



## COLOR VIDEO MONITOR

# TM-H1375SU

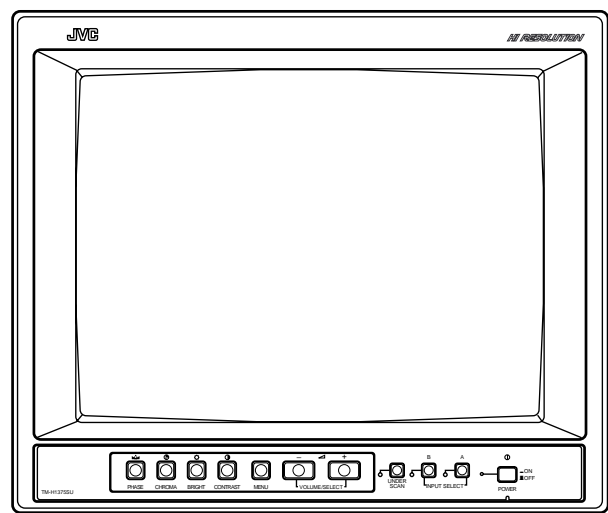
## INSTRUCTIONS

**For Customer Use:**

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. : TM-H1375SU

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



Thank you for purchasing this JVC color video monitor. Before using it, read and follow all instructions carefully to take full advantage of the monitor's capabilities.

## SAFETY PRECAUTIONS

### WARNING :

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS MONITOR TO RAIN OR MOISTURE.

### CAUTION :

To reduce the risk of electric shock, do not remove cover. Refer servicing to qualified service personnel.

This monitor is equipped with a 3-blade grounding-type plug to satisfy FCC rule. If you are unable to insert the plug into the outlet, contact your electrician.

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

**CAUTION:** Changes or modification not approved by JVC could void the user's authority to operate the equipment.

**NOTE:** 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.

### ■ PRECAUTIONS

- Use only the power source specified on the unit. (120 V AC, 50 Hz / 60 Hz)
- Keep flammable material, water, and metal objects away from the unit – especially the interior of the unit.
- This unit incorporates high voltage circuitry. For your own safety and that of your equipment, do not attempt to modify or disassemble this monitor. There are no user-serviceable parts inside.
- Unplug the monitor when you're not going to be using it for a long period.

### ■ HANDLING

- Avoid shocks or vibrations. These may damage the unit and cause it to malfunction.
- Do not block the ventilation slots.
- Do not expose this unit to high temperatures. Extended exposure to direct sunlight or a heater could deform the cabinet or cause the performance of internal components to deteriorate.
- Do not place the unit near appliances generating strong electric or magnetic fields. These can generate picture noise and instability.
- Keep the monitor clean by wiping the cabinet and CRT screen with a piece of soft cloth. Do not apply thinner or benzine. These chemicals can damage the finish and erase printed letters. When the unit is excessively dirty, use a diluted neutral cleanser, then wipe away the cleanser with a dry cloth.

### SCREEN BURN

- It is not recommended to keep a certain still image displayed on screen for a long time as well as displaying extremely bright images on screen. This may cause a burning (sticking) phenomenon on the screen of cathode-ray tube. This problem does not occur as far as displaying normal video playback motion images.

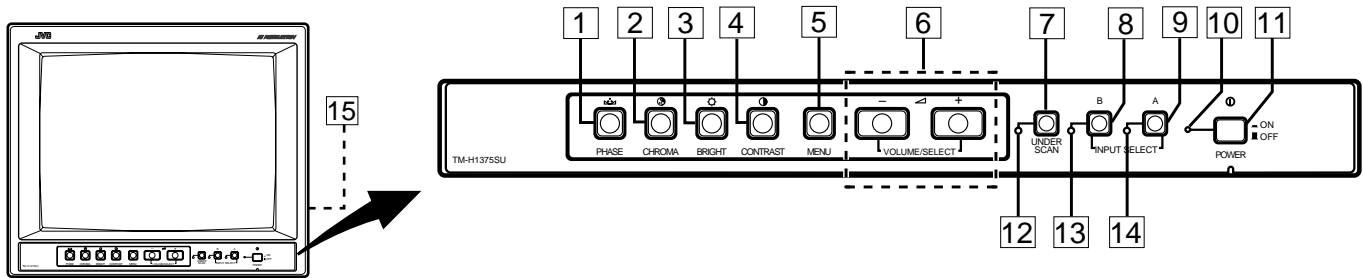
# CONTENTS


<b>SAFETY PRECAUTIONS .....</b>	<b>2</b>
<b>CONTROLS AND FEATURES .....</b>	<b>4</b>
<b>HOW TO HANDLE BASIC OPERATIONS .....</b>	<b>7</b>
<b>HOW TO USE THE MENU FUNCTIONS.....</b>	<b>8</b>
<b>HOW TO INITIALISE THE SETTING.....</b>	<b>11</b>
<b>BASIC CONNECTION EXAMPLE .....</b>	<b>12</b>
<b>TROUBLESHOOTING .....</b>	<b>14</b>
<b>SPECIFICATIONS .....</b>	<b>15</b>


# CONTROLS AND FEATURES


## FRONT VIEW


### <Front Panel>




- 1 Phase button [PHASE  ]**

Press this button to set the picture hue adjustment mode. Adjust the value with the VOLUME/SELECT buttons. Also used as a control button in the menu function mode.
- 2 Chroma button [CHROMA  ]**

Press this button to set the picture colour density adjustment mode. Adjust the value with the VOLUME/SELECT buttons. Also used as a control button in the menu function mode.
- 3 Brightness button [BRIGHT  ]**

Press this button to adjust picture brightness. Adjust the value with the VOLUME/SELECT buttons. Also used as a control button in the menu function mode.
- 4 Contrast button [CONTRAST  ]**

Press this button to adjust picture contrast. Adjust the value with the VOLUME/SELECT buttons. Also used as a control button in the menu function mode.
- 5 Menu button [MENU]**

Displays and disappears the <MENU> screen. Pressing the PHASE button with the Menu button depressed will display the <SET-UP MENU> screen.
- 6 Volume/Select buttons [VOLUME/SELECT -  +]**

Adjusts the speaker volume. Also used as a control button in the menu function mode.
- 7 Under Scan button [UNDER SCAN]**


Reduces the screen size to display the whole screen. Press the button again to quit Under Scan.
- 8 Input B (VIDEO / Y/C) button [INPUT SELECT B]**

Selects the video signal input to the VIDEO B terminal and the audio signal input to the AUDIO B terminal on the rear panel. When selected, the input B (VIDEO / Y/C) indicator **13** lights.

