

10.2" Widescreen Monitor/ Dual-Zone System Controller

Owner's Manual

NOTICES

NOTICE OF INTENDED USE

Rosen Entertainment Systems are designed to enable viewing of video ONLY for rear-seat occupants, and are not intended for viewing by the driver when the vehicle is in motion. Such use might distract the driver or interfere with the driver's safe operation of the vehicle, and thus result in serious injury or death. Such use might also violate state or local laws.

Rosen Entertainment Systems disclaims any liability for any bodily injury or property damage that might result from any improper or unintended use.

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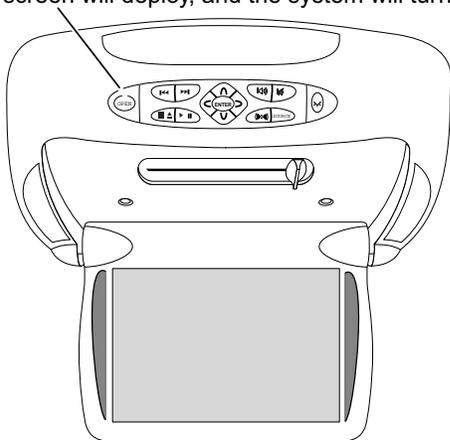
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GETTING STARTED

Use the monitor with the vehicle running, or with the ignition key switch in the “accessory” position. The M10 can be installed as a standalone monitor or as the control center for a multiple-screen system. If installed with a compatible Rosen source unit, the M10 remote control can operate basic functions of that source unit. For this reason, many M10 control buttons will only operate if an optional source unit is installed.

To Lower the Screen and Switch On the System:

Press the OPEN button on the front panel or on the remote.
The screen will deploy, and the system will turn on.



To Watch a DVD (if connected to a DVD Player):

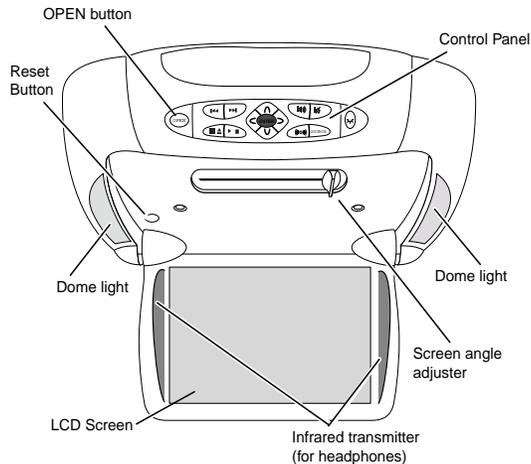
- 1 Press **SOURCE** until “DVD” is displayed. If the screen is dark, and you are using a Rosen M10-compatible DVD Player, press the **POWER** button on the remote to turn on the DVD.
- 2 Most DVD discs begin playback automatically. If a menu appears, press **PLAY** or **ENTER** as instructed on screen (compatible Rosen DVD players only).

Note: The DVD controls on the M10 remote control and front panel are compatible only with certain Rosen DVD players. Other players may be connected to the display, but will not be controlled by the remote or front panel buttons.

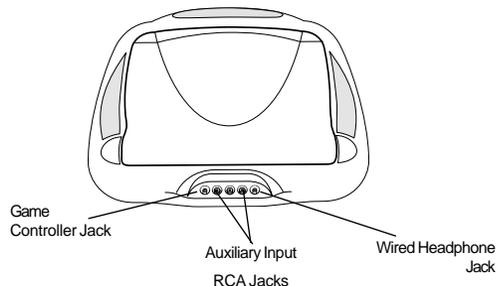
To Watch Broadcast Television (with optional TV tuner):

- 1 Press **SOURCE** until “TV Tuner “ appears on the screen. If the screen remains dark, press the **POWER** button on the remote.
 - 2 To change channels, press **UP CH** and **DOWN CH** on the remote (compatible Rosen TV Tuners only).
-

Front View of the M10



Console-mounted Input Jack Locations



To Use An External Video Source

- 1 Connect the RCA audio and video outputs of the device to the RCA inputs of the system.
- 2 Press **SOURCE** until "AUXILIARY INPUT" appears on the screen.

