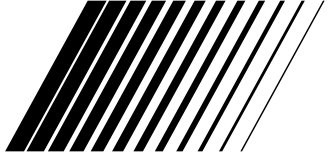


# JVC



## MOBILE COLOR MONITOR SYSTEM

## KV-M700

ENGLISH

## SISTEMA DE MONITOR EN COLOR MÓVIL

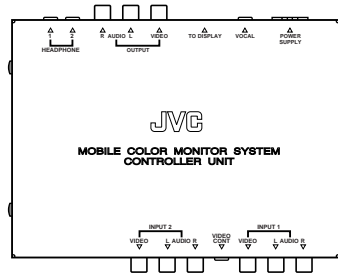
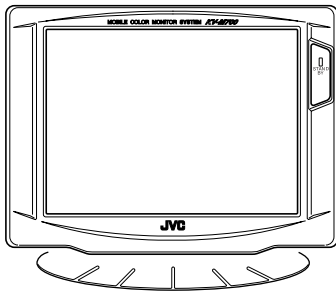
## KV-M700

ESPAÑOL

## SYSTÈME DE MONITEUR MOBILE EN COULEUR

## KV-M700

FRANÇAIS



For installation and connections, refer to the separate manual.

Para la instalación y las conexiones, refiérase al manual separado.

Pour l'installation et les raccordements, référez-vous au manuel séparé.

\* This system cannot receive television broadcasts and is primarily designed for use with a VCR. Use the separately sold mobile TV tuner unit KV-C10 for optional television broadcast reception.

\* Este sistema no puede recibir emisiones de televisión, y ha sido diseñado principalmente para ser utilizado con una videograbadora. Utilice la unidad de sintonizador de TV móvil KV-C10 de JVC vendido por separado para la recepción opcional de emisiones de televisión.

\* Ce système ne peut recevoir les émissions de télévision, et il est essentiellement conçu pour l'utilisation avec un magnétoscope. Utilisez le module de tuner de télévision mobile KV-C10 afin de pouvoir recevoir les émissions de télévision.

# INSTRUCTIONS

## MANUAL DE INSTRUCCIONES

## MANUEL D'INSTRUCTIONS

### For customer Use:

Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.

Model No. \_\_\_\_\_



Serial No. \_\_\_\_\_

3351405B01-0

[J]

## Safety points (Be sure to follow these points)

### CAUTIONS

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p><b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

#### WARNING:

**TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**

#### CAUTION:

This monitor system should be used with DC 12V only. To prevent electric shocks and fire hazards, DO NOT use any other power source.

#### INFORMATION (For U.S.A. only)

This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

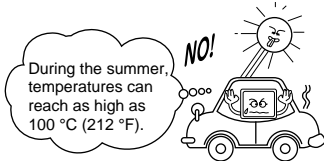
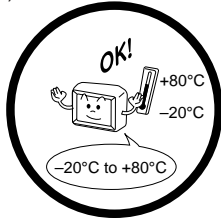
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### WARNINGS

