

# SONY

3-752-426-11 (1)

FM/AM Cassette Car Stereo

## XR-6088

### Operating Instructions page 2

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

### Mode d'emploi page 14

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

### Manual de instrucciones página 26

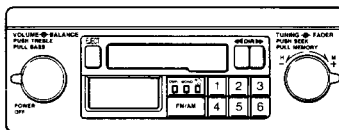
Antes de emplear la unidad, lea cuidadosamente este manual de instrucciones, y guárdelo para futuras referencias.

### Istruzioni per l'uso pagina 38

Prima di usare l'apparecchio, leggere con attenzione questo manuale e conservarlo per riferimenti futuri.

### 使用说明书 第50页

使用本机以前请详读本说明书，并请留存本书以备将来参考之用。



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

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

Con respecto a la instalación y a las conexiones, consulte el manual de instalación/conexiones suministrado.

Per l'installazione e il collegamento, fare riferimento al manuale di istruzioni per l'installazione/collegamento in dotazione.

安装及连接法，请参看附属的安装/连接使用说明书。

Features ..... 2  
 Precautions ..... 3  
 Location and function of controls ..... 4  
**Tape playback** ..... 6  
**Radio reception** ..... 8  
 Automatic tuning ..... 9  
 Manual tuning ..... 10  
 Memory preset tuning ..... 10  
 How to set the clock ..... 12  
 Specifications ..... 13

**Owner's Record**

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

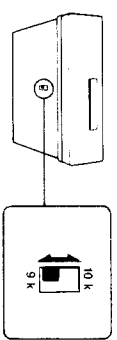
Model No. XR-6288 Serial No. \_\_\_\_\_

- Tuner section**
- SSR (Soy Super Interference Rejection) PLL Synthesizer tuner.
  - The quartz-locked digital synthesizer system permits easy and accurate tuning.
  - Following stations can be preset: —up to 12 FM and 6 AM (at 10 k position)\* —up to 6 FM and 6 AM (at 9 k position)\*
  - The tuning interval is switchable.
- Cassette deck section**
- The auto-reverse function changes the tape direction automatically.
- Power amplifier section**
- Fader control for playback with a 4-speaker system.
  - Maximum power output of 75 watts per channel.
- General**
- The quartz controlled digital clock.

**Note on the FM/AM tuning interval**

The tuning interval selector is set to 9 k at the factory. If you use the unit where the frequency allocation is based on another tuning interval, change the interval before making connections using the tuning interval selector on the bottom.

Select position	Tuning interval	Bands	Preset stations
9 k	FM: 50 KHz AM: 9 KHz	FM 1 and AM	Up to 6 FM and 6 AM
10 k	FM: 200 KHz AM: 10 KHz	FM 1, FM 2 and AM	Up to 12 FM and 6 AM



Use a pointed object to change the selector.

When you change the tuning interval, the number of bands and preset stations change as the table shows.

- 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.
- Protection circuit**
- The built-in power amplifier employs a protection circuit to protect the speakers if the amplifier malfunctions. When a protection circuit activates, there will be an abrupt loss of sound from the speakers. Particularly, when a speaker with a low input impedance (less than 4 ohms) is connected to the unit, the sound will be discontinued. This, however, is not a problem. If this happens, turn the volume down a little.
- This unit will automatically reverse the direction of the tape when it senses an entangled tape. If during playback the player should reverse the direction a number of times, the tape should be considerably damaged. In this case, remove the cassette.
  - The use of cassettes longer than 90 minutes is not recommended.
  - Be sure not to leave cassettes inside your car with the windows closed. Direct sunlight or extremely high temperature will warp cassette shells and cause the tape to stretch.
  - Avoid touching the tape surface, as any dirt or dust on the tape will contaminate the heads of the player.
  - Store the cassettes in their cases when not in use.
- If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

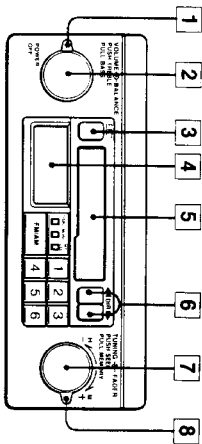
**INFORMATION**

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:

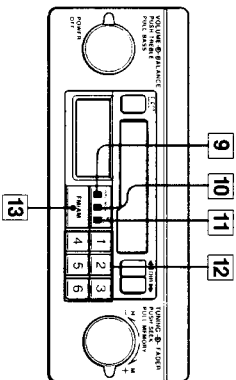
- Reorient the receiving antenna.
  - Relocate the equipment with respect to the receiver.
  - Move the equipment away from the receiver.
  - Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.
- If necessary, the user should consult the dealer or an experienced radiotelevision 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 20540; Stock No. 9094-000-00034-5-4.

# Location and Function of Controls

Refer to the page in ● for details.



