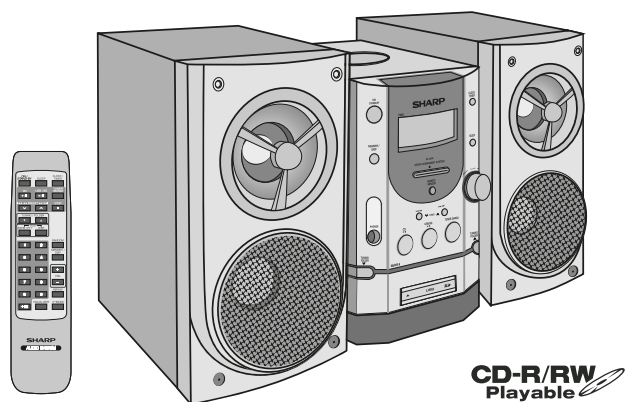


Thank you for purchasing this SHARP product.
To obtain the best performance from this product, please read this manual carefully. It will guide you in operating your SHARP product.

XL-UH4H Micro Component System consisting of XL-UH4H (main unit) and CP-UH4H (speaker system).



04/12/15 XL-UH4HE_FRONT uk.fm

USERS IN THE U.K. AND IRELAND

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Ensure that neither the brown nor the blue wire is connected to the earth terminal in your three pin plug.

Before replacing the plug cover, make sure that:

- If the new fitted plug contains a fuse, its value is the same as that removed from the cut-off plug.
- The lead grip is clamped over the sheath of the mains lead and not simply over the lead wires.

IF YOU HAVE ANY DOUBT, CONSULT A QUALIFIED ELECTRICIAN.

SERVICE INFORMATION

In the unlikely event of your equipment requiring repair, please contact the dealer or supplier from whom it was purchased. Where this is not possible, please visit our web-site www.sharp.co.uk/customersupport.aspx

Customers without internet access may telephone 08705 274277 during office hours (or (01) 676 0648 if telephoning from Ireland).

Please note; all calls will be charged at local rate.

Certain replacement parts and accessories may be obtained from our main parts distributor.

WILLOW VALE ELECTRONICS LTD.
0121 766 5414

In the unlikely event of this equipment requiring repair during the guarantee period, you will need to provide proof of the date of purchase to the repairing company.

Please keep your invoice or receipt, which is supplied at the time of purchase.

Information on Proper Disposal



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dustbin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.

*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users

1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

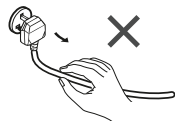
2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

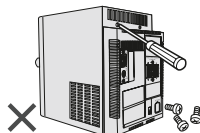
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TERMS OF GUARANTEE	Back Cover

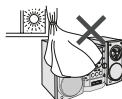
- Hold the AC power plug by the head when removing it from the wall socket, as pulling the lead can damage internal wires.
- The AC power plug is used as disconnect device and shall always remain readily operable.



- **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).
- The apparatus is designed for use in moderate climate.

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.

■ Front panel

	Reference page
1. CD Compartment	16
2. On/Stand-by Button	13, 16, 29
3. Timer Indicator	36
4. Memory/Disp Button	19, 22, 30
5. Disc or USB or SD Stop Button	19, 24, 25, 27, 28
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7. Disc Track Down or Fast Reverse, Tuner Preset Down, Time Down Button	14, 19, 22, 23, 24, 25, 29, 30, 31, 35
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9. CD Play/Pause Button	15, 16, 22
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15. Volume Control	13
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17. Tuner (Band) Button	29
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■ Display

Reference page

1. Memory Indicator	19, 30
2. MP3/WMA Folder Indicator	22, 23, 28
3. Disc or USB or SD Repeat Play Indicator	28
4. Random Indicator	28
5. CD/MP3/WMA Track Indicator	16
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11. USB Indicator	23, 24
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13. RDS Indicator	30
14. Timer Play Indicator	35
15. Sleep Indicator	37
16. Equaliser (ROCK, CLASSIC, POPS, JAZZ) Indicator	13
17. Extra Bass Indicator	13
18. FM Stereo Mode Indicator	29
19. FM Stereo Receiving Indicator	29

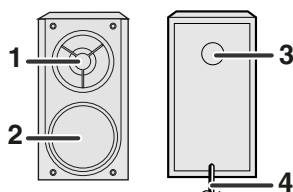
■ Rear panel

Reference page

1. AM Loop Aerial Terminal	10
2. FM 75 Ohms Aerial Socket	10
3. Speaker Terminals	10
4. AC Power Lead	11

■ Speaker system

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



ued)

