

LCD Color TV

FDL-370

Operating Instructions

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

Owner's Record

The model number is located at the front and bottom and the serial number at the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

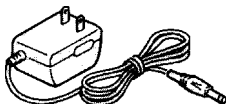
Model No. FDL-370 Serial No.

Features

- The LCD (Liquid Crystal Display) provides clear pictures and natural facial color tones.
- It is used as an AV (audio/video) monitor.
- The signal booster amplifies the radio waves and improves receiving.
- It has a powerful sound output of 500mW.
- The voltage synthesizer tuning system allows easy tuning.
- Provides 8 hours of continuous operation using the six size C (LR14) alkaline batteries.
- An angle-adjustable stand is provided.

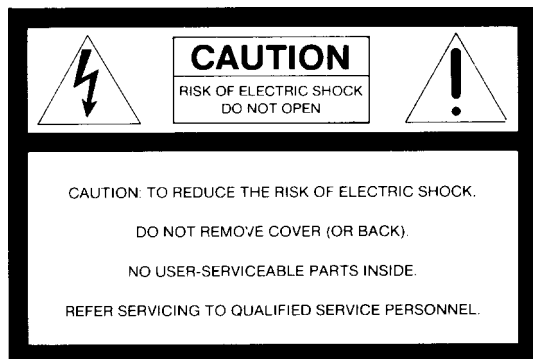
Supplied accessory

AC power adaptor (1)



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.

*The graphical symbols are on the rear enclosure.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer’s instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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 the receiving antenna
- Relocate this equipment with respect to the receiver
- Move this equipment away from the receiver
- Plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

“How to Identify and Resolve Radio-TV Interference Problems”.

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

Precautions

- Do not open the casing. Refer servicing to qualified personnel only.
- Operate the unit only on 9 V DC.
For AC operation, use the supplied AC power adaptor. Do not use any other AC power adaptor.
For car battery operation, use the Sony DCC-E190L car battery cord (not supplied). Do not use any other car battery cord.
- Disconnect the AC power adaptor from the wall outlet when the unit is not to be used for an extended period of time.
- Do not place the unit in a hot place or in a place subject to excessive dust or vibration.
- Avoid rough handling.
- 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.
- When the unit is exposed to a sudden change of temperature, moisture condensation will occur inside. In this case, leave the unit in a dry place for a while before use.

On LCD

- Do not press the LCD screen forcibly, as it may cause poor picture and damage to the unit.
- Use the unit within a temperature range of 0°C to 45°C (32°F to 113°F).
- When you use the unit in a cold place, double images or delayed images may occur but this is not a malfunction.

On the AC power adaptor

- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.

Note to CATV system installer in the U.S.A.: —

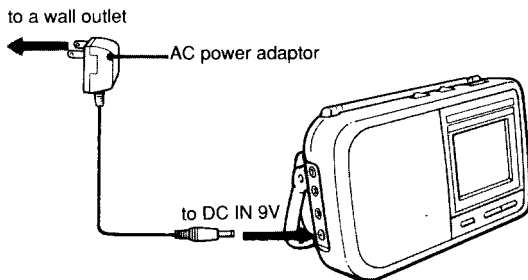
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

If you have any question or problem concerning your unit that is not covered in this manual, please consult the nearest Sony dealer.

Power Sources

Using on House Current (120V AC)

Use the supplied AC power adaptor.



Use only the supplied AC power adaptor or DCC-E190L car battery cord. Do not use any other AC power adaptor or car battery cord.



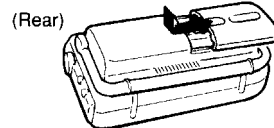
Polarity of the plug

When the unit is not to be used for a long period of time, remove the batteries to avoid unit damage caused by battery leakage and corrosion.

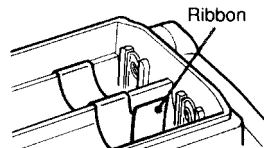
Using on the Alkaline Batteries

Insert six size C (LR14) batteries (not supplied).

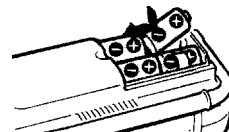
1 Remove the battery compartment lid.



2 Lay the ribbon.



3 Insert the batteries with correct polarities.



Reinstall the lid.

To remove the batteries

Pull the ribbon. The batteries will come out of the compartment.

