **PLAY ( ▶ )**
    Press this button to initiate play mode when a disc is loaded in the disc compartment. (Figure 7)

12. **PREVIOUS ( ⏮ )**
    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 7)

13. **PAUSE ( II )**
    Press this button to pause the playback of a disc. Pressing pause again or pressing the Play button will resume normal playback. (Figure 7)

14. **SETUP**
    Press this button to navigate the DVD Setup Menu. Please refer to the following pages to configure the system: General Setup Page, Audio Setup Page, Preference Page, and Password Setup Page. (Figure 7)
    **NOTE:** ***Unit must be set to DVD source*****.**

15. **DISPLAY**
    Press the TV button (4) and DISPLAY to show monitor status, modulator status, IR Transmitter status, M1/M2 ID, Source status.
    **NOTE:** ***The TV button is pressed the remote control will not control DVD functions until the DVD button is pressed again.***
    Press the DVD button (30) and DISPLAY to show current disc information while the disc is playing. In DVD mode, press the DVD button (30) and the DISPLAY button (15) 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 and hold the DISPLAY button 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 7)

16. **NUMBERS**
    Allows the user to select tracks on a disc during playback or changing the parental control. (Figure 7)

## REMOTE CONTROL OPERATION (continued)

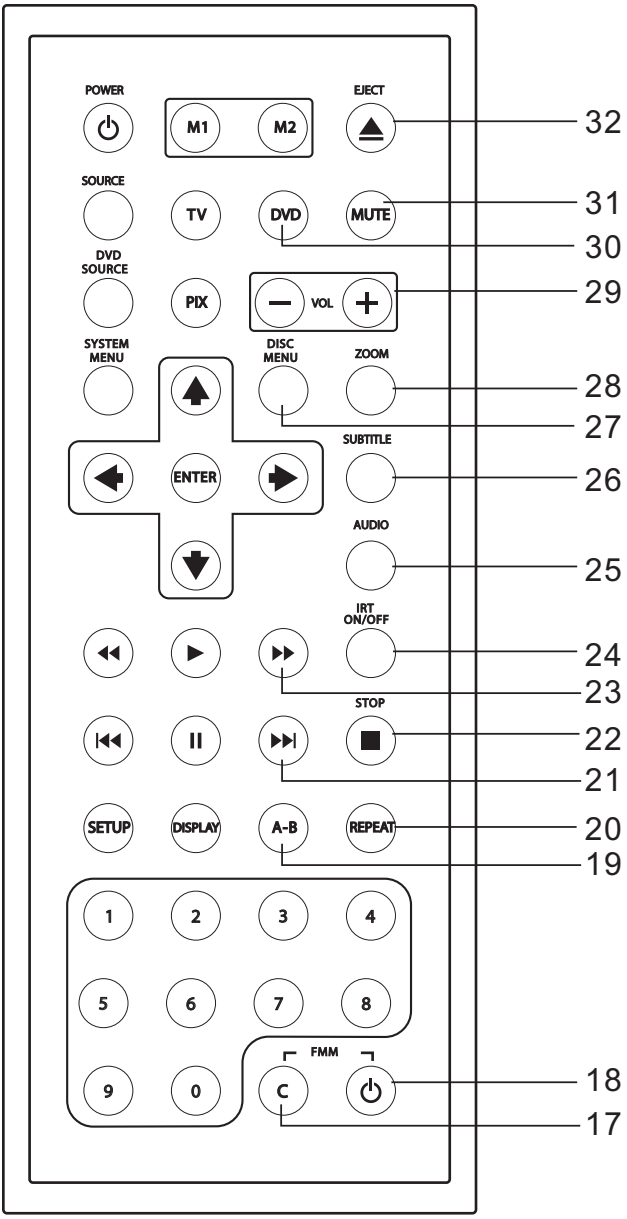



**Figure 8**

## REMOTE CONTROL OPERATION (continued)

**17. FM Modulator Channel Select (C) (M1 Monitor only)**
Not applicable on this model. (Figure 8)

**18. FMM ON/OFF ( ⏻ ) (M1 Monitor only)**
This button is used to turn the wireless FM Modulator ON and OFF. (Figure 8)

**19. A-B REPEAT**
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 a 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 8)