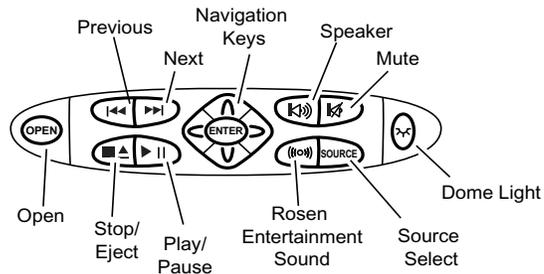
Listening Over the Vehicle Speakers

- 1 Make sure **MUTE** is off. Press **SPEAKER**. "SPEAKER SOUND ENABLED" will appear on the screen, along with an FM frequency (such as "FM 87.7").
- 2 Turn on the car radio. Tune to the FM frequency displayed on the screen. If radio interference is heard, try another frequency (see page 15 for more information.)

Using the Dome Lights

- 1 Press the **DOME LIGHT** button to turn the dome lights on or off.
Note: To prevent battery drain, the dome light automatically shuts off after 5 minutes of use.

The Front Panel Controls



INTRODUCTION

Congratulations on owning a Rosen M10 Widescreen Monitor! Here's a partial list of some things you can do with your M10:

- Display high-quality video images from DVD players, video game systems, and other video sources with composite video output.
- Transmit audio to single or dual-channel wireless headphones.
- Listen using the vehicle speakers or the wireless headphones.
- Control certain Rosen DVD players and TV Tuners with the front-panel controls or the supplied remote control.
- Send a different video signal to an optional second screen, using the M10's Dual-Zone Control capability. Add an optional second display, and two users can simultaneously play video and listen to sound from two different source units. For instance, one user can watch and listen to a DVD while the other plays a video game (both the DVD and the video game system are optional).

Precautions

In order to operate the system, the vehicle ignition key switch must be in the ACC or engine ON position.



- Use this system only if properly installed by a qualified installer.
- If the M10 shows any sign of overheating or malfunction, close the display and consult your dealer immediately. Do not open the unit - there are no serviceable parts inside.
- Do not press on the display surface - you might damage it.
- Clean the LCD panel with a slightly damp, soft cloth using household glass cleaner. **Do not** use solvents such as benzene, thinner, or commercially available cleaners.
- When using portable radios and telephones near the system, picture or sound interference may occur.
- If your car was parked in a very cold or very hot place, you may see a temperature warning on the screen instead of a picture. The picture will return after the system temperature returns to normal.

Note:

The system's operating voltage range is 11-16VDC operating voltage. The system operating temperature is 32° to 140° F (0° to 60° C). Use of the system beyond the safe operating ranges listed can cause temporary or permanent damage to the unit, and such damage may not be covered by the manufacturer's warranty.

CHANGING AND ADJUSTING THE DISPLAY

Selecting a display mode: The system's "widescreen" display has a 16:9 aspect ratio - wider than a standard television. While many DVD's provide widescreen video images that fit the screen, standard broadcast TV and some video games don't.

- To view widescreen DVD's, press the **DISPLAY MODE** button until "WIDE" is displayed on the screen.
- To watch "fullscreen" DVD's, the internal game system, or broadcast television, select "STANDARD".

Display adjustments: The display has adjustable video settings. To change these settings, press the **ENTER** button on the overhead console and hold it for two seconds. The following menu appears:

▶ COLOR	8
BRIGHT	8
TINT	8
SHARPNESS	4
CONTRAST	8
RESET	

To select a setting to be changed: Press the **DOWN** button to move the cursor down the menu list. After you reach the final setting, pressing **DOWN** will cause you to exit the menu. Selecting **RESET** will restore the original factory values for all five settings.

To change the value of a setting: Use the **LEFT** and **RIGHT** arrow buttons. The range is from 0 to 15.

Press **DOWN** to return to the display adjustments menu.

To exit the menu: Press the **DOWN** button to save settings and exit.

Note: See Page 11 for more on adjusting the Bright setting.

Note: DVD players can be configured for either a 16:9 "Wide" image output or a 4:3 standard image output. Since the M10 has a widescreen display, any installed DVD player should be configured for "Wide".

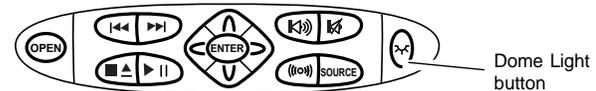
USING THE BUILT-IN DOME LIGHTS

The M10 system has built-in dome lights. In many vehicles, these built-in dome lights replace an original factory dome light which was displaced when the system was installed. The dome lights are controlled by both the Dome Light button on the front panel and by the matching Dome Light button on the remote control.

