SHARP

MICRO COMPONENT SYSTEM

MODEL

XL-MP100H

OPERATION MANUAL

Thank you for purchasing this SHARP product.
To obtain the best performance from this product, please read this manual carefully. It will guide you in operating your SHARP product.

XL-MP100H Micro Component System consisting of XL-MP100H (main unit) and CP-MP100H (speaker system).

SAVING ENERGY
STAND-BY POWER CONSUMPTION 0.6w

COMPACT
disc
DIGITAL AUDIO

R·D·S

MP3

CD-R/RW
Playable

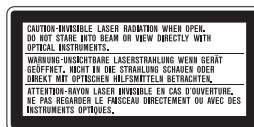03/8/20   XL-MP100H(A)_FRONT.fm   TINSEA014SJZZ
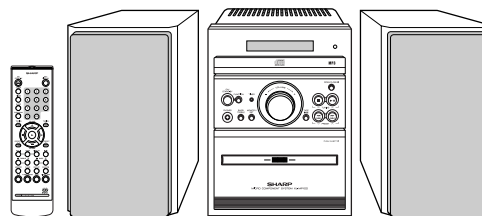
Special notes

WARNINGS
- When the ON/STAND-BY button is set at STAND-BY position, mains voltage is still present inside the unit. When the ON/STAND-BY button is set at STAND-BY position, the unit may be brought into operation by the timer mode or remote control.
- This unit contains no user serviceable parts. Never remove covers unless qualified to do so. This unit contains dangerous voltages, always remove mains plug from the socket before any service operation and when not in use for a long period.
- To prevent fire or shock hazard, do not expose this appliance to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.

CAUTION
- This product is classified as a CLASS 1 LASER product.
- Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN.
DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH
OPTICAL INSTRUMENTS.

WARNUNG-UNSICHTBARE LASERSTRAHLUNG WENN GERÄT
GEÖFFNET. NICHT IN DIE STRAHLUNG SCHAUEN ODER
DIREKT MIT OPTISCHEN HILFSMITTELN BETRACHTEN.

ATTENTION-RAYON LASER INVISIBLE EN CAS D'OUVERTURE.
NE PAS REGARDER LE FAISCEAU DIRECTEMENT OU AVEC DES
INSTRUMENTS OPTIQUES.

Laser Diode Properties
Material: GaAIAs
Wavelength: 780 nm
Emission Duration: continuous
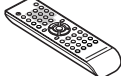Laser Output: max. 0.6 mW

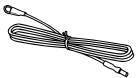**Note for users in Australia:**
Copyright may exist in material you wish to record. Copying or broadcasting such material without permission of the relevant licensees or owners of the copyright is prohibited by law. SHARP is not in a position to authorise the copying or broadcasting of copyright materials and nothing in this OPERATION MANUAL should be implied as giving that authority.

For other countries:
Audio-visual material may consist of copyrighted works which must not be recorded without the authority of the owner of the copyright. Please refer to the relevant laws in your country.

04/1/28   XL-MP100H(A)1.fm   TINSEA014SJZZ

Accessories

Please confirm that the following accessories are included.

AC power lead × **1**	Remote control × **1**
"AA" size battery (UM/SUM-3, R6, HP-7 or similar) × **2**	AM loop aerial × **1**
FM aerial × **1**	Speaker wire × **2**

Note:
Only the above accessories are included.

Contents

XL-MP100H

1

About "Using the Radio Data System (RDS)":
The RDS function does not work in Australia and New Zealand.

General Information

3

Precautions

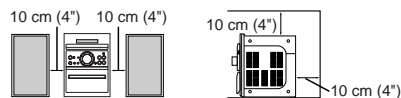**General Information**

■ General

● Please ensure that the equipment is positioned in a well ventilated area and ensure that there is at least 10 cm (4") of free space along the sides, top and back of the equipment.

10 cm (4") 10 cm (4")

10 cm (4")

10 cm (4")

● Use the unit on a firm, level surface free from vibration.

● Keep the unit away from direct sunlight, strong magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generate electrical noise.

● Do not place anything on top of the unit.
● Do not expose the unit to moisture, to temperatures higher than 60°C (140°F) or to extremely low temperatures.
● If your system does not work properly, disconnect the AC power lead from the wall socket. Plug the AC power lead back in, and then turn on your system.
● In case of an electrical storm, unplug the unit for safety.

● Hold the AC power plug by the head when removing it from the wall socket, as pulling the lead can damage internal wires.

● **Do not remove the outer cover, as this may result in electric shock. Refer internal service to your local SHARP service facility.**

● The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.

● No naked flame sources, such as lighted candles, should be placed on the apparatus.
● Attention should be drawn to the environmental aspects of battery disposal.
● This unit should only be used within the range of 5°C - 35°C (41°F - 95°F).

Warning:
The voltage used must be the same as that specified on this unit. Using this product with a higher voltage other than that which is specified is dangerous and may result in a fire or other type of accident causing damage. SHARP will not be held responsible for any damage resulting from use of this unit with a voltage other than that which is specified.

■ Volume control

The sound level at a given volume setting depends on speaker efficiency, location, and various other factors. It is advisable to avoid exposure to high volume levels. Do not turn the volume on to full at switch on and listen to music at moderate levels.

4

Controls and indicators

About "Using the Radio Data System (RDS)":
The RDS function does not work in Australia and New Zealand.

General Information

5

Controls and indicators (continued)

General Information

6

1. Tweeter
2. Woofer
3. Speaker Terminals
4. Bass Reflex Duct

Remote control
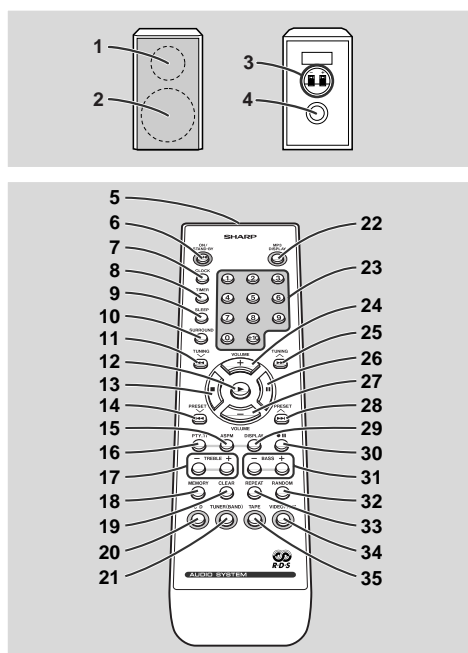
■ **Battery installation**

1 **Remove the battery cover.**
2 **Insert the supplied batteries according to the direction indicated in the battery compartment.**
When inserting or removing the batteries, push them towards the ⊖ battery terminals.
3 **Replace the cover.**
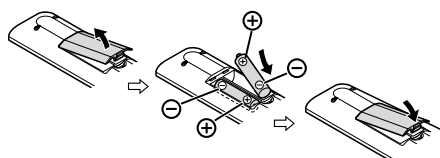
Precautions for battery use:
● Replace all old batteries with new ones at the same time.
● Do not mix old and new batteries.
● Remove the batteries if the unit is not to be used for long periods of time. This will prevent potential damage due to battery leakage.

Caution:
● Do not use rechargeable batteries (nickel-cadmium battery, etc.).
● Installing the batteries incorrectly may cause the unit to malfunction.

Notes concerning use:
● Replace the batteries if the operating distance is reduced or if the operation becomes erratic. Purchase 2 "AA" size batteries (UM/SUM-3, R6, HP-7 or similar).
● Periodically clean the transmitter on the remote control and the sensor on the unit with a soft cloth.
● Exposing the sensor on the unit to strong light may interfere with operation. Change the lighting or the direction of the unit.
● Keep the remote control away from moisture, heat, shock, and vibrations.

■ **Test of the remote control**
Check the remote control after checking all the connections (see pages 8 - 9).
Point the remote control directly at the remote sensor on the unit.