- DO NOT INSTALL THE MONITOR IN A LOCATION WHICH OBSTRUCTS DRIVING, VISIBILITY OR WHICH IS PROHIBITED BY APPLICABLE LAWS AND REGULATIONS.
- THERE MAY BE LEGAL REGULATIONS DEFINING THE PERMISSIBLE INSTALLATION LOCATIONS FOR THE DISPLAY UNIT WHICH DIFFER BY COUNTRY OR BY STATE, BE SURE TO INSTALL THE DISPLAY UNIT IN A CORRECT LOCATION ACCORDING TO SUCH LAWS.
- DO NOT INSTALL THE MONITOR SYSTEM IN A LOCATION WHICH OBSTRUCTS THE OPERATION OF AN AIR BAG.
- THE DRIVER MUST NOT OPERATE THE COLOR MONITOR SYSTEM WHILE DRIVING. OPERATING THE COLOR MONITOR SYSTEM WHILE DRIVING MAY LEAD TO CARELESSNESS AND CAUSE AN ACCIDENT.
  - \* STOP YOUR VEHICLE IN A SAFE LOCATION WHEN OPERATING THE MONITOR SYSTEM.
- THE DRIVER MUST NOT WATCH THE TELEVISION OR VIDEOS WHILE DRIVING. IF THE DRIVER WATCHES THE TELEVISION OR A VIDEO WHILE DRIVING, IT MAY LEAD TO CARELESSNESS AND CAUSE AN ACCIDENT.
- WHEN LIGHTNING OCCURS, DO NOT TOUCH THE ANTENNA WIRE OR THE TELEVISION. TOUCHING THE ANTENNA WIRE OR THE TELEVISION UNDER SUCH CONDITIONS MAY CAUSE ELECTROCUTION.
- KEEP THE MONITOR SYSTEM AT AN APPROPRIATE SOUND LEVEL WHILE DRIVING. DRIVING WITH THE SOUND AT A LEVEL THAT PREVENTS YOU FROM HEARING SOUNDS OUTSIDE OF AND AROUND THE VEHICLE MAY CAUSE AN ACCIDENT.
- ASK A TRAINED TECHNICIAN TO INSTALL THE MONITOR SYSTEM. INSTALLATION AND WIRING REQUIRE TRAINING AND EXPERIENCE.
  - \* TO BE SAFE, ASK THE SALES OUTLET WHERE YOU PURCHASED THE MONITOR SYSTEM TO PERFORM THE INSTALLATION.
- DO NOT LET THE MONITOR SYSTEM FALL OR BE STRONGLY IMPACTED. BE SURE NOT TO LET THE MONITOR SYSTEM FALL OR BE STRONGLY IMPACTED SINCE THIS MAY CAUSE A MALFUNCTION OR FIRE.
- DO NOT WATCH THE MONITOR WITH THE ENGINE OFF. WATCHING THE MONITOR WITH THE ENGINE OFF WILL CONSUME BATTERY POWER AND MAY PREVENT THE ENGINE FROM STARTING.

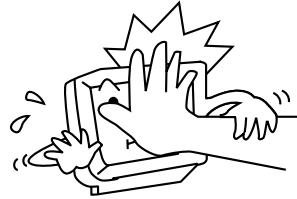
## Cautions for the liquid crystal panel

- Do not leave the liquid crystal panel surface facing upwards on top of the dashboard. (storage temperature range:  $-20^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $176^{\circ}\text{F}$ ))

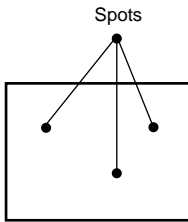


When the liquid crystal panel reaches high temperatures or low temperatures, chemical changes occur within the liquid crystal panel which may cause malfunctions.

- Do not strongly impact the liquid crystal panel.



- There are red spots, blue spots and green spots on the panel surface. This is a characteristic of liquid crystal panels and is not a problem.



The liquid crystal panel is built with very high precision technology and has at least 99.99% effective image pixels. Be aware that on 0.01% of the panel there may be missing pixels or constantly light pixels.

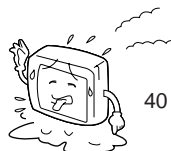
- When the temperature is very cold or very hot, the image may not appear clearly or may move slowly.

Also, movement of the image may seem to be out of sync or the image quality may decline in such environments. Note that this is not a malfunction or problem.

(usage temperature range:  $0^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $104^{\circ}\text{F}$ ))



$0^{\circ}\text{C}$  ( $32^{\circ}\text{F}$ ) or colder



$40^{\circ}\text{C}$  ( $104^{\circ}\text{F}$ ) or hotter

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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## BEFORE USE

### \* For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

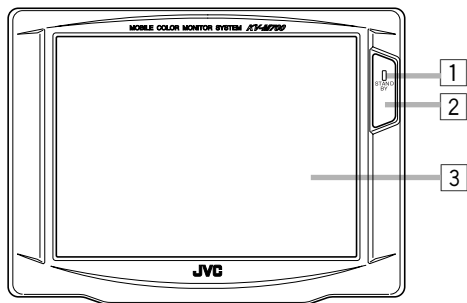
### \* Temperature inside the car....