**Note:**

\* The VIDEO B terminals include a video terminal (BNC connector) and a Y/C terminal (mini-DIN 4-pin connector). The Y/C (S-video) terminal is given priority.
- 9 Input A (VIDEO) button [INPUT SELECT A]**

Selects the video signal input to the VIDEO A terminal and the audio signal input to the AUDIO A terminal on the rear panel. When selected, the input A (VIDEO) indicator **14** lights.
- 10 Power indicator**

Lights in green when the power is ON.  
**Lit** : When the power is on.  
**Unlit** : When the power is off.
- 11 Power switch [POWER  ]**

Press this switch to turn the power on or off.  
**ON** : Power is turned on.  
**OFF** : Power is turned off.
- 12 UNDER SCAN indicator**

Lights in green when UNDER SCAN is selected.
- 13 Input B (VIDEO / Y/C) indicator**

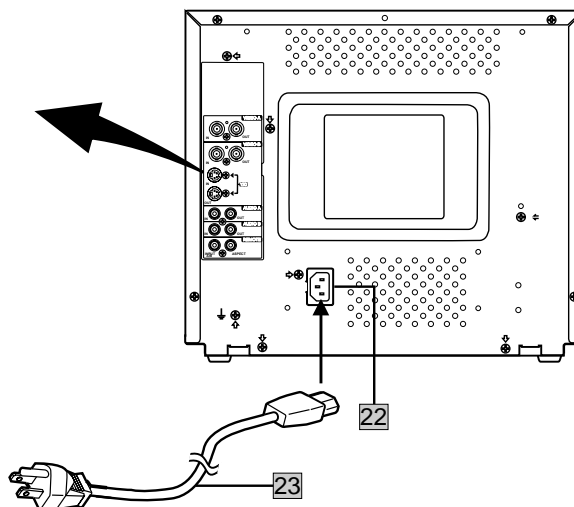
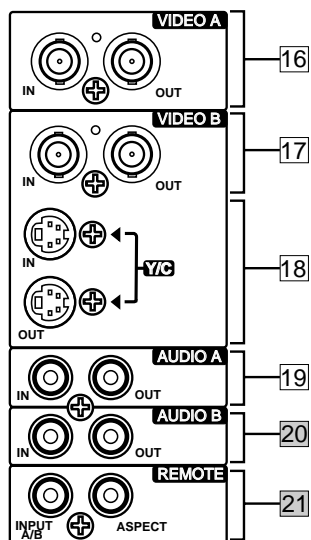
Lights in green when Input B (VIDEO / Y/C) is selected.
- 14 Input A (VIDEO) indicator**

Lights in green when Input A (VIDEO) is selected.
- 15 Speaker**

A built-in speaker is located inside the right side panel when the monitor is viewed from the front.

# REAR VIEW

## <Rear Panel>



To AC outlet  
(120 V AC, 50 Hz/60 Hz)

- 16 Video A terminals [VIDEO A IN/OUT]**  
Video signal input (IN) and output (OUT) terminals.  
The output terminal is bridge-connected.  
**IN** : Video signal input terminal  
**OUT** : Bridge-connected video signal output terminal

**Notes:**

- \* For corresponding audio signals, use the AUDIO A terminals [19](#).
- \* Also refer to BASIC CONNECTION EXAMPLE on page 12.

- 17 Video B terminals [VIDEO B IN/OUT]**  
Video signal input (IN) and output (OUT) terminals.  
The output terminal is bridge-connected.  
**IN** : Video signal input terminal  
**OUT** : Bridge-connected video signal output terminal

**Notes:**

- \* For corresponding audio signals, use the AUDIO B terminals [20](#).
- \* When both VIDEO B terminals are connected (input) at the same time, the Y/C terminal is given priority.
- \* Also refer to BASIC CONNECTION EXAMPLE on page 12.

- 18 Video B (Y/C) terminals [VIDEO B Y/C IN/OUT]**  
Y/C (S-Video) signal input (IN) and output (OUT) terminals.  
The output terminal is bridge-connected.  
**IN** : Y/C-separated (S-video) signal input terminal  
**OUT** : Bridge-connected Y/C-separated (S-video) signal output terminal

**Notes:**

- \* For corresponding audio signals, use the AUDIO B terminals [20](#).
- \* When both VIDEO B terminals are connected (input) at the same time, the Y/C terminal is given priority.
- \* Also refer to BASIC CONNECTION EXAMPLE on page 12.

- 19 Audio A terminals [AUDIO A IN/OUT]**  
Input (IN) and output (OUT) terminals for the audio signal corresponding to the VIDEO A terminals [16](#).  
The output terminal is bridge-connected.  
**IN** : Audio signal input terminal  
**OUT** : Bridge-connected audio signal output terminal

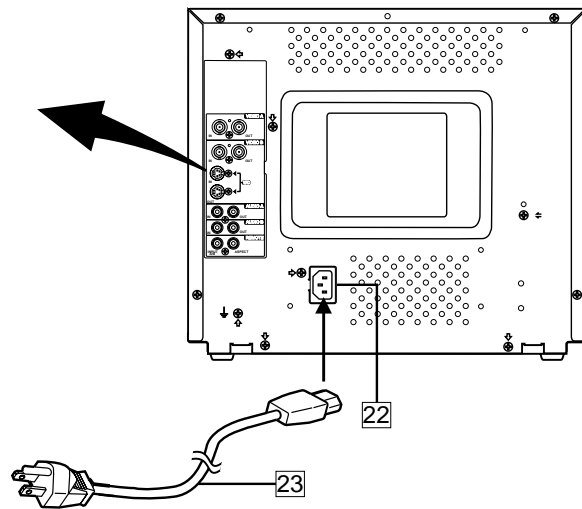
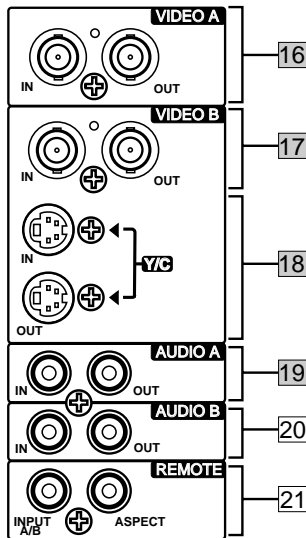
**Notes:**

- \* For corresponding video signals, use the VIDEO A terminal [16](#).
- \* Also refer to BASIC CONNECTION EXAMPLE on page 12.