The remote control can be used within the range shown below:
Press the ON/STAND-BY button. Does the power turn on? Now, you can enjoy music.
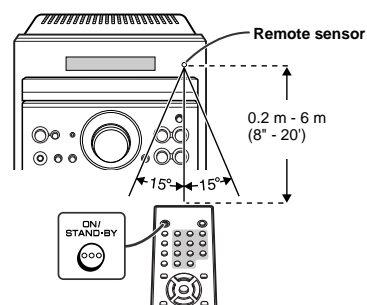
Remote sensor

0.2 m - 6 m
(8" - 20')

15° 15°

ON/STAND·BY

Preparation for Use

2

7

Preparation for Use

AM loop aerial **FM aerial**

Right speaker **Left speaker**

Right speaker **Left speaker**

LEFT +

RIGHT +

RATED SPEAKER IMPEDANCE :
6 OHMS MIN.

⟹ Red
━ Black
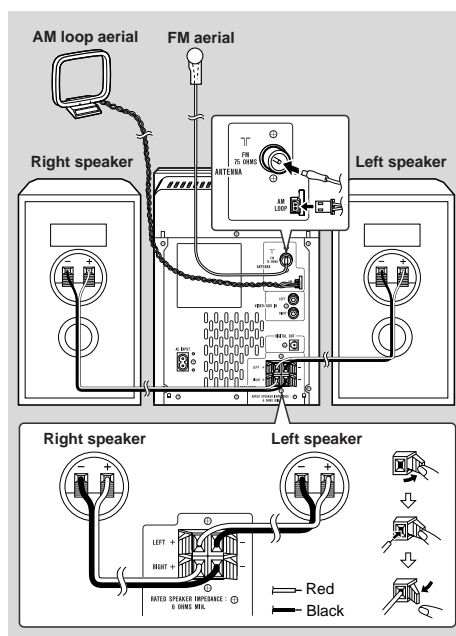
■ **Aerial connection**

Supplied FM aerial:
Connect the FM aerial wire to the FM 75 OHMS socket and position the FM aerial wire in the direction where the strongest signal can be received.

Supplied AM loop aerial:
Connect the AM loop aerial to the AM LOOP socket. Position the AM loop aerial for optimum reception. Place the AM loop aerial on a shelf, etc., or attach it to a stand or a wall with screws (not supplied).

Note:
Placing the aerial on the unit or near the AC power lead may cause noise pickup. Place the aerial away from the unit for better reception.

Installing the AM loop aerial:
< Assembling > < Attaching to the wall >

Wall Screws (not supplied)
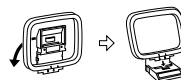
External FM aerial:
Use an external FM aerial if you require better reception. Consult your dealer.

External FM aerial

8
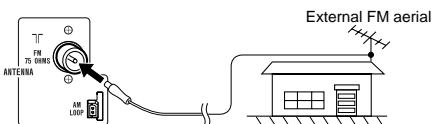
■ Speaker connection

Connect the black wire to the minus (-) terminal, and the red wire to the plus (+) terminal.

Caution:
- **Connect the speaker wires to the speakers first, then to the unit.**
- Use speakers with an impedance of 6 ohms or more, as lower impedance speakers can damage the unit.
- Do not mistake the right and the left channels. The right speaker is the one on the right side when you face the unit.
- Do not stand or sit on the speakers. You may be injured.
- Do not allow any objects to fall into or to be placed in the bass reflex ducts.
- **Do not let the bare speaker wires touch each other.**
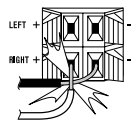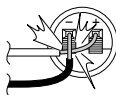
Incorrect   **Incorrect**

Placing the speaker system:
There is no distinction between the right and the left speakers.

Speaker grilles are removable:
Make sure nothing comes into contact with the speaker diaphragm when you remove the speaker grilles.
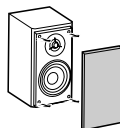
■ Connecting the AC power lead

After checking all the connections have been made correctly, connect the AC power lead to the AC power input socket, then plug the AC power lead of this unit into the wall socket.

**Wall socket
(AC 230 - 240 V, 50 Hz)**
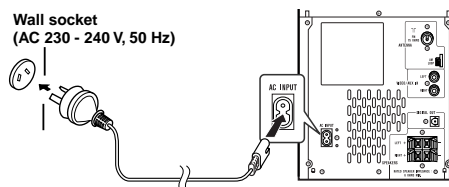
Notes:
- Unplug the AC power lead from the wall socket if the unit will not be in use for a prolonged period of time.
- Never use a power lead other than the one supplied. Otherwise, a malfunction or an accident may occur.

■ To turn the power on

Press the ON/STAND-BY button to turn the power on.

After use:

Press the ON/STAND-BY button to enter the power stand-by mode.

Sound control
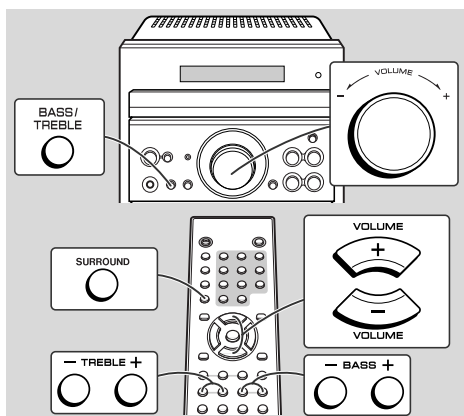
■ Adjusting the volume
Main unit operation:
When the VOLUME control is turned clockwise, the volume will increase. When it is turned anti-clockwise, the volume will decrease.

Remote control operation:
Press the VOLUME (+ or -) button to increase or decrease the volume.

$$VOL \quad 10 \longleftarrow MIN \leftrightarrow 1 \leftrightarrow 2 \cdots 29 \leftrightarrow MAX$$

■ Adjusting the bass
Main unit operation:
1 Press the BASS/TREBLE button to select "BASS".
2 Within 5 seconds, turn the VOLUME control to adjust the bass.

Remote control operation:
Press the BASS (+ or -) button to adjust the bass.

$$BASS \quad +2 \longleftarrow -3 \leftarrow \cdots \rightarrow 0 \leftarrow \cdots \rightarrow +4$$

■ Adjusting the treble
Main unit operation:
1 Press the BASS/TREBLE button to select "TREB".
2 Within 5 seconds, turn the VOLUME control to adjust the treble.

Remote control operation:
Press the TREBLE (+ or -) button to adjust the treble.

$$TREB \quad +2 \longleftarrow -3 \leftarrow \cdots \rightarrow 0 \leftarrow \cdots \rightarrow +4$$

■ Setting the surround
Press the SURROUND button to allow you to enjoy music that seems to surround you. "SURROUND" will appear.
To cancel the surround mode, press the SURROUND button again.

$$\blacktriangleright \quad 1 \quad 0{:}03 \quad \text{SURROUND} \longleftarrow \boxed{\text{SURROUND}}$$

Note:
The surround effect cannot be obtained from monaural sound signals.

Basic Operation

10

Setting the clock

XL-MP100H
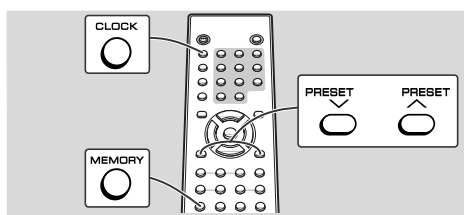
This may be operated only with the remote control.
In this example, the clock is set for the 24-hour (0:00) display.

1 **Press the CLOCK button and within 7 seconds, press the MEMORY button.**
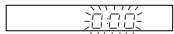
2 **Press the PRESET (∨ or ∧) button to select 24-hour or 12-hour display and then press the MEMORY button.**
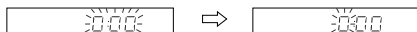
"0:00" → The 24-hour display will appear.
(0:00 - 23:59)

"AM 12:00" → The 12-hour display will appear.
(AM 12:00 - PM 11:59)

3 **Press the PRESET (∨ or ∧) button to adjust the hour and then press the MEMORY button.**
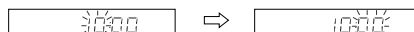
- Press the PRESET (∨ or ∧) button once to advance the time by 1 hour. Hold it down to advance continuously.
- When the 12-hour display is selected, "AM" will change automatically to "PM".

4 **Press the PRESET (∨ or ∧) button to adjust the minutes and then press the MEMORY button.**
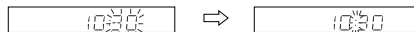
- Press the PRESET (∨ or ∧) button once to advance the time by 1 minute. Hold it down to advance continuously.
- The hour will not advance even if minutes advance from "59" to "00".