When the lights are *off*, press either button to turn them **on**.

When the lights are *on*, press either button to turn them **off**.

When the lights have been turned on manually using the Dome Light button, they will automatically turn off after all the doors are closed.



Note: Some vehicles have a dome light dimming feature that causes the light to fade out gradually after the doors are closed. The M10's dome light may not fade at the exact speed that the factory dome lights fade, but it will turn on and off normally when the doors are opened and closed.

USING THE REMOTE CONTROL

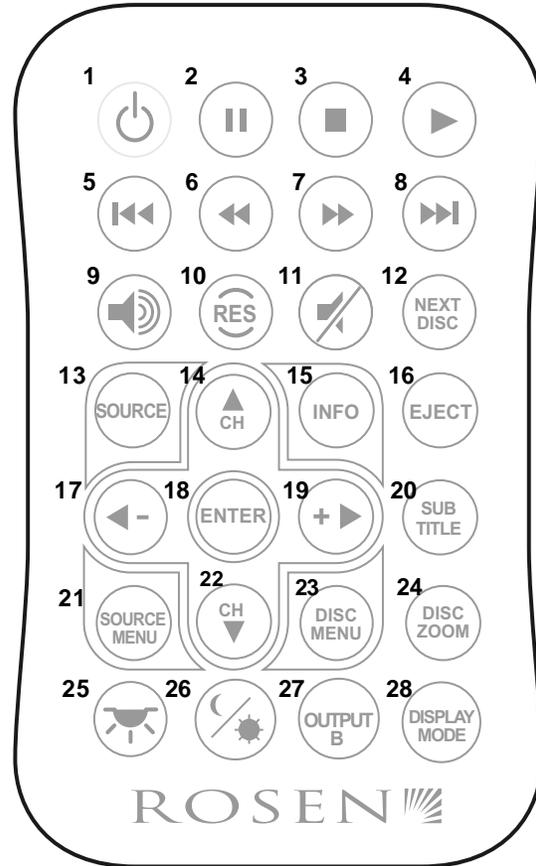
You can use the remote control to control the M10 monitor and optional Rosen DVD players and TV Tuners. The M10 has two infrared sensors to receive signals from the remote - one is built into the control panel, and the other faces forward in the vehicle, for use from the front seats. For definitions of each remote control button's specific function, see the following pages.

1	Open/ Optional Source Unit Power	15	Info
2	Pause	16	Eject
3	Stop	17	Navigate left
4	Play	18	Enter
5	Previous Chapter/Track	19	Navigate Right
6	Reverse	20	Subtitle
7	Fast forward	21	Source Unit Menu
8	Next Chapter/Track	22	Navigate Down
9	FMM Status and Frequency	23	Disc Menu
10	Rosen Entertainment Sound	24	Disc Zoom
11	Mute	25	Dome Light On/Off
12	Next Disc (w/DVD Changer only)	26	Day/Night Mode
13	Source select	27	Output B Control
14	Navigate Up	28	Display Mode

Note: If you try to perform DVD actions when not permitted (such as accessing the disc menu while a disc is loading), you'll see this symbol:



If no remote buttons work, your M10 may be set up as a second display for a Rosen A10. If you have an A10 installed, your M10 remote will operate the A10, which is the main system controller.



BASIC REMOTE CONTROL BUTTONS

1 Open/ Optional Source Unit Power

Pressing this button when the screen is closed will deploy the screen. This button also turns on some optional Rosen source units. (There is also an OPEN button on the front control panel.)

Note: The M10 turns on when the screen opens.

4 Play

Press to begin or resume playback of a DVD in a Rosen DVD Player.

*Note: When the disc is first inserted, you may have to press **PLAY** or **ENTER** to begin playback.*

3 Stop

Press once to temporarily stop playback of a Rosen DVD Player. To resume normal playback from the same point, press **PLAY**.

To play the disc from the beginning, press **STOP** twice, then **PLAY**.

Note: Once STOP is pressed twice, the player can only begin playing from the beginning of the disc.

16 Eject

Press to eject a DVD or CD from a Rosen DVD Player. After a disc is ejected, "OPEN" is displayed on the screen.

2 Pause/Frame Step

Press once to pause playback of a Rosen DVD Player. Press repeatedly to advance video frame by frame. To resume normal playback, press **PLAY**.