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

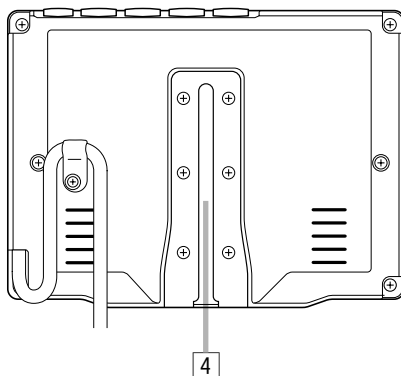


## Color monitor

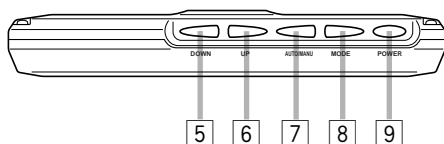
Front



Back



Top



See pages in the parentheses for details.

### Front

- 1 STAND BY lamp
- 2 Remote sensor (8)
- 3 Screen (Liquid crystal panel)

### Top

- 5 DOWN button\*
- 6 UP button\*
- 7 AUTO/MANU button\*
- 8 MODE button (9)
- 9 POWER button (9)

### Back

- 4 Monitor stand guide slot

- When you use the monitor stand to install the monitor in your car, attach the monitor stand here. For installation, refer to the Installation/Connection Manual (separate volume).

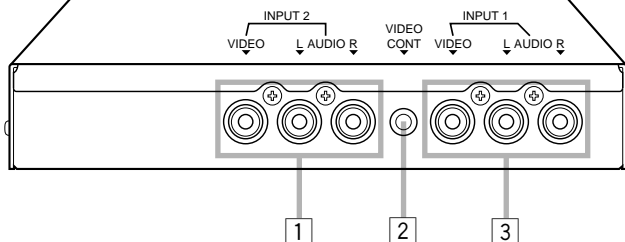
#### Note:

In the list, the button names with "\*" are not used for this system. Those buttons are for operating JVC mobile TV tuner unit KV-C10.

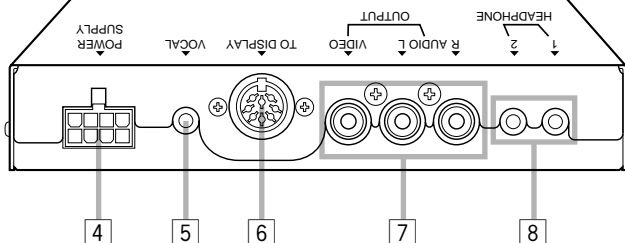


## Controller unit

Front



Back



See pages in the parentheses for details.

### Front

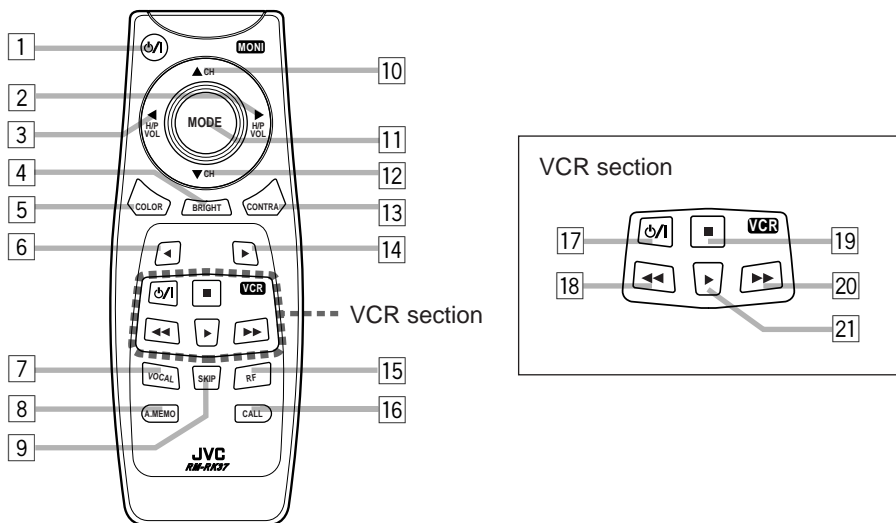
- 1 INPUT 2 jacks
  - VIDEO
  - AUDIO L
  - AUDIO R
- 2 VIDEO CONT (Control) jack
- 3 INPUT 1 jacks
  - VIDEO
  - AUDIO L
  - AUDIO R