To confirm the time display:
Press the CLOCK button.
The time display will appear for about 7 seconds.

Note:
The time will flash at the push of the CLOCK button when the AC power supply is restored after a power failure or unplugging the unit. Readjust the clock as follows.

To readjust the clock:
Perform "Setting the clock" from the beginning. If the "0:00" is not flashing in step 1, step 2 (for selecting the 24-hour or 12-hour display) will be skipped.

To change the 24-hour or 12-hour display:
1   Clear all the programmed contents. [Refer to "Clearing all the memory (reset)" on page 33 for details.]
2   Perform "Setting the clock" from the beginning.

Basic Operation

3

11

Listening to a CD or MP3 disc

This system can also play audio CD-R and CD-RW discs, but cannot record.
Some audio CD-R and CD-RW discs may not be playable due to the state of the disc or the equipment used for recording.

MP3 is a form of compression. It is an acronym which stands for MPEG Audio Layer 3.

MP3 is a type of audio code which is processed by significant compression from the original audio source with very little loss in sound quality.

Notes:
- Due to the structure of its disc information, it takes longer to read an MP3 disc than a normal CD.
- "MP3" indicator will light up if an MP3 disc is initialised.
- This system supports MPEG 1 Layer 3, MPEG 2 Layer 3, and VBR files.
- During VBR file playback, time counter in the display may differ from its actual playback time.
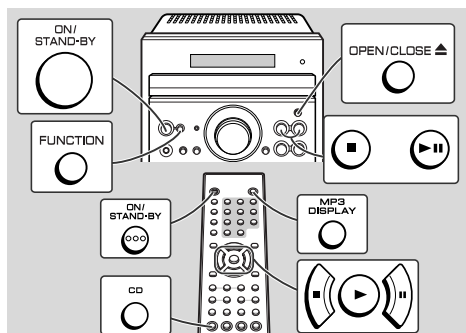
1	**Press the ON/STAND-BY button to turn the power on.**

2	**Press the FUNCTION button until "CD" appears on the display.**

When operating with the remote control, press the CD button.

3	**Press the OPEN/CLOSE ⏏ button to open the disc tray.**

4	**Place the disc on the disc tray, label side up.**

12 cm (5")   8 cm (3")

Be sure to place 8 cm (3") discs in the middle of the disc positions.

5	**Press the OPEN/CLOSE ⏏ button to close the disc tray.**

[CD]

_16 47:38_

Total number of tracks   Total playing time

[MP3]   MP3 disc indicator

_16 MP3_

Total number of tracks

6	**Press the ▶Ⅱ (▶) button to start playback from track 1.**

Disc play indicator

▶ MP3   _1   0:03_

When the last track on the disc has finished playing, the unit will stop automatically.

12

04/1/28   XL-MP100H(A)1.fm   TINSEA014SJZZ

To interrupt playback:
Main unit operation:
Press the ►II button.
To resume playback from the same point, press the ►II button again.
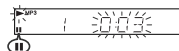
Remote control operation:
Press the II button.
To resume playback from the same point, press the ► button.

To stop playback:
Press the ■ button.

To remove the disc:
Whilst in the stop mode, press the OPEN/CLOSE ⏏ button.

Caution:
● Do not place two CDs in one disc tray.
● Do not play discs with special shapes (heart- or octagon-shaped) as it may cause malfunctions.
● Do not push the disc tray whilst it is moving.
● If the power fails whilst the tray is open, wait until the power is restored.
● If a disc is damaged, dirty, or loaded upside down, the disc will skip or not play.
● Subjecting the unit to shock or vibration may cause mistracking.
● If TV or radio interference occurs during CD operation, move the unit away from the TV or radio.

■ **To change the display (MP3 discs only)**
Whilst in the stop mode or playback mode, press the MP3 DISPLAY button.
Each time the button is pressed, the display will change as follows.

[When in the stop mode]

Total number of tracks
Folder name
Track name
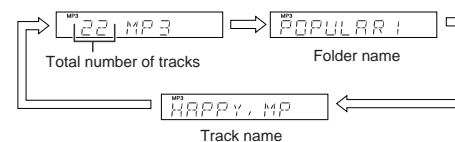
[When in the playback mode]

Track number Elapsed playback time
Folder name
Track name

CD or MP3 disc Playback

4

13
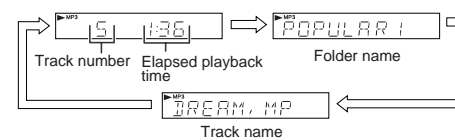
Advanced CD or MP3 disc playback

■ **To select the desired folder or track by name (MP3 discs only)**
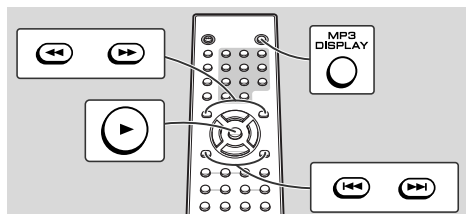
1 Whilst in the stop mode, press the MP3 DISPLAY button on the remote control to display the folder name.

```
MP3
POPULAR 1
```

2 Select the desired folder by pressing the I◄◄ or ►►I button.

3 Press the MP3 DISPLAY button to display the track name.

```
MP3
HAPPY, MP
```

4 Select the desired track by pressing the I◄◄ or ►►I button.

5 Press the ► (►II) button to begin playback.

```
►MP3
5  0:01
```

■ **To locate the beginning of a track**

To move to the beginning of the next track:
Press the ►►I button for less than 0.5 seconds during playback.

To restart the track being played:
Press the I◄◄ button for less than 0.5 seconds during playback.

Note:
You can skip to any track by pressing the I◄◄ or ►►I button repeatedly until the desired track number appears.

■ **To locate the desired portion**
The sound will be heard during operation with a CD, but not with an MP3 disc. Check the displayed playback time for an MP3 disc.

For fast forward:
Press and hold down the ►► button during playback.

For fast reverse:
Press and hold down the ◄◄ button during playback.

Notes:
● Normal playback will resume when the ◄◄ or ►► button is released.
● When the end of the last track is reached during fast forward, CD operation will be paused. When the beginning of the first track is reached during fast reverse, playback will start when you release the ◄◄ button.

14

04/1/28   XL-MP100H(A)2.fm   TINSEA014SJZZ
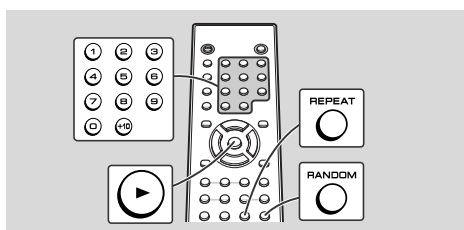
■ Direct search of the track

By using the direct search buttons, the desired tracks can be played.

> **Use the direct search buttons on the remote control to select the desired track.**
>
>
>
> Selected track number
>
> ● The direct search buttons allow you to select up to number 9.
> ● When selecting number 10 or higher, use the "+10" button.
>
> **A. For example, to choose 13**
> 1 Press the "+10" button once.
> 2 Press the "3" button.
>
> **B. For example, to choose 30**
> 1 Press the "+10" button three times.
> 2 Press the "0" button.
>
> Playback of the selected track is started. When the last track on the disc has finished playing, the unit will stop automatically.

Notes:
● A track number higher than the number of tracks on the disc cannot be selected.
● During random play, direct search is not possible.
● For MP3 discs, you can select the track number but cannot select the folder by pressing the direct search button(s).

■ Repeat play

All tracks or a programmed sequence can be continuously repeated.

> **To repeat all tracks:**
> 1 Press the REPEAT button.
> 2 Press the ► (►II) button.
>
> **To repeat a desired track:**
> 1 Perform steps 1 - 3 in the "Programmed play" section on page 16 and then press the REPEAT button.
> 2 Press the ► (►II) button.
>
> **To repeat random play:**
> Press the REPEAT button during random play.
>
>

To cancel repeat play:
Press the REPEAT button again. "↺" will go out.

Caution:
After performing repeat play, be sure to press the ■ button. Otherwise, the disc will play continuously.

■ Random play

The tracks can be played in random order automatically.

