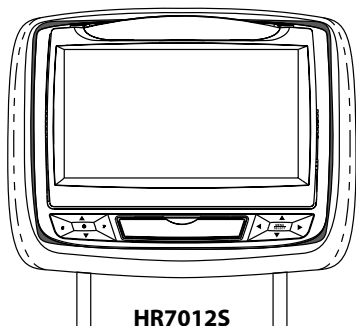
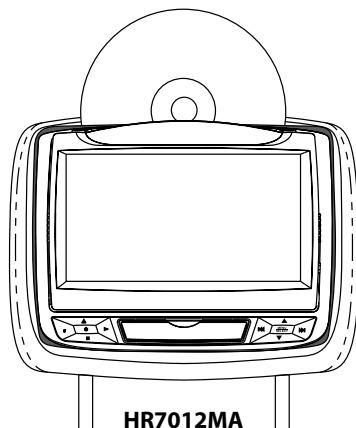


HR7012

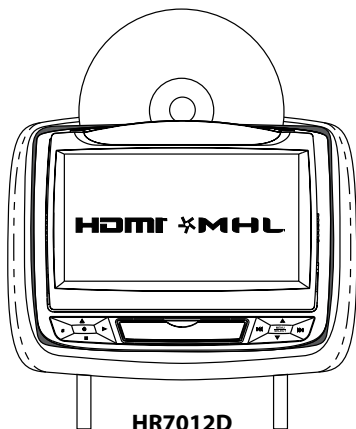
REAR SEAT VIDEO HEADREST SYSTEM



HR7012S



HR7012MA



HR7012D

AVAILABLE IN SIX CONFIGURATIONS

Owner's Manual

TABLE OF CONTENTS

Contents

CONGRATULATIONS	2
HR7012 REAR SEAT VIDEO HEADREST SYSTEM CONFIGURATIONS.....	3
PRODUCT FEATURES.....	5
CAUTIONS.....	6
QUICK START GUIDE.....	6
GENERAL OPERATING INSTRUCTIONS	7
FRONT PANEL CONTROLS - HR7012MA.....	8
FRONT PANEL CONTROLS - HR7012S	10
FRONT PANEL CONTROLS - HR7012D	12
REMOTE CONTROL BATTERY INSTALLATION.....	14
HEADPHONE BATTERY INSTALLATION.....	15
BATTERY CAUTIONS AND WARNINGS	15
REMOTE CONTROL OPERATION	16
SYSTEM MENU	20
SYSTEM SETUP SUB-MENUS.....	22
DVD PLAYBACK SETTINGS AND ADJUSTMENTS	31
DVD REGION CODES	35
AV INPUTS, OUTPUTS, HDMI/MHL and USB PORT INFORMATION.....	36
GAME CONTROLLER OPERATION - OPTIONAL.....	38
TROUBLESHOOTING	40
SPECIFICATIONS	42
COMPLIANCE INFORMATION	43
USER NOTES	44

CONGRATULATIONS

Thank you for purchasing the HR7012 Rear Seat Video Headrest System. Before operating this system read this manual thoroughly and retain it for future reference.

The HR7012 Rear Seat Video Headrest System has two factory matched replacement headrests with 7" video monitors in each headrest. The monitors are hereafter referred to in this manual as "M1" and "M2"

The M1 and M2 monitors are equipped with easy to use front panel controls and auxiliary input connection options.

The system allows the users to watch the same DVD or video source on both monitors simultaneously or allows individual viewing of content.

The HR7012 monitor is available in three models, HR7012MA, HR7012D and HR7012S. These three models can be configured to allow six possible combinations, which are detailed on pages 3 and 4. Below are the details for each monitor:

HR7012MA: is a 7" LCD monitor with a built-in DVD player that allows the user to select from several sources (DVD/USB, M1 (M2), A/V-IN, AUX MEDIA, and GAME* Source). The monitor has a built-in infrared audio transmitter channel.

HR7012S: is a 7" LCD monitor (No DVD) that allows the user to select from several sources (M1 (M2), A/V-IN, AUX, and GAME* Source). The monitor has a built-in infrared audio transmitter channel.

HR7012D: is a 7" 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* Source). The monitor has a built-in infrared audio transmitter channel.

* GAME Optional

The HR7012 Rear Seat Video Headrest System is set up and adjusted with easy to use menus that are accessed using the front panel controls or the remote controls.

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

- 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.

(Optional wired headphones allow the user to listen to audio from the system through the 1/8" jack located on the front of the HR7012MA and HR7012S. The HR7012D does not have a wired headphone jack)

HR7012 REAR SEAT VIDEO HEADREST SYSTEM CONFIGURATIONS

Available in six configurations as follows:

Configuration 1:

- Two 7" LCD monitors (M1/M2), each with a built-in DVD player (HR7012MA) (Figure 1)

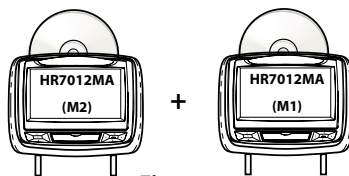


Figure 1

Configuration 2:

- One 7" LCD monitor with a built-in DVD player (M1) (HR7012MA)
One 7" LCD monitor (M2) (screen only) (HR7012S) (Figure 2.)
NOTE: When the M2 Monitor is set to the M1 source and to "AUTO ON", M2 will turn ON automatically when M1 is in playback mode. (See page 30)

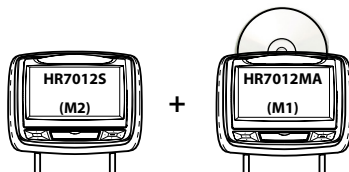


Figure 2

Configuration 3:

- Two 7" LCD monitors (M1/M2) (HR7012S) (screens only) connected to automotive head unit (radio) with built-in DVD player or external DVD, Blu-ray player or other A/V source. (Figure 3)

NOTE: When the Monitors are set to the "A/V" IN source and "AUTO ON" is selected both monitors will turn ON automatically when a video signal is received from a external source. (See page 30)

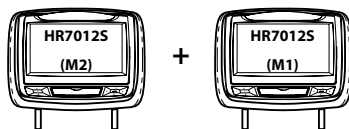


Figure 3

Your system may have an additional A/V (Audio/Video) input such as Configuration 3 above and/or an optional Game Pack (MVGP1). 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". See pages 38-39 for details)

HR7012 REAR SEAT VIDEO HEADREST SYSTEM CONFIGURATIONS (continued)

Configuration 4:

Two 7" LCD monitors (M1/M2) with a built-in DVD player and HDMI input (*HR7012D*) (*Figure 4*)

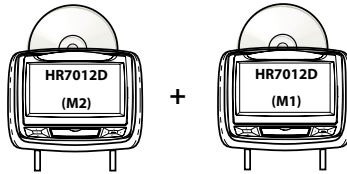


Figure 4

Configuration 5:

One 7" LCD monitor with a built-in DVD player and HDMI input (*HR7012D*) and One 7" LCD monitor with a built in DVD player and AUX input (*HR7012MA*). (*Figure 5*)

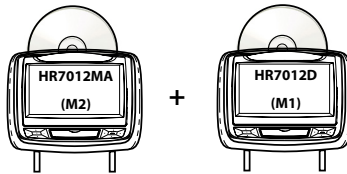


Figure 5

Configuration 6:

One 7" LCD monitor (M1) with a built-in DVD player and HDMI input (*HR7012D*) and One 7" LCD monitor (M2) (screen only) (*HR7012S*). (*Figure 6*)

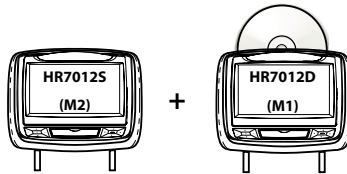


Figure 6

PRODUCT FEATURES

The HR7012 Rear Seat Video Headrest System consists of:

1. Two factory matched Headrests with 7-inch Color TFT-LCD Display Screen (800x480) 16:9 aspect ratio. (See configuration options on previous pages.)

2. Two Infrared (IR) Transmitters for listening to audio signal through Wireless IR Headphones.

3. Two Wireless Infrared (IR) Headphones equipped with volume control and 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 FM transmitter used to listen to audio (**M1 only**) through the vehicle's FM radio by tuning to one of 100 frequencies. Locate an unused station on the vehicle radio. Turn the M1 headrest ON. Turn the FM Modulator ON and set the FM Modulator to the frequency on the vehicle radio. (See page 24-26 for details) **NOTE: Whenever the FM transmitter is active, regular radio reception may be poor. Turn the FM transmitter off to allow normal radio reception.**

5. Audio/Video (AUX) Signal Input Jacks (yellow, white and red) (HR7012MA and HR7012S only) used to connect items such as a DVD player, video game device, or other audio/video devices. Two 1/8-inch (3.5mm) Wired Stereo Headset Jacks that can be used with any standard stereo headphones. (HR7012MA and HR7012S only)

6. USB Port (HR7012MA only) used to connect a USB memory device (eg. thumb drive) Content on the USB device can be played by selecting "DVD" as the video source. The USB device will automatically start up upon connection,

thereby overriding the DVD disc. USB port (HR7012D only) 2.0 input on the front for phone/tablet charging or for playing digital content from a USB Flash drive. Disconnect the USB device to play DVD's and CD's.