# CONTROLS AND FEATURES (cont'd)

## REAR VIEW

### <Rear Panel>



To AC outlet  
(120 V AC, 50 Hz/60 Hz)

#### 20 Audio B terminals [AUDIO B IN/OUT]

Input (IN) and output (OUT) terminals for the audio signals corresponding to the VIDEO B terminals [17] or VIDEO B (Y/C) terminals [18].

The output terminal is bridge-connected.

**IN** : Audio signal input terminal

**OUT** : Bridge-connected audio signal output terminal

#### Notes:

\* For corresponding video signals, use the VIDEO B terminals [17] or VIDEO B (Y/C) terminals [18].

\* Also refer to BASIC CONNECTION EXAMPLE on pages 12 and 13.

#### 21 Remote terminals [REMOTE INPUT A/B, ASPECT]

Remote terminals for external control. Selecting INPUT A or INPUT B and the ASPECT RATIO is available via external control. External control is set in the <SET-UP MENU> screen.

To use external control, you must build a switch cable and connect it to the REMOTE terminals.

External control functions	External control switch	
	Open circuit (open)	Closed circuit (short)
ASPECT RATIO	4-3 (4:3)	16-9 (16:9)
INPUT A/B	INPUT A	INPUT B

#### Notes:

• Also refer to BASIC CONNECTION EXAMPLE on pages 12 and 13.

#### 22 AC inlet [AC IN]

Power input connector. Connect the provided AC power cord [23] to an AC outlet (120 V AC, 50 Hz/60 Hz).

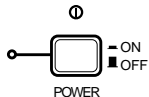
#### 23 Power cord

Connects the provided power cord (120 V AC, 50 Hz/60 Hz) to the AC IN connector.

# HOW TO HANDLE BASIC OPERATIONS

## BASIC OPERATION

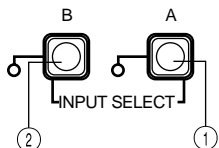
### 1. Press the POWER switch to turn on the power.



- ON : Power turns ON. (Power indicator: lit)
- OFF : Power turns OFF. (Power indicator: unlit)

### 2. Press the INPUT SELECT buttons to choose input.

Select video/audio signals input to terminals on the rear panel. The selected INPUT SELECT indicator lights in green.



INPUT SELECT button	Terminals on the rear panel	
	Video signal input	Audio signal input
① Input A (VIDEO)	VIDEO A terminal	AUDIO A terminal
② Input B (VIDEO / Y/C)	VIDEO B terminal	AUDIO B terminal
	VIDEO B (Y/C) terminal	

\* When both VIDEO B terminals are connected (input) at the same time, the Y/C terminal is given priority.

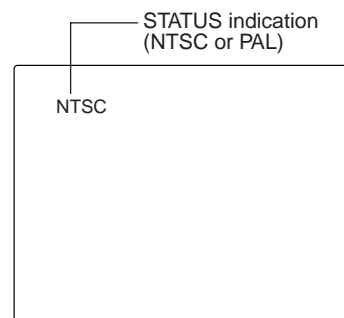
### 3. Press the VOLUME/SELECT buttons to adjust the speaker volume.



Press this button to display the speaker volume level on the screen.

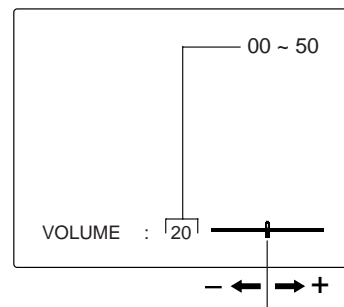
- + : The Built-in speaker volume is increased. (00 → 50)
- : The Built-in speaker volume is decreased. (50 → 00)

\* Screen indication will disappear about 10 seconds after operating.



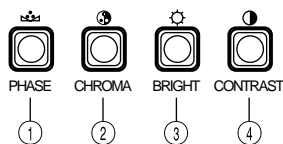
About the STATUS indication

- With the COLOR SYSTEM setting set to AUTO mode, when you turn on the power or select inputs, the colour system indication appears for about 3 seconds on the screen while NTSC or PAL signals are being detected. It does not appear when receiving a B/W signal or when no signal is input. Refer to page 8 for more information about COLOR SYSTEM setting and page 9 for more information about STATUS indication setting.



## PICTURE ADJUSTMENT

### 1. Press select buttons corresponding to the item you want to adjust.



The item you select is displayed on the screen.

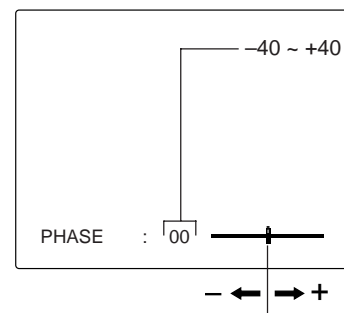
- ① PHASE (☑) : Phase control
- ② CHROMA (●) : Chroma control
- ③ BRIGHT (☀) : Brightness control
- ④ CONTRAST (●) : Contrast control

### 2. Adjust with the VOLUME/SELECT buttons.



Items	VOLUME/SELECT button	
	-	+
PHASE (Phase)	reddish	greenish
CHROMA (Chroma)	lighter	deeper
BRIGHT (Brightness)	darker	brighter
CONTRAST (Contrast)	lower	higher

\* Screen indication will disappear about 10 seconds after operating.



#### Notes:

- Phase control is effective only in the NTSC color system mode.
- Chroma control is not effective when receiving B/W or when no signal is input. (Except when a component signal is input.)
- When CHROMA is adjusted to “-40,” the picture becomes less colourful.
- “NO EFFECT” is displayed (for about 3 seconds) when your selected function has no effect.

# HOW TO USE THE MENU FUNCTIONS

## DISPLAY AND SELECTION IN THE <MENU> SCREEN MODE (SETTING)

You can set the following menu items.  
Set them depending on your needs.

- SHARPNESS
- COLOR TEMP.
- COLOR SYSTEM
- ASPECT RATIO

### 1. Press the MENU button.

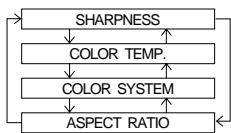


The <MENU> screen is displayed.  
\* The screen automatically disappears when no operation is performed after about 5 minutes.