> **Whilst in the stop mode, press the RANDOM button and the ► (►II) button sequentially to begin random play.**
>
>

To cancel random play:
Whilst in the stop mode, press the RANDOM button again.

Notes:
● Random play will stop automatically when all tracks are played once. (The same track will not be played back twice.)
● In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks.)
● If you press the ►►I button during random play, you can move to the next track by the random operation. On the other hand, the I◄◄ button does not allow you to move to the previous track. The beginning of the track being played will be located.

CD or MP3 disc Playback

4

15

04/1/28   XL-MP100H(A)2.fm   TINSEA014SJZZ

Advanced CD or MP3 disc playback (continued)

CD or MP3 disc Playback
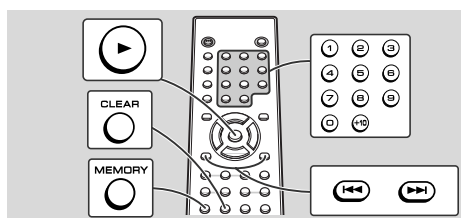
■ **Programmed play**
You can choose up to 20 selections for playback in the order you like.

1	**Whilst in the stop mode, press the MEMORY (MEMORY/ SET) button to enter the programming save mode.**
2	**Press the direct search buttons on the remote control to select the desired track.**
	Selected track number
	You can also select a track by pressing the ◄◄ or ►► button.
3	**Press the MEMORY (MEMORY/ SET) button to save the track number.**
	Playback order
4	**Repeat steps 2 - 3 for other tracks. Up to 20 tracks can be programmed.**
	If you make a mistake, the programmed tracks can be cleared by pressing the CLEAR button.
5	**Press the ► (►II) button to start playback.**
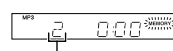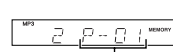
To clear the programmed selections:
Whilst the "MEMORY" indicator is lit, set the CD to the stop mode and then press the CLEAR button.
Each time the button is pressed, one track will be cleared, beginning with the last track programmed. When all the tracks are cleared, "MEMORY" will disappear.

Adding tracks to the programme:
If a programme has been previously stored, the "MEMORY" indicator will be displayed. Then follow steps 2 - 3 to add tracks. The new tracks will be stored after the last track of the original programme.

Notes:
● If you open the disc tray or enter the stand-by mode, the programmed sequence is automatically cancelled.
● Even if you changed the function from CD to some other function, the programmed selections will not be cleared.
● During the programme operation, random play is not possible.
● For MP3 discs, you can select the track number but cannot select the folder by pressing the direct search button(s).

■ **Care of compact discs**
Compact discs are fairly resistant to damage, however mistracking can occur due to an accumulation of dirt on the disc surface. Follow the guidelines below for maximum enjoyment from your CD collection and player.
● Do not write on either side of the disc, particularly the non-label side from which signals are read. Do not mark this surface.
● Keep your discs away from direct sunlight, heat, and excessive moisture.
● Always hold the CDs by the edges. Fingerprints, dirt, or water on the CDs can cause noise or mistracking. If a CD is dirty or does not play properly, clean it with a soft, dry cloth, wiping straight out from the centre, along the radius.
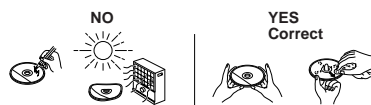
NO **YES Correct**

04/1/28   XL-MP100H(A)2.fm   TINSEA014SJZZ

Listening to the radio
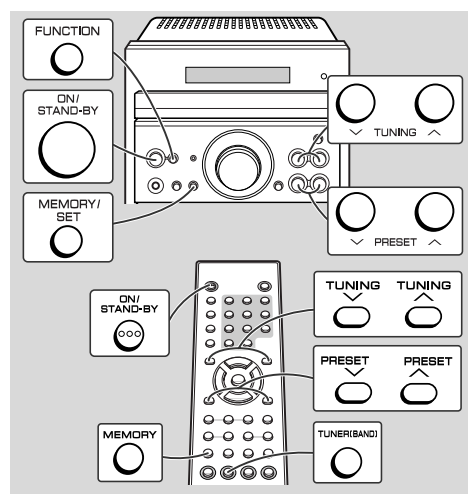
1   Press the ON/STAND-BY button to turn the power on.

2   Press the FUNCTION button until "FM" or "AM" appears on the display.

When operating with the remote control, press the TUNER (BAND) button to select "FM" or "AM".

3   Press the TUNING (∨ or ∧) button to tune in to the desired station.

Manual tuning:

Press the TUNING button as many times as required to tune in to the desired station.

Auto tuning:

When the TUNING button is pressed for more than 0.5 seconds, scanning will start automatically and the tuner will stop at the first receivable broadcast station.

Notes:
● When radio interference occurs, auto scan tuning may stop automatically at that point.
● Auto scan tuning will skip weak signal stations.
● To stop the auto tuning, press the TUNING button again.
● When an RDS (Radio Data System) station is tuned in, the frequency will be displayed first, and then the RDS indicator will light. Finally, the station name will appear.
● Full auto tuning can be achieved for RDS stations "ASPM", see page 23.
● This product can receive FM stereo/FM monaural and AM monaural broadcasts. AM stereo broadcasts will not be played in stereo.

To receive an FM stereo transmission:
Press the FUNCTION [TUNER (BAND)] button to display the "ST" indicator.
● "∞" will appear when an FM broadcast is in stereo.
● If the FM reception is weak, press the FUNCTION [TUNER (BAND)] button to extinguish the "ST" indicator. The reception changes to monaural, and the sound becomes clearer.

FM stereo mode indicator
FM stereo receiving indicator

Radio

5

17
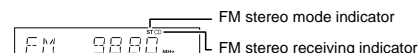
Listening to the memorised station

■ Memorising a station

You can store up to 45 stations (30 FM stations and 15 AM stations) and recall them at the push of a button (preset tuning).

1	**Perform steps 1 - 3 in "Listening to the radio" on page 17.**
2	**Press the MEMORY/SET (MEMO-RY) button to enter the preset tuning saving mode.**
3	**Within 5 seconds, press the PRE-SET (∨ or ∧) button to select the preset channel number.** Store the stations in memory, in order, starting with preset channel 1.
4	**Within 5 seconds, press the MEM-ORY/SET (MEMORY) button to store that station in memory.** ● 30 FM stations can be preset (preset channels 1 through 30). ● 15 AM stations can be preset (preset channels 1 through 15). ● If the "MEMORY" and preset number indicators go out before the station is memorised, repeat the operation from step 2.
5	**Repeat steps 1 - 4 to set other stations, or to change a preset station.** When a new station is stored in memory, the station previously memorised will be erased.
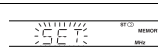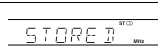
Note:
The backup function protects the memorised stations for a few hours should there be a power failure or the AC power lead disconnection.

■ To recall a memorised station

Press the PRESET (∨ or ∧) button for less than 0.5 seconds to select the desired station.

Preset channel   Frequency and frequency band
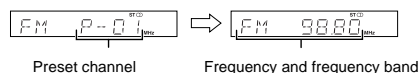
■ To erase entire preset memory

1 Press the ON/STAND-BY button to enter the power stand-by mode.
2 Whilst pressing down the MEMORY/SET button and the PRESET ∨ button, press the ON/STAND-BY button until "TUNER CL" appears.
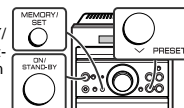
Listening to a cassette tape
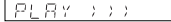
XL-MP100H

Before playback:
- **For playback, use normal or low-noise tapes for the best sound. (Metal or CrO₂ tapes are not recommended.)**
- Do not use C-120 tapes or poor-quality tapes, as they may cause malfunctions.
- Before loading a tape into the cassette compartment, tighten the slack with a pen or a pencil.
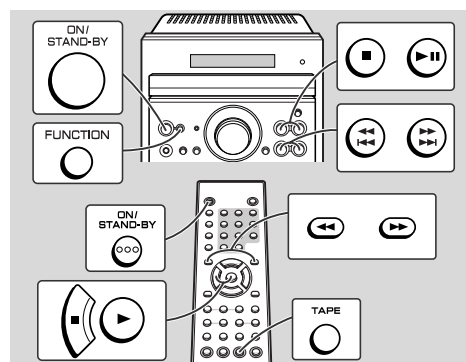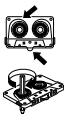
1 **Press the ON/STAND-BY button to turn the power on.**

2 **Press the FUNCTION button until "TAPE" appears on the display.**

When operating with the remote control, press the TAPE button.