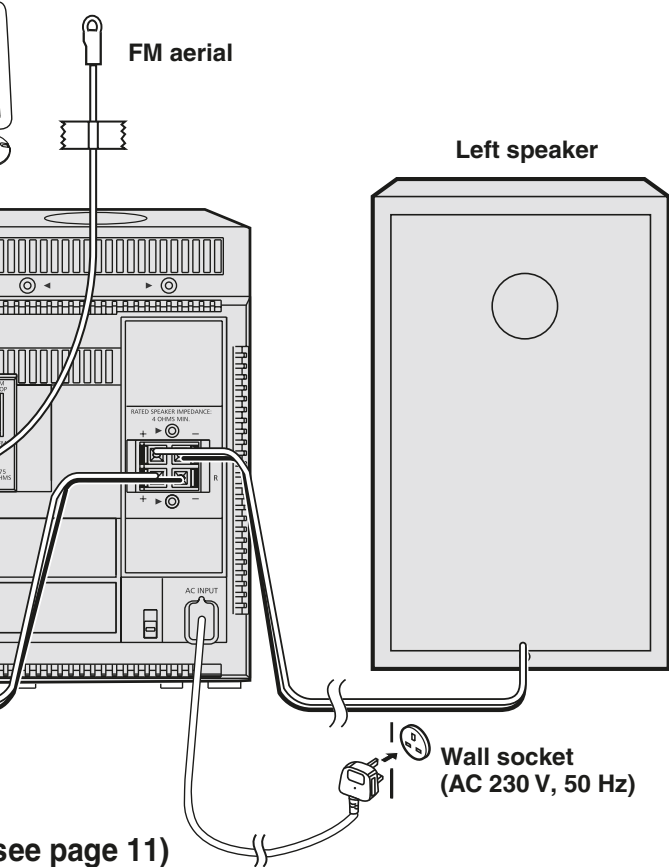


■ Remote control

	Reference page
1. Remote Control Transmitter	12
2. On/Stand-by Button	12, 13
3. Tuning Up/Folder Up Button	22, 23, 25, 29
4. Tuning Down/Folder Down Button	22, 23, 25, 29
5. RDS ASPM /PTY Button	30
6. RDS Display Button	32
7. Disc Direct Search Buttons	15
8. Sleep Button	36, 37
9. Clock/Timer Button	14, 35, 36
10. Random Button	28
11. Memory/Disp Button	22, 30
12. Volume Up and Down Buttons	13
13. Repeat Button	28
14. Extra Bass Button	13
15. Equaliser Button	13
16. CD Play and Pause Button	15, 16, 22
17. USB/SD Play and Pause Button	23, 24, 25
18. Tuner (Band) Button	29
19. Disc Track Down or Fast Reverse, Tuner Preset Down, Time Down Button	14, 19, 22, 23, 24, 25, 29, 30, 31, 35
20. Disc Track Up or Fast Forward, Tuner Preset Up, Time Up Button	14, 19, 22, 23, 24, 25, 29, 30, 31, 35
21. Disc or USB or SD Stop Button	19, 24, 25

Make any connections.

Connection (see page 10)

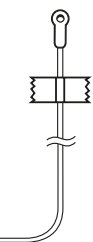


Preparation for Use

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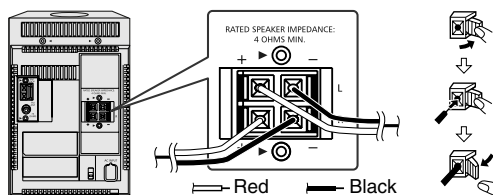
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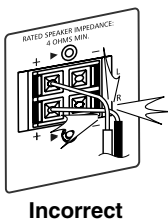
■ Speaker connection

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



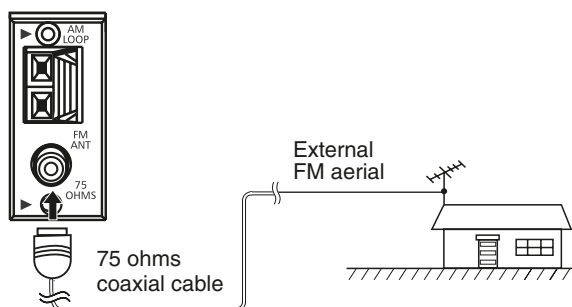
Caution:

- Use speakers with an impedance of 4 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 let the bare speaker wires touch each other.**
- Do not allow any objects to fall into or to be placed in the bass reflex ducts.
- Do not stand or sit on the speakers. You may be injured.



■ External FM aerial

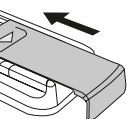
Use an external FM aerial if you require better reception. Consult your dealer.



Note:

When an external FM aerial is used, disconnect the supplied FM aerial wire.

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battery, etc.).
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out.

Notes concerning use:

- Replace the batteries if the operating distance is reduced or if the operation becomes erratic. Purchase 2 "AAA" size batteries (UM-4, R03, HP-16 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 if this occurs.
- Keep the remote control away from moisture, heat, shock, and vibrations.