### Back

- 4 POWER SUPPLY connector
- 5 This jack is not in use.
- 6 TO DISPLAY connector
- 7 OUTPUT jacks
  - VIDEO
  - AUDIO L
  - AUDIO R
- 8 HEADPHONE 1 and 2 jacks (15)



# Remote controller



See pages in the parentheses for details.

- 1 **⏻** (Power) button (9)
- 2 **▶** H/P VOL (Headphone volume up) button (15)
- 3 **◀** H/P VOL (Headphone volume down) button (15)
- 4 **BRIGHT** button (13)
- 5 **COLOR** button (12)
- 6 **◀** (Down) button (12, 13, 14)
- 7 This button does not function as the **VOCAL** button.
- 8 **A.MEMO** (Auto memory) button\*
- 9 **SKIP** button\*
- 10 **▲** CH (Channel up) button\*
- 11 **MODE** button (9)
- 12 **▼** CH (Channel down) button\*
- 13 **CONTRA** (Contrast) button (14)
- 14 **▶** (Up) button (12, 13, 14)

- 15 **RF** button (11)
- 16 **CALL** button (10)

## VCR section

The buttons in this section are used for operating JVC mobile video cassette recorder KZ-V10. For the operation, refer to the instructions of KZ-V10.

- 17 **⏻** (Power) button
- 18 **◀◀** (Rewind) button
- 19 **■** (Stop) button
- 20 **▶▶** (Fast-forward) button
- 21 **▶** (Play) button

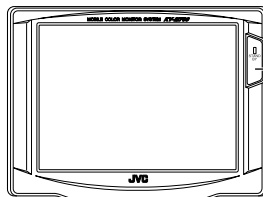
### Note:

In the list, the button names with "\*" are not used for this system. Those buttons are for operating JVC mobile TV tuner unit KV-C10.



Before using the remote controller:

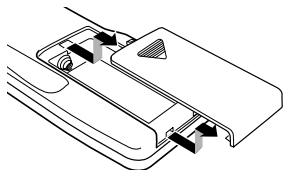
- Aim the remote controller directly at the remote sensor on the color monitor. Make sure there is no obstacle in between.
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).



Remote sensor

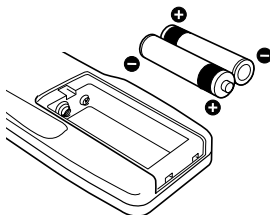
## Installing the batteries

When the controllable range or effectiveness of the remote controller decreases, replace the batteries.



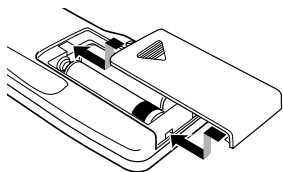
### 1. Remove the back cover.

While pushing on the back cover, slide it in the direction of the arrow.



### 2. Install the batteries.

Place the two batteries R03(UM-4)/AAA(24F) supplied in the remote control as illustrated.



### 3. Close the back cover.

Slide the back cover in the direction of the arrow until a click is heard.