3 **Open the cassette compartment by pushing the area marked "PUSH EJECT ▲".**

PUSH EJECT ▲

4 **Load a cassette into the cassette compartment with the side to be played facing toward you.**

5 **Close the cassette compartment by pushing the area marked "PUSH EJECT ▲".**

6 **Press the ▶II button to start playback.**

PLAY ⟩⟩⟩

When playback is performed using the remote control, press the ▶ button.

To stop playback:
Press the ■ button.

Fast forward/rewind:
To advance the tape, press the ▶▶ button. To rewind it, press the ◀◀ button.

Caution:
- To remove the cassette, press the ■ button, and then open the compartment.
- Before changing from one tape operation to another, press the ■ button.
- If a power failure occurs during tape operation, the tape head will remain engaged with the tape and the cassette compartment will not open. In this case, wait until the power is restored.
- Even if the ▶II (II) button is pressed during tape playback, the unit will not enter the pause mode.

Tape Playback

6

19

/1/28   XL-MP100H(A)2.fm   TINSEA014SJZZ

Recording on a cassette tape

Before recording:
● When recording important selections, make a preliminary test to ensure that the desired material is properly recorded.
● SHARP is not liable for damage or loss of your recording arising from malfunction of this unit.
● The volume and sound controls can be adjusted with no effect on the recorded signal (Variable Sound Monitor).
● **For recording, use only normal tapes. Do not use metal or CrO₂ tapes.**
● Do not use C-120 tapes or poor-quality tapes, as they may cause malfunctions.
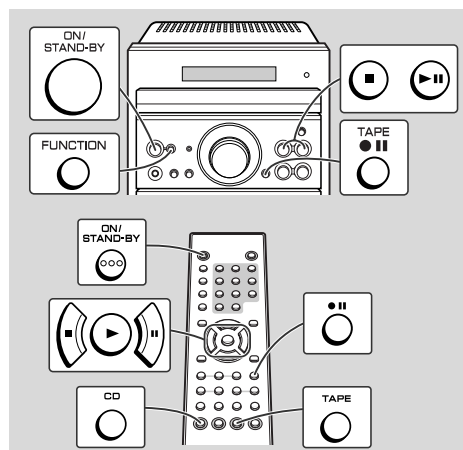
Erase-prevention tab of cassette tapes:
● When recording on a cassette tape, make sure that the erase-prevention tabs are not removed. Cassettes have removable tabs that prevent accidental recording or erasing.
● To protect the recorded sound, remove the tab after recording. Cover the tab hole with adhesive tape to record on the tape without the tab.

Side A

Tab for side B   Tab for side A
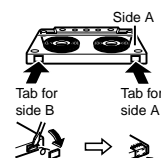
■ **Recording from a CD or MP3 disc**

1	**Press the ON/STAND-BY button to turn the power on.**
2	**Press the FUNCTION button until "CD" appears on the display.** When operating with the remote control, press the CD button.
3	**Load the desired disc.**
4	**Load a cassette into the cassette compartment with the side to be recorded on facing you.** Wind past the leader of the tape, on which recording cannot be performed.
5	**Press the TAPE ●II (●II) button.** Recording will be paused.
6	**Press the ▶II (▶) button to start recording.** ● Playback of the disc will start in a few seconds after the tape starts. ● When the playback is finished, the disc and the cassette will stop automatically.

04/1/28   XL-MP100H(A)2.fm   TINSEA014SJZZ

To stop recording:
Press the ■ button.
The tape will stop. When the ■ button is pressed again, the disc will stop.

To interrupt recording:
Press the TAPE ●II (●II) button.
To resume recording, press the ►II (►) button.

To perform programmed recording:
1 Programme tracks (see page 16).
2 Press the TAPE ●II (●II) button.
3 Press the ►II (►) button.

■ **Recording from the radio**

1	**Tune in to the desired station (see page 17).**
2	**Load a cassette into the cassette compartment with the side to be recorded on facing you.**
	Wind past the leader of the tape, on which recording cannot be performed.
3	**Press the TAPE ●II (●II) button.**
	Recording will be paused.
4	**Press the ►II (►) button to start recording.**

To stop recording:
Press the ■ button.

To interrupt recording:
Press the TAPE ●II (●II) button.
To resume recording, press the ►II (►) button.

Note:
If you hear a whistling noise whilst recording an AM station, move the AM loop aerial.

■ **Erasing recorded tapes**
1 Load the tape to be erased into the cassette compartment with the side to be erased facing toward you.
2 Press the FUNCTION button until "TAPE" appears on the display.
When operating with the remote control, press the TAPE button.
3 Press the TAPE ●II (●II) button.
4 Press the ►II (►) button to start erasing.

Tape Recording

7

21

04/1/28   XL-MP100H(A)2.fm   TINSEA014SJZZ

Using the Radio Data System (RDS)

About "Using the Radio Data System (RDS)":
The RDS function does not work in Australia and New Zealand.

RDS is a broadcasting service which a growing number of FM stations provide. These FM stations send additional signals along with their regular programme signals. They send their station names, and information about the type of programme such as sport, music, etc.
When tuned to an RDS station, "RDS" and the station name will be displayed.
"TP" (Traffic Programme) will appear on the display when the received broadcast carries traffic information, and "TA" (Traffic Announcement) will appear whilst a traffic information is on air.

RDS TATP

FM 88.00 MHz

You can control the RDS by using the remote control only.

■ Information provided by RDS

Each time the DISPLAY button is pressed, the display will switch as follows:

DISPLAY

BBC R1 ⟹ NEWS
Station name (PS)   Programme type (PTY)

FM 98.80 MHz
Frequency
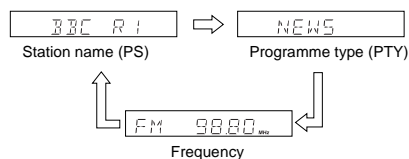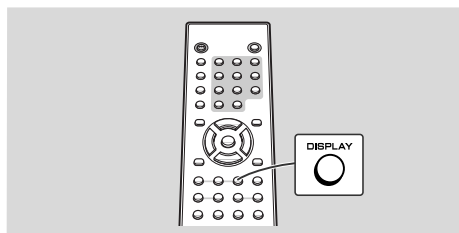
When you are tuning in to a station other than an RDS station or to an RDS station which sends weak signal, the display will change in the following order:

→NO PS ────────→NO PTY─
└──── FM 98.80 MHz ←────┘

22

ASPM   TUNER(BAND)
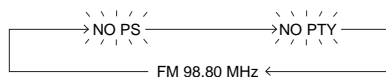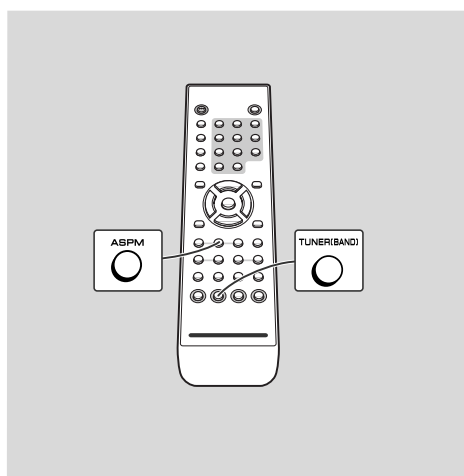
■ Using the Auto Station Programme Memory (ASPM)

Whilst in the ASPM operation mode, the tuner will automatically search for new RDS stations. Up to 30 stations can be stored.
If you have already stored some stations in memory, the number of new stations you can store will be less.

1   **Press the TUNER (BAND) button to select the FM band.**

2   **Press and hold down the ASPM button for at least 3 seconds.**

    1   After "ASPM" has flashed for about 4 seconds, scanning will start (87.50 - 108.00 MHz).

ASPM	⇨	FM 87.50 MHz

    2   When an RDS station is found, "RDS" will appear for a short time and the station will be stored in memory.

RDS

FM   88.00 MHz

    3   After scanning, the number of stations stored in memory will be displayed for 4 seconds.

1 MEMORY

Advanced Features

8

23

Using the Radio Data System (RDS) (continued)

To stop the ASPM operation before it is complete:
Press the ASPM button whilst it is scanning for stations.
The stations which are already stored in memory will be kept there.