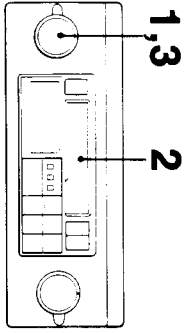
- 1 **BALANCE control**  
Turn to adjust the balance of the left and right channel outputs.
- 2 **POWER OFF (power on) switch/VOLUME/PUSH TREBLE/PULL BASS control**  
POWER ON/OFF switch  
VOLUME control  
TREBLE control  
BASS control  
Turn clockwise to turn on the unit and then for more volume.  
Press and turn to adjust treble.  
Pull and turn to adjust bass.
- 3 **EJECT button**  
Press to stop the tape and take out the cassette.
- 4 **Display window**
- 5 **Cassette insertion door**
- 6 **◀/▶ (fast winding) buttons/DIR (tape transport direction) change buttons**  
During playback, depress ▶ or ▶▶ for fast winding and press both ◀◀ and ▶▶ simultaneously to listen to the other side of the cassette.
- 7 **TUNING knob/PUSH SEEK knob/PULL MEMORY knob**  
TUNING knob  
Press for automatic tuning.  
MEMORY knob  
Pull to memorize the frequency of the station being received.  
Use this knob also for clock setting ●
- 8 **FADER control**  
Turn clockwise to decrease the volume of the front speakers or counterclockwise to decrease the volume of the rear speakers.


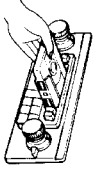



- 9 **DSP/L (display) button**  
Press to display the time indication during radio reception.
- 10 **MONO (monaural) button**  
Press to reduce noise during reception of a weak FM stereo program. To restore to stereo, press it again.
- 11 **MTL/LCL (metal/local) button**  
Operation mode  
Tape playback  
Radio reception  
How to use  
Press when listening to C/D; (TYPE II) or metal (TYPE IV) tapes. When listening to normal (TYPE I) tapes, press it again.  
Press to eliminate interference from adjacent stations during reception of a comparatively strong station. To go back to the normal receiving sensitivity, press it again.
- 12 **Preset number buttons**
- 13 **FM/AM (band select) button**  
Press to select a desired band.  
— FM 1, FM 2 or AM (at 10 K position)  
— FM 1 or AM (at 9 K position)


# Tape Playback

Before inserting a cassette, take up any slack in the tape with a thick pencil.




- 1** Turn clockwise to turn the power on.  

- 2** Insert a cassette.  
Playback starts automatically.  

- 3** Adjust the volume.  


**Direction indicator**


**10:05** 

The side facing up is being played back

**10:05** 

The side facing down is being played back.

**To listen to the CO2 (TYPE II) or metal (TYPE IV) tapes**  
Press **MT/CL**.

**10:05** 

Press again to disengage

**To listen to the other side of the cassette**

Press **◀▶** and **▶▶** simultaneously

**To wind the tape rapidly**

**To advance** Depress **▶▶**  
Depress **◀◀**

**To rewind** Depress **◀◀**  
Depress **▶▶**

**To resume playback, press ▶▶ or ◀◀ lightly, which is not depressed**

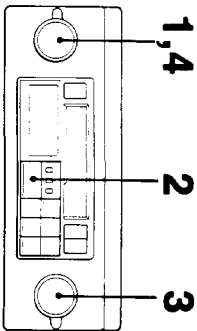
**To stop playback and listen to the radio**





Press **EJECT**. The unit enters the radio mode.

**To stop playback and turn off the unit**

Press **EJECT** and turn the volume counterclockwise until it clicks.

## Automatic Tuning

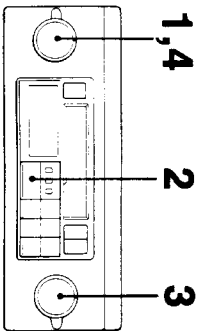






- 1** Turn clockwise to turn the power on.  

- 2** Press to select the desired band.  
**FM (1 or 2) or AM (at 10 k position),  
 FM 1 or AM (at 9 k position).**  
 Each time the button is pressed, the corresponding indicator appears in the display window.  

- 3** Press **PUSH SEEK**.  
 Stations will be scanned automatically and scanning will stop when a station is tuned in. Repeat pressing the **PUSH SEEK** until the desired stations is tuned in.  

- 4** Adjust the volume.  


**When an FM stereo program of sufficient signal strength is tuned in**  
 **104.3**  
 The ST indicator appears.

**To play back during radio reception**  
 Insert a cassette. The radio is turned off and playback will begin automatically.

## Manual Tuning



- 1** Turn clockwise to turn the power on.  

- 2** Press to select the desired band.  
**FM (1 or 2) or AM (at 10 k position),  
 FM 1 or AM (at 9 k position).**  
 Each time the button is pressed, the corresponding indicator appears.  

- 3** Turn to tune in the desired station.  
  
