



COLOR VIDEO MONITOR

TM-A9U TM-A9UCV

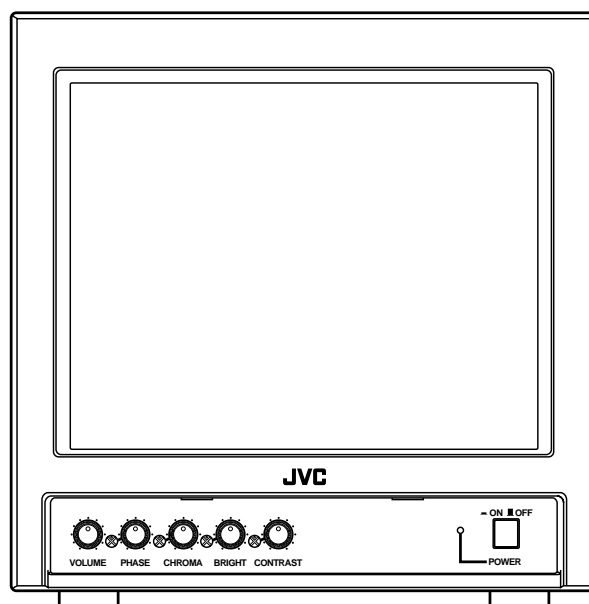
INSTRUCTIONS

For Customer Use:

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

Model No. _____

Serial No. _____



(TM-A9U shown.)

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

SAFETY PRECAUTIONS

WARNING:

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

CAUTION:

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

INFORMATION

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 A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

■ PRECAUTIONS

- Use only the power source specified on the unit.
- 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 benzene. 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.

FEATURES

- 9-inch TV-grade cathode-ray tube
- Horizontal resolution of 280 TV lines or more
- Professional metal cabinet design
- Bridge-connectable input terminals (1 line for video, 1 line for audio *1)

*1: The audio function can only be used with the TM-A9U.
It is not available with the TM-A9UCV.

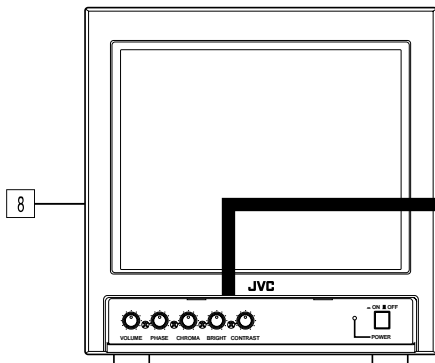
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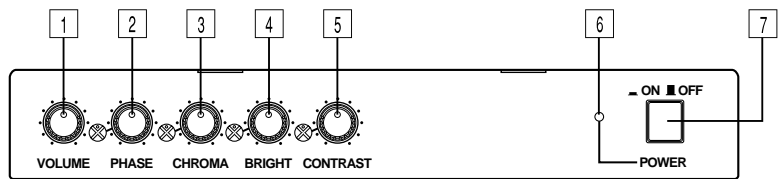
CONTROLS AND FEATURES

FRONT

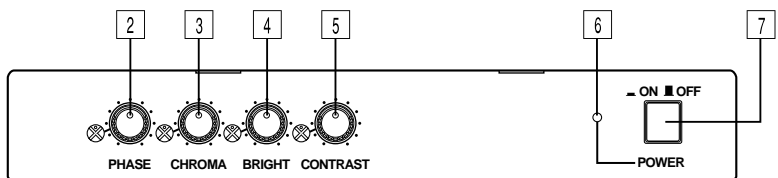
(Front view of TM-A9U shown.)



[TM-A9U]



[TM-A9UCV]



1 VOLUME control (TM-A9U only)

Turn to adjust speaker volume.

2 PHASE control

Turn to adjust picture hue, using natural skin color as a reference.

3 CHROMA control

Turn to adjust picture color density according to your requirements.

4 BRIGHT control

Turn to adjust picture brightness according to your requirements.

5 CONTRAST control

Turn to adjust picture contrast according to your requirements.

6 Power indicator

Glow to indicate that power is on.

7 POWER switch

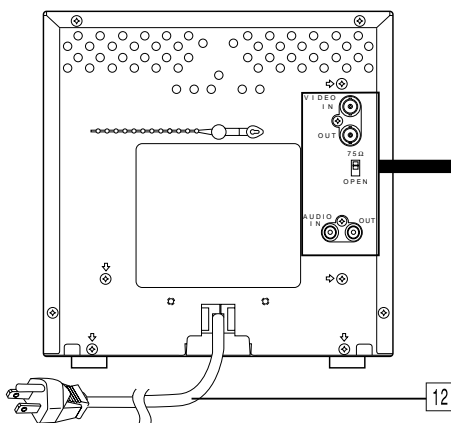
Press to turn the power on or off.

