

FM/AM Cassette Car Stereo

XR-4357

Operating Instructions page 2

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

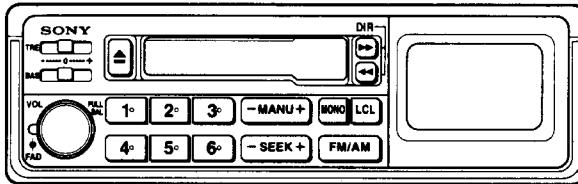
Owner's Record

The model and serial numbers are located on the top of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. XR-4357 Serial No. _____

Mode d'emploi page 16

Avant la mise en service de cet appareil, prière de lire attentivement ce mode d'emploi que l'on conservera pour toute référence ultérieure.



For installation and connections, see the supplied installation/connections manual.

Pour l'installation et les connexions, se reporter au manuel d'installation/connexions.

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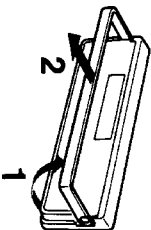
Features

- Tuner section**
- **SSR (Sony Super Interference Rejection)**
 - **PLL Synthesizer Tuner** for precise tuning
 - **Memory preset tuning** allows you to store 6 stations on the AM band and 18 stations on the FM band in memory.
- Cassette deck section**
- The auto-reverse function changes the tape direction automatically.
- Power amplifier section**
- Fader control** for playback with a 4-speaker system.
- General**
- Slide-out security bracket** allows you to take the unit away with you when you leave your car.

Precautions

- If your car was parked in direct sunlight and there was a considerable rise in temperature inside the car, allow the unit to cool off before operating.
 - If no power is being supplied to the unit, check the connections first. If everything is in order, check the fuse.
 - If no sound comes from the speakers of a 2-speaker system, set the fader control to the center position.
- If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

To Remove the Unit



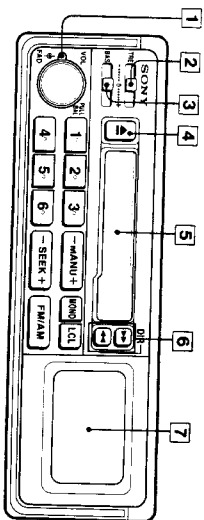
Notes on Cassettes

- Cassette care**
- Avoid touching the tape surface of a cassette, as any dirt or dust may contaminate the head.
 - Keep cassettes away from equipments with magnets such as speakers and amplifiers, as erasure or distortion of the recorded tape could occur.
 - Do not expose cassettes to direct sunlight, extremely cold temperatures or moisture.
- Note on cassettes longer than 90 minutes**
- The use of cassettes longer than 90 minutes is not recommended except for long continuous playback.

To prevent the unit from being stolen

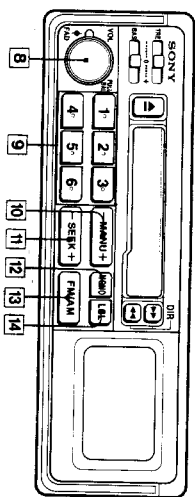
When you leave your car, remove the unit from the bracket and take it away with you. Be sure to turn off the power of the unit before removing the unit. Otherwise you may hear a noise.

Location and Function of Controls



Refer to the pages in ● for details.

- 1 | **FAD (bass) control**
Turn clockwise to decrease the volume of the rear speakers or counterclockwise to decrease the volume of the front speakers.
- 2 | **TRE (treble) control**
- 3 | **BAS (bass) control**
- 4 | **Eject button**
Press to stop the tape and take out the cassette.
- 5 | **Cassette insertion door**
- 6 | **Fast winding/DIR (tape transport direction change) buttons** ●
During playback, depress ● or ● for fast winding, or press both ● and ● simultaneously to listen to the other side of the cassette.
- 7 | **Display window**