5 Previous Chapter/Track

Press to jump to the previous title or chapter, if available on a DVD, or to the previous track on an audio CD. (Rosen source units only).

8 Next Chapter/Track

Press to jump to the next title or chapter, if available on a DVD, or to the next track on an audio CD. (Rosen source units only)

6 Reverse

Press to search in reverse. To resume normal playback, press **PLAY**. (Rosen source units only)

7 Forward/Search

Press during playback to fast forward. Press the **RIGHT** and **LEFT** arrow buttons to adjust search direction and speed. Choose from 2x, 4x, 6x, and 8x. Press **PLAY** to resume regular play. Rosen DVDs only.

25 Day/Night

This button decreases display brightness for optimum viewing in low light conditions. The M10 system also has an automatic dimming feature which dims display brightness automatically whenever the headlights are on (this feature is not compatible with all vehicles). Using the Day/Night button temporarily overrides the M10's auto-dimming feature - it re-activates the next time you start the vehicle.

Set the Brightness level in daytime conditions with plenty of ambient light, and with the headlights off. Then the auto-dimming feature will dim the screen automatically at night, or you can use this button to switch between Day and Night modes. (See Page 10.)

USING MENU AND NAVIGATION BUTTONS

13 Source

This button lets you select an optional DVD/CD player, the optional TV Tuner, DVD Changer, or other optional auxiliary sources, if installed.

Note: The Source button on the control panel performs the same function.

14, 22 Up/Down Arrows

Press to move up or down in a menu or to change channel when watching TV (Rosen source units only).

17, 19 Left/Right Arrows

Press to move left or right in a menu. Also used to change frequencies on the FMM, after the Speaker Sound button is pressed.

18 Enter

Press to make a menu selection. (Rosen source units only.)

21 Source Menu

If the Rosen source unit selected has a Setup Menu, you can access it by pressing Source Menu. With the optional Rosen TV Tuner, this button activates the Auto-Program feature, which stores all available TV stations in the memory for easier, faster channel-changing.

15 Info

Press to view the status, current title number, track number and the total playing time of the currently-playing disc. (Rosen units only.)

USING AUDIO BUTTONS

9 Speaker Sound Control

When this button is pressed, *Speaker Sound On* appears on the screen, along with the FM frequency to which you should tune your radio, such as "FM 87.7". To change the frequency, press the Left or Right arrow buttons on the remote control. Headphone audio is not affected by this button.

FM frequencies available: 87.7, 87.9, 88.1, 88.3, 88.5, 88.7, 88.9, 106.7, 106.9, 107.1, 107.3, 107.5, 107.7, 107.9.

Note: If the frequency does not appear on screen when this button is pressed, the internal FM Modulator is not active, and an external FM Modulator is probably being used. See Page 15 for more information.

10 Rosen Entertainment Sound Processing

Rosen Entertainment Surround-sound

This button turns on and off the Rosen Entertainment Surround-sound processing. The surround-sound processing can be used while listening over the vehicle speakers, or for headphone listening.

Note: The RES button on the control panel performs the same function.

11 Mute

Press once to mute all system audio. As long as the Mute function is active, "Mute" will appear on the screen. Press again to turn Mute off.

Note: The Mute button on the control panel performs the same function.

USING DVD DISC FEATURES (ROSEN DVD PLAYERS ONLY)

20 Subtitle

This button lets you cycle through the various subtitle languages available on the DVD disc being played.

23 Disc Menu

Press to see the main menu for the DVD being played. To resume normal playback, press **PLAY**.

12 Next Disc

When the optional R5001 DVD Changer is connected, this button commands the changer to play the next disc in the magazine.

CHANGING THE SHAPE AND SIZE OF THE IMAGE

24 Disc Zoom

View the same scene on a DVD at different magnifications.

- 1 Press the **DISC ZOOM** button during playback to select among the following options: x1.5, x2, and x4.
- 2 Press the arrow buttons to shift the magnified section of the screen.
- 3 To resume normal playback, press **DISC ZOOM** until "Zoom off" is displayed.

28 Display Mode

This button lets you select from the various screen display modes.