Battery replacement

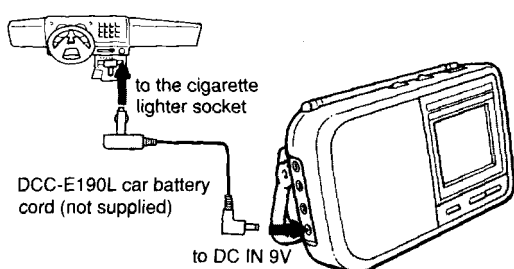
When the batteries become weak, the unit's protective function will automatically cause the picture to disappear. In this case, replace all the batteries with new ones.

Battery life

You can continuously use for approximately 8 hours on the alkaline batteries, or approximately 2.5 hours on the manganese batteries. The batteries will last shorter in cold places.

using on Car Battery

You can use the unit only in a 12 V DC car.
You need the Sony DCC-E190L car battery cord (not supplied).



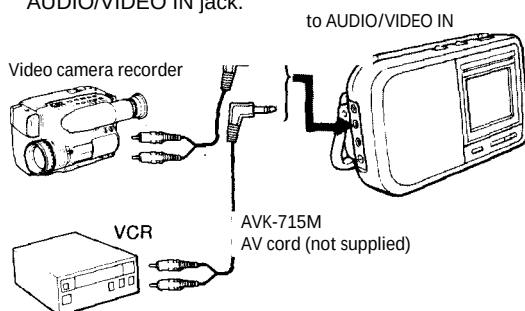
Using as a Monitor

You can use the unit as a color monitor for your VCR or video camera recorder.

Connect your VCR to the AUDIO/VIDEO IN jack.
Before connection, turn off the unit and the VCR.

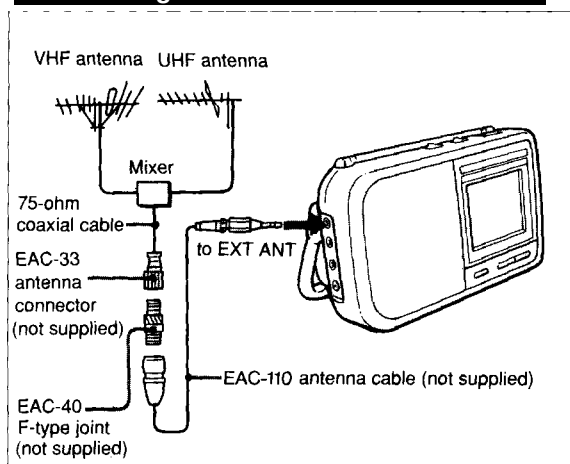
If the picture is distorted or noisy, move the unit away from the VCR.

When watching TV, disconnect the plug from the AUDIO/VIDEO IN jack.

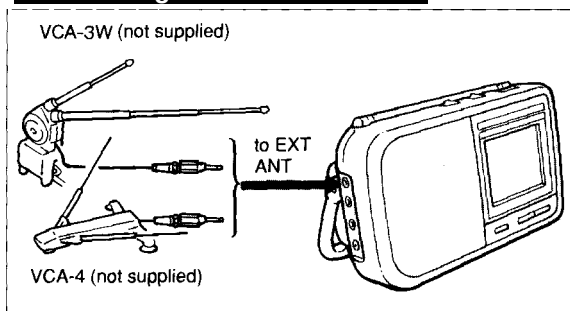


Connecting an External Antenna

Connecting the Outdoor Antenna

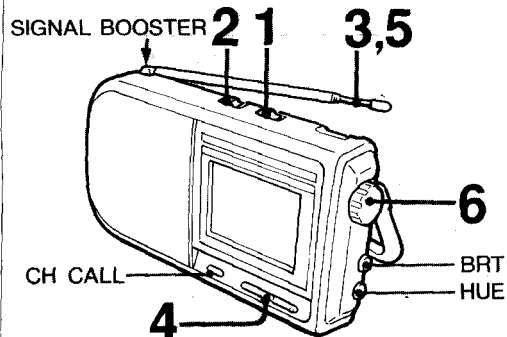


Connecting the Car Antenna



When an external antenna is connected, the SIGNAL BOOSTER switch does not function.

Watching the TV



1 Set the POWER switch to ON.

The unit starts tuning automatically.



2 Select the band, VHF or UHF.



The green line indicates the VHF (2-13) channels.
The red line indicates the UHF (14-69) channels.