Notes:
- If the same station is broadcasting on different frequencies, the strongest frequency will be stored in memory.
- Any station which has the same frequency as one stored in memory will not be stored.
- If 30 stations have already been stored in memory, the scan will be aborted. If you want to redo the ASPM operation, erase the preset memory.
- If no stations have been stored in memory, "0MEMORY" will appear for about 4 seconds.
- If the RDS signals are very weak, station names may not be stored in memory.

To erase all of the contents of preset memory:
Perform to "To erase entire preset memory" on page 18.

To store a station name again if the wrong name was stored in memory:
It may be impossible to store station names in memory using the ASPM function if there is lots of noise or if the signal is too weak. In this case, perform as follows.
1. Press the PRESET ($\vee$ or $\wedge$) button to check whether the names are correct.
2. If you find a wrong name during receiving the station, wait until the correct name will be displayed. And then press the MEMORY button.
3. Within 5 seconds, press the MEMORY button whilst the preset channel number is flashing.
- The new station name has been stored in memory correctly.

Notes:
- The same station name can be stored in different channels.
- In a certain area or during certain time periods, the station names may temporarily be different.

■ Notes for RDS operation
If any of the following events occur, it does not mean that the unit is faulty:
- "PS", "NO PS" and a station name appear alternately, and the unit does not operate properly.
- If a particular station is not broadcasting properly or a station is conducting tests, the RDS reception function may not work properly.
- When you receive an RDS station whose signal is too weak, information like the station name may not be displayed.
- "NO PS" or "NO PTY" will flash for about 5 seconds, and then the frequency will be displayed.

24

04/1/28   XL-MP100H(A)3.fm   TINSEA014SJZZ
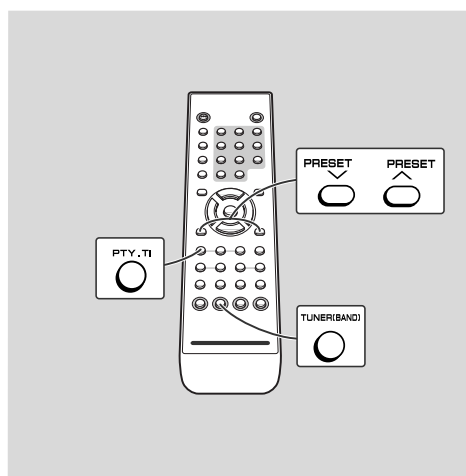
■ To recall stations in memory

To specify programmed types and select stations (PTY search):
You can search a station by specifying the programme type (news, sports, traffic programme, etc. ... see pages 26 - 27) from the stations in memory.

1	**Press the TUNER (BAND) button to select the FM.**
2	**Press the PTY.TI button.**

"PTY TI" will flash for about 4 seconds.

3 Within 4 seconds, press the PRESET (∨ or ∧) button to select the programme type.

Each time the button is pressed, the programme type will appear. If the button is held down for more than 0.5 seconds, the programme type will appear continuously.

4 Whilst the selected programme type is flashing (within 9 seconds), press the PTY.TI button again.

NEWS ⇨ SEARCH

After the selected programme type has been lit for 2 seconds, "SEARCH" will appear, and the search operation will start.

Advanced Features

8

25

Advanced Features

Notes:
- If the display has stopped flashing, start again from step 2. If the unit finds a desired programme type, the corresponding channel number will flash for about 4 seconds, and then the station name will flash for 7 seconds, which will remain lit.
- If you want to listen to the same programme type of another station, press the PTY.TI button whilst the channel number or station name is flashing. The unit will look for the next station.
- If no station can be found, "NOTFOUND" will appear for 4 seconds.

If you select the traffic programme:
If you select the traffic programme (TP) in step 4, "TP" will appear. (This does not mean that you can listen to the traffic information at that time.)
When the traffic information is broadcast, "TA" will appear.

To specify station names and select stations manually:
You can select a station by specifying the name (BBC R1, BBC R2, etc.) from the stations stored in memory.
Before starting this operation, you must store one or more station names in memory.
1　Press the TUNER (BAND) button to select the FM band.
2　Press the PRESET (∨ or ∧) button to select a desired station.
3　The station name will be displayed for 6 seconds. Then the display will change.

Descriptions of the PTY (Programme Type) codes, TP (Traffic Programme) and TA (Traffic Announcement).
You can search for and receive the following PTY, TP and TA signals.

NEWS	Short accounts of facts, events and publicly expressed views, reportage and actuality.
AFFAIRS	Topical programme expanding or enlarging upon the news, generally in different presentation style or concept, including debate, or analysis.
INFO	Programmes whose purpose is to impart advice in the widest sense.
SPORT	Programme concerned with any aspect of sport.
EDUCATE	Programme intended primarily to educate, of which the formal element is fundamental.
DRAMA	All radio plays and serials.
CULTURE	Programmes concerned with any aspect of national or regional culture, including language, theatre, etc.
SCIENCE	Programmes about the natural sciences and technology.
VARIED	Used for mainly speech-based programmes usually of light-entertainment nature, not covered by other categories. Examples include: quizzes, panel games, personality interviews.
POP M	Commercial music, which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
ROCK M	Contemporary modern music, usually written and performed by young musicians.
EASY M	Current contemporary music considered to be "easy-listening", as opposed to Pop, Rock or Classical, or one of the specialised music styles, Jazz, Folk or Country. Music in this category is often but not always, vocal, and usually of short duration.

26

04/1/28　　XL-MP100H(A)3.fm　　TINSEA014SJZZ

LIGHT M	Classical music for general, rather than specialist appreciation. Examples of music in this category are instrumental music, and vocal or choral works.
CLASSICS	Performances of major orchestral works, symphonies, chamber music, etc., and including Grand Opera.
OTHER M	Musical styles not fitting into any of the other categories. Particularly used for specialist music of which Rhythm & Blues and Reggae are examples.
WEATHER	Weather reports and forecasts and meteorological information.
FINANCE	Stock Market reports, commerce, trading, etc.
CHILDREN	For programmes targeted at a young audience, primarily for entertainment and interest, rather than where the objective is to educate.
SOCIAL	Programmes about people and things that influence them individually or in groups. Includes: sociology, history, geography, psychology and society.
RELIGION	Any aspect of beliefs and faiths, involving a God or Gods, the nature of existence and ethics.
PHONE IN	Involving members of the public expressing their views either by phone or at a public forum.
TRAVEL	Features and programmes concerned with travel to near and far destinations, package tours and travel ideas and opportunities. Not for use for announcements about problems, delays, or roadworks affecting immediate travel where TP/TA should be used.
LEISURE	Programmes concerned with recreational activities in which the listener might participate. Examples include, Gardening, Fishing, Antique collecting, Cooking, Food & Wine, etc.
JAZZ	Polyphonic, syncopated music characterised by improvisation.

COUNTRY	Songs which originate from, or continue the musical tradition of the American Southern States. Characterised by a straightforward melody and narrative story line.
NATION M	Current Popular Music of the Nation or Region in that country's language, as opposed to International 'Pop' which is usually US or UK inspired and in English.
OLDIES	Music from the so-called "golden age" of popular music.
FOLK M	Music which has its roots in the musical culture of a particular nation, usually played on acoustic instruments. The narrative or story may be based on historical events or people.
DOCUMENT	Programme concerned with factual matters, presented in an investigative style.
TEST	Broadcast when testing emergency broadcast equipment or receivers.
ALARM	Emergency announcement made under exceptional circumstances to give warning of events causing danger of a general nature.
TA	Traffic announcements are being broadcast.
TP	Broadcasts which carry traffic announcements.
NONE	No programme type (receive only).