**20. REPEAT**
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 8)

**21. NEXT ( ⏭ )**
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 8)

**22. STOP ( ■ )**
Press this button to stop playback of disc. (Figure 8)

**23. SCAN FORWARD Button ( ▶▶ )**
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 8)

**24. 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 8)

**25. AUDIO (DVD MODE ONLY)**
Press this button to display and select the available AUDIO languages. Each time you press the button, the audio language changes. (Figure 8)
**NOTE:** ***The audio languages vary from disc to disc***.

**26. SUBTITLE (DVD MODE ONLY)**
If the DVD playing has different subtitle options, press this button to display and select the desired available subtitle language. (Figure 8)
**NOTE:** ***The subtitle selections vary from disc to disc.***

**27. DISC MENU**
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 8)

**28. ZOOM**
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 8)

**29. VOLUME DOWN ( - ) or UP ( + )**
Not applicable on this model. (Figure 8)

**NOTE:** ***These buttons can be used with the PIX button for adjusting the picture controls.***

**30. DVD Mode Select**
Press this button to control DVD functions. (Figure 8)

**31. 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 8)

**32. EJECT ( ⏏ )**
Press this button to eject the disc from the disc slot. (Figure 8)

# SYSTEM MENU

**Source**

The ***SOURCE*** button on the remote control or on the front panel allows the user to change the AV source between DVD, USB, HDMI/MHL, AV-IN, M1/M2, GAME. When the ***SOURCE*** button is pressed the ***MAIN MENU*** (Figure 9) screen appears allowing the user to select a desired source or select the setting to go to the ***SYSTEM MENU***.

**HR8D (M1) and HR8D (M2) Main Menu**
**Figure 9**

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

This 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 10), or the Front Panel buttons (Figure 11).

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

**NOTE:** ***The SYSTEM MENU will disappear if no adjustments are made within 6 seconds. See page 11.***

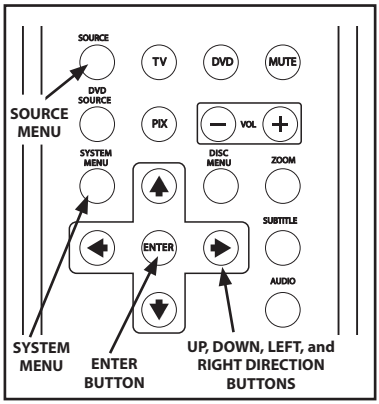



**Figure 10**

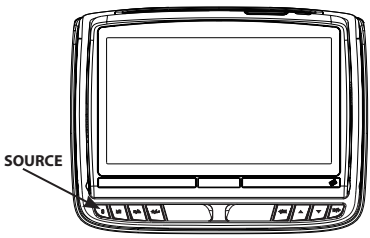



**Figure 11**

## SYSTEM SUB-MENUS

1. Press the ***SYSTEM MENU*** button on the remote control (Figure 10) or press the ***SOURCE*** button on the front panel of the system (Figure 11) to display the ***MAIN MENU***. (Figure 9)
2. Use the ***UP*** and ***DOWN*** direction buttons to select the desired setting in the ***MAIN MENU*** screen and press the ***ENTER*** button or ***SOURCE*** button to select the Sub-Menu screen. **NOTE:** ***Selected items in the MAIN MENU and the Sub-Menus will be highlighted in orange.***
3. Use the ***UP, DOWN, LEFT*** and ***RIGHT*** direction buttons to select an item in the Sub-Menu screen and then press the ***ENTER*** button to select.
4. To exit ***MAIN MENU*** screen or the Sub-Menu screens at anytime, press the ***SYSTEM MENU*** button on the remote control or the ***SOURCE*** button on the front panel.