- To view widescreen DVD's, press this button until "WIDE" is displayed on the screen. This uses the full width of the screen.
- To watch "fullscreen" DVD's or broadcast television, press until "STANDARD" is displayed. This mode uses most of the screen, but black bars will be visible on the sides, like this:

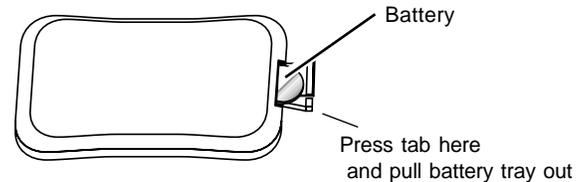


- To zoom the picture, select the "ZOOM" mode.

Note: For best results when zooming in on DVD images, use the Disc Zoom feature instead of the "ZOOM" Display Mode.

For more information about image shapes, see "Managing Black Bars", on Page 20.

REPLACING THE REMOTE BATTERY



Use a single 3V battery, type CR2025. Insert as shown. Observe the correct orientation of the battery as marked on the battery tray.

Battery life is approximately six months, depending on how often the remote is used.

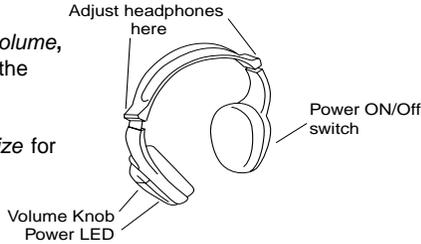
USING WIRELESS HEADPHONES

The system is compatible with wireless infrared (IR) single-channel headphones (AC3003). These headphones receive a signal from an IR transmitter built into the M10. These headphones allow rear-seat passengers to listen without using the vehicle speakers.

To turn the headphones on and off, push the Power ON/OFF button on the right ear piece. The Power LED on the left ear piece indicates when headphone power is on. Power turns off automatically after three minutes of no audio, in order to preserve battery life.

To adjust the headphone volume, rotate the thumb wheel on the headphones.

To adjust the headphone size for differently-sized heads, slide the top as needed.

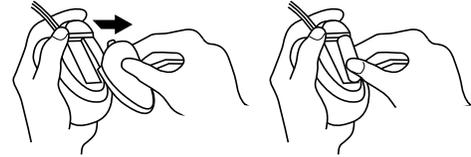


The M10 IR transmitter has two output channels, A and B. Using A and B, the M10 can transmit two different audio programs at the same time. When using optional Rosen AC3072 dual-channel headphones, listeners can switch between Channels A and B. For more, see P. 19.

When the M10 is installed as a second display for a Rosen A10 system, the A10 is the infrared transmitter for both Channels A and B, and the M10 infrared transmitter is disabled.

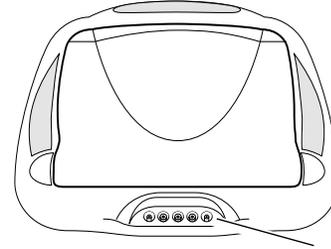
REPLACING HEADPHONE BATTERIES

The wireless IR headphones require two AAA batteries. To replace the batteries, slide off the battery compartment door on the right earpiece and insert batteries, as shown. Make certain that the battery orientation matches the marks inside the battery compartment.



USING OPTIONAL WIRED HEADPHONES

There is a jack for wired headphones on the forward edge of the unit, under a removable cover. When using optional wired headphones, only use headphones with a volume control, since the system has no volume adjustment.



Mini-stereo Headphone Jack

LISTENING OVER THE CAR SPEAKERS

The M10 uses an FM Modulator (FMM) to send audio through the vehicle radio and speakers. To listen over your speakers:

- 1 Make sure system **MUTE** is off. Press **SPEAKER**. "SPEAKER SOUND ON FM __. _" appears. (If "SPEAKER SOUND DISABLED" appears, select an FM frequency as described below.)
- 2 Turn on the car radio. Tune to the FM frequency displayed on the screen, such as "FM 87.7".
- 3 If no system audio is heard, try changing the FMM frequency and re-tuning the radio to the new frequency.

To change the FM Modulator frequency:

Press **SPEAKER**. "Speaker Sound on FM __. _" will be displayed.

Now use the Left and Right buttons to change the frequency. The FMM frequencies are 87.7, 87.9, 88.1, 88.3, 88.5, 88.7, 88.9, 106.7, 106.9, 107.1, 107.3, 107.5, 107.7, and 107.9. After you select a frequency, re-tune your radio and check for clear sound.

The system saves the frequency you select, and returns to it each time the system is turned on. You may want to store the FM Modulator frequency as a preset of your radio for ease of use.