Advanced Features

8

27

04/1/28   XL-MP100H(A)3.fm   TINSEA014SJZZ
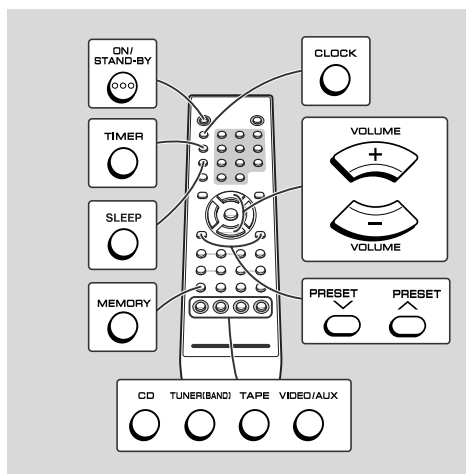
Timer and sleep operation

This may be operated only with the remote control.

Timer playback:
The unit turns on and plays the desired source (CD, MP3 disc, tuner, tape) at a preset time.

Sleep operation:
The radio, CD, MP3 disc and cassette tape can all be turned off automatically.

Advanced Features

■ **Timer playback**
Before setting timer:

1 Press the CLOCK button to check that the clock is set to the correct time. (Refer to page 11.)
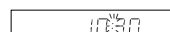
2 Load a cassette or disc to be played.

⇩

1 Press the ON/STAND-BY button to turn the power on.

2 Press the CD, TUNER (BAND) or TAPE button to select the desired function.

When you selected the TUNER (BAND), tune in to the desired station.

3 Adjust the volume using the VOLUME buttons.

Do not turn the volume up too high.

4 Press the TIMER button and within 7 seconds, press the MEMORY button.
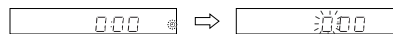
5 Press the PRESET (∨ or ∧) button to specify the hour to start, then press the MEMORY button.
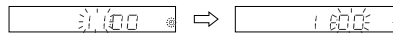
6 **Press the PRESET (∨ or ∧) button to specify the minutes, then press the MEMORY button.**
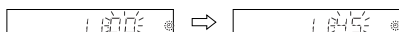
- The timer playback starting time, function, and volume will be displayed, and then the unit will enter the stand-by mode automatically.
- Timer set indicator will light up.

To cancel the timer playback:

Press the ON/STAND-BY button to turn the power on.

7 **When the preset time is reached, playback will start.**

The volume will increase gradually until it reaches the volume you were listening at before your system enters the timer stand-by mode.

8 **The unit will enter the stand-by mode one hour after the timer playback starts. However, when CD or tape playback time is one hour or less, it will enter the stand-by mode after completing playback.**
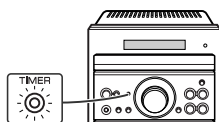
To reset or change the timer setting:
Perform "Timer playback" from the beginning.

Notes:
- Once the time is set, the setting will be retained until a new time is entered.
- When performing timer playback using another unit connected to the VIDEO/AUX IN sockets, select "VIDEO/AUX" in step 2. At this time, only this unit will be turned on or enter the power stand-by mode automatically. It will enter the power stand-by mode 1 hour after the timer playback starts. However, the other unit will not be turned on or off.

■ **Sleep operation**

1 **Play back the desired sound source.**

2 **Press the SLEEP button.**
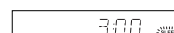
To change the sleep time:

Press the SLEEP button repeatedly to select the desired sleep time. The time will decrease as follows.

The amount of sleep time can also be changed whilst in the sleep mode.

(Maximum: 3 hours - Minimum: 5 minutes)

```
┌─→ 3:00 ──→ 2:00 ──→ 1:30 ──→ 1:00 ─┐
└─ OFF ←─ 5 ←─ 10 ←─ 15 ←─ 30 ←──────┘
```
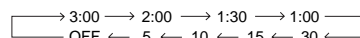
3 **Your system will enter the power stand-by mode automatically after the preset time has elapsed.**

The volume will turn down 10 seconds before the sleep operation finishes.

Advanced Features

8

29

Advanced Features

Timer and sleep operation (continued)

To cancel the sleep operation:
Press the ON/STAND-BY button whilst "SLEEP" is indicated.
To cancel the sleep operation without setting the system to the stand-by mode, press the SLEEP button until "OFF" appears on the display.

To confirm the remaining sleep time:
Press the SLEEP button once whilst the sleep timer is set.
The remaining sleep time is displayed for about 3 seconds.

■ To use timer and sleep operation together
Example: To fall asleep and wake up to the same radio station
You can play back the same source only (the function cannot be switched).

1	Set the sleep time (steps 1 - 2, page 29).
2	Whilst the sleep timer is set, set the desired playback time (steps 4 - 6, pages 28 - 29).

Sleep timer setting Timer playback setting

5 minutes - 3 hours	

Sleep operation will automatically stop. Timer playback start time
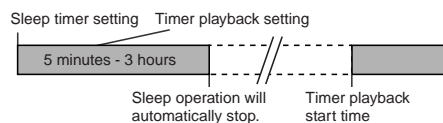
Caution:
When using the cassette deck, be sure the tape length is long enough to perform both functions. If you want to sleep and wake up listening to a tape, and the length of the tape is shorter than the sleep timer setting, timer playback will not be possible.

30

Enhancing your system
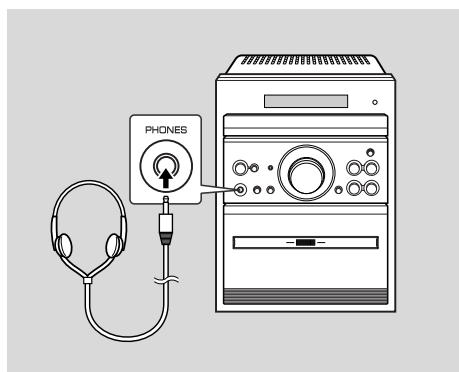
■ Headphones
● Before plugging in or unplugging the headphones, reduce the volume.
● Be sure your headphones have a 3.5 mm (1/8") diameter plug and are between 16 ohms and 50 ohms impedance. The recommended impedance is 32 ohms.
● Plugging in the headphones disconnects the speakers automatically. Adjust the volume using the VOLUME control.

The connection lead is not included. Purchase a commercially available lead as shown below.

VIDEO/AUX IN LEFT — **White**
RIGHT — **Red**

RCA lead
(not supplied)

White → **VCR, DVD, etc.**
Red
To the line output sockets

DIGITAL OUT

MD recorder

Connection cable for digital recording
(not supplied)

To the optical line input socket

■ **Listening to the playback sounds from VCR, DVD, etc.**

1 Use a connection lead to connect the VCR, DVD, etc. to the VIDEO/AUX IN sockets.
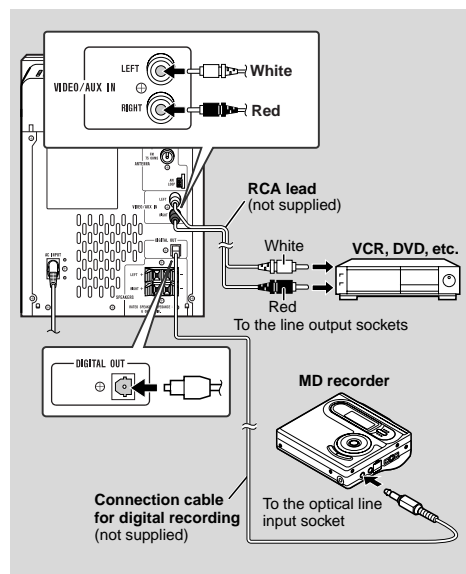   When using video equipment, connect the audio output to this unit and the video output to a television.
2 Press the ON/STAND-BY button to turn the power on.
3 Press the FUNCTION button until "AUX" appears on the display.
   When operating with the remote control, press the VIDEO/AUX button.
4 Play the connected equipment.

Note:
To prevent noise interference, place the unit away from the television.

■ **To record CD signals on MDs**

The digital signal from this unit can be recorded by MiniDisc recorders, etc.

1 Remove the DIGITAL OUT socket cover.
2 Use a connection cable for digital recording to connect the unit to the OPTICAL IN socket of a MiniDisc recorder, etc.
3 Press the ON/STAND-BY button to turn the power on.
4 Put the MiniDisc recorder, etc. in the recording mode.
5 Play a CD on this unit.

Notes:
● When using the optical digital socket, remove the cap first. After using the socket, replace the cap.
● Only CD signals can be output.

■ **To record on a tape**

1 Load a cassette into the cassette compartment with the side to be recorded on facing you.
2 Press the VIDEO/AUX button.
3 Press the TAPE ●II (●II) button.
4 Press the ▶II (▶) button.
5 Play the VCR, DVD, etc.