# SYSTEM SETUP MENUS

## PICTURE CONTROL

**HR8D (M1) and HR8D (M2)**
**Picture Control Menus**
**Figure 12**

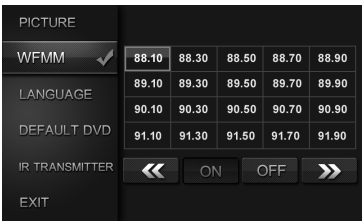
**PICTURE CONTROL from the Front Panel:**

1. Press and hold the ***HOME/ MENU SELECT*** button on the front panel of the system to show the ***SYSTEM MENU***.
2. Use the ***UP*** and ***DOWN*** direction buttons to select ***Picture Control*** and press the ***ENTER*** button to enter the sub-menu. (Figure 12)
3. Use the ***UP*** and ***DOWN*** direction buttons to select one of the four settings in the Sub-Menu (Brightness, Contrast, Color, Tint and Reset). Using the ***LEFT*** and ***RIGHT*** direction buttons, adjust the level of the picture setting chosen. **NOTE:** ***Levels are set from "0" to "16" for Brightness, Contrast and Color. The levels for Tint is set from "-16" to "+16" . There is no Tint Control in PAL Mode.***
4. Select ***Reset*** to return the picture setting control back to factory defaults.

**PICTURE CONTROL from the Remote Control:**

1. Select "M1" or "M2" on the remote control and press the ***PIX*** button to enter ***Picture Control.***
2. Use the ***UP*** and ***DOWN*** direction buttons to select one of the five settings in the Sub-Menu (Brightness, Contrast, Color, Tint and Reset).
3. Using the ***LEFT*** and ***RIGHT*** direction buttons, adjust the level of the picture setting chosen. **NOTE:** ***Levels are set from "0" to "16" for Brightness, Contrast and Color. The levels for Tint is set from "-16" to "+16". There is no Tint Control in PAL Mode.***
4. Select ***Reset*** to return the picture setting control back to factory defaults.

## FM CHANNEL




**WFMM Channel/Frequency Menu**
**Figure 13**

**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 M1 unit (Figure 6) to show the ***MAIN MENU***.
2. Use the ***UP*** and ***DOWN*** direction buttons to select ***WFMM*** (Wireless FM Modulator) and press the ***ENTER*** button to enter the sub-menu. (Figure 13)
3. Use the ***UP***, ***DOWN, LEFT*** and ***RIGHT*** direction buttons to select the best channel/frequency from a four page list of one hundred frequencies then press the ***ENTER*** button to enter selection.
4. When a channel/frequency is selected, the Wireless FM Modulator screen will display the selected channel/frequency.

## SYSTEM SETUP MENUS (continued)

**Selecting the FM Channel from the Remote Control:**

1. Select "M1" on the Remote Control.
2. Press the ***SYSTEM MENU*** button then use the ***UP*** and ***DOWN*** direction buttons to select ***WFMM*** (Wireless FM Modulator) and press the ***ENTER*** button to enter the Wireless FM Modulator sub-menu.
3. 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:**

1. Press the ***FMM ON*** or ***OFF*** button on the remote control 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 lefthand side of the main screen. When ***OFF*** is selected, ***FMM OFF*** will be displayed on the lower left-side of the main screen. (Figure 14)

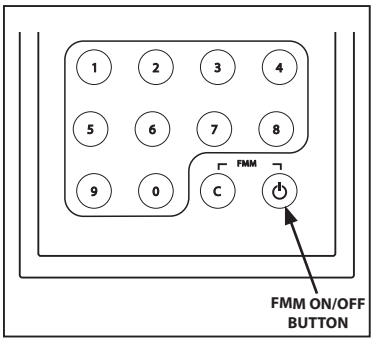
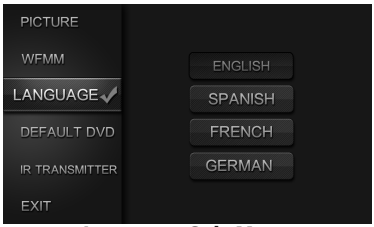