Note: If there seems to be a strong station on the FM Modulator frequency, and you are hearing a radio station mixed in with the system audio, change the FM Modulator frequency. Avoid frequencies used by local radio stations.

If the words "SPEAKER SOUND DISABLED" appear, the Internal FMM is turned off. It can be turned on by pressing the left or right arrow keys and selecting an FM frequency. If the words "HEADPHONE SOUND ONLY" appear, an external FM Modulator is probably being used. In this case, the **SPEAKER** button turns the external FMM on and off. The Rosen external FMM uses either FM 87.9 or FM 88.3. If you have any questions about your FMM, please ask your Rosen dealer.

WATCHING BROADCAST TELEVISION

(ON TV TUNER-EQUIPPED SYSTEMS)

You can watch television on the system if you have installed the optional CV4000 TV Tuner kit (includes TV Tuner, antenna, and an AC3024 harness).

Note: Broadcast television reception varies with location, terrain, distance from the broadcast tower, and other factors. Signal quality is likely to vary in a moving vehicle.

- 1 Press **SOURCE** to select the "TV TUNER" input. "TV TUNER" will appear on the screen. If the screen remains dark, press the remote's **POWER** button.
- 2 Press the **UP CH** and **DOWN CH** arrow buttons on the remote to change channels. You can also use the **UP** and **DOWN** arrows on the front control panel. Pressing the **LEFT** and **RIGHT** buttons allows you to access the auxiliary inputs of the TV Tuner.
- 3 To scan and store all available channels, press **SOURCE MENU**.

*Note: To watch broadcast television or videotapes in their original format, press the **DISPLAY MODE** button on the remote control until "STANDARD" is displayed on the screen. This will properly size the image, instead of stretching the image across the wide screen. In "STANDARD" mode, you will see black bars on the sides of the image, like this:*



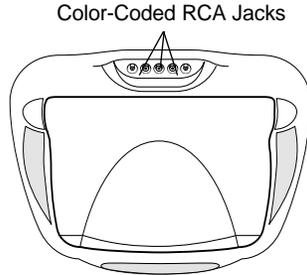
USING EXTERNAL SOURCES

You may use optional external video games, camcorders, and other portable video units by connecting the unit to the auxiliary RCA input jacks on the unit. You must remove the cover to access the jacks, and press **SOURCE** to select "AUXILIARY INPUT".

Red — Right channel audio input

White — Left channel audio input

Yellow — Video input



To use an external game system, a 12VDC to 110VAC power inverter, available at most electronic retail stores, is often required.

*Note: If you want to watch non-widescreen, 4:3 images, press the **DISPLAY MODE** button on the remote control until "STANDARD" is displayed on the screen. This will properly size the image, instead of stretching the image across the wide screen. In "STANDARD" mode, you will see black bars on the sides of the image, like this:*



OPTIONAL ROSEN ACCESSORIES

Check with your authorized Rosen dealer or visit www.rosenentertainment.com, for information on accessories available for your M10 system. Some require installation parts and labor.

CV4000 TV Tuner kit

The CV4000 includes a TV Tuner that receives U.S. television broadcasts, a wire harness, and a TV antenna. When installed using the AC3024 harness, the TV Tuner is controlled by the M10 remote.

R5001 DVD Changer

This 10-disc changer plays CDs, DVDs, MP3 files, and Video CDs. It is fully compatible with your system (adapter kit required).

R5000-series Rosen single-disc DVD player (R5600, etc.)

This series of Rosen DVD players are compatible with the M10's remote control DVD functions.

AC3074 Remote Control

This is the original replacement remote control for the M10. In multi-screen systems, it's a good idea to have a second remote control.

AC3003 Infrared Single-channel Wireless Headphones

These are wireless headphones for the M10.

AC3062 Noise-Cancelling Infrared Wireless Headphones

These offer improved audio performance through electronic cancellation of background and road noise. Single-channel only.

AC3072 Dual-Channel Infrared Wireless Headphones

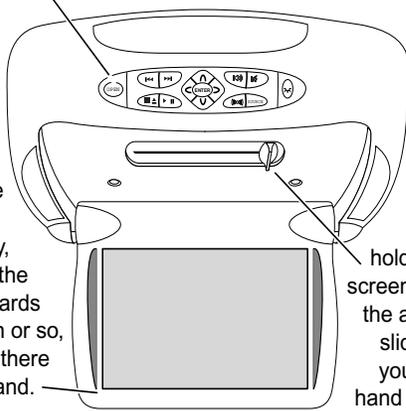
These are required to use the M10 dual-zone modes, or for compatibility with factory IR headphone systems.