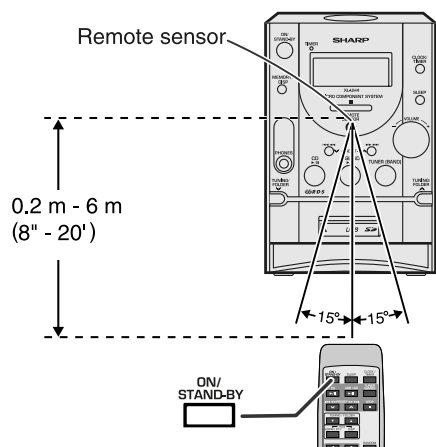
■ Test of the remote control

After installing the unit (see pages 9 - 11), check that the remote control operates correctly.

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 use the unit.



■ Volume control

Main unit operation:

When the VOLUME control is turned clockwise, the volume will increase. When it is turned anti-clockwise, the volume will decrease.

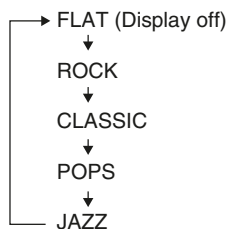
Remote control operation:

Press the VOLUME (+ or -) button to increase or decrease the volume.



■ Equaliser

When the EQUALIZER button on the remote control is pressed, the current mode setting will be displayed. To change to a different mode, press the EQUALIZER button repeatedly until the desired sound mode appears.




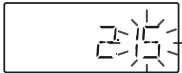
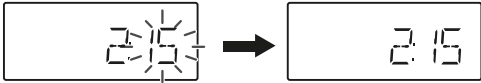
■ X-BASS

When the X-BASS button on the remote control is pressed, the unit will enter the extra bass mode which emphasises the bass frequencies and "X-BASS" will appear. To cancel the extra bass mode, press the X-BASS button again.

CLOCK/
TIMER
▶▶▶▶▶

CLOCK/
TIMER
▶▶▶▶▶

In this example, the clock is set for the 24-hour (0:00) display.

1 In STAND-BY condition.
2 Press the CLOCK/TIMER button for more than 2 seconds.
3 Within 10 seconds, press the PRESET (✓ or ^) button to set hour. 
4 Press the CLOCK/TIMER button again.
5 Within 10 seconds, press the PRESET (✓ or ^) button to set minute. 
6 Press the CLOCK/TIMER button. The clock is set. 

To confirm the time display:

Press the **CLOCK/TIMER** button. The time display will appear for about 5 seconds.

Notes:

- To reset the clock if the power fails or is unplugged, the unit must be in the **STAND-BY** mode.
- "0:00" or time will flash when the AC power supply is restored after a power failure or unplugging the unit or when reset button is pressed.
Readjust the clock as follows:

To readjust the clock:

Perform "Setting the clock" from beginning.

CD disc

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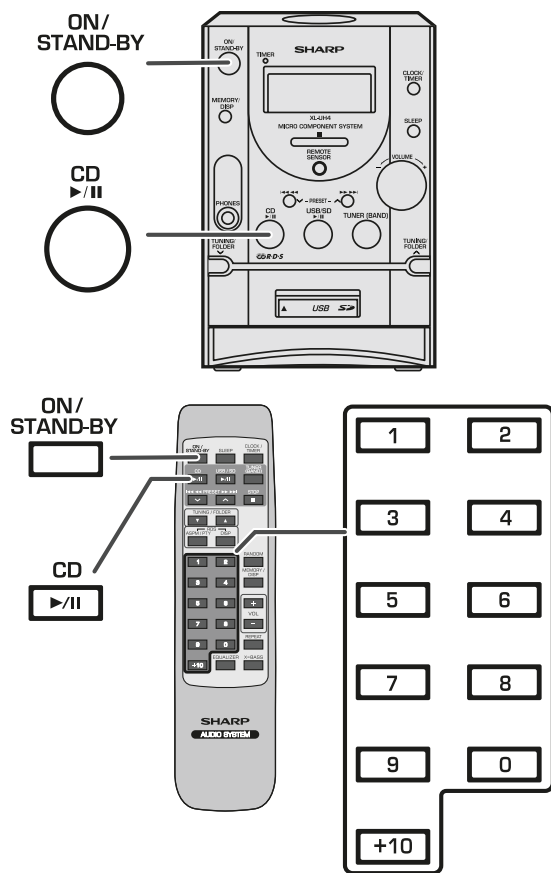
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XL-UH4H



CD or MP3/WMA disc Playback

disc (continued)

Power on.

5 cm (3") discs

5 cm (3")



Indicator

MP3/WMA



Track number
tracks

back.

To move to the beginning of the next track:

During playback, press the ►►► button.

To skip a number of tracks at one time:

Press the ◀◀◀ or ►►► button repeatedly until the desired track number is shown.

To start playback a desired track:

Press the ◀◀◀ or ►►► button whilst in the stop mode to select the track number and then press the CD ► / || button.

To fast forward audibly:

During playback, press and hold down the ►►► button. Release the button to resume playback.

To fast reverse audibly:

During playback, press and hold down the ◀◀◀ button. Release the button to resume playback.