**Figure 14**

## LANGUAGE




**Language Sub-Menu**
**Figure 15**

**LANGUAGE from the Front Panel:**

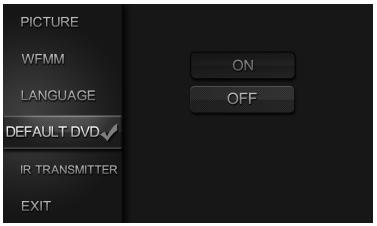
1. Press and hold the ***HOME/ MENU SELECT*** button on the front panel of the system to show the ***Main Menu***.
2. Use the ***UP*** and ***DOWN*** direction buttons to select ***Language*** and press the ***ENTER*** button to enter the sub-menu. (Figure 15)
3. Use the ***UP*** and ***DOWN*** direction buttons to select the desired language then press the ***ENTER*** button to save the setting.

**LANGUAGE from the Remote Control**

4. Select "M1" or "M2" on the Remote Control.
5. Press the ***SYSTEM MENU*** button then use the ***UP/DOWN*** direction buttons to select ***Language*** and press the OK button to enter the Language sub-menu.
6. Use the ***UP*** and ***DOWN*** direction buttons to select the desired language then press the ***OK*** button to save the setting.

## SYSTEM SETUP MENUS (continued)

### DEFAULT DVD ON/OFF




**Default DVD Sub-Menu**
**Figure 16**

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.***

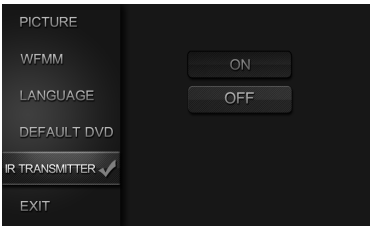
**Default DVD ON/OFF from the Front Panel:**

1. Press and hold the ***HOME / MENU SELECT*** button on the front panel (Figure 6) of the system to show the ***MAIN MENU.***
2. Use the ***UP*** and ***DOWN*** direction buttons to select ***DEFAULT DVD ON/ OFF*** and press the ***ENTER*** button to enter the sub-menu. (Figure 16)
3. Use the ***UP*** and ***DOWN*** direction buttons to select ***DEFAULT DVD ON*** or ***OFF*** and press the ***ENTER*** button to enter selection.

**Default DVD ON and OFF from the Remote Control**:

1. Select "M1" or "M2" on the Remote Control.
2. Press the ***SYSTEM MENU*** button then use the ***UP*** and ***DOWN*** direction buttons to select ***DEFAULT DVD ON/OFF*** and press the ***ENTER*** button to enter the sub-menu.
3. Use the ***UP*** and ***DOWN*** direction buttons to select ***DEFAULT DVD ON or OFF*** and press the OK button to make the selection.

### IR TRANSMITTER ON/OFF




**IR Transmitter Sub-Menu**
**Figure 17**

**IR Transmitter ON/OFF from the Front Panel:**

1. Press and hold the ***HOME / MENU SELECT*** button on the front panel (Figure 6) of the system to show the ***MAIN MENU***.
2. Use the ***UP*** and ***DOWN*** direction buttons to select ***IR TRANSMITTER ON or OFF*** and press the ***ENTER*** button to enter the sub-menu. (Figure 17)
3. Use the ***UP*** and ***DOWN*** direction buttons to select ***IRT ON*** or ***OFF*** and press the ***Enter*** 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**:

4. Select "M1" or "M2" on the Remote Control.
5. Press the ***SYSTEM MENU*** button then use the ***UP*** and ***DOWN*** direction buttons to select ***IR TRANSMITTER*** and press the ***ENTER*** button to enter the sub-menu.
6. Use the ***UP*** and ***DOWN*** direction buttons to turn the ***IR TRANSMITTER ON*** or ***OFF*** and press the ***ENTER*** button to enter selection. When ***ON*** is selected, ***IRT*** will be displayed on the ***SYSTEM MENU*** screen. When ***OFF*** is selected, ***IRT OFF*** will be displayed on the ***SYSTEM MENU*** screen.