NOTE: Refer to the HDMI/MHL information on pages 36 for tablet/phone charging capability and supported digital audio and video file formats

7. HDMI®/MHL® (HR7012D only) input on the front panel for media streaming devices such as Roku Streaming Stick and Chromecast (Not Included). This input will also allow connection of a smartphone (with the proper adapter) for playing digital content from your phone to the LCD screen.

8. Remote Sensor on the Front Panel.

9. Full Function Remote Controls to operate either headrest by selecting "M1" or "M2".

10. Control Buttons on the Front Panel.

- HR7012MA: POWER, SOURCE, STOP, PLAY, EJECT, MENU/SELECT, PREV, NEXT, VOLUME UP/DOWN.

- HR7012S: POWER, SOURCE, PIX, LEFT/RIGHT, MENU/SELECT, VOLUME UP/DOWN

- HR7012D: POWER, SOURCE, STOP, PLAY, EJECT, MENU/SELECT, PREV, NEXT, UP, DOWN.

11. MVGP1 Game Pack (Optional): The Game Pack consists of fifty four 32-bit games (six dual player games) and includes 2 Game Controllers (P1 & P2), see pages 33 and 34 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 38-39 for more information.

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 is not applied must be installed to the rear of the driver's seat where it will not be visible, directly or indirectly, to the operator of the motor vehicle.

QUICK START GUIDE

Turn ON the Monitors (M1 and M2).

1. Press the **Power** (⏻) button. The control keys will light up blue.
2. Insert a DVD, CD, MP3 disc into the disc slot located on top of the M1 monitor (disc label toward user) (HR7012MA and HR7012D only). Push down gently on the disc until the player pulls the disc in (Do Not force disc). When the DVD menu appears, select the menu item using the **UP/DOWN** buttons and press **Enter** or **Play** button.
3. Tilt the monitor to a comfortable viewing position.
4. The wireless IR headphones have 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 **CHA** setting. When sitting in front of the **M2** screen, use the **CH B** setting. Press the **Power ON/OFF** switch. The power indicator will light up red. Turn the volume down to its lowest setting before putting the headphones on.

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 unit, 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 HR7012 Rear Seat Video Headrest System. Using this system without running the engine can result in battery drainage.

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** buttons on the remote control or front panel.

NOTE: *The FMM modulator function is only available on the M1 monitor.*

NOTE: *To operate the M1 screen, press M1 on the remote control. To operate the M2 screen, press M2.*

5. To turn OFF either M1 or M2 from the front panel press and hold the **Power ON/OFF** button for 5 seconds or turn the vehicle OFF.

GENERAL OPERATING INSTRUCTIONS

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

DVD Region Coding

The HR7012MA/HR7012D and the DVD 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 HR7012MA/HR7012D code is set to **region 1**. Playback of any other region will not work in the HR7012MA/HR7012D.

Type of Discs the HR7012MA/HR7012D Will Play

- DVD-Video: DVD containing video.
- CD-DA: CD containing musical or sound content only.
- CD-Video: CD contains movie only.
- CD-R/RW: A disc that containing audio files (for example, a CD-R with downloaded MP3 files), MPEG, or JPEG files.

NOTE: *The following discs will NOT play in the HR7012MA, 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 7)
Note: *Do not use solvents such as benzene, thinner, cleaners, or antistatic spray intended for analog discs.*



Figure 7

- Keep discs protected in their cases or disc magazines when not in use. Do not subject discs to heat/high temperature. Avoid leaving discs in a parked vehicle or on a dashboard/rear tray.
- Do not use discs that have after-market Paper or plastic labels/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.

FRONT PANEL CONTROLS-HR7012MA

HR7012MA

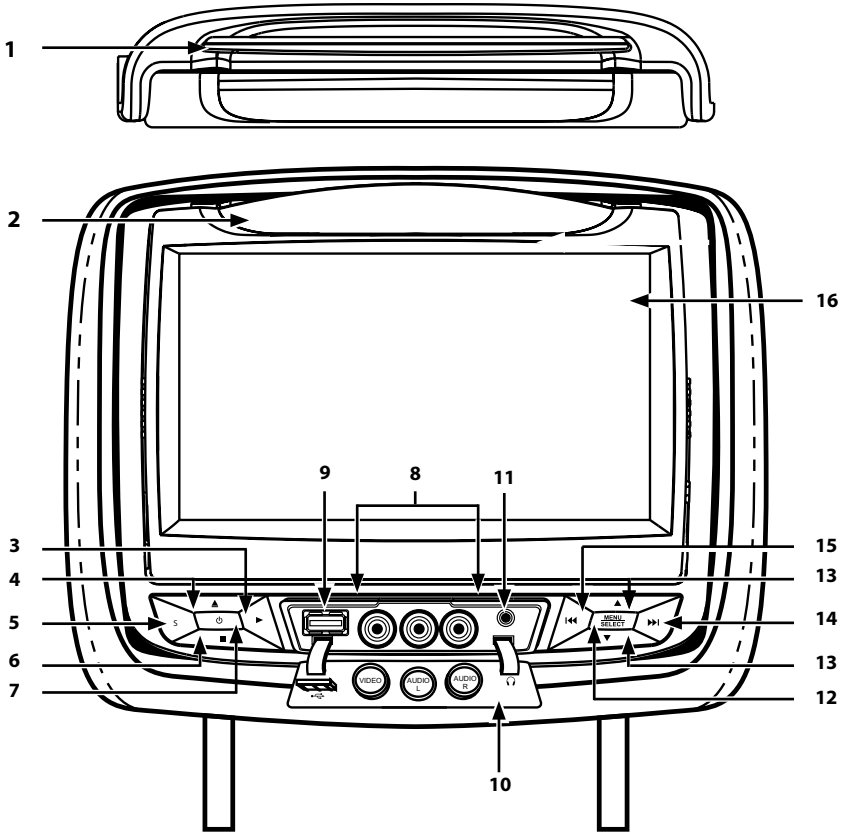


Figure 8

FRONT PANEL CONTROLS-HR7012MA (continued)

1. **DVD disc insertion slot.** (Figure 8)
2. **IR TRANSMITTER and IR SENSOR**
IR Transmitter: is used to broadcast audio signal to the wireless IR headphones.
IR Sensor: is used to receive signals from the remote control. (Figure 8)
3. **Play (▶) Button**
This button is used to begin playback of the disc or USB media inserted. (Figure 8)
4. **EJECT (▲) Button**
This button is used to eject the disc. (Figure 8)
5. **SOURCE (S) Button**
This button is used to select the DVD/USB, M1/M2, A/V IN, AUX, MEDIA or GAME (optional). (Figure 8)
6. **STOP (■) Button**
This button is used to stop the playback of the disc or USB media in use. (Figure 8)
7. **POWER (⏻) Button**
This button is used to turn the HR7012MA ON and OFF (Figures 8). (press and hold for 5 seconds to turn OFF) (Figure 8)
8. **AUX Jacks (RCA Type)**
The Jacks are intended for temporary connection of an additional AV source such as a video game device, or other audio/video devices. To play the external device connect to the AUX Jacks, press the SOURCE button on the front panel of the HR7012MA or on the remote control until "AUX" appears on the screen and press PLAY on the connected source. (Figures 8)
9. **USB PORT**
This port is used to connect a USB device for playback of content. To view content, select "DVD" as the video source and insert the USB device. The USB device will start automatically and take priority over the DVD. To play DVD's, disconnect the USB device from the port. (Figure 8)
10. **Protective Cover**
Used to protect and cover the Headset/ Earbud jack, AV Input jacks and USB port when not in use. (Figure 8)
11. **1/8" Wired Headset/Earbud Output Jack**
This jack is used to connect a standard wired headphone/earbuds. (Figure 8)
12. **MENU/SELECT Button**
This button is used to display and select options on the System Menu when a disc or USB media is not inserted. When a disc or USB media is inserted, this button is used to display and select available Disc/Media option. Press and hold this button for 3 -5 seconds to display the System Menu. (Figures 8)
13. **VOLUME UP(▲)/DOWN(▼) Buttons**
These buttons are used to raise and lower the volume. (Figures 8)
14. **NEXT / RIGHT (▶) Button**
This button is used to skip to the next chapter or track during playback of a disc. (Figure 8)
15. **PREVIOUS / LEFT (◀) Button**
This button is used to skip to the previous chapter or track during playback of a disc. (Figure 8)
16. **7-inch TFT LCD Display Screen**
(800 x 480). (Figure 8)

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.

