

**SONY**

3-856-697-11 (1)

# ***Mobile LCD Color Monitor***

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## **Operating Instructions**

Before operating the unit, please read this manual thoroughly and retain it for future reference.

## **Owner's Record**

The model name and serial number are located on the bottom of the monitor.

Record the serial number in the space provided below.

Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No.XVM-42    Serial No. ....

***XVM-42***

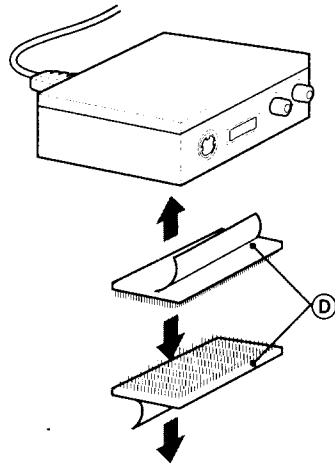
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# Installing the Power Box

## Tips on the Mounting Location

Choose the mounting location carefully so that the unit will not interfere with the operation of the vehicle.

Installing with the Velcro  
tape ① (supplied)



to where it is going to be mounted

## Specifications

Color system	NTSC
Display	TN LCD/TFT active matrix
Picture size	81.9 × 61.8 mm (w/h) (3 1/4 × 2 1/2 in.) 102 mm (4 in.) diagonally
Picture element	112,086 (234 × 479)
Input jack	16 PIN rectangular connector Video: 75Ω, 1 Vp-p
Power requirements	12 V DC
Power consumption	Approx. 1 A
Dimensions	138 × 92 × 44.5 mm (w/h/d) (5 1/2 × 3 3/8 × 1 13/16 in.)
Operating temperature	-10°C to 60°C (14°F to 140°F)
Weight	Approx. 600 g (21 oz.)
Supplied accessories	Power Box (1) Parts for installation and connections (1 set)

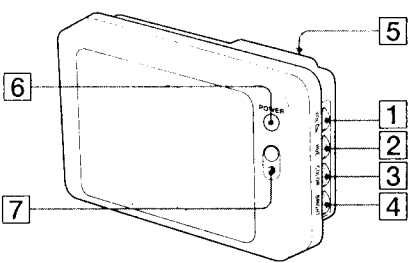
Design and specifications are subject to change without notice.

## Troubleshooting Guide

Disturbances in picture can often be eliminated by checking the symptoms and following suggestions listed below. If the problem still cannot be solved, contact your nearest service facility.

Symptom	Cause/Solution
No picture	The monitor should not be connected to the power box correctly
No color, abnormal color, or dark picture	Adjust the COLOR, HUE, BRIGHT controls.

# Parts Identification



**1** VOL (volume) control

to increase



to decrease

**4** BRIGHT(brightness) control

to darken



to lighten

**2** HUE control

adjust to set the skin tones  
purple skin tones



green skin tones

**Note**  
The brightness may be varied by adjusting the angle of the monitor. If you cannot obtain the optimum brightness, readjust it by the BRIGHT control.

**5** Speaker (rear)

**6** POWER button

**7** Power indicator

**3** COLOR control

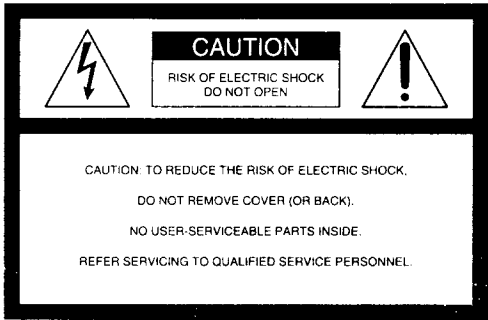
light color



deep color

# WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol 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.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# WARNING

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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

## Features

- 4-inch mobile LCD color monitor compatible with Sony BUS system. Operate the unit by connecting it to a TV tuner unit (XT-U40V etc.).
- High quality 4-inch LCD provides a clear, vivid picture and natural color reproduction.
- Built-in fluorescent lamps provide high luminance and even luminescence and allow variable adjustments of brightness.