# DVD PLAYBACK SETTINGS AND ADJUSTMENTS

The Setup Menu contains features and options that lets you customize your DVD player. For example, you can set screen display or a language for the on-screen display or prevent DVD playback of certain DVD disc (for example PG-13 or R Rated) for children.

**Using the Setup Menu**

1. Press the SETUP button on the remote control. The Setup Menu appears on the screen as shown in Figure 18. There are 2 icons on the left side of the Setup Menu. Each icon represents a page for:
   **SYSTEM SETUP**
   **LANGUAGE SETUP**
2. Highlight the desired option using the ***UP*** or ***DOWN*** direction buttons and press select to open the sub menu that contains the different options available.
3. Press the ***UP*** or ***DOWN*** direction buttons to highlight the desired option, and press ENTER to confirm the selection.
4. Repeat steps 2 and 3 to set the options that reside on the same Setup Page.
5. To change to another Setup page, press the ***LEFT*** direction button to position the highlight back on the icon side of the setup page. Then, repeat steps 2 through 5.

**SYSTEM SETUP**

**TV SYSTEM**

The TV SYSTEM setup allows the user to select television standard which corresponds to your TV. (Figure 18)

- 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.

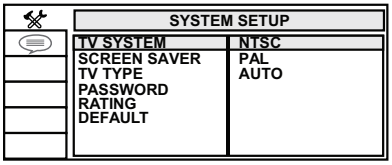



**Figure 18**

**SCREEN SAVER**

This option allows the operator to set the Screen Saver mode. (Figure 19)

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.***

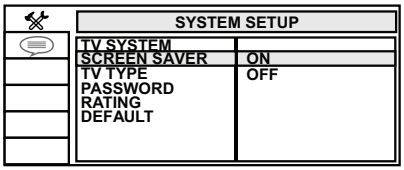



**Figure 19**

**TV TYPE**

The TV TYPE setup allows you to set the screen aspect ratio. (Figure 20)

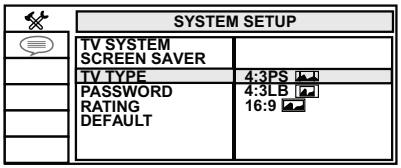



**Figure 20**

***4:3 PS (Pan Scan)***

The left and right 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***

This 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.

# DVD SETTINGS AND ADJUSTMENTS (continued)

## PASSWORD

The Default Password is 3308. This 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 21)
The restriction of viewing disc content by younger users may be available on some discs but not on others.

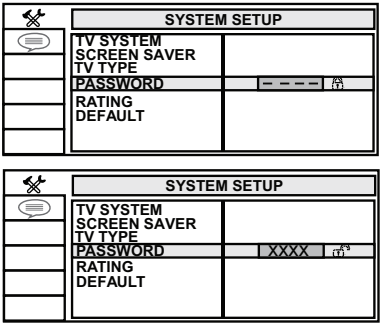



**Figure 21**

### Rating

This item allows you to limit the content of movie playback from G to Adult.
The lower the value, the more strict the control. (Figure 22)

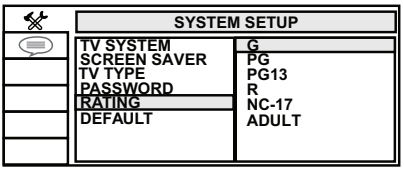



**Figure 22**

For the first time setting the parental control rating, key in the default password (3308) and press ENTER 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 ENTER. (Figure 22)

To change the password to your own password, select the Password setting and press ENTER and Key in a new four digit password, press ENTER 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 23)