FRONT PANEL CONTROLS-HR7012S

HR7012S

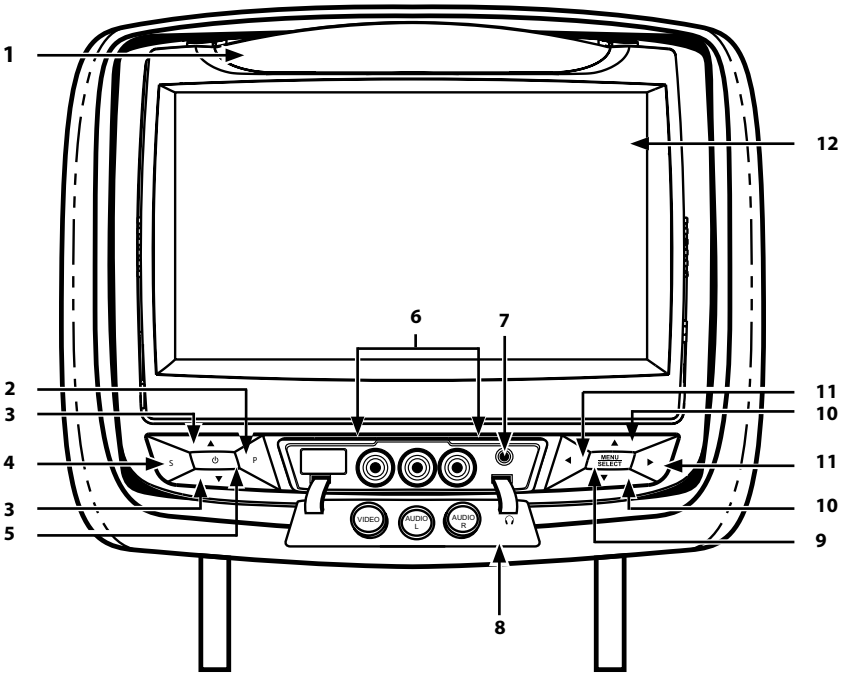


Figure 9

FRONT PANEL CONTROLS-HR7012S (continued)

1. **IR TRANSMITTER and IR SENSOR**
IR Transmitter: is used to broadcast audio signal to the wireless IR headphones.
IR Sensor: is used to receive signals from the remote control. (Figure 9)
2. **PIX (P) Button**
 This button is used to control levels of Brightness, Contrast, Color, Tint and to Reset all picture adjustment levels to original factory settings. (Figure 9)
3. **VOLUME UP(▲)/DOWN(▼) Buttons**
 These buttons are used to raise and lower the volume. (Figure 9)
4. **SOURCE (S) Button**
 This button is used to select the A/V IN, AUX, M2 or GAME (optional). (Figure 9)
5. **POWER (⏻) Button**
 This button is used to turn the HR7012S ON and OFF (press and hold for 5 seconds to turn OFF) (Figures 9).
6. **AUX Jacks (RCA Type)**
 The Jacks are intended for temporary connection of an additional AV source such as a video game device, or other audio/video devices. To play the external device, connect to the AUX Jacks, press the SOURCE button on the front panel of the HR7012S or on the remote control until "AUX" appears on the screen and press PLAY on the connected source. (Figure 9)
7. **1/8" Wired Headset/Earbud Output Jack**
 This jack is used to connect standard wired headphones/earbuds. (Figure 9)
8. **Protective Cover**
 Used to protect and cover the Headset/Earbud jack and AV Input jacks when not in use. (Figure 9)
9. **MENU/SELECT Button**
 This button is used to display and select options on the System Menu. Press and hold this button for 3 -5 seconds to display the System Menu. (Figure 9)
10. **UP(▲)/DOWN(▼) Buttons**
 These buttons are used to navigate menu selections on the screen in an Up or Down direction. (Figure 9)
11. **LEFT(◀)/RIGHT(▶) Buttons**
 These buttons are used to navigate menu selections on the screen in a LEFT or RIGHT direction. (Figure 9)
12. **7-inch TFT LCD Display Screen**
 (800 x 480). (Figure 9)

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.

FRONT PANEL CONTROLS-HR7012D
HR7012D

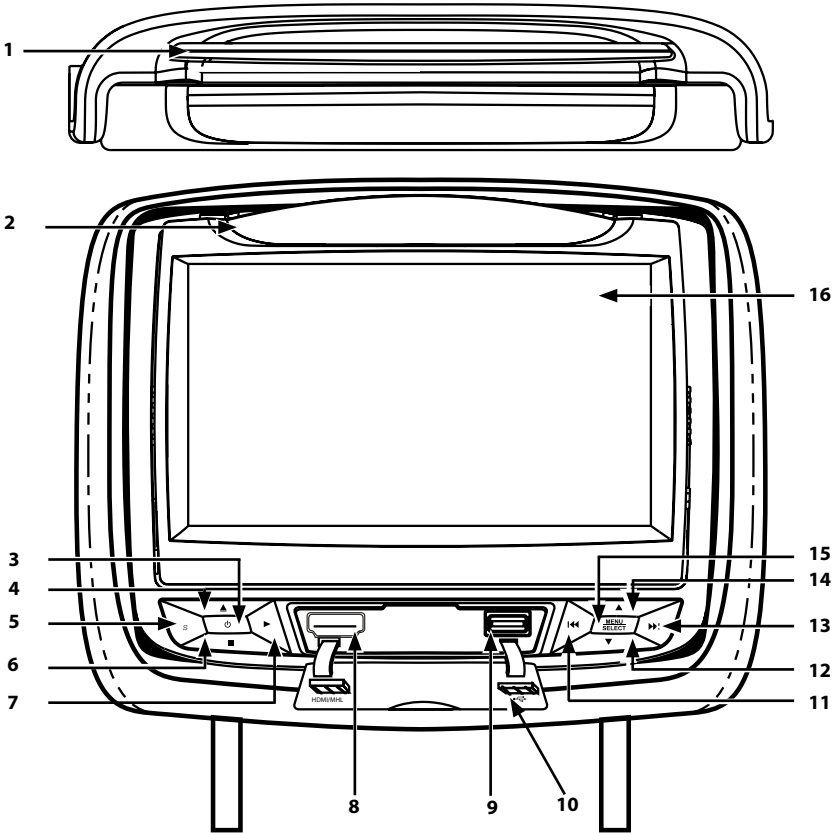


Figure 10

FRONT PANEL CONTROLS-HR7012D (continued)

1. **DVD disc insertion slot. (Figure 10)**
2. **IR TRANSMITTER and IR SENSOR**
IR Transmitter: is used to broadcast audio signal to the wireless IR headphones.
IR Sensor: is used to receive signals from the remote control. (Figure 10)
3. **POWER (⏻) Button**
 This button is used to turn the HR7012D ON and OFF. (Figure 10) (press and hold for 5 seconds to turn OFF)
4. **EJECT (▲) Button**
 This button is used to eject the disc. (Figure 10)
5. **SOURCE (S) Button**
 This button is used to select the DVD/USB, M1/M2, A/V IN, or GAME (optional). (Figure 10)
6. **STOP (■) Button**
 This button is used to stop the playback of the disc or USB in use. (Figure 10)
7. **Play (▶) Button**
 This button is used to begin playback of the disc or USB inserted. (Figure 10)
8. **HDMI/MHL INPUT**
 For connection of a device with HDMI/MHL output. (Figure 10)
NOTE: Requires a HDMI/MHL enabled device and a special HDMI/MHL adapter. Contact your HDMI/MHL device supplier for adapter. (see page 36 for more information)
9. **USB PORT**
 This port is used to connect a USB device for playback of content. To view content, select "DVD" as the video source and insert the USB device. The USB device will start automatically and take priority over the DVD. To play DVD's, disconnect the USB device from the port. This port may be used to charge a cellphone or tablet see page 37 for more information. (Figure 10)
10. **Protective Cover**
 Used to protect and cover the HDMI jack and USB port when not in use. (Figure 10)
11. **PREVIOUS / LEFT (◀) Button**
 Press and hold to skip to the previous chapter or track during playback of a disc. This button is used in the SYSTEM MENU to adjust settings. (Figure 10)
12. **DOWN (▼) Button**
 This button is used to navigate selections on the screen and can also be used to navigate the DVD menu. (Figure 10)
13. **NEXT / RIGHT (▶) Button**
 Press and hold to skip to the next chapter or track during playback of a disc. This button is used in the SYSTEM MENU to adjust settings. (Figure 10)
14. **UP (▲) Button**
 This button is used to navigate selections on the screen and can also be used to navigate the DVD menu. (Figure 10)
15. **MENU/SELECT Button**
 This button is used to display and select options on the System Menu when a disc or USB media is not inserted. Press and hold this button for 3 -5 seconds to display the System Menu. (Figure 10)
16. **7-inch TFT LCD Display Screen**
 (800 x 480). (Figure 10)

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.

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 using the remote control for the first time. (Figure 11)

NOTE: *The remote control will only operate with the HR7012 rear seat video headrest system. It is not a universal remote control and will not control other equipment.*

Remote control
Back View



Figure 11

Protective Pull Tab (Clear Plastic)

Replacing the Remote Control Battery

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 12)
2. Remove the old battery and discard.
3. Install a new CR2025 battery (1). (Figure 13)
4. Slide the battery holder back into the remote control until it locks. (Figure 13)

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

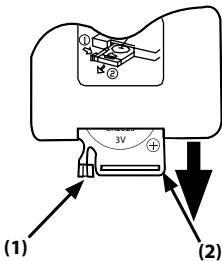


Figure 12

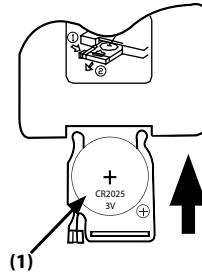


Figure 13

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 14)
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 14)

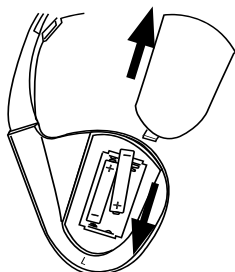


Figure 14

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. **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 the remote controls
NOTE: Do not use different types.
- Use two AAA (1.5v) Alkaline batteries in each of the headphones.
NOTE: Always use fresh Alkaline Batteries of the same brand, 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 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.