### 2. Press the PHASE ( ) or CHROMA ( ) button to select MENU items.



A selection mark (▶) is put next to the selected item.



Front panel button	Function displayed	Contents
PHASE ( )	▼	Forward selection mark (▶)
CHROMA ( )	▲	Reverse selection mark (▶)

### 3. Press the VOLUME/SELECT buttons to set.



Front panel button	Function displayed	Contents
VOLUME/SELECT (+)	+	Increase (to max. value)
	▶	Forward the setting value
VOLUME/SELECT (-)	-	Decrease (to min. value)
	◀	Reverse the setting value

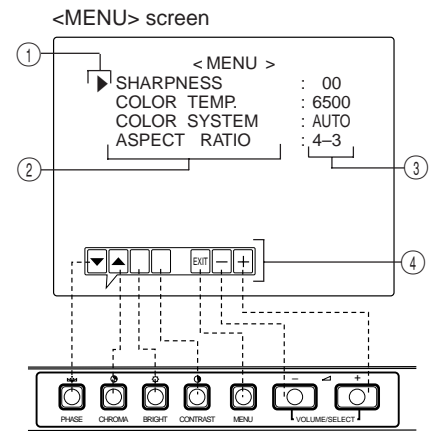
Menu items	Purpose	Setting range
SHARPNESS	Picture sharpness	00 ↔ +1 ↔ ..... ↔ +39 ↔ +40
COLOR TEMP.	Color temperature of white balance	9300 ↔ 6500
COLOR SYSTEM	Color system	AUTO ↔ NTSC ↔ AUTO ↔ PAL
ASPECT RATIO	Aspect ratio	4 - 3 ↔ 16 - 9

### 4. If you want to set the other menu items, repeat procedures 2 and 3.

### 5. Press the MENU button to quit.



Front panel button	Function displayed	Contents
MENU	EXIT	Quit (or Release) the <MENU> screen



<Front panel buttons>

- ① Selection mark (▶): Indicates the menu item you select.
- ② Menu item: Menu items you can select.
- ③ Setting display: Indicates the current settings (value).
- ④ Function display: The functions of the front panel buttons (7 buttons on the left) correspond to the function displayed.

Function displayed	Contents
▼	Forward the menu item.
▲	Reverse the menu item.
-	Lower the adjustment value. (to the minimum)
+	Raise the adjustment value. (to the maximum)
▶	Forward the setting value.
◀	Reverse the setting value.
EXIT	Exits the <MENU> screen.

**Note:**

- When the screen aspect ratio is set to 16 - 9 (16:9) in ASPECT RATIO, the picture will be vertically reduced.



# DISPLAY AND SELECTIONS IN THE <SET-UP MENU> MODE (SETTING)

You can set the following set-up menu items.

- H. POSITION
- V. POSITION
- WHITE BALANCE
- CONTROL LOCK
- STATUS DISPLAY
- INPUT REMOTE
- ASPECT REMOTE

**Notes:**

- Parameters for H. POSITION and V. POSITION can be set separately depending on the video input (Input A (VIDEO) or Input B (VIDEO / Y/C)) selected by the input select buttons on the front panel. Select the required video input with the input select buttons on the front panel in advance.
- WHITE BALANCE can be set individually at 6500 or 9300 for the colour temperature value. Set COLOR TEMP. to the value 6500 or 9300 in the <MENU> screen in advance.

## 1. While pressing the MENU button, press the PHASE ( ) button.

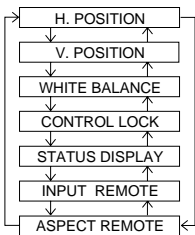


The <SET-UP MENU> screen is displayed.  
 \* The screen automatically disappears when no operation is performed after about 5 minutes.

## 2. Press the PHASE ( ) or CHROMA ( ) button to select the desired menu item.



A selection mark (▶) is put next to the selected item.



Front panel button	Function displayed	Contents
PHASE ( )	▼	Forward selection mark (▶)
CHROMA ( )	▲	Reverse selection mark (▶)

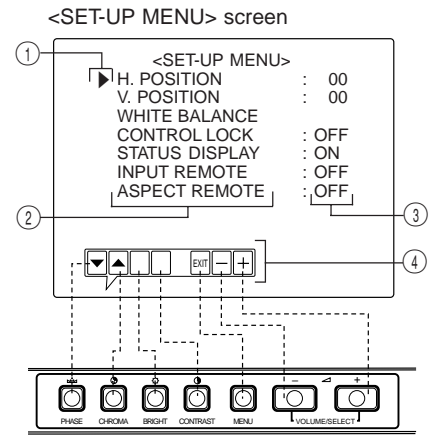
## 3. Press the VOLUME/SELECT buttons to set.



Front panel button	Function displayed	Contents
VOLUME/SELECT (+)	+	Increase (to max. value)
	▶	Forward the setting value
	CUTO	Selects CUT OFF setting screen
VOLUME/SELECT (-)	-	Decrease (to min. value)
	◀	Reverse the setting value
	DRV	Selects DRIVE setting screen

**Notes:**

- For the WHITE BALANCE setting, select the CUT OFF or DRIVE setting screen, then select the buttons (PHASE/CHROMA/BRIGHT) corresponding to the function indicated (R/G/B).
- Press the EXIT (MENU) button to return to the <SET-UP MENU> screen.



- ① Selection mark (▶): Indicates the menu item you select.
- ② Menu item: Menu items you can select.
- ③ Setting display: Indicates the current settings (value).
- ④ Function display: The functions of the front panel buttons (7 buttons on the left) correspond to the function displayed.

Function displayed	Contents
▼	Forward the menu item.
▲	Reverse the menu item.
-	Lower the adjustment value. (to the minimum)
+	Raise the adjustment value. (to the maximum)
▶	Forward the setting value.
◀	Reverse the setting value.
EXIT	Exit the <SET-UP MENU> screen. (release)
DRV	Selects DRV adjustment.
CUTO	Selects CUT OFF adjustment.
R	Adjusts red signal level.
G	Adjusts green signal level.
B	Adjusts blue signal level.
DISP	Turns the ON-SCREEN display on or off. (This function is effective only in the DRIVE or CUT OFF adjustment mode.)