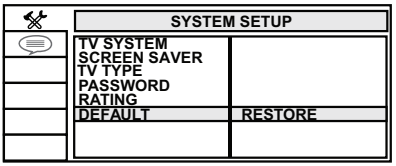



**Figure 23**

## 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 24)

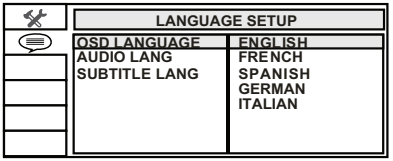



**Figure 24**

### AUDIO LANGUAGE

The AUDIO LANG setup option page allows the user can select the audio language (ENGLISH, FRENCH, SPANISH, GERMAN, ITALIAN, CHINESE, JAPANESE or THAI). ***(Figure 25)***
**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.***

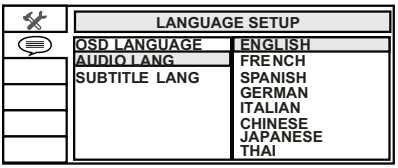



**Figure 25**

# DVD SETTINGS AND ADJUSTMENTS (continued)

## SUBTITLE LANGUAGE

The SUBTITLE setup option page allows the user to select the language for the OSD. 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 26)

**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.***

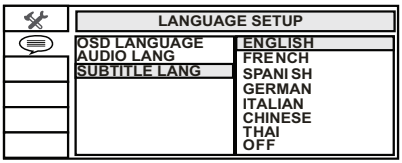



**Figure 26**

## PLAYING DEVICES

### Media Play Mode Selection

The Media Mode (Figure 27) supports the following formats:

Audio – Audio data format (MP3, WMA)

Photo – Photo data format (JPEG)

Video – Video data format (MPEG I, II)

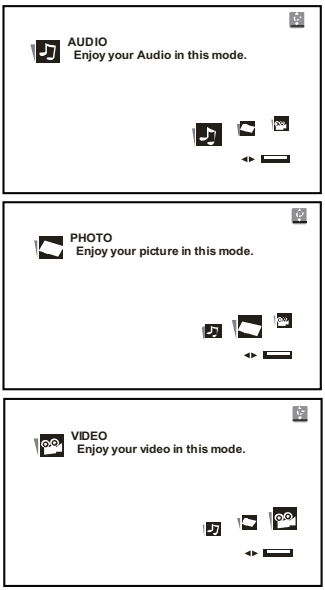



**Figure 27**

### Playing USB Memory Devices

1. The system will detect the insertion of a USB device automatically if no disc is loaded. The system only auto detects the first media inserted (USB drive); the second media source can be manually selected by pressing the front panel Source (***S***) button or the ***SOURCE*** button on the remote control.
2. When a disc is inserted, the system will switch to DVD mode immediately regardless of which type of media (USB) is currently playing.
   Press the front panel Source (***S***) button or the ***SOURCE*** button on the remote control to select the device source of input signal from DVD, or USB memory device.
   **NOTE:** ***The system will default to the DVD when the system detects a disc in the DVD player. The system cannot support more than 2 memory partitions on a USB thumb drive.***

# DVD SETTINGS AND ADJUSTMENTS (continued)

## DISC BASICS

To get the optimum use out of the DVD player, make sure you read this section completely.

**Types of discs your DVD Player will play:**

- DVD* disc - DVD discs that contain video.
- Audio disc - Audio CDs that contain musical or sound content only.
- MP3 disc - A disc that contains audio files (for example, a CD-R with downloaded MP3 files).

*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 CANNOT be used with this player:***

- Mini-Disc
- Laserdisc
- CD-1, CD-ROM, DVD-ROM, Super Audio CD (SACD), DVD Audio, JPEG, BD (Blu-ray Disc).

**Loading and Playing Discs**

Before you load a disc, make sure that it is compatible with the player. Insert the disc with the disc label facing the user.

**To load and play a disc:**

1. Press the Power button to turn the monitor ON.
2. Select DVD mode using the front panel Source (S) button or the SOURCE button on the remote control and insert the disc (label facing user) into the disc slot.
3. Push down gently on the disc and the player will pull the disc in.