- 8 | **Power on/off switch/VOL (volume) control/PULL BAL (balance) control**
Power on/off switch
Turn clockwise to turn on the unit and counterclockwise to turn off.
VOL control
Turn clockwise to increase the volume and counterclockwise to decrease.
PULL BAL control
While pulling the control, turn to adjust the balance of the left and right speakers.
- 9 | **Preset buttons** ●
- 10 | **MANU (manual) button** ●
Press to tune in the desired stations manually.
- 11 | **SEEK button** ●
Press - side to search for lower frequencies and + side for higher frequencies.
- 12 | **MONO (monaural) button** ●
Press to reduce noise during reception of a weak FM stereo program. To listen in stereo, press it again.
- 13 | **FM/AM band select button** ●
Press to select the desired band, FM, FMII, FMIII, or AM.
- 14 | **LCL (local seek) button** ●

Cassette deck operation

Tape Playback



- 1 Turn clockwise to turn the power on.
- 2 Insert a cassette. Playback starts automatically.
- 3 Adjust the volume.

Before turning off the unit:
Be sure to eject the tape to avoid tape damage.

Side of the cassette being played back or fast-wound

Indicator	Side
▶	The side facing upward
◀	The side facing downward

Other Operations

To listen to the other side of the cassette
Press (simultaneously).

To wind the tape rapidly

Direction Indicator	To advance		To rewind	
	Depress		Depress	
▶				
◀	Depress		Depress	

To resume playback, press or lightly, which is not depressed.

To stop playback and listen to the radio

Press The unit enters the radio mode.

To stop playback and turn off the unit

Press and then turn counterclockwise until it clicks.

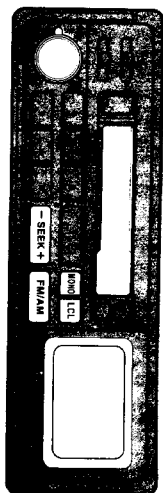
To control the balance of the front and rear speakers in a 4 speaker system





Use the FAD control. Turn clockwise to decrease the volume of the rear speakers. Turn counterclockwise to decrease the volume of the front speakers.

To control the balance of the right and left speakers

Use the PULL BAL control. Pull out the control and turn clockwise to decrease the volume of the left speaker(s), and turn counterclockwise to decrease the volume of the right speaker(s).

Automatic Tuning



- 1**  Turn clockwise to turn the power on.
- 2**  Press to select the desired band, FM I, FM II, FM III, or AM.
- 3**  Press to start scanning.
 -: For lower frequency stations
 +: For higher frequency stations
 The scanning automatically stops when a station is tuned in.
 Repeat this step until the desired station is tuned in.
- 4**  Adjust the volume.

Other Operations

To stop the radio and start tape playback:



To stop the music and turn off the unit:



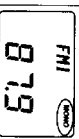
Turn  counterclockwise until 1 click.

When the FM stereo program is too weak and noisy

Press



The noise will be reduced. The sound will be monaural instead.



When an FM stereo program of sufficient signal strength is tuned in

The program is automatically received in stereo.

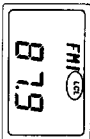


When there are too many stations and the scanning stops too frequently during automatic tuning

Press

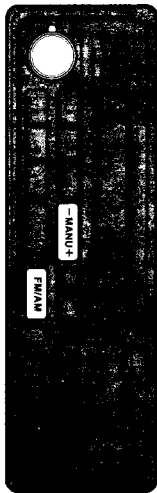






Only the stations with relatively strong signals can be tuned in.



Radio reception Manual Tuning

Use this method when you know the frequency of the desired station, or when the desired station is too weak to be tuned in by the automatic tuning.



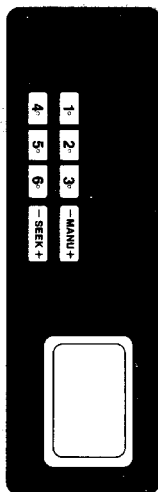
- 1  Turn clockwise to turn the power on.
- 2  Press to select the desired band, FM I, FM II, FM III, or AM.
- 3  Press to select the desired station.
- : For lower frequency stations
+ : For higher frequency stations
To change the frequency rapidly, keep the button pressed.
- 4  Adjust the volume.