To stop playback:

Press the ■ button.

Caution:

- Do not play discs with special shapes (heart or octagon shaped) as it may cause malfunctions.
- If a disc is damaged, dirty, or loaded upside down, "NO DISC" will appear on the display.
- Keep foreign objects out of the disc compartment.
- Subjecting the unit to shock or vibration may cause mistracking.
- When the unit is not being used, be sure to close the disc compartment. If it is left open, the lens may be covered with dust and the unit may not operate properly.
- If TV or radio interference occurs during disc operation, move the unit away from the source of the interference.

Disc playback

XL-UH4H

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 CD-R/RW discs recorded in the MP3 or WMA format, you can select the track number but cannot select the folder by pressing the direct search buttons.

To stop playback:

Press the ■ button.

CD or MP3/WMA disc Playback

Random playback (continued)

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To cancel random playback, press the button again, so that the random indicator will disappear.

Notes:

- If you press the **◀◀** or **▶▶** button during random play, you can move to the track selected next by the random operation.
- In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks.)
- During random play, repeat function is not possible.
- In random function, playback will stop after all the tracks are played randomly.

h the following

Caution:

After performing repeat, be sure to press the **■** button. Otherwise, it will play continuously.

Note:

(※) When in folder mode, the selected playmode can be used for the files in the selected folder only.



Notes:

- This unit only supports "MPEG-1 Audio Layer-3" format. (Sampling Frequency is 32, 44.1, 48kHz)
- "MPEG-2 Audio Layer-3", "MPEG-2.5 Audio Layer-3" and MP1, MP2 format are not supported.
- Playback order for MP3 files may differ sometimes depending on the writing software used during file download.
- Bitrate which is supported by MP3 is 32~320 kbps, WMA is 64~160 kbps.
- For MP3/WMA files, please put ".MP3" ".WMA" extension. Files cannot be played back if there is no MP3/WMA extension.
- Playlists are not supported on this unit.
- This unit only supports MP3 ID3-Tag version 1.x.
- The display playback time may not be displayed correctly when playing back a variable bitrate file.
- WMA meta tag also supports title, artist and album name which are recorded in WMA files.
- Copyright protected WMA files cannot be played back.

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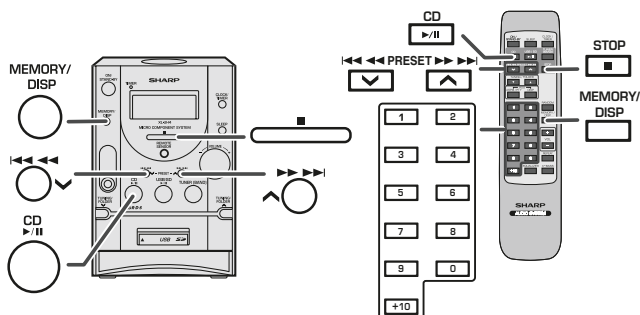
that the ran-

To cancel the programmed play mode:

Press the  button or STOP  button on the remote control. The "MEMORY" indicator will disappear and all the programmed contents will be cleared.

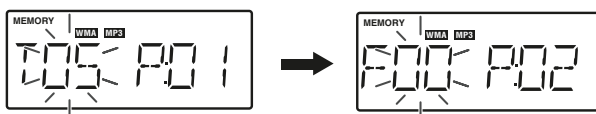
Notes:

- If the disc lid is opened, the programmed sequence will be cancelled.
- The programme will automatically cancelled if you press the ON/STAND-BY button to enter the stand-by mode or change the function from CD to another.
- During the programme operation, press the RANDOM button will automatically cancelled the programme.



CD playback (continued)

5 Press the MEMORY/DISP button to save the track number.



6 Repeat steps 2 – 5 for other folder/tracks. Up to 32 tracks can be programmed.

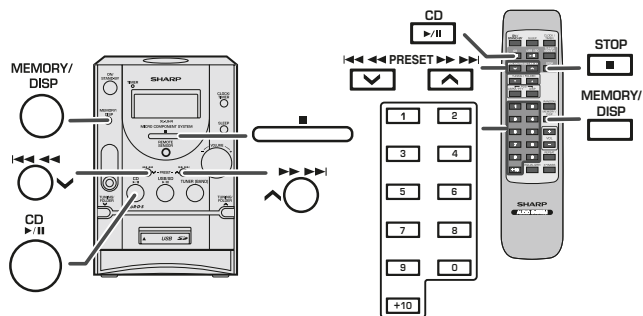
7 Press the CD ► / II button to start playback.

To cancel the programmed play mode:

Press the button or STOP button on the remote control. The "MEMORY" indicator will disappear and all the programmed contents will be cleared.