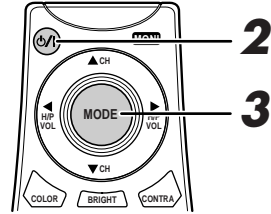
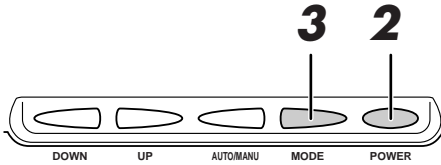


# BASIC OPERATIONS

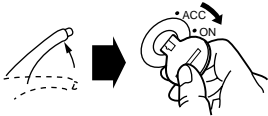


## Preparation

Before operating the system, make sure that all external components are correctly connected and installed. For connecting the external component, refer to the instructions and the installations supplied with the external components.



## 1



**If the unit is connected to the parking brake system:**

Engage the parking brake and turn on the engine.

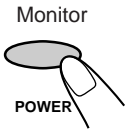


**If the unit is not connected to the parking system:**  
Turn on the Engine.

**Note:**

*For installation and connections, refer to the Installation/Connection manual (separate volume).*

## 2



**Turn on the power.**

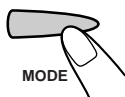
Press the POWER button on the monitor or the  $\phi/I$  (power) button on the remote controller.

CONTINUED TO THE NEXT PAGE

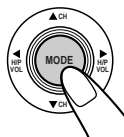


### 3

Monitor

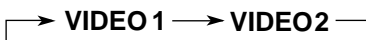


Remote



### Select the input source.

Press the MODE button on the monitor or the remote controller to select the input source you want. Each time you press the button, the input source changes as follows:



The selected input source also appears on the screen for 5 seconds.



EX: When VIDEO1 is selected.

### 4

### Play back the external component.

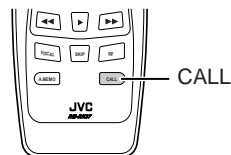
To operate the external components, refer to the manuals on the connected components.

### 5

### Adjust the volume level on the car receiver.

### To check the current input source

Press the CALL button on the remote controller. The current input source appears on the screen for 5 seconds.



### To turn off the power

Press the POWER button on the monitor or the  $\phi$ /I (power) button on the remote controller.

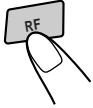
### Notes:

- When you watch the screen at an angle, the picture might not be clear. This is not a malfunction. The finest picture can be seen when you watch the screen straight.
- When JVC mobile video cassette recorder KZ-V10 is connected to the system, you can also operate it by using the remote controller supplied with this system. For the operation, refer to the instructions of KZ-V10.



## Setting the RF input

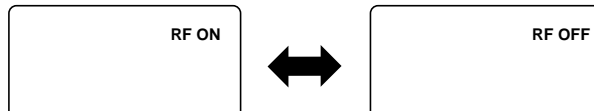
This system provides RF input selector. When you use JVC FM modulator KS-IF200, you can listen to the sounds from the system through the receiver equipped with no line input. For connecting and setting KS-IF200, refer to the instructions of KS-IF200.



Press the RF button on the remote controller. Each time you press the button, "RF ON" and "RF OFF" alternate, and the selected setting appears on the screen.

**RF ON:** When reproducing the sound from the system through the receiver equipped with no line input. (When using KS-IF200)

**RF OFF:** Select this when you listen to the radio using the receiver connected to this unit. (When using KS-IF200)





# ADJUSTMENTS

ENGLISH

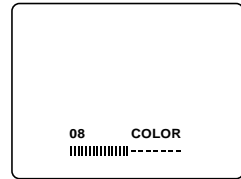
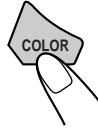
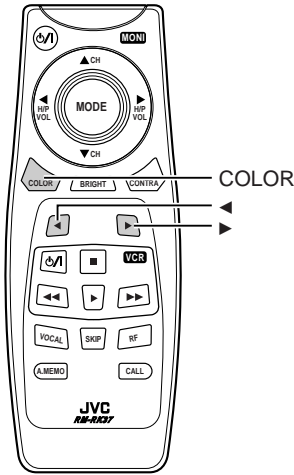
## Adjusting the color

You can adjust the color of the monitor system.