REMOTE CONTROL OPERATION

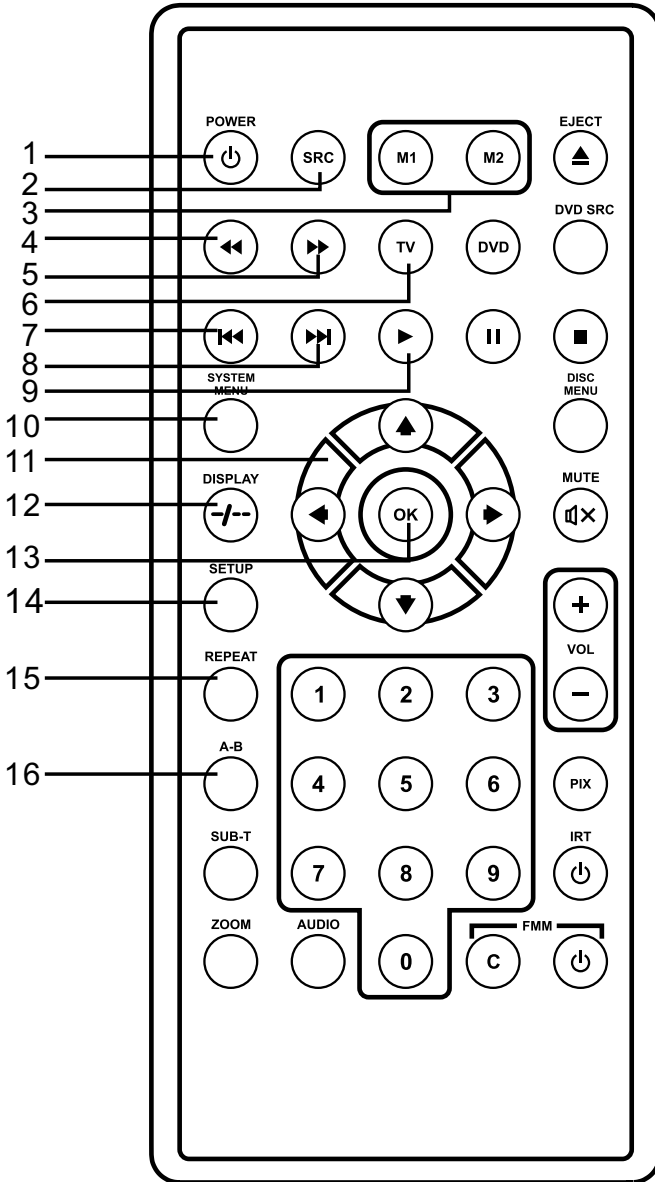


Figure 15

REMOTE CONTROL OPERATION (continued)

1. **POWER (⏻)**
Press this button to turn the system ON and OFF. (Figure 15)
2. **SOURCE (SRC)**
Press this button to change the AV source. (Figure 15)
NOTE: Source selection is model dependent (see pages 8-13 for sources)
3. **Monitor Select (M1 and M2)**
Press this button to select a monitor to control. (Figure 15)
M1- Press to control the M1 monitor.
M2- Press to control the M2 monitor.
4. **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 15)
5. **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 15)
6. **TV**
Refer to Item 12.
7. **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 15)
8. **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 15)
9. **PLAY (▶)**
Press this button to initiate play mode when a disc is loaded in the disc compartment. (Figure 15)
10. **SYSTEM MENU**
This button is used to make system setup adjustments. See pages 20 - 30 for details. (Figure 15)
11. **UP/DOWN/LEFT/RIGHT Arrows**
Use these buttons to navigate the menu selections on the screen. (Figure 15)
12. **DISPLAY**
Press the TV button (4) and the DISPLAY button to show monitor status, modulator status, IR Transmitter status, M1/M2 ID, Source status.
NOTE: If 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 to show current disc information while the disc is playing.
In DVD mode, press the DVD button (31) and the DISPLAY button (16) 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 15)
13. **OK**
Press this button to make an OSD selection. (Figure 15)
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 15)
NOTE: Unit must be set to DVD source.
15. **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 15)
16. **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 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 15)

REMOTE CONTROL OPERATION (continued)

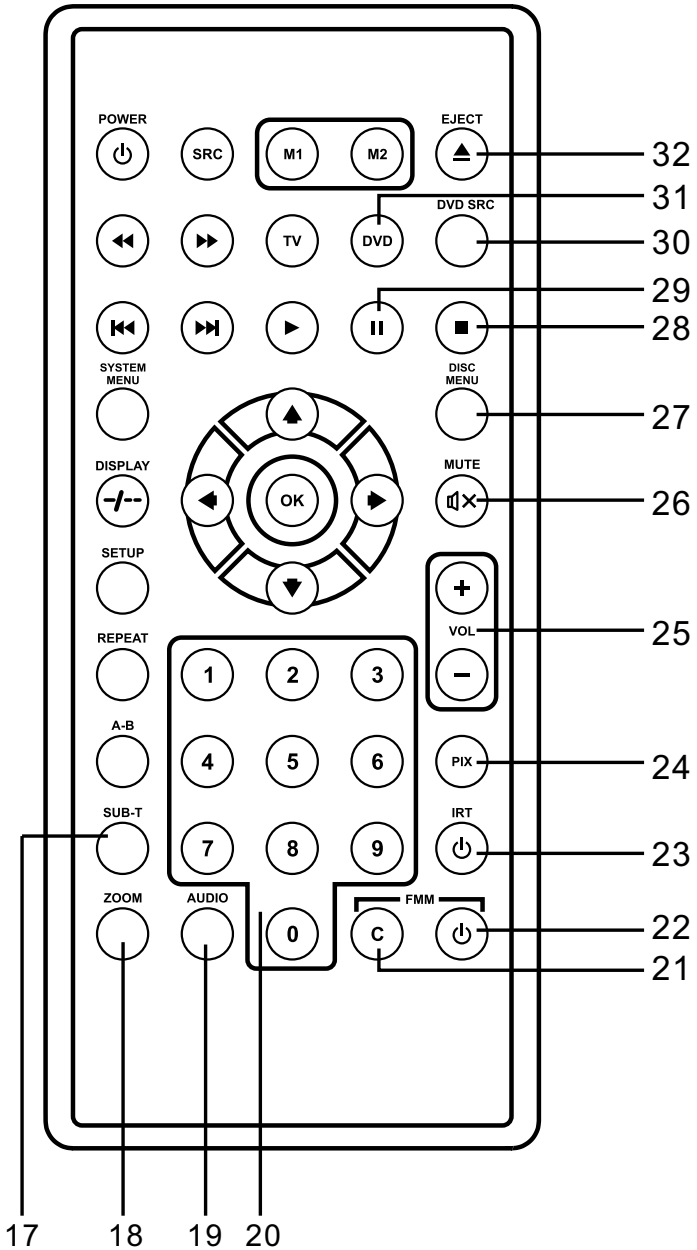


Figure 16

REMOTE CONTROL OPERATION (continued)

17. SUB-T (DVD MODE ONLY)

If the DVD playing has different subtitle options, press this button to display and select the desired available subtitle language. (Figure 16)

NOTE: *The subtitle selections vary from disc to disc.*

18. ZOOM

Press this button to enlarge the picture when playing a DVD disc. Press repeatedly to change the zoom from Zoom 2, Zoom 3, Zoom 4, Zoom 1/2, Zoom 1/3, Zoom 1/4 and Zoom OFF. (Figure 16)

19. 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 16)

NOTE: *The audio languages vary from disc to disc.*

20. NUMBERS

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

21. FM Modulator Channel Select (C) (M1 Monitor only)

Press this button to display the available FM modulator frequencies. (Figure 16)

22. FMM ON/OFF (⏻) (M1 Monitor only)

This button is used to turn the wireless FM Modulator ON and OFF. (Figure 16)

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 16)

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 16)

25. VOLUME DOWN (-) or UP (+)

Used to adjust the volume on wired Headphones (HR7012MA and HR7012S only).

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 16)

27. DISC MENU

Press this button to access the DVD root menu. Press again to resume playing the movie. In photo mode, press once for a thumbnail view. Press and hold 3 to 4 seconds to go to the Directory/ Preview modes. (Figure 16)

28. STOP (■)

Press this button to stop playback of disc. (Figure 16)

29. PAUSE (⏸)

Press this button to pause the playback of a disc. Pressing pause again or pressing the Play button will resume normal playback. (Figure 16)

30. DVD Source

This button is only active when the remote control is in the DVD mode and a USB device is connected. This button is used to switch between sources (DVD and USB). (Figure 16)

31. DVD Mode Select

Press this button to control DVD functions. (Figure 16)

32. EJECT (▲)

Press this button to eject the disc from the disc slot. (Figure 16)

SYSTEM MENU

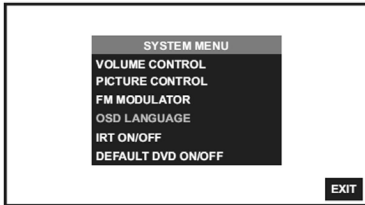
The *System Menu* allows the user to personalize the HR7012 settings. It is used in the initial setup to adjust the picture quality and customize adjustable functions. Once the initial settings are customized, they will remain the same until modified or reset to the factory default settings.