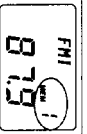
Warning
While driving, keep your eyes on the road and use the automatic tuning or memory preset tuning!

Radio reception Memory Preset Tuning

To Memorize the Stations

The unit can memorize up to 6 stations on the AM band and 18 stations on the FM band (6 stations each on FM I, FM II, and FM III).

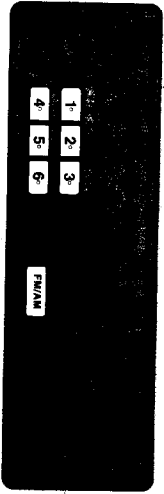


- 1  
or
 Tune in a desired station using the automatic or manual tuning.
 - 2  Keep the desired preset button pressed for more than two seconds until the "MEM" indication will come on.
 The station is memorized.
- Repeat these steps for each station.**

Important
Every preset button has only one memory. For a station to be memorized, the preset button must be pressed when you enter a new station of the same band on the same preset button.

Memory Preset Tuning

To Receive the Preset Station



FM/AM

1 2 3
4 5 6

Press to select the desired band.

1
2

1°

6°

Press the desired preset button lightly.

Note

If you keep pressing the preset button for more than two seconds, the currently received station will be memorized. To receive the previously memorized station, press the preset button lightly.

Maintenance

Fuse Replacement

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In this case, consult your nearest Sony dealer.

Warning

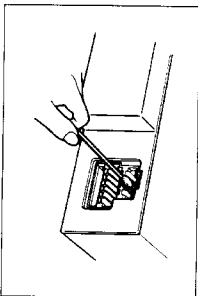
Use the specified amperage fuse for each lead. Use of a higher amperage fuse may cause serious damage.

Cleaning the Head and the Tape Path

Prolonged use may contaminate the tape head and the tape path. Contamination causes sound drop-outs in playback. Clean the tape head and the tape path every two weeks to enjoy optimum hi-fi stereo sound. Use a commercially available cleaning cassette.

Cleaning the Connector

To keep the best possible sound quality, clean the metallic part of the connector at the rear of the unit periodically using a commercially available head cleaning fluid or rubbing alcohol and a cotton swab.



Specifications

Audio Power Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
9 watts per channel minimum continuous average power into 4 ohms, both channels driven, from 30 to 20,000 Hz with no more than 1% total harmonic distortion.

Other Specifications

Power amplifier section

Outputs Speaker outputs (sure seal connectors)
Speaker impedance 8 ohms
Maximum power output 22 W + 22 W (at 4 ohms)*
* Measured at 14.4 V

Cassette player section

Tape track 4-track, 2 channel stereo
Frequency response 30 - 15,000 Hz
Signal-to-noise ratio 55 dB
Wow and flutter 0.15 % (WRMS)

Tuner section

FM Tuning range 87.9 - 107.9 MHz

Antenna terminal External antenna connector
Intermediate frequency 10.7 MHz

Usable sensitivity 13 dBf (75 ohms)

Selectivity 70 dB at 400 kHz
Signal-to-noise ratio 48 dB (stereo), 69 dB (mono)

Harmonic distortion at 1 kHz 0.9 % (stereo), 0.5 % (mono)

Separation 35 dB at 1 kHz

Frequency response 30 - 15,000 Hz

Capture ratio 2 dB

AM

Tuning range 530 - 1,710 KHz

Antenna terminal External antenna connector

Intermediate frequency 450 KHz

Sensitivity 35 μ V

General

Output lead Power antenna relay control lead
Tone controls Bypassed at 100 Hz
Trebles: \pm 8 dB at 10 KHz

Power requirements 12 V DC car battery

Dimensions (negative ground)
Approx. 188 x 57 x 165 mm (width)
178 x 214 x 61/2 inches)
not incl. projecting parts and controls

Mounting dimensions

Approx. 182 x 53 x 145 mm (width)
71/4 x 2 1/8 x 5 3/4 inches)
not incl. projecting parts and controls

Weight Approx. 1.4 kg (3 lb 1 oz)

Accessories supplied Mounting hardware (1 set)

Design and specifications subject to change without notice.