8 Speaker (TM-A9U only)

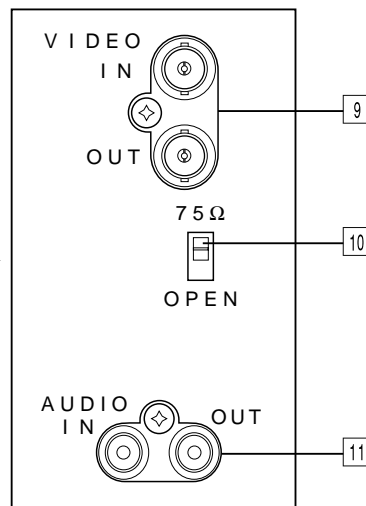
The built-in speaker is located on the side panel.

REAR

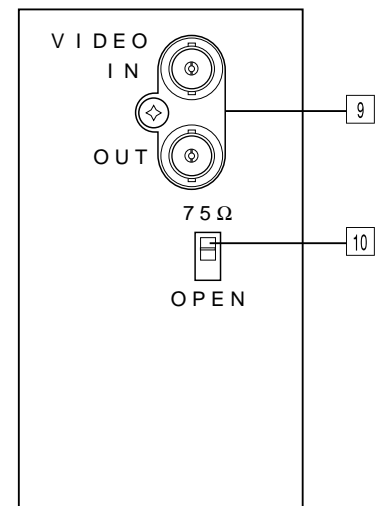
(Rear view of TM-A9U shown.)



[TM-A9U]



[TM-A9UCV]



9 VIDEO IN (video input), VIDEO OUT (video output) terminals

These are the input and output (bridge-connected output) terminals (BNC) for the video signal. When a signal is input through the IN terminal, a bridge-connected (looping) output can be obtained from the OUT terminal.

Note:

- Confirm if the termination switch setting matches the VIDEO terminal connection.

10 Termination switch

Set to OPEN for bridge connection; set to 75Ω for input signal only.

11 AUDIO IN (audio input), AUDIO OUT (audio output) terminals (TM-A9U only)

These are the input and output (bridge-connected output) terminals (RCA) for the audio signal. When a signal is input through the IN terminal, a bridge-connected (looping) output can be obtained from the OUT terminal.

12 Power cord

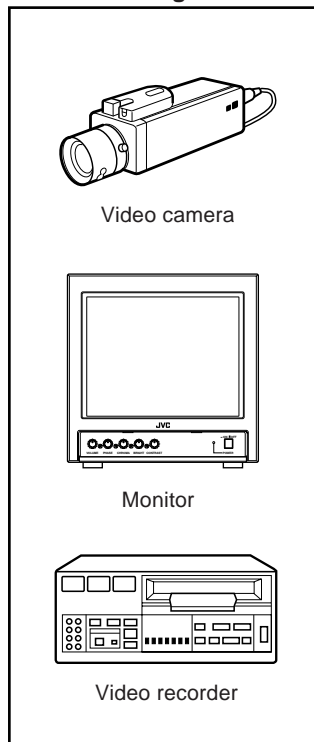
Connect the power plug to an AC outlet (120 V AC, 60 Hz).

Note:

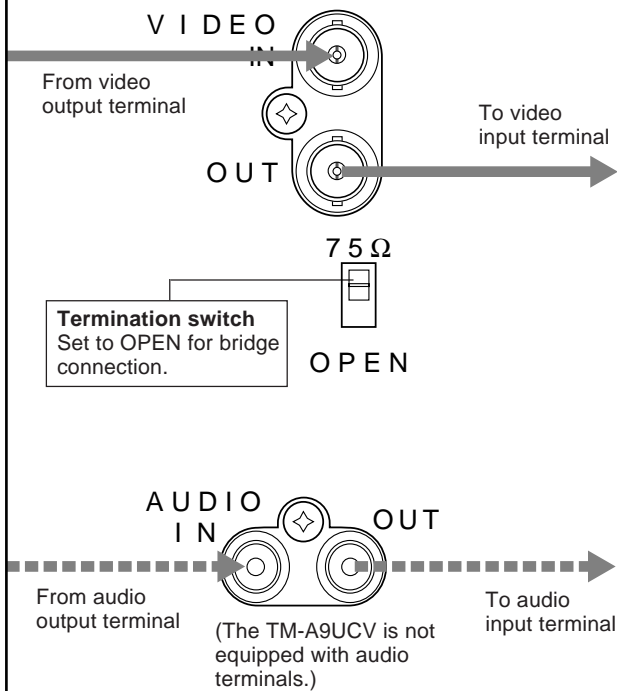
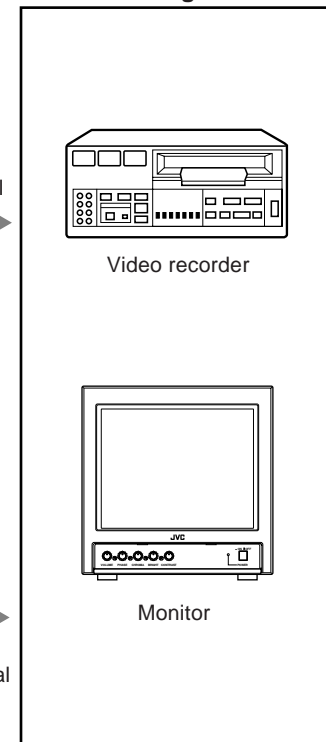
- The monitor may be equipped with a 3-blade ground-type plug. If you are unable to insert the plug into the outlet, contact your electrician.

CONNECTION EXAMPLE

Equipment which outputs video/audio signals



Equipment which inputs video/audio signals



Notes:

- The illustration above only shows some possible connection examples, for reference. Terminal types and/or connections may differ according to the component connected. Also refer to the Instruction Manual of the component to be connected.
- Before connecting, be sure to turn off the power of all the components.
- For video signal connection, use only a 75 Ω coaxial cable.
- Input and output terminals for video or audio (The TM-A9UCV is not equipped with audio terminals.) are bridge-connected. Do not apply two input signals to both (input and output) terminals at the same time.
- For a bridge (loop) connection, connect each of input and output terminals on the monitor to separate video components. For example, if both of them are connected to a video recorder, the picture will shake abnormally except when in the recorder's play mode. This phenomenon occurs due to a signal circulating around inside a certain component, and is not a malfunction.

BASIC OPERATION

1. To turn the power on:

Push the POWER switch.

The power indicator glows green. To turn off power, push the POWER switch again, and the power indicator goes off.

2. To adjust the audio level: (TM-A9U only)

Turn the VOLUME control to the right to increase the level, or to the left to decrease the level.

Note:

- The audio function can only be used with the TM-A9U. It is not available with the TM-A9UCV.

PICTURE ADJUSTMENTS

Turn a separate front panel control to adjust picture contrast, picture brightness, picture color density and picture hue respectively:

■ **CONTRAST** (picture contrast) control —



■ **CHROMA** (picture color density) control —



■ **BRIGHT** (picture brightness) control —



■ **PHASE** (picture hue) control —



TROUBLESHOOTING

Before concluding a problem has occurred, check the following points. If the problem persists after carrying out the checks, disconnect the power cord from the AC outlet and consult the dealer from whom you purchased the monitor.

Note:

- The audio function can only be used with the TM-A9U.
It is not available with the TM-A9UCV.

Problems	Points to be checked	Measures
No power supply.	Is the power plug connected to the AC outlet?	Securely connect the power plug to the AC outlet.
No picture or sound.	Is the monitor turned on?	Press the POWER switch to turn the monitor ON (see pages 4 and 5).
	Is an output signal coming in from a source component?	Perform required settings on the output component.
	Is the cable connected improperly?	Connect both the video/audio signal cables securely and properly (see pages 4 and 5).
Normal picture but no sound.	Is audio level set to the minimum?	Adjust the VOLUME control (see pages 4 and 5).
	Is the audio signal cable connected improperly?	Connect the audio signal cable securely and properly (see pages 4 and 5).
Normal sound but no picture.	Is the video signal cable disconnected or connected improperly?	Connect the video signal cable securely and properly (see pages 4 and 5).
No color, wrong color, or dark picture.	Have the picture settings been changed?	Adjust CHROMA, BRIGHT, CONTRAST and/or PHASE controls (see pages 4 and 6).
Shaking picture.	Is there a device generating a strong magnetic field (motor, transformer, etc.) near the monitor?	Move it away from the monitor until the picture becomes stable.
Unnatural, irregularly colored or distorted picture.	Is there a speaker, magnet or any other magnetized object near the monitor?	After moving it away from the monitor, turn the monitor's power off. After 30 minutes or more, turn the power on again.