## Precautions

### On safety

- Do not open the unit. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the unit, disconnect the power source and have the unit checked by qualified personnel before operating it any further.

### On installation

Do not place the unit:

- on a dashboard.
- in a hot place, subject to direct sunlight, near a heater or in a car with the windows closed (especially in summer) or in an extremely cold place.
- in a place subject to excessive dust, or moisture.

### On use

- The driver should not watch or operate the unit while driving.
- Do not use the unit for a long period of time with the engine off.

### On LCD

- Do not press the liquid crystal panel forcibly, as it may cause poor picture and damage to the unit.
- Use the unit within a temperature range of  $-10^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $140^{\circ}\text{F}$ ).
- When you use the unit in a cold place, double or delayed images may occur but this is not a malfunction.

### On built-in fluorescent lamps

When using the monitor in a cold place, the fluorescent lamps become dark. It will brighten as the temperature in the car rises.

### On cleaning

Clean the unit with a soft cloth slightly dampened with a mild detergent solution. Never use strong solvents, such as thinner or benzine, as they may damage the finish.

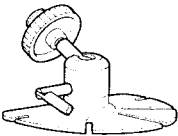



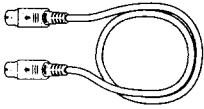
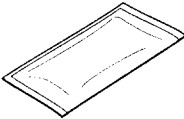
### On fuse Replacement

When replacing the fuse, be sure to use the one with the correct amperage which will be stated on the fuse case. Never use a fuse whose amperage rating exceeds the one supplied to the unit as this could cause a malfunction of the unit.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult the nearest Sony dealer.

# Parts for Installation and Connections

The letters in the list are keyed to those in the instructions.

<div><div>A</div><div></div><div>x1</div></div>	<div><div>B</div><div></div><div>x3</div></div>
<div><div>C</div><div></div><div>x1</div></div>	<div><div>D</div><div></div><div>x1</div></div>
<div><div>E</div><div></div><div>x1</div></div>	<div><div>F</div><div></div><div>x1</div></div>

# Installing the Monitor Unit

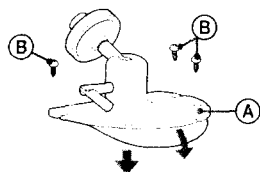
## Caution on installation

### Do not install the unit:

- on a dashboard.
- in a hot place, subject to direct sunlight, near a heater or in a car with the windows closed (especially in summer) or in an extremely cold place.
- in a place subject to excessive dust, moisture.
- in a place subject to harming the passenger.
- in a place subject to distracting the driver.
- on a door or the ceiling.

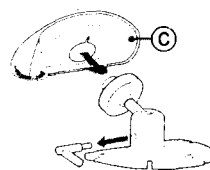
- 1 Choose the mounting location. Peel off the protective film from the base of the monitor stand (A), then fix the stand with the supplied screws (B), making sure that the double-sided tape is adhered to the mounting surface securely.**

Before installing the Monitor Unit, wipe any dirt off the mounting surface with the supplied cleaning cloth (E).



to where it is going to be mounted

- 2 Attach the supplied plastic cover (C) over the base of the monitor stand.**



### Notes

- Clean the mounting surface well with the supplied cleaning cloth. (The cleaning cloth is the disposable type.)
- Warm the mounting surface and the double-sided tape to the room temperature of more than 20°C (68°F) and then press the base of the stand with the double-sided tape attached, hard against the mounting surface.
- When tightening the screw nuts, make sure that the nearby wiring do not get caught.
- When drilling holes on the mounting surface, make sure that there is not anything on the other side.



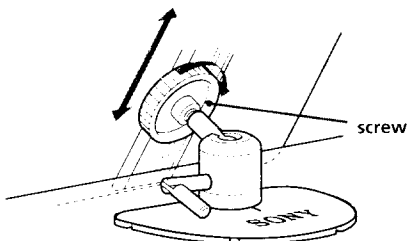
**Tips on the Mounting Location**

- Choose the mounting location of the Monitor Unit carefully.
- In order to prevent rattling from the vibration of the car, make sure that the back or the bottom side of the Monitor Unit is touching the mounting surface when mounting the Monitor Unit.