Advanced Features

8

31

Troubleshooting chart

Many potential problems can be resolved by the owner without calling a service technician.
If something is wrong with this product, check the following before calling your authorised SHARP dealer or service centre.

■ General

Symptom	Possible cause
● The clock is not set to the correct time.	● Did a power failure occur? Reset the clock. (Refer to page 11.)
● When a button is pressed, the unit does not respond.	● Set the unit to the power stand-by mode and then turn it back on.
	● If the unit still malfunctions, reset it. (Refer to page 33.)
● No sound is heard.	● Is the volume level set to "0"?
	● Are the headphones connected?
	● Are the speaker wires disconnected?

■ CD player

Symptom	Possible cause
● Playback does not start.	● Is the disc loaded upside down?
● Playback stops in the middle or is not performed properly.	● Does the disc satisfy the standards?
	● Is the disc distorted or scratched?
● Playback sounds are skipped, or stopped in the middle of a track.	● Is the unit located near excessive vibrations?
	● Is the disc very dirty?
	● Has condensation formed inside the unit?

■ Tuner

Symptom	Possible cause
● The radio makes unusual noises continuously.	● Is the unit placed near the TV or computer?
	● Is the FM aerial or AM loop aerial placed properly? Move the aerial away from the AC power lead if it's located nearby.

■ Cassette deck

Symptom	Possible cause
● Cannot record.	● Is the erase-prevention tab removed?
● Cannot record tracks with proper sound quality. ● Cannot erase completely.	● Is it a normal tape? (You cannot record on a metal or CrO₂ tape.)
● Sound skipping.	● Is there slack in the tape?
	● Is the tape stretched?
● Cannot hear treble. ● Sound fluctuation.	● Are the capstans, pinch rollers, or heads dirty?
● Cannot remove the tape.	● If a power failure occurs during playback, the heads remain engaged with the tape. Do not open the compartment with great force.

■ Remote control

Symptom	Possible cause
● The remote control does not operate.	● Is the AC power lead of the unit plugged in?
	● Is the battery polarity correct?
	● Are the batteries dead?
	● Is the distance or angle incorrect?
	● Does the remote control sensor receive strong light?

04/1/28   XL-MP100H(A)3.fm   TINSEA014SJZZ

■ If trouble occurs

When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction.

If such a problem occurs, do the following:
1 Set the unit to the stand-by mode and turn the power on again.
2 If the unit is not restored in the previous operation, unplug and plug in the unit, and then turn the power on.

Note:
If neither operation above restores the unit, clear all the memory by resetting it.

■ Clearing all the memory (reset)

1 Press the ON/STAND-BY button to enter the power stand-by mode.
2 Whilst pressing down the MEMORY/SET button and the TAPE ●II button, press the ON/STAND-BY button until "CLEAR" appears.
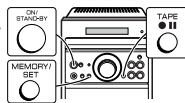
Caution:
This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD programme.

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, tape heads, etc.) or on the transmitter on the remote control. Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc (or cassette) in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit.

Maintenance

■ Cleaning the cabinet

Periodically wipe the cabinet with a soft cloth and a diluted soap solution, then with a dry cloth.

Caution:
● Do not use chemicals for cleaning (petrol, paint thinner, etc.). It may damage the cabinet finish.
● Do not apply oil to the inside of the unit. It may cause malfunctions.

■ Cleaning the tape-handling parts

● Dirty heads, capstans or pinch rollers can cause poor sound and tape jams. Clean these parts with a cotton swab moistened with commercial head/pinch roller cleaner or isopropyl alcohol.
● When cleaning the heads, pinch rollers, etc., unplug the unit which contains high voltages.
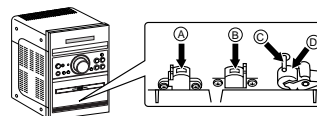
Ⓐ Erase head   Ⓒ Capstan
Ⓑ Recording/Playback head   Ⓓ Pinch roller

● After long use, the deck's heads and capstans may become magnetised, causing poor sound. Demagnetise these parts once every 30 hours of playing/recording time by using a commercial tape head demagnetiser. Read the demagnetiser's instructions carefully before use.

References

9

33

Specifications

As part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

■ General

Power source	AC 230 - 240 V, 50 Hz
Power consumption	Power on: 107 W
	Power stand-by: 0.6 W
Dimensions	Width: 160 mm (6-5/16") Height: 228 mm (9") Depth: 248 mm (9-13/16")
Weight	4.2 kg (9.3 lbs.)

■ Amplifier

Output power	MPO: 150 W (75 W + 75 W) (10 % T.H.D.)
	RMS: 100 W (50 W + 50 W) (10 % T.H.D.)
	RMS: 75 W (37.5 W + 37.5 W) (0.9 % T.H.D.)
Output terminals	Speakers: 6 ohms
	Headphones: 16 - 50 ohms (recommended: 32 ohms)
	CD digital output (optical)
Input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms

■ Tuner

Frequency range	FM: 87.5 - 108 MHz
	AM: 522 - 1,620 kHz

■ CD player

Type	Compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

■ Cassette deck

Frequency response	50 - 14,000 Hz (normal tape)
Signal/noise ratio	50 dB (recording/playback)
Wow and flutter	0.25 % (WRMS)

■ Speaker

Type	2-way type speaker system
	4 cm (1-9/16") semi dome tweeter
	9 cm (3-9/16") woofer
Maximum input power	100 W
Rated input power	50 W
Impedance	6 ohms
Dimensions	Width: 132 mm (5-3/16") Height: 228 mm (9") Depth: 197 mm (7-13/16")
Weight	2.0 kg (4.4 lbs.)/each

04/1/28   XL-MP100H(A)3.fm   TINSEA014SJZZ

SHARP

WARRANTY

Consumer Electronic Products

Congratulations on Your Purchase!

This Sharp product is warranted against faults in materials and manufacture for a period of twelve (12) months from the date of original purchase.

If service is required during the warranty period, please contact your nearest Sharp Approved Service Centre. These repairs would be carried out at no charge to the owner, subject to the conditions specified herein.

The owner is responsible for any transportation and insurance costs if the product has to be returned for repair.

This warranty does not extend to accessories, defects or injuries caused by or resulting from causes not attributable to faulty parts or the manufacture of the product, including but not limited to, defect or injury caused by or resulting from misuse, abuse, neglect, accidental damage, improper voltage, liquid spillage, vermin infestation, software, or any alterations made to the product which are not authorised by Sharp.

Please retain your sales documentation, as this should be produced to validate a warranty claim.

This warranty is in addition to and in no way limits, varies or excludes any express and implied rights and remedies under any relevant legislation in the country of sale.

03/8/20   XL-MP100H(A)_WARRANTY.fm TINSEA014SJZZ

SHARP

IMPORTANT
DO NOT RETURN THIS PAGE TO SHARP

For your reference, please enter the particulars of your purchase below and retain, with your purchase documentation.

Model No. _____

Serial No. _____

Date of Purchase_____

Retailer_____

FOR LOCATION ENQUIRIES WITHIN
AUSTRALIA
REGARDING YOUR
LOCAL
SHARP APPROVED SERVICE CENTRE
VISIT OUR WEBSITE AT
www.sharp.net.au
OR CALL SHARP

LOCAL CALL **1 300 135 022**

SHARP CORPORATION OF AUSTRALIA PTY. LIMITED
A.B.N. 40 003 039 405
1 Huntingwood Drive Blacktown NSW 2148

FOR PRODUCTS PURCHASED IN
NEW ZEALAND
CONTACT YOUR SELLING DEALER/RETAILER
OR CALL
SHARP CUSTOMER SERVICES
TELEPHONE: 09 - 573 0111
FACSIMILE: 09 - 573 0113
WEB: www.sharpnz.co.nz

SHARP CORPORATION OF NEW ZEALAND LIMITED
59 Hugo Johnston Drive, Penrose Auckland

IMPORTANT NOTICE: This warranty applies only to products sold in Australia & New Zealand

SHARP

SHARP CORPORATION

TINSEA014SJZZ
04A N HK ①

03/8/20   XL-MP100H(A)_BACK.fm   TINSEA014SJZZ