## DVD REGION CODES

The DVD player is preset to a region code at the factory depending on where the DVD player is sold (Figure 28). DVDs from a different region cannot be played in this unit and the unit will display "***WRONG REGION***".

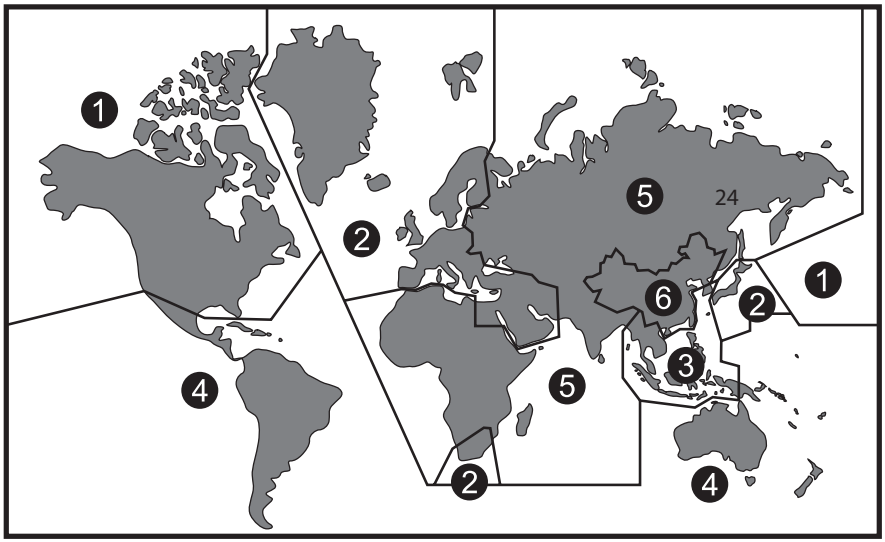



**Figure 28**

***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

# AV INPUTS, OUTPUTS, HDMI/MHL AND USB PORT INFORMATION

## AV INPUTS, AV OUTPUTS

**Audio/Video 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.

**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 **:**

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.

**CAUTION:** 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.

# AV INPUTS, OUTPUTS, HDMI/MHL AND USB PORT INFORMATION (continued)

## USB PORT INFORMATION

**USB Port**

The USB port provides two functions:

1. Media port for USB thumb drives:
    - The Media port allows for the playing of MP3 music files, jpeg files and some video file formats when the USB source is selected. Video formats supported are some Xvid and some AVI file types. Video resolution must be 720 x 480 or smaller.
2. Phone/Tablet charging:
    - 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.
    - The USB port will not charge a portable device when the HR8D is turned OFF.

# GAME CONTROLLER OPERATION - OPTIONAL

**Battery Installation**

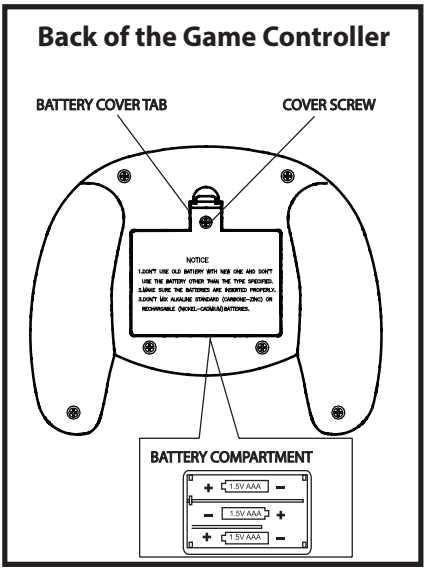



**Figure 29**

Before attempting to operate the Game Controller, install the batteries as described below:

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 a 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**