NOTE: System Menu changes are best made without a DVD inserted into the unit.

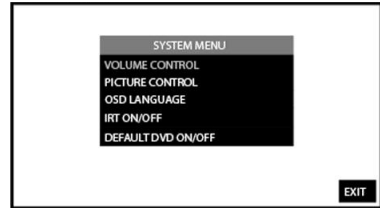
This section describes how to adjust and set settings using the six setup screens (Figure 17):

1. VOLUME CONTROL (HR7012MA) and (HR7012S)
2. PICTURE CONTROL
3. FM MODULATOR (M1 Only)
4. OSD LANGUAGE
5. IRT ON/OFF
6. DEFAULT DVD ON/OFF: (HR7012MA) and (HR7012D)
-or-
DEFAULT AUTO ON/OFF: (HR7012S)

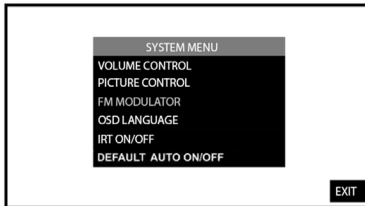
HR7012MA (M1)



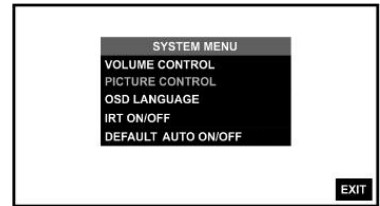
HR7012MA (M2)



(HR7012S) (M1)



HR7012S (M2)



HR7012D (M1)



HR7012D (M2)

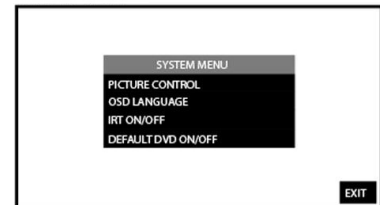


Figure 17

SYSTEM SETUP MENU (continued)

Using the System Menu

Navigating and selecting available settings in the System Menu is accomplished using the Remote Control buttons (Figure 18), or the Front Panel buttons (Figure 19).

Follow the steps outlined in this section to select and customize each of the five or six adjustable functions (Sub-Menus) on the previous page, and refer to the sections that apply.

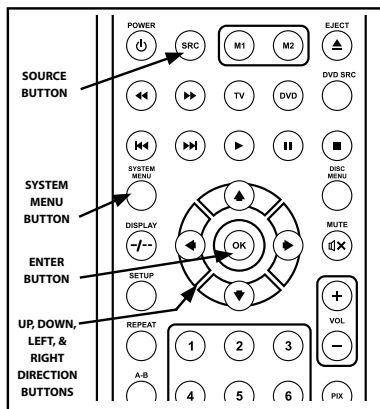


Figure 18

NOTE: Press and Hold the MENU/SELECT button for 5 seconds to access the System Menu.

SYSTEM SUB-MENUS

1. Press the **SYSTEM MENU** button on the remote control (Figure 18) or Press and hold the **MENU/SELECT** button on the front panel of the system for 3 to 5 seconds (Figure 19) to show the **SYSTEM MENU**.
2. Use the **UP/DOWN** direction buttons to select the desired setting in the System Menu screen and press the **OK** button or **MENU/SELECT** button to select the Sub-Menu screen.
NOTE: Selected Items in the System Menu and the Sub-Menus will be highlighted in green.
3. Use the **UP, DOWN, LEFT** and **RIGHT** direction buttons to select an item in the Sub-Menu screen and then press the **OK** button or **MENU/SELECT** button to select.
4. To exit System Menu screen or the Sub-Menu screens at anytime, use the **UP/DOWN** direction button on the remote control or the front panel to highlight EXIT and press the **OK** or **MENU/SELECT** button.
NOTE: The System Menu and all Sub-Menus will automatic disappear from main screen **OK** button within 5 or 6 seconds if no selections have been made.

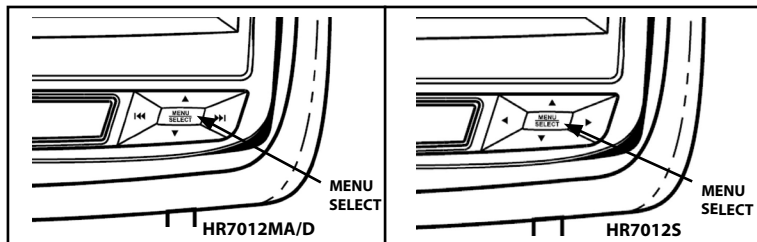
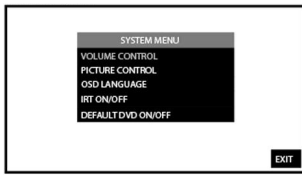


Figure 19

SYSTEM SETUP SUB-MENUS

VOLUME CONTROL (Wired Headphones Only)

(HR7012MA)



(HR7012S)

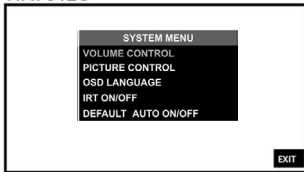


Figure 20

VOLUME CONTROL from the Front Panel (M1 and M2) (HR7012MA and HR7012S only): (Figure 20)

1. Press and hold the **MENU/SELECT** button on the front panel of the system (Figure 19) for 3 to 5 seconds to show the **System Menu**. (Figure 20)
2. Use the **UP/DOWN** direction buttons to select **Volume Control** and press the **MENU/SELECT** button to enter the sub-menu (Figure 20).
3. Using the **LEFT / RIGHT** direction buttons, adjust the volume level from "0" to "32" as desired. **NOTE: Default control volume level set at level 10.**
4. After volume level selection is made, the **Volume Control** sub-menu will automatically disappear from main screen within 5 or 6 seconds, or press the **MENU/SELECT** button again to return to the **System Menu**.

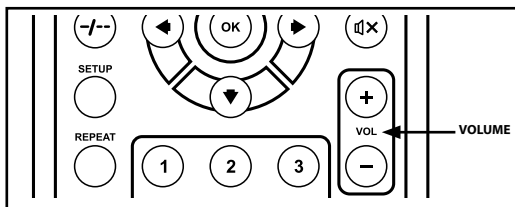


Figure 21

VOLUME CONTROL from the Remote Control (Figure 21):

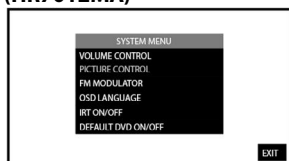
1. Select M1 or M2 on the Remote Control.
2. Using the **Volume +/-** direction buttons adjust the volume level from "0" to "32" as desired. **NOTE: Default control volume level set at level 10.**
3. After volume level selection is made, the volume control bar will automatically disappear from main screen within 5 or 6 seconds.

NOTE: *There is no volume control on the HR7012D*

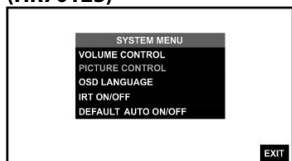
SYSTEM SETUP SUB-MENUS (continued)

PICTURE CONTROL

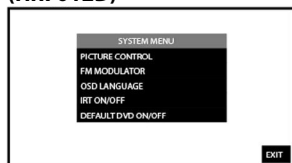
(HR7012MA)



(HR7012S)



(HR7012D)



NOTE: *Picture control settings for DVD mode are separate from the other A/V sources. After adjusting the DVD picture controls, the user can make separate settings for the other A/V sources.*

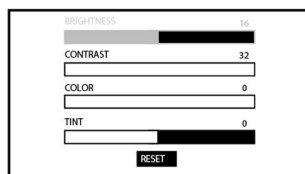


Figure 22

PICTURE CONTROL from the Front Panel (M1 and M2) (Figure 22):

1. Press and hold the **MENU/SELECT** button on the front panel of the system (Figure 19) for 3 to 5 seconds to show the *System Menu*. (Figure 22)
2. Use the **UP/DOWN** direction buttons to select *Picture Control* and press the **Menu/Select** button to enter the sub-menu.
3. Use the **UP** or **DOWN** direction buttons to select one of the five selections in the Sub-Menu (Brightness, Contrast, Color, Tint and Reset). Using the **LEFT/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 levels for Tint is set from "-16" to "+16". No Tint Control in PAL Mode.*
4. After level setting(s) are made, the *Picture Control* sub-menu will automatically disappear from main screen within 5 or 6 seconds, or press the **Menu/Select** button again to return to the *System Menu*.
5. Select **RESET** to return picture setting controls back to factory default.