Notes:

- If the disc lid is opened, the programmed sequence will be cancelled.
- The programme will automatically cancelled if you press the ON/STAND-BY button to enter the stand-by mode or change the function from CD to another.
- During the programme operation, press the RANDOM button will automatically cancelled the programme.



for MP3/WMA files)

XL-UH4H

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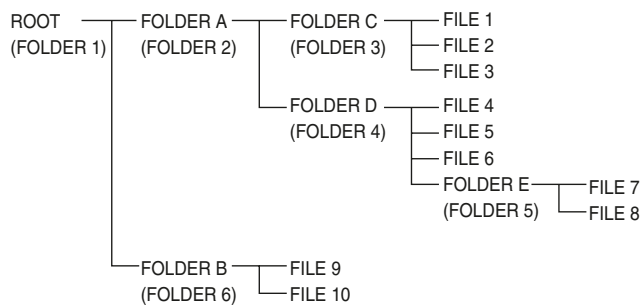
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All the files inside the selected folder will be played back.
In case Folder D is selected, file 4, 5 and 6 will be played back. File 7 and 8 in Folder E will not be played back.



CD or MP3/WMA disc Playback

MP3/WMA files) (continued)

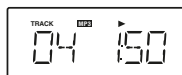
- 3** Select desired track to be played back by pressing the **◀◀** or **▶▶▶** button. Proceed to step 4.



- 4** Press the **CD ▶ / II** button and playback will start.

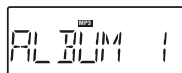
- Press the **MEMORY/DISP** button (**ID3 ON/OFF**) to display Title, Artist and Album name if it is recorded on the disc.
- **ID3 ON** - Title, Artist and Album name is displayed.
- **ID3 OFF** - Title, Artist and Album name is not displayed.

Track number Display



(×1)

Album Display ↑



Title Display



(×1)

Artist Display ↓



(× 1) MP3 ID3-Tag only support version 1.x.

Note:

- If "ERR DISC" is displayed, it means "Copyright protected WMA file" or "Not supported playback file" is selected.

ge device / MP3 player

XL-UH4H



2 Press the TUNING/FOLDER (▼ or ▲) button to select desired playback folder.

- To start playback with folder mode, go to step 4.
- To change the playback folder, press the TUNING/FOLDER (▼ or ▲) button to select another folder.
- In case of playback in the folder mode, press the TUNING/FOLDER (▼ or ▲) button, and the desired folder can be selected even though it is in playback mode. It will continue playback mode in the 1st track of the selected folder.

3 Select desired track to be played back by pressing the ◀◀ or ▶▶ ▶▶ button. Proceed to step 4.

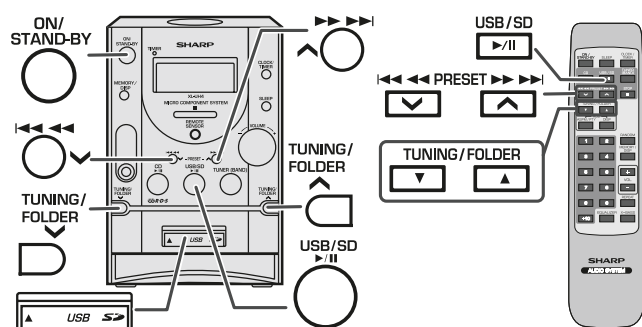
4 Press the USB/SD ▶ / II button. Playback will start and the track name will be displayed.

- Press the MEMORY/DISP button (ID3 ON/OFF) to display Title, Artist and Album name.
- ID3 ON - Title, Artist and Album name is displayed.
- ID3 OFF - Title, Artist and Album name is not displayed.

Note:

To pause playback:
Press the USB/SD ▶ / II button.

Listening to SD mass storage device / MP3 player

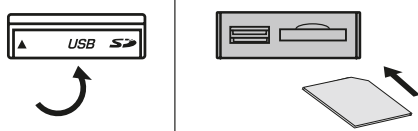


Note:

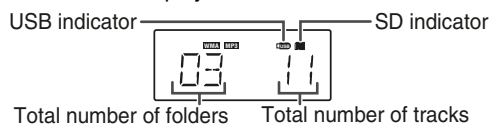
This product is not compatible with MTP and AAC file systems.

- 1 Press the USB/SD ► / II button, and push up the USB door. Connect the SD memory device that has MP3/WMA format files on the unit.

- To select USB or SD function, press and hold the USB/SD ► / II button for more than 2 seconds.



When the SD memory is connected to the main unit, the device information will be displayed.



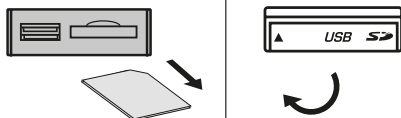
- In case in folder mode, proceed to step 2.
- In case track is selected, proceed to step 3.