3 Pull out the antenna fully.

4 Tune in the desired channel.



5 Adjust the length and direction of the antenna.

For UHF, the receiving may be better with the short antenna.

6 Adjust the volume.



To turn off the TV

Set the POWER switch to OFF, and fold the antenna.

If the channel changes

If the power is momentarily lost because of a mechanical shock, or if the unit has passed through a tunnel, the channel may change. If this happens, tune in the desired channel again with CHANNEL +/-.

For your safety, do not watch the TV nor operate the controls while driving.

Adjusting the Picture

Brightness

for more brightness

=IT

for less brightness

Hue I

skin tones become greenish

skin tones become purplish

To indicate the current channel

Press the CH (channel) CALL button.

The line (green for VHF, red for UHF) appears at the position of the current channel.

To improve the receiving condition

SIGNAL BOOSTER

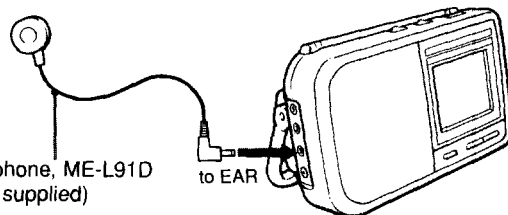
miniMI

) HIGH -- LOW

Set to LOW where the radio wave is strong.

Set to HIGH where the radio wave is weak.

To listen with the earphones

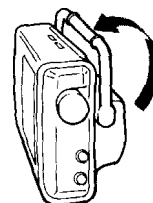
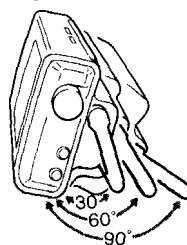


How to Use the Stand

To watch the TV

You can adjust the stand in three angles.

To carry



Specifications

TV standard	American TV standard
Color system	NTSC
Channel coverage	VHP channels 2-13 UHF channels 14-69
Antenna	VHF/UHF telescopic antenna
Display	TN LCD/TFT active matrix method Total picture-element number: 89,505 Effective picture-element ratio: more than 99.99%
Picture size	3-inch picture measured diagonally
Speaker	77 mm (3 inches) dia.
Input	EXT ANT: minijack, impedance 75 ohms AUDIOA/IDEO IN: tripolar minijack, Impedance Audio 47 kilohms/ Video 75 ohms
Output	EAR: minijack, impedance 8-300 ohms
Power requirement	9 V DC, See "Power sources".
Battery life	See "Power sources".
Power consumption	5.8 W (9 V DC)
Dimensions	Approx. 208 x 116.5 x 72.5 mm (w/h/d) (8 1/4 X 4 5/8 X 2 7/8 inches) incl. projecting parts
Weight	Approx. 1.1 kg (2 lb 7oz) incl. batteries.
Supplied accessory	AC power adaptor (1)

Optional Accessories

Alkaline battery	size C (LR 14)
Car battery cord	DCC-E190L
AVcord	AVK-715M
Car antenna	VCA-3W, VCA-4

Design and specifications subject to change without notice.

Troubleshooting

Symptom	Check and Adjust
The unit does not operate (No picture nor sound)	• The polarity of the batteries is incorrect. • The batteries are exhausted. • The AC power adaptor is not firmly connected. • Battery operation is attempted while the AC power adaptor or car battery cord is still connected to the DC IN 9 V jack.
Sound is heard, but there is no picture. The picture disappears soon after the power is turned on.	• The batteries are exhausted.
No color	• The program is not in color.
Snow and noise only	• The VHF or UHF band is not selected correctly. • The SIGNAL BOOSTER switch is to LOW.
Indistinct picture, double images	• The channel is not tuned in accurately. • Adjust the antenna.
Dotted lines or stripes	• Often caused by interference from neon signs, hair dryers, etc. Move the unit to another spot.

Notes on the built-in small fluorescent lamp

When the picture becomes dim or goes out soon after you turn on the unit installed with new batteries, the built-in small fluorescent lamp (used in the internal lighting unit) has to be replaced with new one.

When replacing, consult the nearest Sony dealer.

- The life of the lamp is about 2 years when you use the unit two hours a day.
- When the batteries are run down, the lamp goes out.
- If the unit is used in a cold place, the lamp may become dim. But as the temperature of the lamp goes up, it will be as bright as in a normal condition.