ADJUSTING THE SCREEN ANGLE

The Rosen M10 uses an advanced mechanical design to hold the screen at the perfect viewing angle for you, your passengers, and your vehicle. Here's how to adjust the screen angle:

First, press the OPEN button on the front panel, or on the remote. The screen will deploy.

Second, to allow the adjuster to move freely, gently pull the screen towards you an inch or so, and hold it there with one hand.



Third, while holding the screen, move the adjuster slider with your other hand - to the left to move the screen forward, and to the right to move the screen rearward.

Finally, let go of the screen and double-check the viewing angle. You may need to repeat this process a few times to get the angle just right for your height and the height of the vehicle seats.

MANAGING BLACK BARS

Motion picture film and cameras, and later television screens, were originally designed around a screen size that was almost square - it was one-third wider than it was high (another way to say this is that it had a width-to-height ratio, or aspect ratio, of 4:3. This ratio, 4:3, can also be expressed as 1.66:1.)

4:3

1.66:1

When widescreen movies using technologies like Cinemascope and Panavision became popular, new aspect ratios were used for them - 1.78:1, 2.35:1, and even 2.55:1. When high-definition television was developed, a screen shape of 16:9, or 1.85:1, was selected as the best compromise for viewing widescreen movie images.

16:9

1.85:1

When you watch widescreen movies on a standard 4:3 television, there are "black bars" on the top and bottom of the screen. This is often called a "letterbox" image. The alternative is called "pan-and-scan", where the edges of the image are "cropped" off.

Letterbox

This system uses a widescreen 16:9, or 1.85:1 display - the same aspect ratio as high-definition televisions. This means that when viewing widescreen DVD's, these black bars are either non-existent, or greatly minimized.

Widescreen

WHY ARE THE BLACK BARS STILL THERE SOMETIMES?

There are three possible reasons for black bars to appear on the top and bottom of an M10 display:

- 1) You are watching a widescreen movie with an aspect ratio *greater than* 1.85:1. (For more options on dealing with this, see below). Check the disc jewel box to determine the DVD's aspect ratio - if you see 2.3:1, 2.33:1, or 2.35:1, this applies.
- 2) The DVD player has been set for a 4:3 display instead of a 16:9, wide display.
- 3) The "widescreen" DVD movie you are viewing is not "anamorphic" or "enhanced for widescreen televisions". These films, often older DVD conversions, are not recommended for viewing on widescreen displays. You can usually determine if your DVD was produced for optimum compatibility with widescreen televisions by looking for the word "anamorphic" or the phrase "enhanced for widescreen televisions" on the box.

WHAT CAN I DO?

First, Rosen recommends that for best results you use DVD's that say "anamorphic" or "enhanced for widescreen televisions" on the box. However, this system can get rid of black bars with just about any DVD, by following the steps on the next page.

*Note: To watch "fullscreen" DVD's or broadcast television (using an optional TV tuner), you can use the **DISPLAY MODE** button to select "STANDARD". This will properly size the image, instead of stretching the image across the wide screen. In "STANDARD" mode, you **will** see black bars on the **sides** of the image.*

Eliminating Black Bars when viewing a DVD:

- 1) **Make sure that the DVD player is set to "WIDE".**
- 2) **Use the Display Mode button to select "Wide" or "Zoom".**

- To view widescreen DVD's, use "Wide".
- To zoom the picture, use the "Zoom" mode.

Note: This feature will slightly "crop" the edges of the image. For best results when zooming in on DVD images, use the Disc Zoom feature below - not the "Zoom" Display Mode.

If this solution still isn't satisfactory, go to step 3.

- 3) **With Rosen DVD players, use the Disc Zoom feature to completely fill the screen.** Again, the edges will be "cropped", but the screen will be filled.

Press the **DISC ZOOM** button during playback to select among the following options: x1.5, x2, and x4. You can then use the arrow buttons to shift the magnified image left and right.

Note: Best results are obtained by connecting only widescreen displays to the M10. DVD players can provide either widescreen video or standard, non-widescreen video - they cannot provide widescreen video for one screen and standard video for other screens. Your Rosen authorized dealer offers a selection of high-quality widescreen automotive displays.