# HOW TO USE THE MENU FUNCTIONS (cont'd)

Set-up menu items	Purpose	Settings
H. POSITION	Adjusts the horizontal position of the screen (+ : Horizontal position shifts to the right/-: Horizontal position shifts to the left)	-05 ↔ -04 ←.....→ -01 ↔ 00 ↔ +01 ←.....→ +04 ↔ +05
V. POSITION	Adjusts the vertical position on the screen (+: Vertical position moves down/-: Vertical position moves up)	-05 ↔ -04 ←.....→ -01 ↔ 00 ↔ +01 ←.....→ +04 ↔ +05
WHITE BALANCE	Adjusts the white balance	Selects DRIVE (DRV) or CUT OFF (CUTO) adjustment. Screen setting is changed to the selected setting mode. Select R/G/B buttons corresponding to the function display to adjust.
DRIVE   R.DRIVE	Adjusts red level	-20 ↔ -19 ←.....→ -01 ↔ 00 ↔ +01 ←.....→ +19 ↔ +20
B.DRIVE	Adjusts blue level	-20 ↔ -19 ←.....→ -01 ↔ 00 ↔ +01 ←.....→ +19 ↔ +20
CUT OFF   R. CUT OFF	Adjusts red cut off	-20 ↔ -19 ←.....→ -01 ↔ 00 ↔ +01 ←.....→ +19 ↔ +20
G. CUT OFF	Adjusts green cut off	-20 ↔ -19 ←.....→ -01 ↔ 00 ↔ +01 ←.....→ +19 ↔ +20
B. CUT OFF	Adjusts blue cut off	-20 ↔ -19 ←.....→ -01 ↔ 00 ↔ +01 ←.....→ +19 ↔ +20
CONTROL LOCK	Sets the operation buttons on the front panel to control lock mode	OFF ↔ ON
STATUS DISPLAY	Sets the status display of the colour system	ON ↔ OFF
INPUT REMOTE	Sets external control of input selection (INPUT A/B)	OFF ↔ A/B
ASPECT REMOTE	Sets external control of the aspect ratio	OFF ↔ ON

**4. To set the other set-up menu items, repeat the procedures 2 and 3.**

**5. Press the MENU button to quit.**



Front panel button	Function displayed	Contents
MENU	EXIT	Quit (or Release) the <MENU> screen

### Notes:

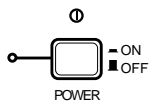
- When the CONTROL LOCK function is set to ON, pressing operation buttons on the front panel will display the message "CONTROL LOCK ON!" on the screen for about 3 seconds.
- The CONTROL LOCK function is maintained even when the power is turned off.
- To turn off the CONTROL LOCK function, while holding the MENU button press the PHASE button. Then set the CONTROL LOCK function to OFF.
- Even when the CONTROL LOCK function is set to ON, the following operations are available:
  - Power Switch operation
  - Volume control with the VOLUME/SELECT buttons
  - External control when INPUT REMOTE or ASPECT REMOTE is valid
  - Display or disappear of the <SET-UP MENU> screen.
- The STATUS DISPLAY function can be set to display (ON) or not display (OFF) the present colour system when the power is turned on or the input signal is changed. Refer to page 7 for more information.
- When the INPUT REMOTE function is valid (A/B), pressing the Input A or Input B buttons will display the message "REMOTE ON!" on the screen for about 3 seconds.
- The INPUT REMOTE function is valid (A/B) after quitting the <SET-UP MENU> screen.

# HOW TO INITIALISE THE SETTING

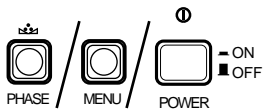
## SCREEN DISPLAY AND SELECTIONS IN THE <SET-UP MENU> RESET MODE

You can set <MENU> and <SET-UP MENU> screen items, picture adjustment items and the volume level to their factory-set (initial) values.

### 1. Press the Power (⓪) switch to turn the power OFF (■).



### 2. While pressing both MENU button and PHASE (Ⓜ) button, press the Power (⓪) switch to turn the power ON (■).



The <SET-UP MENU> RESET screen is displayed.

\* The screen automatically disappears when no operation is performed after about 5 minutes.

#### Note:

- The <SET-UP MENU> RESET screen will not be displayed if the MENU or PHASE buttons are pressed for a very short time. Keep pressing them until the display screen appears.

### 3. Setting

- Initialisation is required.



Press the CONTRAST (●) button.

\* Initialisation is completed, and the <SET-UP MENU> RESET screen disappears.

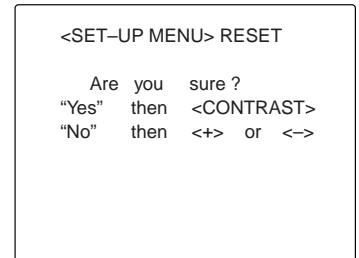
- Initialisation is not required.



Press the VOLUME/SELECT [+ ] or [- ] button.

\* Initialisation is aborted, and the <SET-UP MENU> RESET screen disappears.

<SET-UP MENU> RESET screen



Initial settings

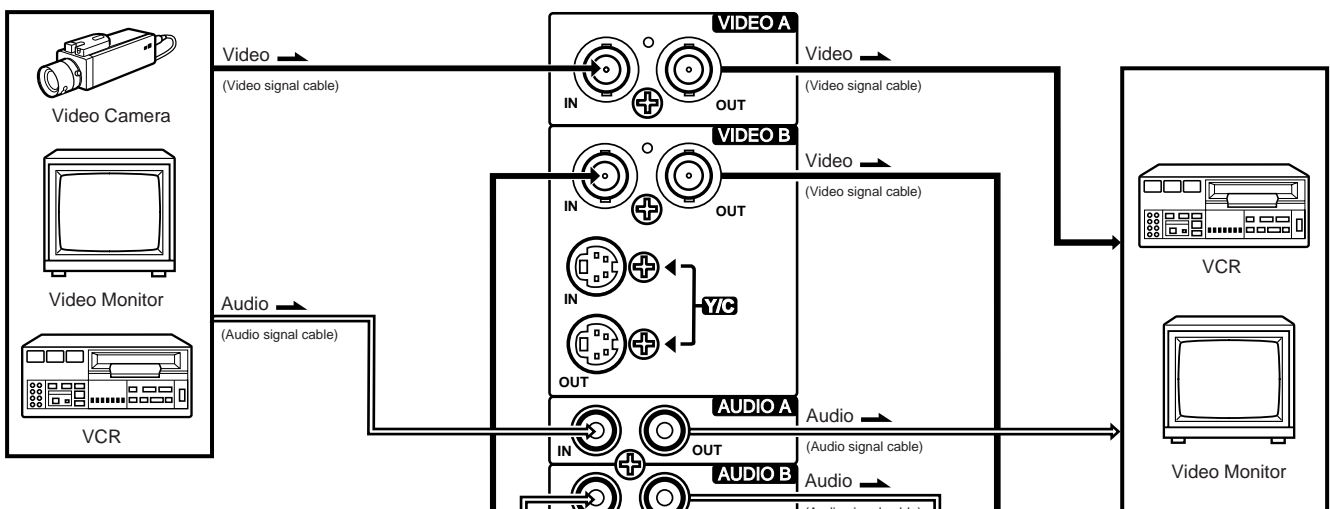
Sorts	Functions (Items)	Initialisation (setting)
<MENU> screen	SHARPNESS	00
	COLOR TEMP.	6500
	COLOR SYSTEM	AUTO
	ASPECT RATIO	4-3
<SET-UP MENU> screen	H. POSITION	00
	V. POSITION	00
	WHITE BALANCE	
	R. CUT OFF	00
	G. CUT OFF	00
	B. CUT OFF	00
	R. DRIVE	00
	B. DRIVE	00
	CONTROL LOCK	OFF
	STATUS DISPLAY	ON
Picture adjustment	INPUT REMOTE	OFF
	ASPECT REMOTE	OFF
	PHASE	00
	CHROMA	00
Volume	CONTRAST	00
	BRIGHT	00
	VOLUME	20