To remove SD memory device

XL-UH4H

1 Press the STOP ■ button on the remote control or ■ button on the main unit.

2 Remove SD memory device from the SD terminal.



Notes:

- SHARP will not be held liable for the loss of data whilst the SD memory device is connected to the audio system.
- Files compressed in MP3 and / or WMA format can be played back when connected to the SD terminal.
- This SD memory's format support FAT 16 or FAT 32.
- SHARP cannot guarantee that all SD memory devices will work on this audio system.
- This SD memory cannot be operated via SD hub.
- If "NO SONG" is displayed, it means "Copyright protected WMA file" or "Not supported playback file" is selected.
- The SD terminal in this unit is not intended for a PC connection but is used for music streaming with a SD memory device.
- The larger the capacity of the SD storage device, the longer it will take for the data to be read.
- Some SD multi-reader devices may not work correctly with the SD terminal on this unit.
- External storages devices cannot be played back using the SD terminal on this unit.

ck

DISP button

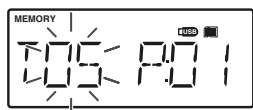
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lder number.

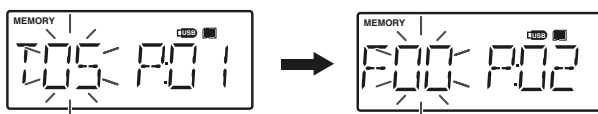


- 4** Press the direct search buttons on the remote control to select the desired tracks.



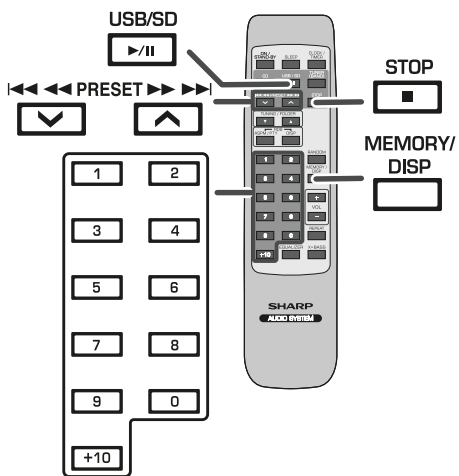
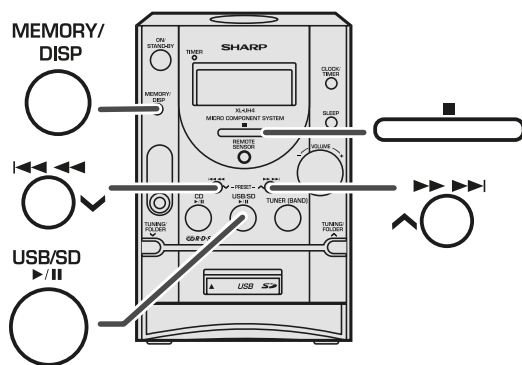
You can also select a track by pressing the ◀◀ ◀◀ or ▶▶ ▶▶ button.

- 5** Press the MEMORY/DISP button to save the track number.



- 6** Repeat steps 2 – 5 for other folder/tracks. Up to 32 tracks can be programmed.

- 7** Press the USB/SD ▶ / || button to start playback.



SD Memory Playback

continued)

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ence continu-

To cancel random playback, press the button again, so that the random indicator will disappear.

Notes:

- If you press the ◀◀◀ or ▶▶▶ button during random play, you can move to the track selected next by the random operation.
- In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks.)
- During random play, repeat function is not possible.
- In random function, playback will stop after all the tracks are played randomly.

Caution:

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

Note:

(✕) When in folder mode, the selected playmode can be used for the files in the selected folder only.

Notes:

- This unit only supports "MPEG-1 Audio Layer-3" format. (Sampling Frequency is 32, 44.1, 48kHz)
- "MPEG-2 Audio Layer-3", "MPEG-2.5 Audio Layer-3" and MP1, MP2 format are not supported.
- Playback order for MP3 files may differ sometimes depending on the writing software used during file download.
- Bitrate which is supported by MP3 is 32~320 kbps, WMA is 64~160 kbps.
- For MP3/WMA files, please put ".MP3" ".WMA" extension. Files cannot be played back if there is no MP3/WMA extension.
- Playlists are not supported on this unit.
- This unit only supports MP3 ID3-Tag version 1.x.
- The display playback time may not be displayed correctly when playing back a variable bitrate file.
- WMA meta tag also supports title, artist and album name which are recorded in WMA files.
- Copyright protected WMA files cannot be played back.

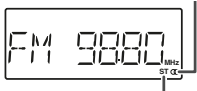
Notes:

- 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/FOLDER (▼ or ▲) 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 up. Finally, the station name will appear.
- Full auto tuning can be achieved for RDS stations "ASPM", see page 30.

To receive an FM stereo transmission:

- Press the TUNER (BAND) button to display the "ST" indicator.
- "ST" will appear when an FM broadcast is in stereo.
 - If the FM reception is weak, press the TUNER (BAND) button to extinguish the "ST" indicator. The reception changes to monaural, and the sound becomes clearer.