This function can be operated only by using the remote controller.

### 1 Press the COLOR button.

The color level appears on the screen.



### 2 Press the ► (up) or ◀ (down) button to adjust the color.

You can adjust the color level between 0 and 15.

Gets softer



Gets deeper





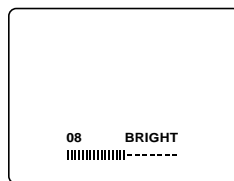
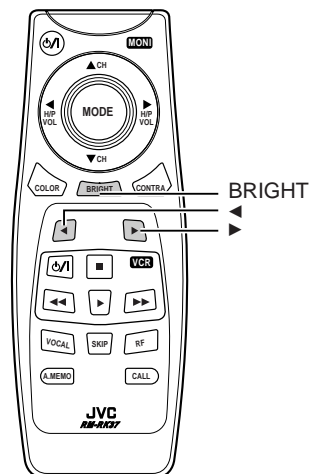
# Adjusting the brightness

You can adjust the brightness of the monitor system.

**This function can be operated only by using the remote controller.**

## 1 Press the BRIGHT button.

The brightness level appears on the screen.



## 2 Press the ► (up) or ◀ (down) button to adjust the brightness.

You can adjust the brightness level between 0 and 15.

Gets darker



Gets brighter

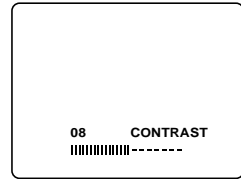
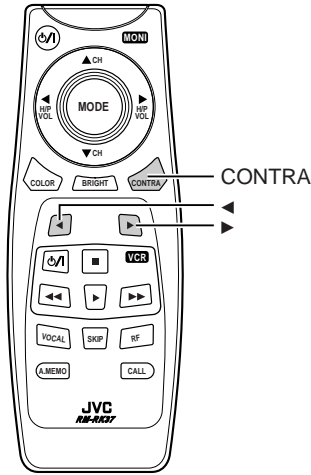




# Adjusting the contrast

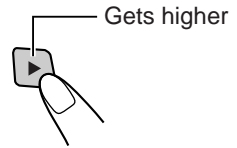
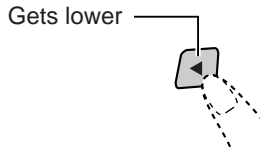
You can adjust the contrast of the monitor system.  
**This function can be operated only by using the remote controller.**

- 1** Press the CONTRA button.  
The contrast level appears on the screen.



- 2** Press the ► (up) or ◀ (down) button to adjust the contrast.

You can adjust the contrast level between 0 and 15.





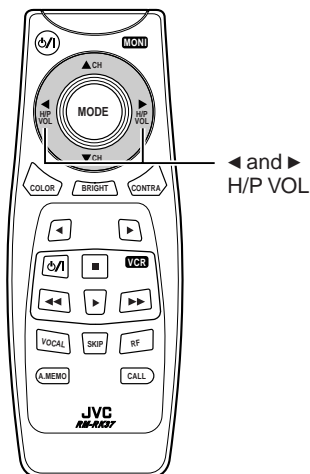
# Adjusting the headphone volume

You can connect two headphones. When adjusting the headphone volume, the adjustment applies to both connected headphones at the same time. You cannot adjust the headphone volume separately for the HEADPHONE 1 and 2 jacks.

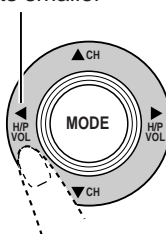
**This function can be operated only by using the remote controller.**

Press and hold the ► (up) H/P VOL or ◀ (down) H/P VOL button to adjust the headphone volume.

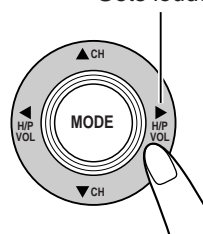
You can adjust the volume level between 0 and 44.