USING THE M10 DUAL-ZONE MODES AND OUTPUT B

Note: Optional AC3072 Dual-channel headphones are required for using dual-zone mode, as well as additional screens.

Viewing different video sources on different screens

What this means: When an optional additional screen is connected, the user can select and control the video source for "Screen B" independent of the main screen. For instance, the main screen can be used to play a game, while Screen B displays a DVD.

How to do it:

The main screen user sets their headphones to Channel A.



Press **SOURCE** and select the source you want to view on the main screen (DVD, GAME, etc.)

The Screen B user sets their headphones to Channel B.



Press **OUTPUT B**. "CONTROLLING OUTPUT B" appears.



Press **SOURCE** to select the source unit viewed on Screen B.

Notes: Selecting "SAME AS MAIN SCREEN" for Screen B causes all screens to display the same image at all times. When this is selected, pressing SOURCE changes the audio and video for all screens simultaneously.

To control the source unit assigned to Output B

First press **OUTPUT B**, then the desired button. For instance, to pause a DVD, press **OUTPUT B** and then press **PAUSE**.



NOTE: This only applies to compatible Rosen source units, and only if connected to the main A/V input of the M10.

USING THE M10 AS A SECOND SCREEN FOR A ROSEN A10 SYSTEM

When the M10 is installed as a second screen for the Rosen A10 system, the M10's infrared headphone transmitters are disabled, and it will not respond to its remote control. The A10 acts as the infrared transmitter for both channels A and B.

The M10 remote can then be used to control the A10 system controller. This allows M10 viewers to be able to independently select from the available sources. For more information, please see the Rosen A10 Owner's Manual.

FAQ'S

I HAVE NO PICTURE AND NO SOUND - WHAT'S WRONG?

The system has low- and high-voltage and temperature protection circuits. If the voltage or temperature goes beyond the limits, the system shuts off. The power wire or power harness may have been disconnected, or the fuse may have failed. Contact your Rosen authorized dealer to determine if this is the case.

Note: The system voltage range is 11-16VDC operating voltage. The system operating temperature is 0° to 60° Celsius. Use of the system beyond the safe operating ranges listed can cause temporary or permanent damage to the unit - such damage may not be covered by manufacturer's warranty.

I HAVE A PICTURE, BUT NO SOUND OR DISTORTED SOUND. WHY?

Check the **MUTE** button. Check the volume on the radio, and make sure the radio is tuned to the right frequency - try tuning the FMM and the radio to a new frequency. Check the headphones; ensure the headphones have a direct "line of sight" to the infrared transmitter below the monitor. Replace headphone batteries, if needed. Check the DVD Setup Menu - the Audio Output setting must be set to "ANALOG" and the Speaker Downmix setting must be set to "STEREO". If using a CD you have made yourself, make sure you did not set the recording level too high. Make sure you to check CH A and CH B if you are using AC3072 two-channel headphones.

THE DOME LIGHT WENT OUT - WHY?

The dome light has a 5-minute timer to prevent accidental battery drain.

WHY DO I GET NO RESPONSE WHEN I PRESS THE REMOTE BUTTONS?

Check the battery in the remote control. Remember that the source-unit functions are only compatible with certain Rosen-brand source units. If the M10 is installed as a second screen for a Rosen A10, the M10 will not respond to its remote, but its remote will control the A10.

I HAVE BLACK BARS ON THE TOP AND BOTTOM OF MY SCREEN WITH A WIDESCREEN DVD - HOW DO I GET RID OF THEM?

See page 17.

WITH THE AC3072 DUAL-CHANNEL HEADPHONES, CHANNEL A AND CHANNEL B HAVE THE SAME AUDIO. HOW DO I CHANGE WHAT I HEAR ON CHANNEL B?

Press **OUTPUT B** and then press **SOURCE** to change Output B's assigned source. See page 19 for more information on dual-zone use

I have no audio on Channel or Channel B of the wireless headphones.

Check the batteries. Check the Mute button. If the M10 is installed as the second screen of a Rosen A10 system, the A10 is the only IR headphone transmitter, and the M10 IR headphone transmitter is disabled.

If this section does not address your question, please contact your Rosen authorized dealer. Also, your system has internal diagnostic capabilities that are accessible to authorized Rosen dealers. To locate a Rosen Entertainment Systems authorized dealer, please visit www.rosenentertainment.com.

RES PN 9100385-90 Rev B
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