

## 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.
- 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.
- If you bring the unit directly from a cold place to a warm place, moisture may condense inside the unit. In this case, turn off the unit and wait until the moisture evaporates.

### 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 820-22 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.

## Troubleshooting

The unit does not operate. (No picture nor sound)	<ul style="list-style-type: none"> <li>The polarity of the batteries is incorrect.</li> <li>The batteries are exhausted.</li> <li>The AC power adaptor is not firmly connected.</li> <li>Battery operation is attempted while the AC power adaptor or car battery cord is still connected to the DC IN 9 V jack.</li> </ul>
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	<ul style="list-style-type: none"> <li>Set the SIGNAL BOOSTER switch to HIGH.</li> <li>The VHF or UHF band is not selected correctly.</li> </ul>
Instinctive picture, double images	<ul style="list-style-type: none"> <li>The channel is not tuned in accurately.</li> <li>Adjust the antenna.</li> </ul>
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, contact 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.

SONY

3-783-114-01 (1)

LCD Color TV-FM Stereo/AM Receiver

**FDL-380**

## 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-380 Serial No. \_\_\_\_\_

## Features

- The LCD (Liquid Crystal Display) provides clear pictures and natural (flesh) color tones.
- It is used as an AV (audio/video) monitor.
- The signal booster amplifies the VHF/UHF band waves and improves receiving.
- It has a powerful sound output of 500mW.
- The voltage synthesizer tuning system allows easy tuning.
- You can make the unit turn off automatically in about 60 minutes with the sleep timer.
- An angle-adjustable stand is provided.

## Specifications

TV standard	American TV standard	Optional Accessories	
Color system	NTSC	Alkaline battery	size C (LR 14)
Channel coverage	VHF channels 2-13 UHF channel 14-69	AV cord	AVK-715M
Radio frequency range	FM: 87.6 - 108 MHz (Stereo) AM: 530 - 1,710 kHz (Mono)	Car antenna	VCA-3W, VCA-4
Antenna	VHF/UHF/FM: telescopic antenna AM: built-in ferrite bar antenna	Headphones	MDR-34
Display	TN LCD/7FT active matrix method Total picture-element number: 89,505 Effective picture-element ratio: more than 99.99%	Design and specifications subject to change without notice.	
Picture size	3-inch picture measured diagonally		
Speaker	77 mm (3 inches) dia. TV EXT ANT: minijack, impedance 75 ohms (for TV only) AUDIO/VIDEO IN: trippole minijack, impedance Audio 47 kilohms/Video 75 ohms		
Output	PHONES: stereo 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" x 4 1/2" x 2 7/8 inches) incl. projecting parts		
Weight	Approx. 1.1 kg (2 lb 7oz) incl. batteries.		

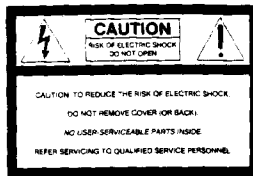
### Supplied accessory

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.
- 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.

## Using as a Monitor

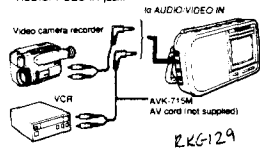
You can use the unit as a color monitor for your VCR or video camera recorder.

### Preparation

- 1 Turn off the unit and the VCR.
- 2 Connect the VCR to the AUDIO/VIDEO IN jack.
- 3 Turn on the VCR.
- 4 Set the FUNCTION selector to TV.

### Note

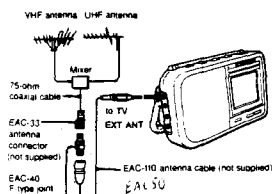
- If the picture is distorted or noisy, move the unit away from the VCR.
- When watching TV, disconnect the plug from the AUDIO/VIDEO IN jack.



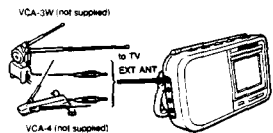
## Connecting an External Antenna

TV Receiving will improve.

### Connecting the Outdoor Antenna



### Connecting the Car Antenna



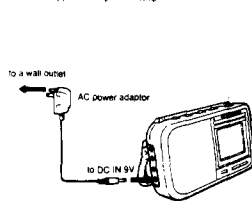
### Note

- When an external antenna is connected, the SIGNAL BOOSTER switch does not function.
- Receive the FM through the telescopic antenna of the unit. The TV EXT ANT jack and the SIGNAL BOOSTER switch are operative only for the TV receiving.

## Power Sources

### Using on House Current (120V AC)

Use the supplied AC power adaptor.



### Note

- Use only the supplied AC power adaptor. Do not use any other AC power adaptor.



- 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.



#### 4 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. When you are listening to the radio, the sound may be distorted. When you are listening to an FM stereo program in stereo through the headphones, the sound may become monaural.

In this case, replace all the batteries with new ones.

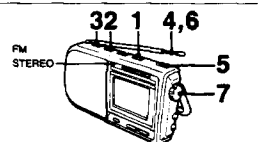
### Battery life

You can use approximately following hours continuously

Battery	TV	Radio
Alkaline	8	60
Manganese	2.5	20

The battery life becomes short in a cold place.

## Listening to the Radio



#### 1 Set the POWER switch to ON.



#### 2 Set the FUNCTION selector to RADIO.



#### 3 Select the band, AM or FM



#### 4 Pull out the antenna fully for FM reception.

#### 5 Tune in the desired station.

When the unit receives an FM stereo program, the FM STEREO indicator lights up.



#### 6 For FM reception, adjust the length and direction of the antenna.

For AM reception, rotate the unit.

#### 7 Adjust the volume.



To turn off the radio

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

## Using the Sleep Timer

While watching the TV or listening to the radio, set the POWER switch to SLEEP. The unit turns off automatically about one hour later.



To turn on the unit after the unit is turned off by the sleep timer

First set the POWER switch to OFF, then set it to ON.

To set the sleep timer again

First set the POWER switch to OFF, then set it to SLEEP.

### How to Use the Stand

To operate

You can adjust the stand in three angles.

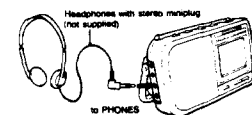


To carry

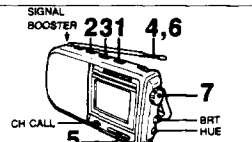


To listen with the headphones

To listen to the FM stereo programs in stereo, use the headphones with the stereo mixing.



## Watching the TV



#### 1 Set the POWER switch to ON.



#### 2 Set the FUNCTION selector to TV.



#### 3 Select the band, VHF or UHF.



#### 4 Pull out the antenna fully.

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



#### 5 Tune in the desired channel.



#### 6 Adjust the length and direction of the antenna.

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



#### 7 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 had 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

Hue



for less brightness

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 (for TV only)

SIGNAL BOOSTER



Set to LOW where the radio wave is strong

Set to HIGH where the radio wave is weak.

The SIGNAL BOOSTER switch is operative only for the VHF/UHF received by the telescopic antenna.