FM stereo receiving indicator

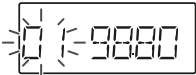


FM stereo mode indicator

■ Memorising a station

Up to 20 station for FM band, 10 station for AM band can be store and recall them at the push of a button. (PRESET (▼ or ▲))

- | |
|---|
| 1 Perform steps 1 - 3 in "Tuning" on page 29. |
| 2 Press the MEMORY/DISP button to enter the preset tuning saving mode. |



Continued to the next page

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Using the Radio Data System (RDS)

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.

■ Using the Auto Station Programme Memory (ASPM)

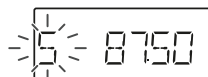
Whilst in the ASPM operation mode, the tuner will automatically search for new RDS stations. Up to 20 stations can be stored.

If you have already stored some stations in memory, the number of new stations you can store will be less.

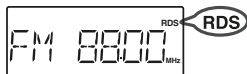
1 Press the TUNER (BAND) button to select the FM band.

2 Press and hold down the RDS (ASPM/PTY) button on the remote control for at least 3 seconds.

1 Scanning will start (87.50 - 108.00 MHz).



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



3 After scanning, the number of stations stored in memory will be displayed for 4 seconds and then "END" will appear for 4 seconds.



Note:

ASPM auto scan search will auto stop after 1 cycle from 87.50 MHz to 108.00 MHz.

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", "NO PTY" or "NO RT" will flash for about 5 seconds, and then the frequency will be displayed.

Notes for radio text:

- The first 7 characters of the radio text will appear for 4 seconds and then they will scroll across the display.
- If you tune in to an RDS station which is not broadcasting any radio text, "NO RT" will be displayed when you switch to the radio text position.
- Whilst radio text data is received or when the text contents change, "RT" will be displayed.

RDS) (continued)

on display

■ 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 33 - 34) from the stations in memory.

FM.

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PTY" appears

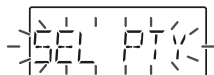
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display.

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

2 Press the RDS (ASPM/PTY) button on the remote control.



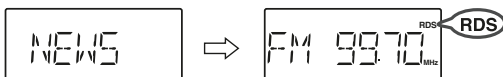
"SEL PTY" (blinking) will appear for about 6 seconds.

3 Within 6 seconds, press the PRESET (✓ or ^) button to select the PTY code.



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

4 Whilst the selected PTY code is displayed (within 6 seconds), press the RDS (ASPM/PTY) button again.



- The unit searches the 20 preset stations and stops when it finds a station of the selected category then tunes into the station. The RDS indicator lights up.
- If no programme is found in the 20 preset stations, "NO PTY" appear on the display and returns to the previous station.

Descriptions of the PTY (Programme Type) codes signal.

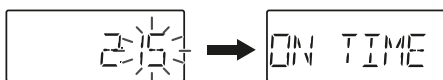
You can search for and receive the following PTY.

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.

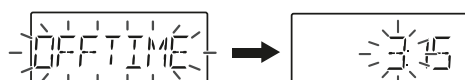
RDS) (continued)

man specialist this category choral works.	COUNTRY	Songs which originate from, or continue the musical tradition of the American Southern States. Characterised by a straightforward melody and narrative story line.
stral works, and including	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.
of the other alist music of re examples.	OLDIES	Music from the so-called "golden age" of popular music.
eteorological	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.
ing, etc.	DOCUMENT	Programme concerned with factual matters, presented in an investigative style.
ng audience, st, rather than	TEST	Broadcast when testing emergency broadcast equipment or receivers.
things that ps. Includes: chology and	ALARM !	Emergency announcement made under exceptional circumstances to give warning of events causing danger of a general nature.
ving a God or ics.	NONE	No programme type (receive only).
pressing their orum.		
with travel to urs and travel or use for delays, or where TP/TA		
onal activities te. Examples ie collecting,		
acterised by		

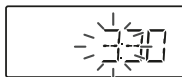
- 5** Press the PRESET (∨ or ∧) button to set minute and then press the CLOCK/TIMER button.



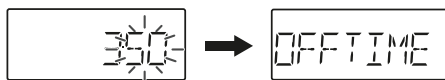
- 6** Switch input with the PRESET (∨ or ∧) button to select "OFF TIME" and then press the CLOCK/TIMER button.



- 7** Press the PRESET (∨ or ∧) button to set hour and then press the CLOCK/TIMER button.



- 8** Press the PRESET (∨ or ∧) button to set minute and then press the CLOCK/TIMER button.



- 9** To select the timer playback source, switch input with PRESET (∨ or ∧) button to select "SOURCE" and then press the CLOCK/TIMER button.



Continued to the next page

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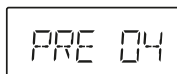
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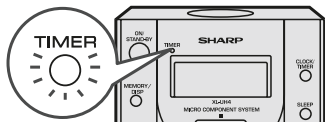
- 14** To select a preset channel number, press the PRESET (✓ or ^) button and then press the CLOCK/TIMER button.



- 15** Press the SLEEP button for more than 2 seconds to activate timer function.

The "TIMER" indicator lights up and the unit is ready for timer playback.