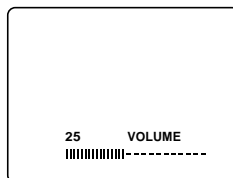
Gets smaller



Gets louder



The headphone volume level appears on the screen.



**Note:**

*This adjustment is only for the connected headphones but not for the speakers in the car. When adjusting the speaker volume, adjust it by using the car receiver.*



# MAINTENANCE

ENGLISH

## To prevent damage to the system exterior

- Do not apply pesticides, benzene, thinner or other volatile substances to the unit.  
The cabinet surface primarily consists of plastic materials.
- Do not wipe with benzene, thinner or similar substances because this will result in discoloration or removal of the paint.
- When a cloth with a cleansing chemical is used, follow the caution points.
  - Do not leave the unit in contact with rubber or vinyl products for long periods of time.
  - Do not use cleansers which have polishing granules because this could damage the surface of the unit.

## Clean dirt by wiping lightly with a soft cloth

When the unit is very dirty, wipe with a well-wrung cloth dipped in a kitchen cleanser (neutral) thinned by water and then go over the same surface with a dry cloth.  
(Since there is the possibility of water drops getting inside of the unit, do not directly apply cleanser to the surface.)

### Caution:

*If water drops or similar wet substances get inside of the monitor via the liquid crystal panel surface, it may cause a malfunction.*



# TROUBLESHOOTING

What appears to be trouble is not always serious. Check the following points before calling a service center.

Symptoms	Causes	Remedies
• Colored spots (red, blue and green) appear on the screen.	This is a characteristic of liquid crystal panels and is not a malfunction.	See "Note" below.
• Sound can be heard but no picture appears on the screen.	The parking brake has been disengaged.	Engage the parking break.
	The parking brake cord is not connected correctly.	Check the connection and correct it.
• No picture appears and sound is not heard.	Correct input mode is not selected.	Select the correct input mode.
• Remote control does not work.	The batteries have lost their charge.	Install new batteries.
	Remote sensor is exposed to strong light.	Do not expose the remote sensor to strong light.

### Note:

*The liquid crystal panel is built with very high precision technology and has at least 99.99% effective image pixels. Be aware that on 0.01% of the panel there may be missing pixels or constantly light pixels.*



## COLOR MONITOR

### Display:

6.4 inch Liquid crystal panel

### Number of Pixel:

224,640 pixels (234 vertical × 320 horizontal × 3)

### Drive Method:

TFT (Thin Film Transistor) active matrix format

### Dimensions (W × H × D):

176 mm × 133 mm × 29.2 mm  
(6-15/16" × 5-1/4" × 1-3/16")

Mass: 0.58 kg (1.3 lbs)

## CONTROLLER UNIT

### Input

Video: RCA pin × 2 circuits  
1 V(p-p), 75 Ω

Audio: RCA pin × 2 circuits  
0.5 V(rms)

Vocal: Mono mini-jack × 1

### Video Control:

Mono mini-jack × 1

### Output

#### Display:

8-pin DIN connector

Video: RCA pin × 1 circuit  
1 V(p-p), 75 Ω

Audio: RCA pin × 1 circuit  
0.5 V(rms)

#### Headphone:

Stereo mini-jack x 2  
0 mW to 15 mW per channel  
output into 32 Ω

### Dimensions (W × H × D):

162.6 mm × 28.5 mm × 119.6 mm  
(6-7/16" × 1-3/16" × 4-3/4")

Mass: 0.8 kg (1.8 lbs)

## GENERAL

### Power Requirement

Operating Voltage:  
DC 14.4 V (11 V to 16 V allowance)

### Grounding System:

Negative ground

### Allowable Operating Temperature:

0°C to +40°C (32°F to 104°F)

### Allowable Storage Temperature:

-20°C to +80°C (-4°F to 176°F)

## ACCESSORIES

Monitor stand × 1

Extension cord × 1

Power cord × 1

Remote controller × 1

Battery × 2

Crimp connector × 1

Screw × 3

*Design and specifications subject to change without notice.*



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