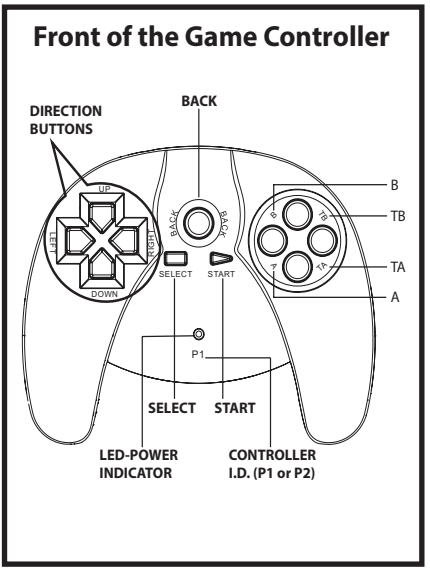



**Figure 30**

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 games 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 - OPTIONAL (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

| Symptom | Remedy |
|---|---|
| System does not power "ON" | • Is the ignition turned "ON"?<br>• Is the battery installed in remote control? |
| IR Remote inoperative | • Verify that the battery in the remote control is good.<br>• Verify that the proper battery polarity (+ or -) is observed (+ side facing up).<br>• Verify that the remote sensor eye is not obstructed.<br>• Verify that the M1 or M2 button has been selected correctly. |
| Disc won't play | • Insert a disc with label side facing toward user.<br>• Check if the disc is defective by trying another disc.<br>• 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.<br>• Both the DVD player and the disc are coded by region. If the regional codes don't match, the disc cannot be played. |
| Disc plays, but then stops immediately | • The disc is dirty and needs cleaning.<br>• Condensation has formed. Allow the player to dry out.<br>• The disc is scratched. Replace the disc. |
| No picture | • Check that you are in DVD mode if playing a DVD. |
| Cannot advance through a movie | • 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. |
| No sound or distorted sound | • If you are using the IR headphones, make sure you turn ON the IR transmitter on the DVD system.<br>• Verify that the batteries in the IR Headphones are good.<br>• Is volume turned "UP" on the IR Headphones?<br>• Is anything blocking signal between the monitor and the headphones?<br>• Make sure the headphones are set to the proper channel: CH.A for M1 Monitor CH.B for M2 monitor<br>• Make sure the FM modulator is on and the radio is tuned to the same frequency. |
| Device feels warm | • When the monitor is in use for a long period of time, the surface will be heated. This is normal. |
| Player does not respond to all commands during playback | • Operations are not permitted by the disc.<br>• Refer to the instructions in the disc inlay. |

## TROUBLESHOOTING (continued)

| Symptom | Remedy |
|---|---|
| Picture is distorted. | • Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge.<br>• The disc might be damaged, try another disc.<br>• It is normal for some distortion to appear during forward or reverse scan. |
| No forward or reverse scan. | • Some discs have sections that prohibit rapid scanning or title and chapter skip.<br>• 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. |
| HDMI/MHL input not working for the HDMI/MHL enabled device. | • May require a special HDMI/MHL adapter. Contact your HDMI/MHL device supplier for the adapter.<br>• Some devices may need to boot up before showing picture. |
| Game source does not work | • 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. |
| NO SIGNAL displayed on screen | • No source plugged into the A/V, AUX, MEDIA or HDMI input.<br>• Some devices may need to boot up before showing picture. |

# SPECIFICATIONS

**Monitor Specifications**

| | |
|---|---|
| Type | TFT Active Matrix LCD |
| Resolution | 2400 (W) x 480 (H) |
| Pixels | 1,152,000 |
| Back Light | LED |
| Power Source | +12 VDC |
| Power Consumption | 28W |
| Operating Temperature | 32°F ~ 125°F (0°C ~ +55°C) |
| Storage Temperature | -22°F ~ 150°F (-20°C ~ +70°C) |
| Video Display System | NTSC/PAL |
| Back Light Life | 20,000 hours |

# 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.

**NOTES**

NOTES

For Customer Service
Visit Our Website At
**www.voxxelectronics.com**
Product Information, Photos,
FAQ's, Owner's Manuals

**© 2014 VOXX International Corp.150 Marcus Blvd. Hauppauge, NY 11788**

128-9274