# BASIC CONNECTION EXAMPLE

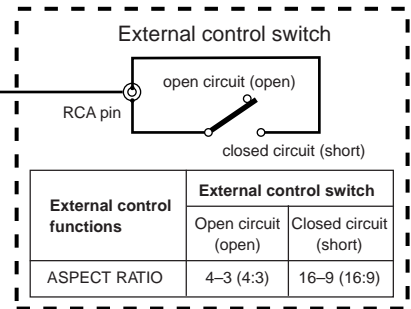
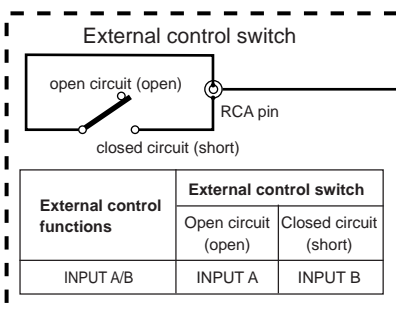
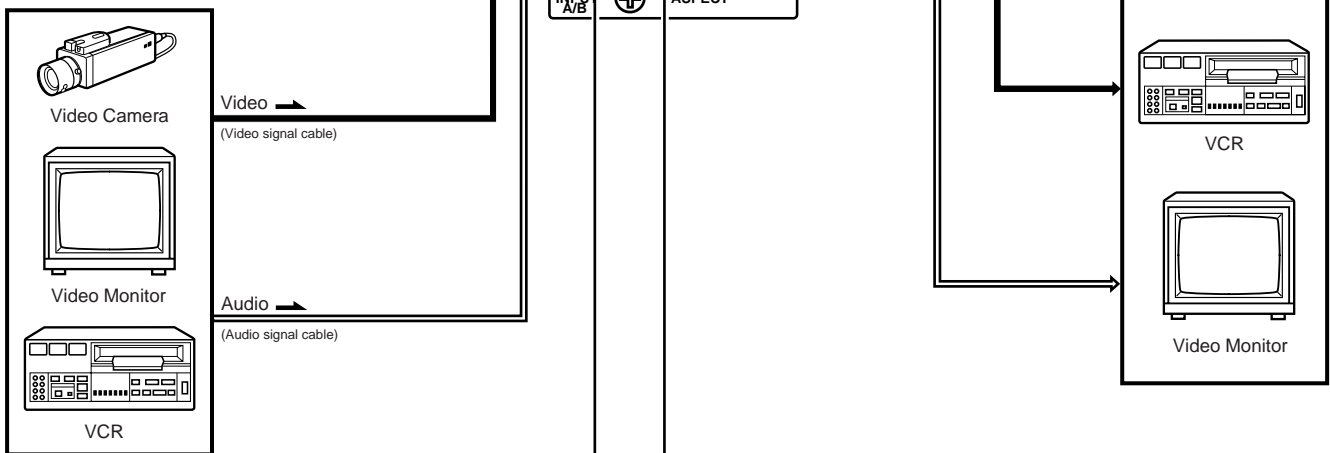
## Notes:

- Before connecting your system, make sure that all units are turned off.
- The illustration below shows some examples of different connections. Terminal connections may differ depending on the component connected. Be sure to refer to the instructions provided with the unit(s) you are connecting.
- Each pair of input (IN) and output (OUT) terminals are bridge-connected.
- If you're not connecting any equipment to a bridged output (OUT) terminal, be sure not to connect any other cables to the bridged output (OUT) terminal as this will cause the terminating resistance switch to open (auto terminate function).
- When making a bridge connection, connect the input (IN) and output (OUT) terminals on the monitor to separate video components. (For example, if both terminals are connected to the same VCR, resonance may occur except during playback. This is caused by the same video signal "looping" between the VCRs, and is not a malfunction.)
- Select the video input (INPUT A (VIDEO) or INPUT B (VIDEO / Y/C)) with the INPUT SELECT buttons on the front panel. When both VIDEO B terminals are connected (input) at the same time, the Y/C terminal is given priority.
- The ASPECT RATIO or INPUT A/B settings can be controlled via the REMOTE terminal by setting ASPECT REMOTE or INPUT REMOTE in the <SET-UP MENU> screen to valid. (Refer to pages 9 and 10.)