 For lower frequency  
 For higher frequency
- 4** Adjust the volume.  


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

**To display the time indication during radio reception**  
 Press DSP1.  
 **10:05**

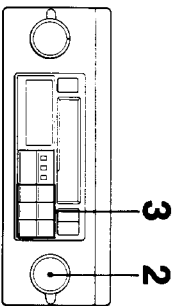
To restore the frequency indication, press it again.

# Memory Preset Tuning

## To Memorize Station Frequency

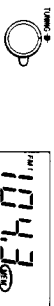
You can memorize the following number of stations, one on each preset number button in any order:

- a total of 18 stations (6 stations for each FM 1, FM 2 and AM) at 10 k position.
- a total of 12 stations (6 stations for each FM 1 and AM) at 9 k position.



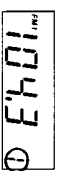
**1** Tune in a desired station using automatic or manual tuning.

**2** Pull out **PULL MEMORY**.



The MEM indicator appears.

**3** Press the desired preset number button while the MEM indicator is displayed.

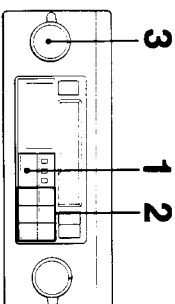


The displayed frequency is memorized on the preset number button you have pressed.

Repeat steps 1 to 3 to preset all the desired stations.

10

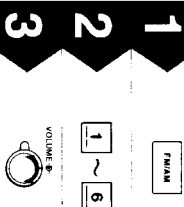
## To Tune in the Preset Station



Press to select the desired band.

Press the desired preset number button.

Adjust the volume.



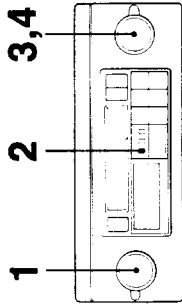
### Notes on memorizing

- The previously memorized station will be erased when you enter a new station of the same band on the same number preset button.

- The MEM indication appears for about 5 seconds if it disappears before you press the preset number button, pull out **PULL MEMORY** again.

11

## How to Set the Clock



**1** Turn clockwise to turn the power on.

**2** Press to display the time digits.

**3** Turn to **H** while pulling out TUNING.  
Set the hour digits.

**4** Turn to **M** while pulling out TUNING.  
Set the minute digits.

The digits are advanced in sequence. To advance them rapidly, keep TUNING turned while pulling it out.

**When you set minute digits**  
"00" comes after "59". The hour digits do not change then.

## Specifications

### AUDIO POWER SPECIFICATIONS

**POWER OUTPUT AND TOTAL HARMONIC DISTORTION**  
4 watts per channel minimum continuous average power into 4 ohms, both channels driven, from 150 to 20,000 Hz with no more than 1.5% total harmonic distortion.

### Other Specifications

#### Power amplifier section

Outputs Speaker outputs (sure seal connectors)  
Speaker impedance 8 ohms  
Maximum power output 75W + 75W (at 4 ohms)\*  
\*Measured at 14.5 V

#### Cassette player section

tape track 1-track, 2-channel stereo  
Frequency response 40 - 15,000 Hz  
Signal-to-noise ratio 55 dB with TYPE I cassettes  
Wow and flutter 0.1% (WRMS)

#### Tuner section

**FM**  
FM tuning interval 50 kHz/250 kHz switchable  
Tuning range 87.5 - 108 MHz (9-A position), 87.5 - 108 MHz (9-A position),  
Antenna terminal External antenna connector/  
Intermediate frequency Power antenna relay control lead  
Usable sensitivity 10.7 MHz

Selectivity 13 dB (75 ohms)  
Signal-to-noise ratio 70 dB at 400 kHz  
Harmonic distortion at 1 kHz 68 dB (monaural)  
Separation 0.9% (stereo), 0.5% (monaural)  
Frequency response 35 dB at 1 kHz  
Capture ratio -15,000 Hz ( $\pm 3$  dB)  
20 dB

#### AM

AM tuning interval 9 kHz/10 kHz switchable  
Tuning range 530 - 1600 kHz (6 position), 530 - 1601 kHz (6-A position),  
Antenna terminal External antenna connector/  
Power antenna relay control lead  
Intermediate frequency 450 kHz  
Sensitivity 32  $\mu$ V

#### General

Time display system 2 hour display  
Output lead Power antenna relay control lead  
Output connector Ground wire terminal  
Tone controls Bass:  $\pm 8$  dB at 100 Hz  
Trebble:  $\pm 8$  dB at 10 kHz  
Power requirements 12 V DC car battery (negative ground)  
Mounting dimensions Approx. 178 x 50 x 125 mm (width)  
Weight Approx. 1.3 kg (2 lb 14 oz)  
Accessories supplied Mounting hardware (1 set)  
Design and specifications subject to change without notice.