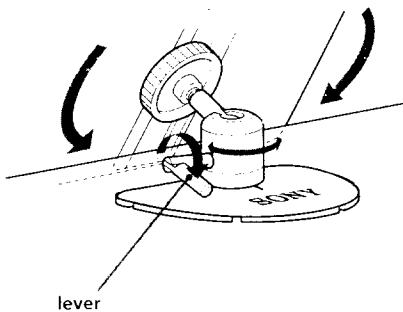
**3 Adjust the hight.**

After the adjustment, tighten the screw to fix the height.

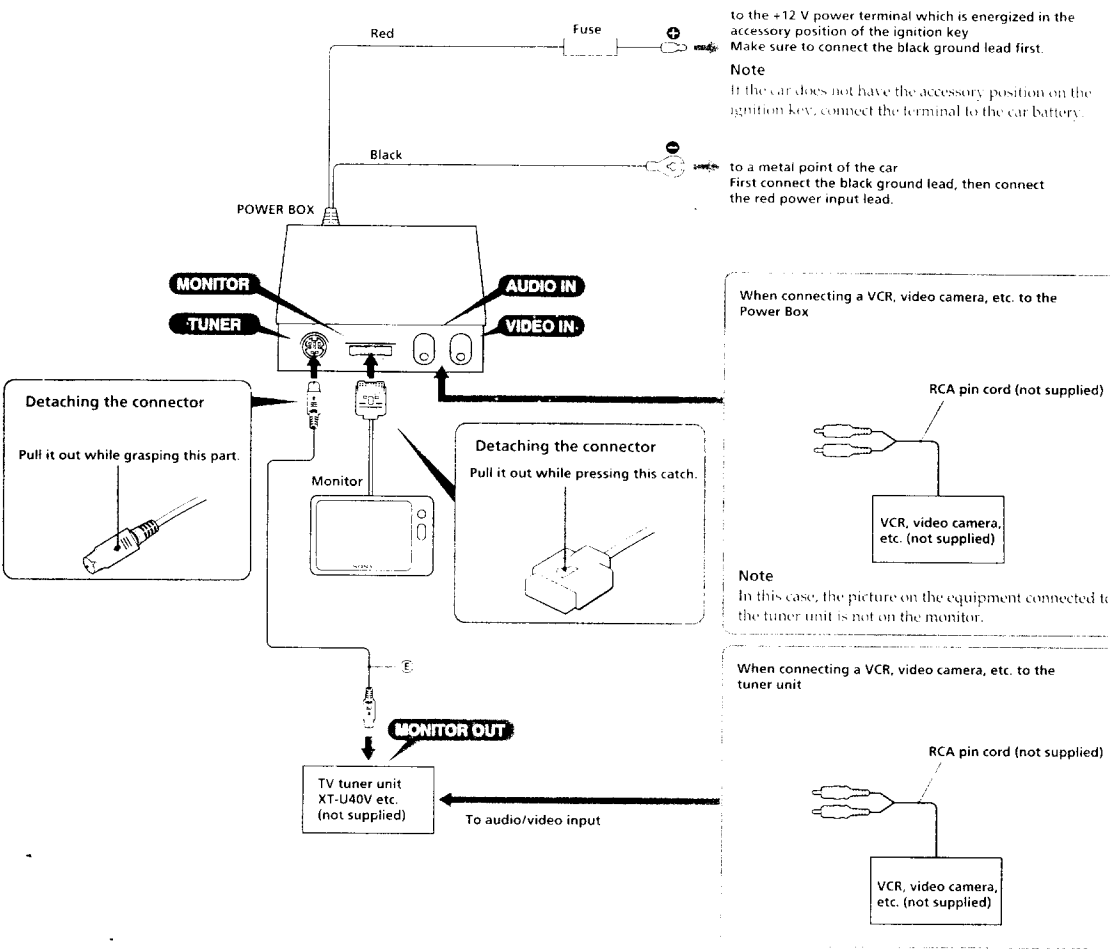


**4 Adjust the angle.**

Loosen the lever and then adjust the angle. After the adjustment, tighten the lever to fix the angle.



Connection



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