## VIDEO A Connection Example (Select Input A (VIDEO))

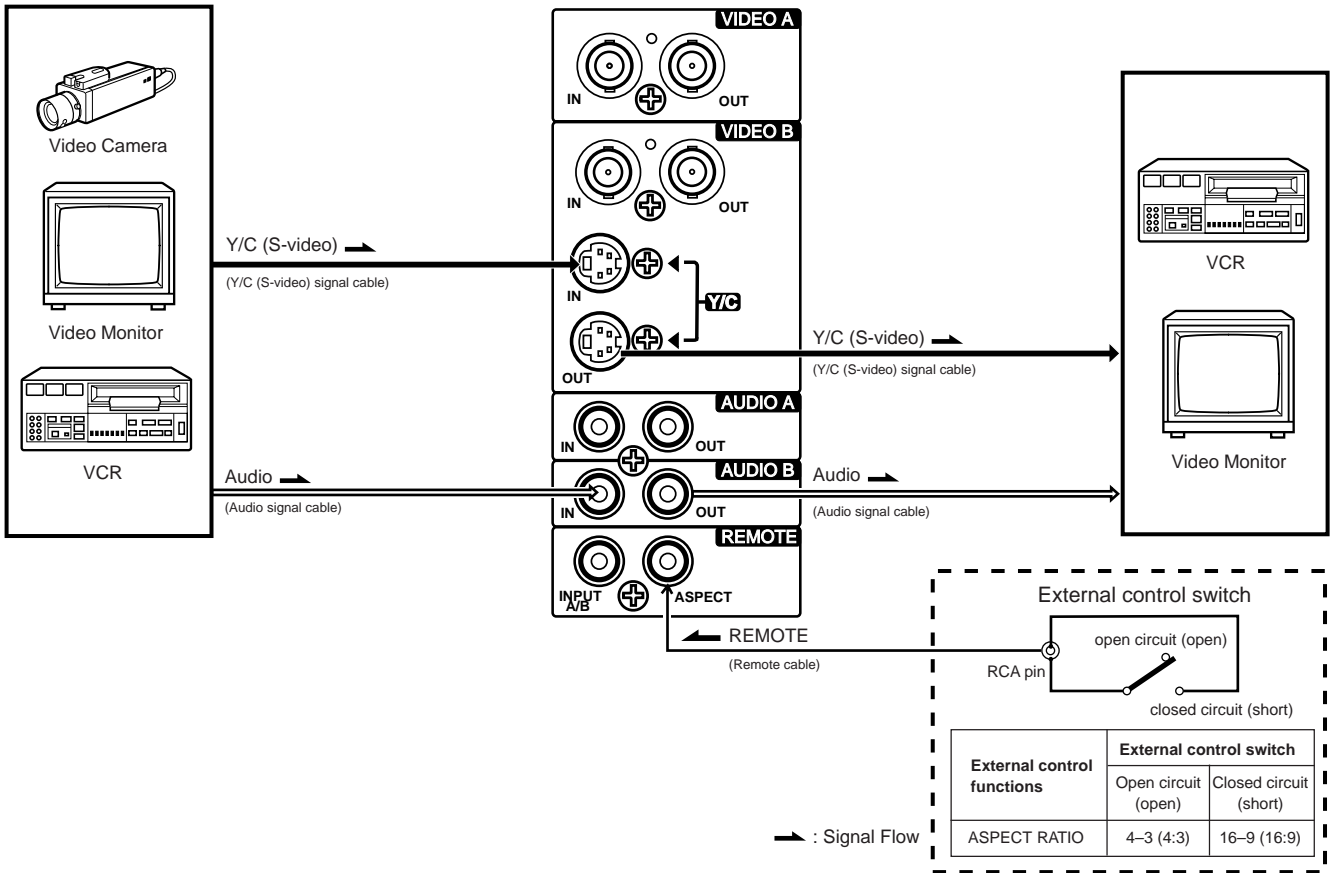


## VIDEO B (VIDEO) Connection Example (Select Input B (VIDEO))



➔ : Signal Flow

■ VIDEO B (Y/C) Connection Example (Select Input B (Y/C))



# TROUBLESHOOTING

Solutions to common problems related to your monitor are described here. If none of the solutions presented here solves the problem, unplug the monitor and consult a JVC-authorized dealer or service centre for assistance.

Problems	Points to be checked	Measures (Remedy)
<b>No power supply.</b>	Is the power plug loosened or disconnected?	Firmly insert the power plug.
<b>No picture with the power on.</b>	Is the video signal output from the connected component?	Set the connected component correctly.
	Is the input signal selected properly?	Select the required video signal input with the Input select button. (See page 7.)
	Is the video cable disconnected?	Connect the video signal cable firmly. (See pages 12 and 13.)
<b>No sound.</b>	Is the audio signal output from the connected component?	Set the connected component correctly.
	Is the volume output set to minimum?	Adjust the speaker volume with the VOLUME/SELECT button. (See page 7.)
	Is the audio cable disconnected?	Connect the audio signal cable firmly. (See pages 12 and 13.)
<b>Shaking picture.</b>	Is the monitor close to a device generating a strong magnetic field?	Move the device away from the monitor until the picture stabilises.
<b>No colors, wrong color, or dark picture.</b>	Is the color system selected properly?	Set COLOR SYSTEM in the <MENU> screen to AUTO. (See page 8.)
	Has the picture control setting (CONTRAST, BRIGHT, CHROMA or PHASE) been changed?	Set each picture control to the standard setting. (See page 7.)
<b>Unnatural, irregularly colored, or distorted picture.</b>	Is the monitor close to a speaker, magnet or any other device generating a strong magnetic field?	Move the device away from the monitor and turn the monitor's power off. Wait at least 30 minutes, then turn the power on again.
<b>Dark stripes appear at the top and bottom of the screen, picture vertically squeezed.</b>	Is the aspect ratio set to 16:9?	Set ASPECT RATIO in the <MENU> screen to [4 : 3 (4 – 3)]. (See page 8.) When controlling externally, ASPECT RATIO should be set to [4 : 3 (4 – 3)]. (See pages 12 and 13.)
<b>The overall picture size is too small.</b>	Has the UNDER SCAN button been pressed so the UNDER SCAN indicator lights?	Press the UNDER SCAN button to turn off the indicator. (See page 4.)
<b>Function buttons on the front panel do not function.</b>	Has control of the buttons been locked? (Has the CONTROL LOCK function been set to ON?)	Set CONTROL LOCK in the <SET-UP MENU> screen to OFF. (See pages 9 and 10.)
<b>The INPUT SELECT buttons do not function.</b>	Is input selection under external control? (Has the INPUT REMOTE function been set to valid (A/B)?)	Set INPUT REMOTE in the <SET-UP MENU> screen to OFF. (See pages 9 and 10.)

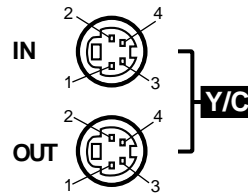
## The following are not malfunctions:

- When a bright still image (such as a white cloth) is displayed for a long period, it may appear to be colored. This is due to the structure of the cathode ray tube and will be deleted when another image is displayed.
- You experience a mild electric shock when you touch the picture tube. This phenomenon is due to a normal buildup of static electricity on the CRT and is not harmful.
- The monitor emits a strange sound when the room temperature changes suddenly. This is only a problem if an abnormality appears on the screen as well.
- If two or more monitors are operated next to each other, their images may shake or be distorted. This phenomenon is due to mutual interference; it is not a malfunction. Move the monitors away from each other until the interference disappears or turn the power off on any monitor that is not being used.