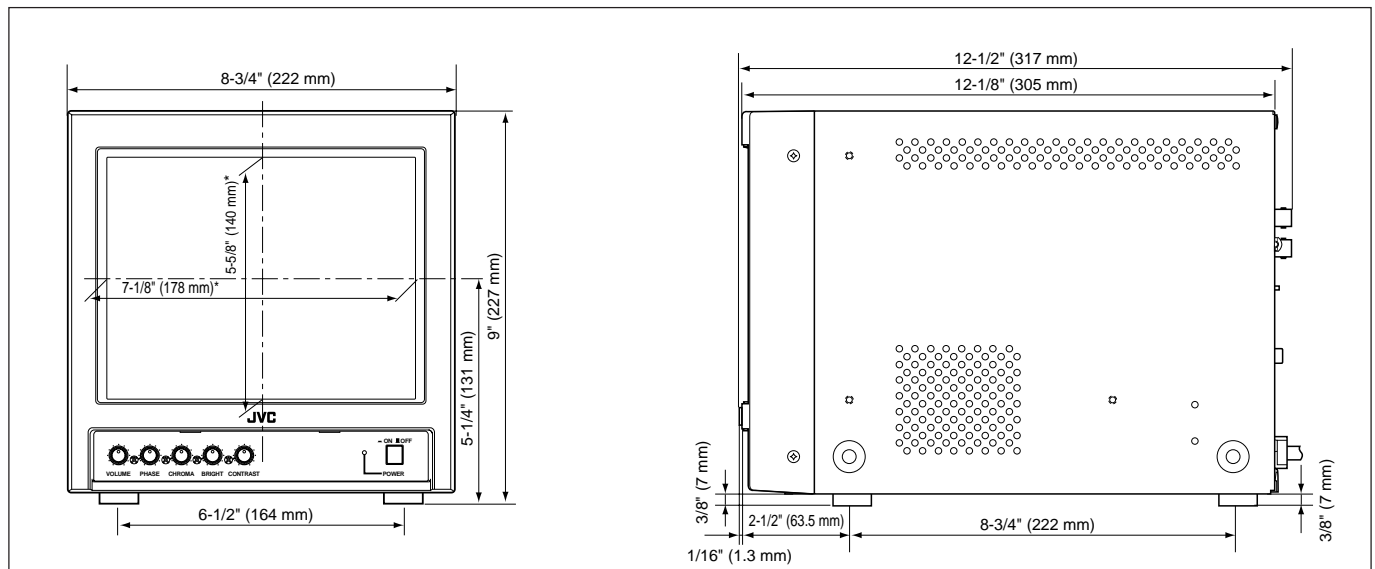
SPECIFICATIONS

Type : Color video monitor
Color system : NTSC
Picture tube : 9" measured diagonally,
 90° deflection, in-line gun,
 vertical stripe phosphor pitch
 0.5 mm
Screen size (W x H) : 6-13/16" x 5-3/8" (173 x 136 mm)
Scanning frequency : (H) 15.734 kHz
 (V) 59.94 Hz
Horizontal resolution : 280 TV lines or more
Video input : 1 line, BNC x 2 (with 1 bridge-
 connected output),
 1.0 V p-p, 75 Ω, negative sync,
 bridge connection possible (termi-
 nation switch provided)
Audio input : TM-A9U only
 1 line (monaural), RCA x 2 (with 1
 bridge-connected output), 0.5 V
 rms, high impedance, bridge
 connection possible

Audio power output : TM-A9U only
(effective) 1 W (monaural)
Built-in speaker : TM-A9U only
 3-3/16" (8 cm) round, 8 Ω x 1
Operation : 0 – 40 °C (32 – 104 °F)
temperature
Relative humidity : 20 – 80 %
Power requirements : 120 V AC, 60 Hz
Power consumption : 0.66 A maximum [TM-A9U]
 0.63 A maximum [TM-A9UCV]
Dimensions : 8-3/4" x 9" x 12-1/2"
(W x H x D) (222 x 227 x 317 mm)
Weight : 15.4 lbs (7.0 kg) [TM-A9U]
 15.2 lbs (6.9 kg) [TM-A9UCV]

Dimensions

* The faceplate dimensions shown are larger than the visible portion of the screen (screen size).



(TM-A9U shown.)

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

JVC®

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