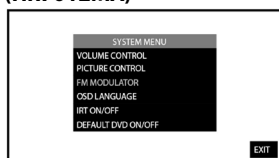
PICTURE CONTROL from the Remote Control:

1. Select "M1" or "M2" and press the **PIX** button to select *Picture Control*.
2. Use the **UP/DOWN** direction buttons to select one of the five selections in the Sub-Menu (Brightness, Contrast, Color, Tint and Reset). Using the **LEFT/RIGHT** direction buttons, adjust the level of the selected picture setting. **NOTE:** *Levels are set from "0" to "32" for Brightness, Contrast and Color. The levels for Tint is set from "-16" to "+16". No Tint Control in PAL Mode.*
3. After level setting(s) are made, the *Picture Control* sub-menu will automatically disappear from main screen within 5 or 6 seconds, or press the **PIX** button again.
4. Select **RESET** to return the picture setting control back to factory defaults.

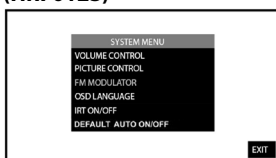
SYSTEM SETUP SUB-MENUS (continued)

FM MODULATOR

(HR7012MA)



(HR7012S)



(HR7012D)

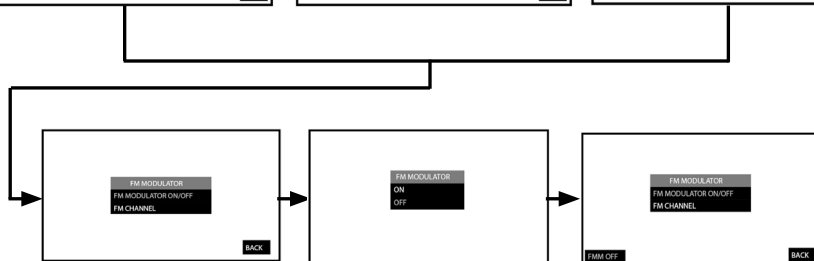
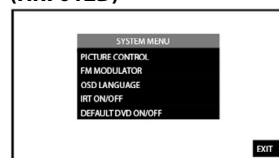


Figure 23

FM MODULATOR ON/OFF from the Front Panel (Figure 23):

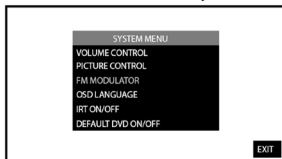
1. Press and hold the **MENU/SELECT** button on the front panel of the system for 3 to 5 seconds to show the **System Menu**. (Figure 23)
2. Use the **UP/DOWN** direction buttons to select **FM Modulator** and press the **MENU/SELECT** button to enter the sub-menu.
3. Use the **UP/DOWN** direction buttons to select **FM Modulator ON/OFF** and press **MENU/SELECT** button to enter selection.
4. Use the **UP/DOWN** direction buttons to select FM Modulator **ON** or **OFF** and press the **MENU/SELECT** button to enter selection. When **ON** is selected, the FM Modulator screen will display the channel/frequency the system is set to. When **OFF** is selected, the FM Modulator screen will display **FMM OFF**.
5. The FM Modulator sub-menu will automatically disappear from main screen within 5 or 6 seconds, or use the **UP/DOWN** direction buttons to select **BACK** to return to the **System Menu**.

NOTE: See page 25 for FM channel selection.

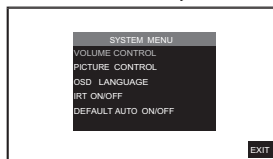
SYSTEM SETUP SUB-MENUS (continued)

FM CHANNEL

HR7012MA (M1 only)



HR7012S (M1 only)



HR7012D (M1 only)

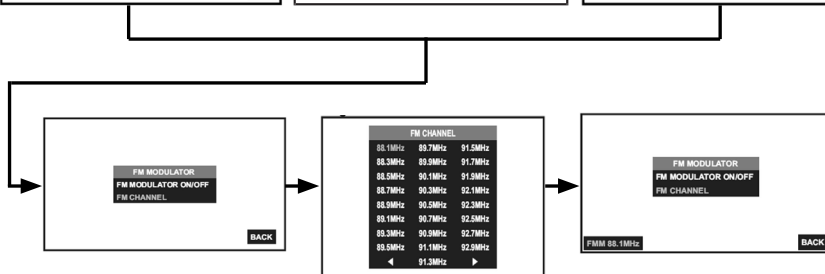
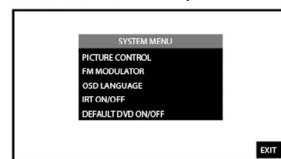


Figure 24

FM CHANNEL from the Front Panel (M1 Only) (Figure 24):

1. Press and hold the *MENU/SELECT* button on the front panel of the system (Figure 19) for 3 to 5 seconds to show the *System Menu*. (Figure 24)
2. Use the *UP/DOWN* direction buttons to select *FM Modulator* and press the *MENU/SELECT* button to enter the sub-menu.
3. Use the *UP/DOWN* direction buttons to select *FM Channel* and press *MENU/SELECT* button to enter selection.
4. Use the *UP/DOWN/LEFT* and *RIGHT* direction buttons to select the best channel/frequency from a four page list of one hundred possibilities then press the *MENU/SELECT* button to enter selection.
5. When a channel/frequency is selected, the FM Modulator screen will display the channel/frequency the system is set to.
6. The FM Modulator sub-menu will automatically disappear from main screen within 5 or 6 seconds, or use the *UP/DOWN* direction buttons to return to the *System Menu*.

SYSTEM SETUP SUB-MENUS (continued)

FM Channel From the Remote Control (Figure 25):

1. Select "M1" on the Remote Control.
2. Press the *System Menu* button then use the *UP/DOWN* direction buttons to select *FM Modulator* and press the *Enter* button to enter the FM Modulator sub-menu.
3. Use the *UP/DOWN/LEFT* and *RIGHT* direction buttons to select the best channel/frequency from a four page list of one hundred possibilities then press the *MENU/SELECT* button to enter selection. **NOTE: When a channel/frequency is selected, the FM Modulator screen will display the channel/frequency the system is set to.**
4. The FM Modulator sub-menu will automatically disappear from main screen within 5 or 6 seconds, or use the *UP/DOWN* direction buttons to select "*BACK*" to return to the *System Menu*.

FM MODULATOR ON/OFF Direct Access Button on the Remote Control (Figure 25):

1. Press the *FMM ON/OFF* button on the remote control to turn the FM Modulator ON and OFF. When *ON* is selected, the channel/frequency (FMM xxxxMHz) 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. The displayed selection will automatically disappear from main screen within 5 or 6 seconds. (Figure 25)

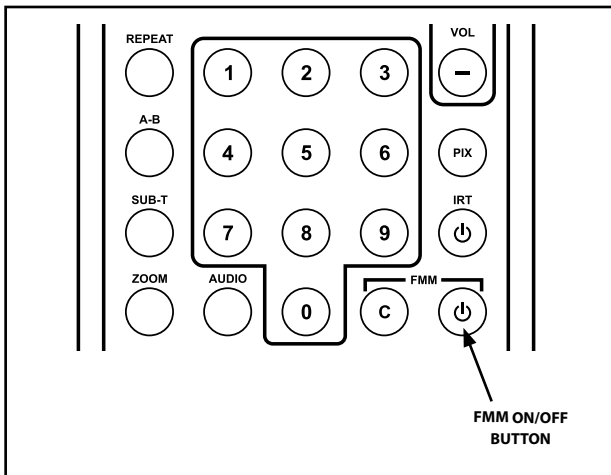
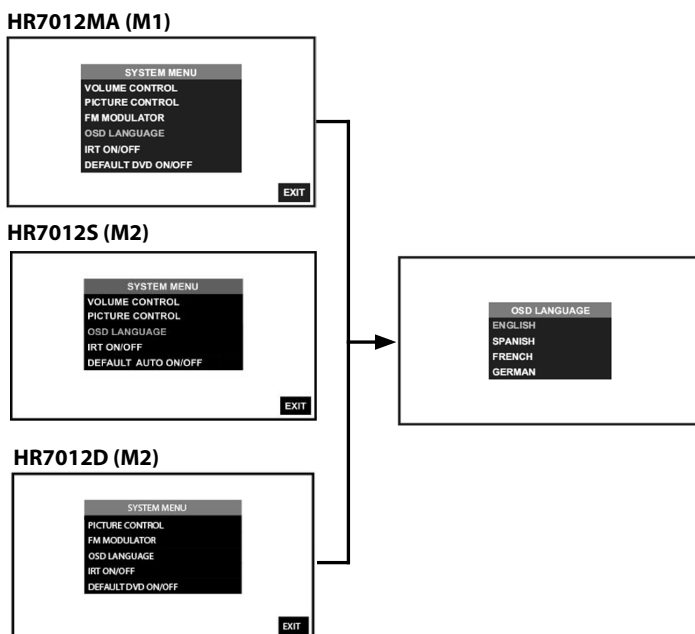


Figure 25

SYSTEM SETUP SUB-MENUS (continued)**OSD LANGUAGE****Figure 26****OSD LANGUAGE from the Front Panel (M1 and M2) (Figure 26):**

1. Press and hold the *MENU/SELECT* button on the front panel of the system (Figure 19) for to 5 seconds to show the *System Menu*. (Figure 26)
2. Use the *UP/DOWN* direction buttons to select *OSD Language* and press the *MENU/SELECT* button to enter the sub-menu.
3. Use the *UP/DOWN* direction buttons to select the desired language then press the *MENU/SELECT* button to save the setting.