# SPECIFICATIONS

- **Type** : Color video monitor
- **Color system** : NTSC (3.58), PAL
- **Picture tube** : 13" measured diagonally, 90° deflection, in-line gun, trio-dot type (phosphor dot-trio pitch 0.28 mm)
- **Effective screen size** : Width 11-1/8" (280.8 mm)  
Height 8-3/8" (210.6 mm)  
Diagonal 13-1/4" (335.4 mm)
- **Scanning frequency** : (H) 15.734 kHz (NTSC)  
15.625 kHz (PAL)  
(V) 59.94 Hz (NTSC)  
50 Hz (PAL)
- **Horizontal resolution** : 750 TV lines or more (Y/C input mode)
- **Input terminals**
  - VIDEO A : Composite video:  
1 line, BNC connector x 2,  
1 V(p-p), 75 Ω, negative sync  
(bridge connection possible,  
auto termination)
  - VIDEO B : Composite video:  
1 line, BNC connector x 2,  
1 V(p-p), 75 Ω, negative sync  
(bridge connection possible,  
auto termination)
  - Y/C-separated:  
1 line, mini-DIN 4-pin  
connector x 2  
Y: 1.0 V(p-p), 75 Ω  
C (BURST): 0.286 V(p-p),  
75 Ω (NTSC)  
0.3 V(p-p), 75 Ω (PAL)  
(bridge connection possible,  
auto termination)
  - AUDIO A : 1 line (monaural), RCA pin x 2  
0.5 V(rms), high-impedance  
(bridge connection possible)
  - AUDIO B : 1 line (monaural), RCA pin x 2  
0.5 V(rms), high-impedance  
(bridge connection possible)
  - REMOTE INPUT A/B : 1 line, RCA pin x 1
  - REMOTE ASPECT : 1 line, RCA pin x 1
- **Audio power output** : 1 W (monaural)
- **Built-in speaker** : 3-1/8" (8 cm) round x 1  
impedance of 8 Ω
- **Environmental conditions** : Operation temperature:  
0 °C – 40 °C  
Operation humidity:  
20 % – 80 % (non-condensing)
- **Power requirements** : 120 V AC, 50 Hz/ 60 Hz
- **Power consumption** : 1.1 A (120 V AC)
- **Dimensions** : Width 13-5/8" (346 mm)  
Height 12-1/4" (310 mm)  
Depth 14-7/8" (375 mm)
- **Weight** : 29.5 lbs (13.4 kg)
- **Accessory** : AC power cord [7.9ft (2.4m)] x 1

## Y/C (Mini DIN 4 pin) terminal specification



Pin No.	Signal
1	GND (Y)
2	GND (C)
3	Y
4	C

\* Illustrations used in this manual are for explanatory purposes only. The appearance of the actual product may differ slightly.

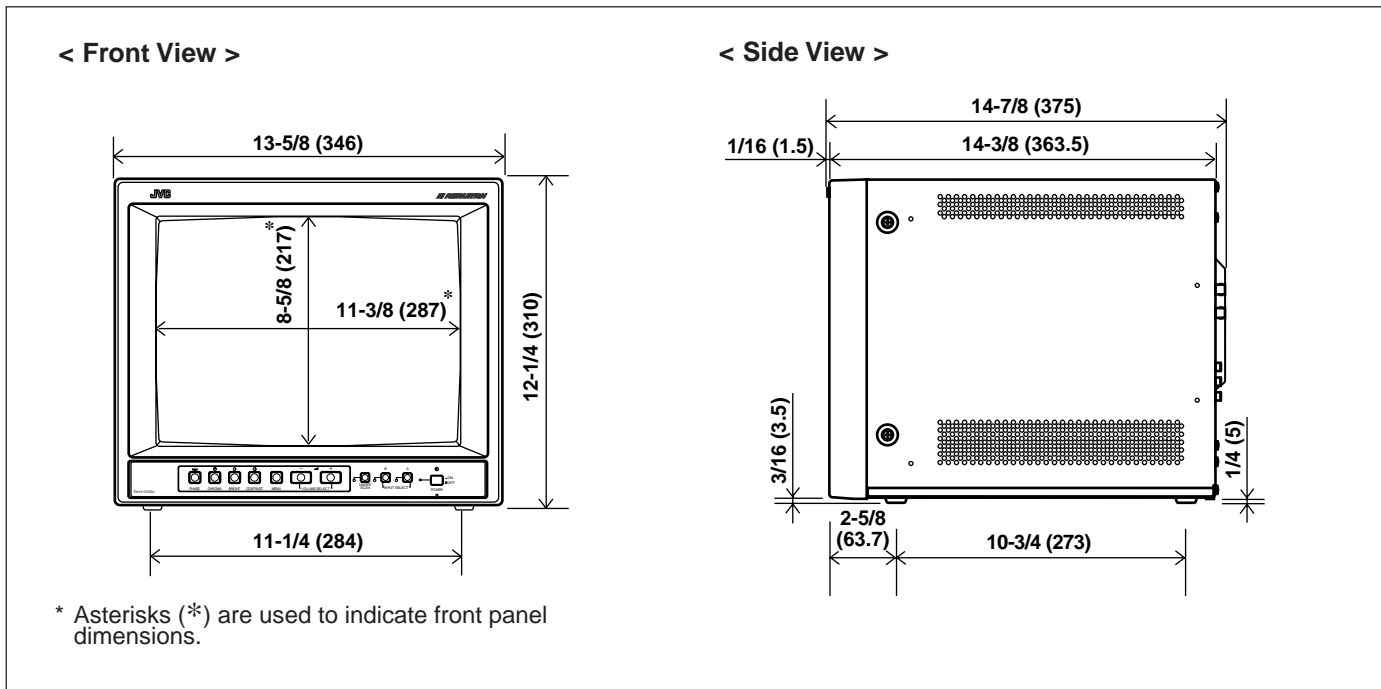
\* Dimensions and weight are approximate.

\* E. & O. E. Design and specifications subject to change without notice.

# SPECIFICATIONS (cont'd)

## Dimensions

Unit : inch (mm)



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