

Do not open the casing. Refer servicing to qualified personnel only.

Operate the unit only on 5 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 optional SONY DCC-127A car battery cord. 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 benzene, as they may damage the finish.

- 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.

- 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.

Symptom	Check and Adjust
The unit does not operate (No picture nor sound)	<ul style="list-style-type: none"> • The polarity of the batteries is incorrect • 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 6 V jack. • The batteries are exhausted
No color	<ul style="list-style-type: none"> • Program is not color
Snow and noise only	<ul style="list-style-type: none"> • The VHF or UHF band is not selected correctly
Indistinct picture, double images	<ul style="list-style-type: none"> • The channel is not tuned in accurately. • Adjust the antenna.
Dotted lines or stripes	<ul style="list-style-type: none"> • Often caused by interference from neon signs, hair dryers, etc. Move the unit to another spot.

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. On replacing, consult the nearest Sony dealer.

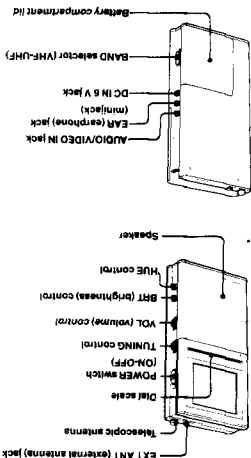
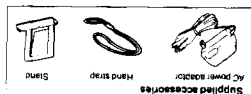
- The life of the lamp is about 2 years when you use the unit an hour a day.
- When the batteries are run down, the lamp goes out.
- If the unit is used in a cold place, the lamp may become dim. But as the temperature of the lamp goes up, it will be as bright as in a normal condition.

The model number is located at the front and rear and the serial number at the rear. 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-310 Serial No.

- LCD (Liquid Crystal Display) provides clear picture and natural facial color tone.
- Used as an AV (audio/video) monitor.

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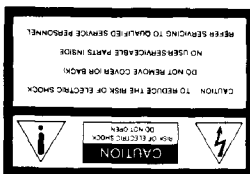


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INFORMATION

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

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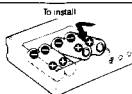
Power Sources

Batteries

- 1 Remove the stand if it is attached to the unit.
- 2 Remove the battery compartment lid.
- 3 Place four size AA (R6) batteries with correct polarities.
- 4 Reinstall the lid.

Rechargeable Batteries

Before installing the rechargeable batteries supplied with Sony BC-310K battery charger kit, charge them for approx. 2 hours with the charger. For details, see the instruction manual of the BC-310K.



Battery replacement

When the batteries become weak, the picture disappears. In this case, replace all the batteries with new ones.

Notes

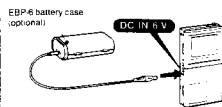
- The unit cannot be operated on the internal batteries when the AC power adaptor, battery case or car battery cord is connected to the unit.
- When the unit is not to be used for a long period of time or is to be operated extensively on other power sources, remove the batteries to avoid unit damage caused by battery leakage and corrosion.

Battery life

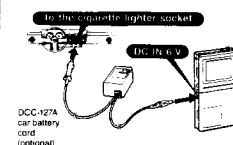
Sony alkaline battery AM3 (N)	Approx. 2 hours
Rechargeable battery BP-310	Approx. 1 hour
Sony alkaline battery AM2 (use with Battery case EBP-6)	Approx. 4 hours

External Battery Case

For extended use, use an optional EBP-6 battery case to operate the unit with four size C (R14) batteries.



Car Battery



Note

Use only an AC power adaptor or car battery cord manufactured by Sony. The polarity of plugs of other manufacturers may be different.

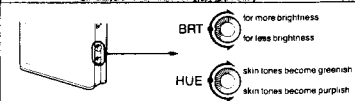


Watching the TV

- 1 Slide the POWER switch to ON.
- 2 Select VHF (channels 2—13) or UHF (channels 14—69).
- 3 Tune in the desired channel.
- 4 Pull out the antenna completely and adjust its length and direction.
- 5 Adjust the Volume.

To turn off the TV, slide the POWER switch to OFF and fold the antenna.

Picture Adjustment



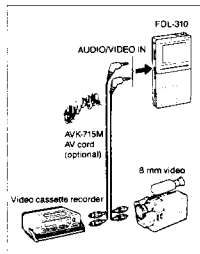
How to Use the AUDIO/VIDEO IN Jack

The unit can be used as a monitor of a portable video cassette recorder, video camera, etc., by connecting the equipment to the AUDIO/VIDEO IN jack.

Before connection, turn off the power of the unit and the equipment. When monitoring the picture, slide the POWER switch to ON.

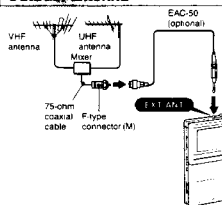
Note

Keep the video cassette recorder away from the unit, if the display or sound is affected.

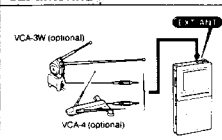


External Antenna Connections

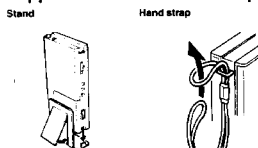
Outdoor antenna



Car antenna



Supplied Stand and Hand Strap



Specifications

TV standard	American TV standard
Color system	NTSC
Channel coverage	VHF channels 2-13 UHF channels 14-69
Antenna	VHF/UHF telescopic antenna
Display	7in LCD TFT active matrix method Total picture element number: 86,400 Effective picture element ratio: more than 99.9%
Picture size	2.7inch picture measured diagonally 28 mm (1.1 inches) dia
Speaker input	EXT ANT: minijack, impedance 75 ohms AUDIO/VIDEO IN: bipolar minijack, impedance Audio 47 k ohms/video 75 ohms
Output	EAR: minijack, impedance 8-300 ohms
Power requirement	6 V DC. See "Power sources"

Battery life	See "Power sources"
Power consumption	3.2 W @ 6 V DC
Dimensions	Approx. 84 x 155 x 29 mm (w/h/d) (3 1/8 x 6 1/8 x 1 1/8 inches) not incl. projecting parts
Weight	Approx. 310 g (10.9 oz) not incl. batteries
Supplied accessories	AC power adaptor (1) Hand strap (1) Stand (1)

Optional Accessories

Car battery cord: OCC-127A AV cord: AVK-715M
Sony new alkaline battery: AM3(N)
Battery case: EBP-6 Car antenna: VCA-3W VCA-4
Rechargeable battery kit: BC-310K
Nickel-cadmium battery pack: BP-310

Design and specifications subject to change without notice.