OSD 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 (Figure 15) to select *OSD Language* and press the *ENTER* button to enter the OSD Language sub-menu.
6. Use the *UP/DOWN* direction buttons to select the desired language then press the *OK* button to save the setting.

SYSTEM SETUP SUB-MENUS (continued)

IRT ON/OFF

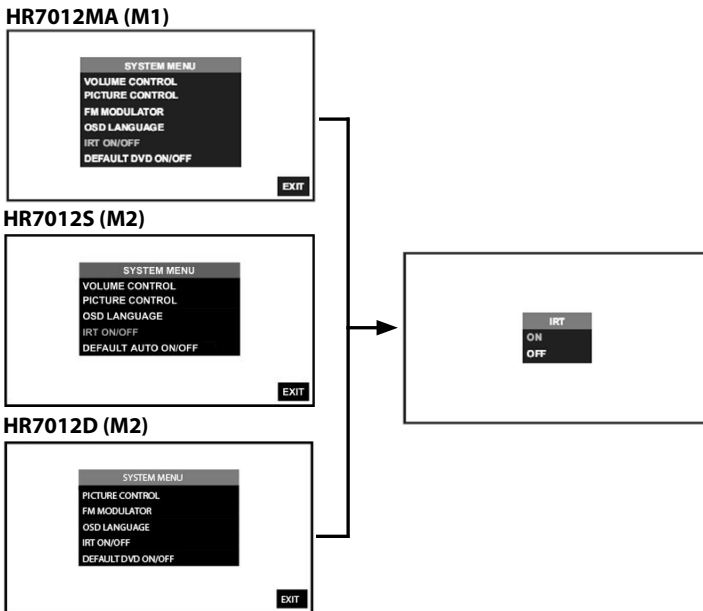


Figure 27

IRRT ON/OFF (M1 and M2) from the Front Panel(Figure 27):

1. Press and hold the *MENU/SELECT* button on the front panel (Figure 19) of the system for 3 to 5 seconds to show the *System Menu*. (Figure 27)
2. Use the *UP/DOWN* direction buttons to select *IRT ON/OFF* and press the *MENU/SELECT* button to enter the sub-menu.
3. Use the *UP/DOWN* direction buttons to select *IRT ON* or *OFF* and press the *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.

IRT ON/OFF (M1 and M2) 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 (Figure 15) to select *IRT ON/OFF* and press the *OK* button to enter the sub-menu.
6. Use the *UP/DOWN* direction buttons to turn the *IRT 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.

IRT ON/OFF Direct Access Button on the Remote Control

7. Select M1 or M2 on the Remote Control.
8. Press the *IRT ON/OFF* button to turn the *IRT ON* or *OFF*. 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 and will disappear from screen within 5sec - 6sec.

SYSTEM SETUP SUB-MENUS (continued)

DEFAULT DVD ON/OFF (NOT AVAILABLE ON HR7012S)

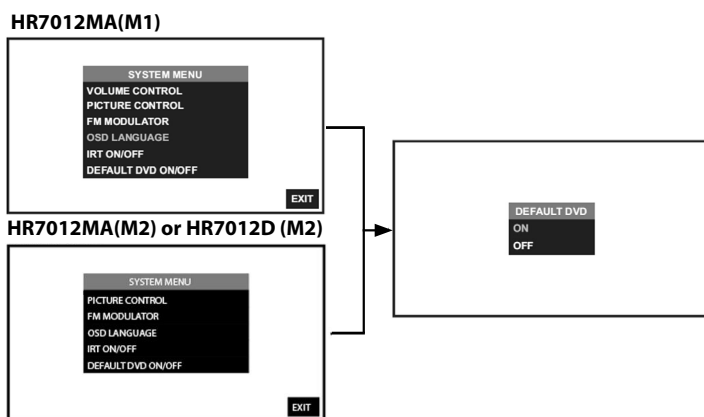


Figure 28

With the “Default DVD ON” feature selected, the unit 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 (Figure 28):

1. Press and hold the *MENU/SELECT* button on the front panel (Figure 19) of the system for 3 to 5 seconds to show the *System Menu* (Figure 28)
2. Use the *UP/DOWN* direction buttons to select *DEFAULT DVD ON/OFF* and press the *MENU/SELECT* button to enter the sub-menu.
3. Use the *UP/DOWN* direction buttons to select *DEFAULT DVD ON* or *OFF* and press the *MENU/SELECT* button to enter selection.

Default DVD ON/OFF from the Remote Control

1. Select “M1” or “M2” on the Remote Control.
2. Press the *System Menu* button then use the *UP/DOWN* direction buttons (Figure 15) to select *DEFAULT DVD ON/OFF* and press the *ENTER* button to enter the sub-menu.
3. Use the *UP/DOWN* direction buttons to select *DEFAULT DVD ON* or *OFF* and press the enter button to make the selection.

SYSTEM SETUP SUB-MENUS (continued)

DEFAULT AUTO ON/OFF (ONLY AVAILABLE ON HR7012S)

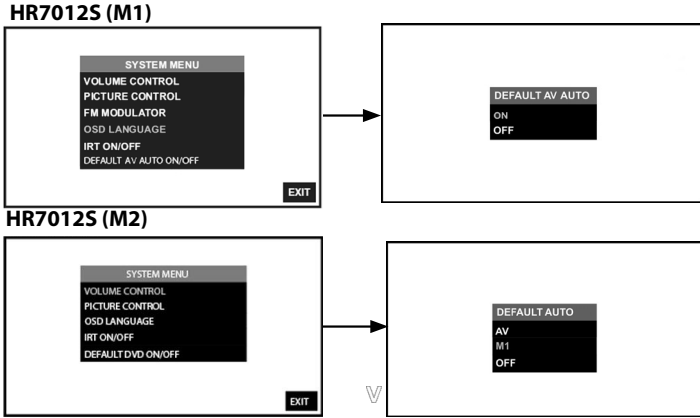


Figure 29

Default AUTO ON/OFF from the Front Panel (Figure 29):

1. Press and hold the *MENU/SELECT* button on the front panel (Figure 19) of the system for 3 to 5 seconds to show the *System Menu*. (Figure 29)
2. Use the *UP/DOWN* direction buttons to select *DEFAULT AUTO ON/OFF* and press the *MENU/SELECT* button to enter the sub-menu.
3. Use the *UP/DOWN* direction buttons to select Default Auto *AV, M1 or OFF* and press the *MENU/SELECT* button to enter selection.

NOTE:

- Default Auto AV: HR7012S monitor(s) will automatically turn ON when a connected video source is detected and turned ON. **NOTE: This feature will only work if the system is installed with an external source connected to the A/V IN of the unit.**
- Default Auto M1: HR7012S (M2) monitor(s) will automatically turn ON when the HR7012MA (M1) is first turned ON.
- Default Auto OFF: HR7012S (M2) monitor(s) will not turn ON automatically when HR7012MA (M1) is turned ON or if a connected video source is detected and turned ON.

Default AV AUTO ON/OFF from the Remote Control

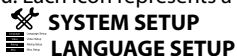
1. Select "M1" or "M2" on the Remote Control.
2. Press the *SYSTEM MENU* button then use the *UP/DOWN* direction buttons (Figure 15) to select *DEFAULT AV AUTO ON/OFF* and press the *ENTER* button to enter the sub-menu.
3. Use the *UP/DOWN* direction buttons to select *DEFAULT AV AUTO ON/OFF* and press the *ENTER* button to enter the sub-menu.

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 30. There are 2 icons on the left side of the Setup Menu. Each icon represents a page for:



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 30)

- 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.

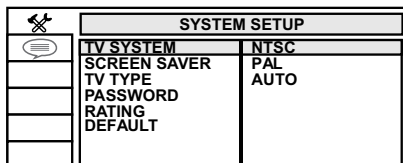


Figure 30

SCREEN SAVER

This option allows the operator to set the Screen Saver mode. (Figure 31)

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.

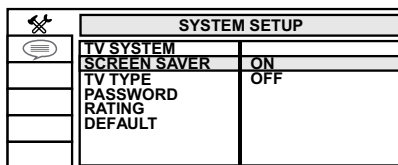


Figure 31

TV TYPE

The TV TYPE setup allows you to set the screen aspect ratio. (Figure 32)

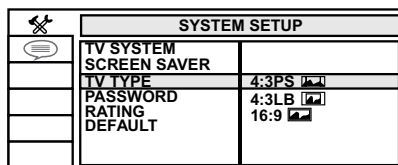


Figure 32

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.

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 33) The restriction of viewing disc content by younger users may be available on some discs but not on others.