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



- 17** When the preset time is reached, playback will start at the selected playback source.

The volume will increase gradually until it reaches the preset volume at 16.

- 18** When the timer end time is reached, the system will enter the power stand-by mode automatically.

To cancel Timer function:

Press the SLEEP button for 2 seconds. The "TIMER" indicator will disappear.

Notes:

- After selecting the playback source, when press the CLOCK/TIMER button to confirm, it will then return to current playback setting.
- When the preset time is reached, playback will start at current setting if no selected playback source is made.
- The volume cannot be preset during timer operation. It will always go to volume 16.

To confirm the remaining sleep time:

- 1 Whilst "SLEEP" is indicated, press the SLEEP button.
- The remaining sleep time is displayed for about 10 seconds.
- You can change the remaining sleep time whilst it is displayed by pressing the SLEEP button (steps 2 - 3).

To cancel the sleep operation:

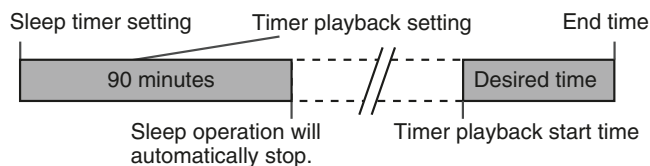
To cancel the sleep operation without setting the unit to the stand-by mode, proceed as follows.

- 1 Whilst "SLEEP" is indicated, press the SLEEP button to select 0 minute.

■ To use timer and sleep operation together**Sleep and timer playback:**

For example, you can fall asleep listening to the radio and wake up to CD in the next morning.

- 1 Set the sleep time (see left, steps 1 - 4).
- 2 Whilst the sleep timer is set, set the timer playback (steps 2 - 10, pages 35 - 36).





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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.
● When a button is pressed, the unit does not respond.	● Set the unit to the power standby mode and then turn it back on. ● If the unit still malfunctions, reset it.
● 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?

■ Condensation

Sudden temperature changes, storage or operation in an extremely humid environment may cause condensation inside the cabinet (CD pickup, 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 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.

■ 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:

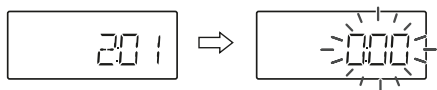
- 1 Set the unit to the stand-by mode and turn the power on again.
- 2 If the unit is not restored in the previous operation, unplug and plug in the unit, and then turn the power on.

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 Press and hold the USB/SD button until the clock setting shows 0:00.



Caution:

This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD programme.

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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 CD pickup lens

Poor performance during CD playback (skipping or jumping) can be caused by a dirty or contaminated CD laser pick up lens. If this happens then the use of a commercially available CD lens cleaning discs may restore normal operation. Contact your supplier or local CD software dealer to obtain CD lens cleaning discs. Ensure all included instructions/documentation are carefully followed.

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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 V, 50 Hz
Power consumption	Power on: 26 W Power stand-by: 0.6 W(*)
Dimensions	Width: 144 mm (5-11/16") Height: 210 mm (8-5/16") Depth: 239 mm (9-7/16")
Weight	2.5 kg (5.5 lbs.)

(*) This power consumption value is obtained when the unit is in the power stand-by mode.

■ Amplifier

Output power	RMS: 16 W (8 W + 8 W) (10% T.H.D.) RMS: 12 W (6 W + 6 W) (0.9% T.H.D.)
Output terminals	Speakers: 4 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms)

■ USB/SD

Class	Mass storage class
Support File	MP3/WMA (do not support DRM file)
Format support	FAT 16 or FAT 32
Bitrate support	MP3 (32 ~ 320 kbps) WMA (64 ~ 160 kbps)
Other	MP3 ID3 - tag only supports version 1.x USB supports version 2.0

■ 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)

■ Tuner

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

Type	2-way type speaker system 5 cm (2") tweeter 13 cm (5-1/8") woofer
Maximum input power	15 W
Rated input power	8 W
Impedance	4 ohms
Dimensions	Width: 135 mm (5-5/16") Height: 242 mm (9-17/32") Depth: 205 mm (8-1/16")
Weight	1.6 kg (3.5 lbs.)/each



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11/16/05, 4:41 PM





MEMO



11/16/05, 4:41 PM



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uarantees to provide for the repair, or at its option the replace-
ditions listed below:-

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y accident, misuse, fair wear and tear, neglect, tampering with
a Service Facility appointed by Sharp.

e domestic use only, the guarantee will not apply if the product
trade or profession.

ault which occurs must be notified to Sharp, or its appointed
the date this product was purchased. Proof of purchase must

ge costs, audio tapes, compact discs or batteries.

equiring repair, please contact the supplier from whom it was
e, please contact the Sharp Customer Information Centre on

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ional benefit to your statutory rights, and does not affect these

s product, or would like information on other Sharp products,
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Centre - Telephone 08705 274277
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ELECTRONICS (U.K) LTD.

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