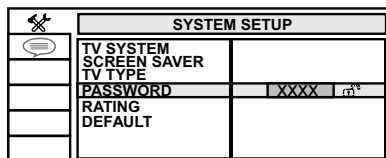
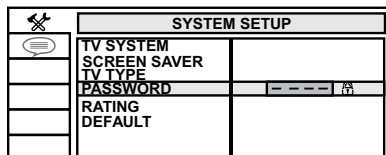


Figure 33

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 34)

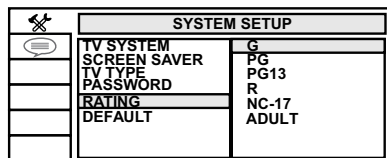


Figure 34

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 34)

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 35)

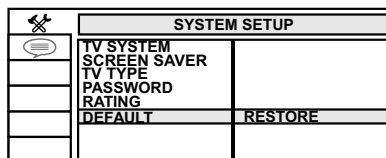


Figure 35

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 36)

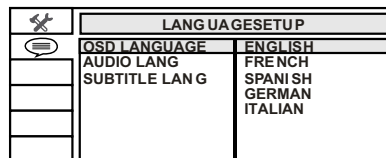


Figure 36

AUDIO LANGUAGE

The AUDIOLANG setup option page allows the user can select the audio language (ENGLISH, FRENCH, SPANISH, GERMAN, ITALIAN, CHINESE, JAPANESE or THAI). (Figure 37)

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.

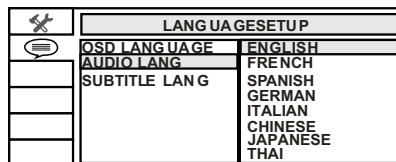


Figure 37

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 38)

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.*

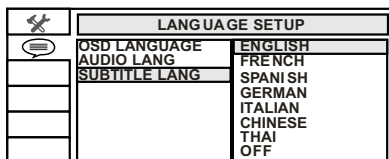


Figure 38

PLAYING DEVICES

Media Play Mode Selection

The Media Mode (Figure 39) supports the following formats:

Audio – Audio data format (MP3, WMA)

Photo – Photo data format (JPEG)

Video – Video data format (MPEG I, II)

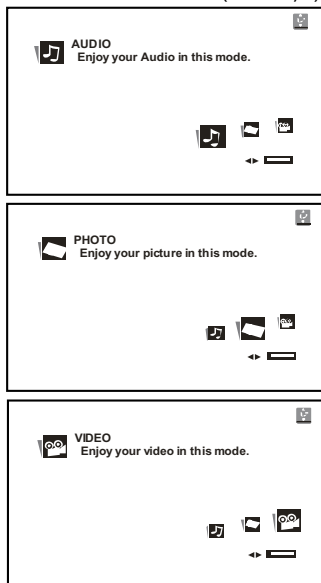


Figure 39

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.

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 toward the driver.

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).

To load and Play a Disc

1. Press the **Power** button to turn the unit ON.
2. Select DVD mode and insert the disc (label facing user) into the disc compartment.
3. Push down gently on the disc and the player will pull the disc in and playing.

DVD REGION CODES

The DVD player is preset to a region code at the factory depending on where the DVD player is sold. DVDs from a different region cannot be played in this unit and the unit will display "WRONG REGION". (Figure 40)

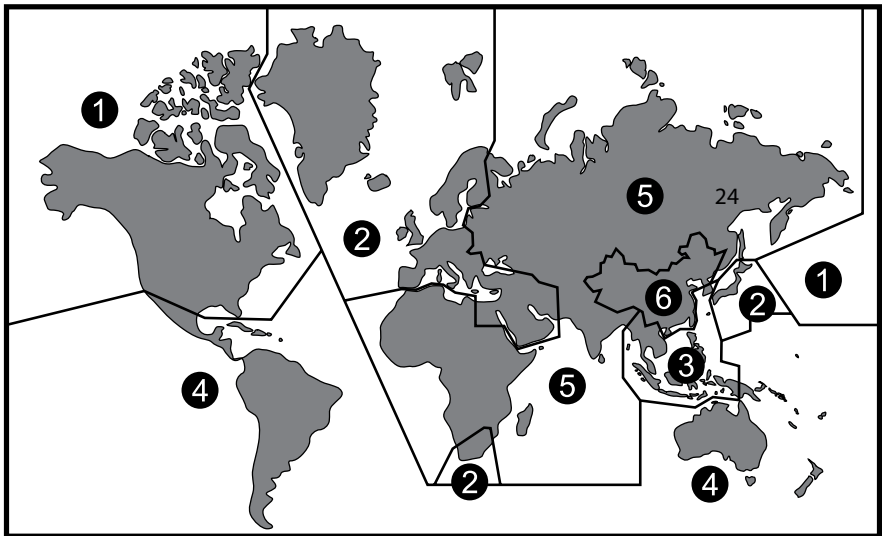


Figure 40

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

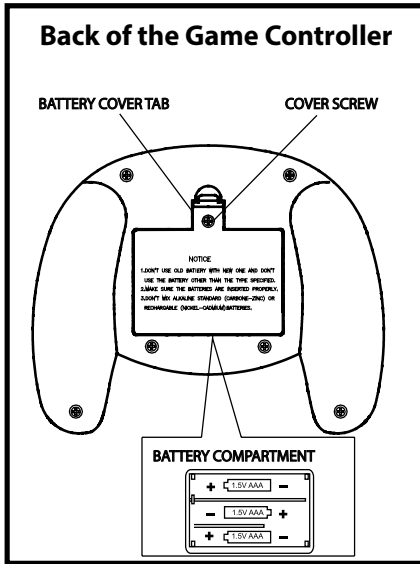


Figure 41

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

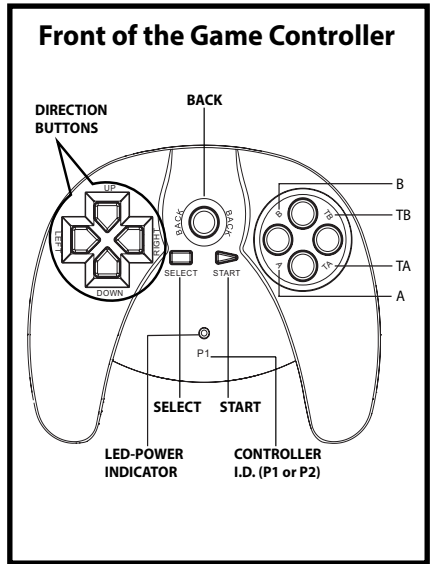


Figure 42

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
Device does not power "ON"	<ul style="list-style-type: none"> • Is the ignition turned "ON"? • Is the screen rotated to the operating position? • Are batteries installed in remote control?
IR sensor inoperative	<ul style="list-style-type: none"> • Verify that the batteries in the remote control are good. • Verify that the remote sensor eye is not obstructed. • Verify that M1 or M2 has been selected correctly.
Disc won't play	<ul style="list-style-type: none"> • Insert a disc with label side facing toward user. • Check if the disc is defective by trying another disc. • Check the type of disc you put into DVD compartment slot. This DVD player only plays DVDs, audio CDs, and MP3s. It will not play a Blu-ray disc. • Both the device and the disc are coded by region. If the regional codes don't match, the disc can't be played.
Disc plays, but then stops immediately	<ul style="list-style-type: none"> • The disc is dirty and needs cleaning. • Condensation has formed. Allow the player to dry out. • The disc is scratched. Replace the disc.
No picture	<ul style="list-style-type: none"> • Check that you are in DVD mode if playing a DVD
Distorted picture	<ul style="list-style-type: none"> • Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge. • Sometimes a small amount of picture distortion may appear. This is not a malfunction.
Cannot advance through a movie	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • If you are using the IR headphones, make sure you turn ON the IR transmitter on the DVD system. • Verify that the batteries in the IR Headphones are good. • Is volume turned "UP" on IR Headphones? • Is anything blocking signal between the monitor and the Headphones? • Make sure your DVD player is connected properly. Make sure all cables are securely inserted into the appropriate jacks. • The disc is loaded backwards. Turn the disc around so that the disc is facing towards the driver.
Device feels warm	<ul style="list-style-type: none"> • When the device 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	<ul style="list-style-type: none"> • Operations are not permitted by the disc. • Refer to the instructions in the disc inlay.

TROUBLESHOOTING (continued)

Symptom	Remedy
Picture is distorted.	<ul style="list-style-type: none"> • Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge. • The disc might be damaged, try another disc. • It is normal for some distortion to appear during forward or reverse scan.
No forward or reverse scan.	<ul style="list-style-type: none"> • Some discs have sections that prohibit rapid scanning or title and chapter skip. • 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.	<ul style="list-style-type: none"> • May require a special HDMI/MHL adapter. Contact your HDMI/MHL device supplier for the adapter. • Some devices may need to boot up before showing media.
Game source does not work	<ul style="list-style-type: none"> • The Game source can not be selected (grayed out) if the optional MVGP1 Game Module is not installed. Make sure the MVGP1 Game Module is installed and plugged in.
NO SIGNAL displayed on screen	<ul style="list-style-type: none"> • No source plugged into the A/V, or HDMI input. • Some devices may need to boot up before showing media.

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
Headphone Audio Output	0.03W @ 32 ohm

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.

USER NOTES

VOXXSM
Electronics Corporation



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

If you have any questions regarding this product or
require technical assistance, please call 1-800-225-6074