# **SHARP**

## XL-HF202PH(S) XL-HF202PH(BK) XL-HF302PH(T) **HI FI COMPONENT SYSTEM**

## **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.





 This audio system supports NFC-enabled device with Android 4.1, Jelly Bean and higher. For device with a lower Android version, refer the operation manual of the device for recommendation app (application).

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## Special Note

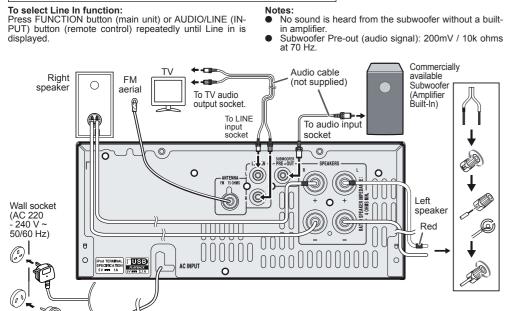
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SHARP CORPORATION



## System connections

## Make sure to unplug the AC power lead before making any connections.



Special Notes			• To pre	event fire or shock	< hazard, do not expose th
<ul> <li>Hereby, SHARP Electronics of Component System XL-HF20 HF302PH(T) is in compliance and other relevant provisions declaration of conformity may http://www.sharp.de/doc/XL-F</li> </ul>	2PH(S)/XL-HF202P with the essential req of Directive 1999/ be consulted at:	H(BK)/XL- juirements 5/EC. The	applia with li appar Do no music	nce to dripping o iquids, such as va atus. t turn the volume o at moderate level	r splashing. No objects fille ases, shall be placed on the on to full at switch on. Listen Is. Excessive sound pressu adphones can cause hearing
<ul> <li>WARNINGS</li> <li>When the ON/STAND-BY I position, mains voltage is when the ON/STAND-BY I position, the unit may be bitimer mode or remote cont</li> <li>This unit contains no use remove covers unless quicontains dangerous voltaging from the socket before when not in use for a long</li> <li>XL-HF202PH(S) Hi Fi Comp</li> <li>XL-HF302PH(T) Hi Fi Comp</li> </ul>	- button is set at S still present inside ought into operat rol. r serviceable para alified to do so. ges, always remo e any service oper period. onent System cons ponent System cons	TAND-BY e the unit. TAND-BY ion by the rts. Never This unit ove mains ration and sisting of XL- nsisting of XL-	PROD This p ensure attern Refer HF202PH(S) HF202PH(E)	UCT. product contains a e continued safety pt to gain access all servicing to qua (main unit) and CP BK) (main unit) and CP	-HF202H (speaker system). CP-HF202H (speaker system)
Accessories The following accessories are	included.				
	$\langle$	0			XLHF202
Remote control x 1	"AA" size b (UM/SUM-3, R6 similar) :	, HP-7 or	Stand	l for iPad x 1	NFC tag x 2

FM aerial x 1

Velcro tape

(hook type) x 2

Velcro tape

(loop type) x 3

3. Disc Tray

5. Pairing Button

6. Volume Control

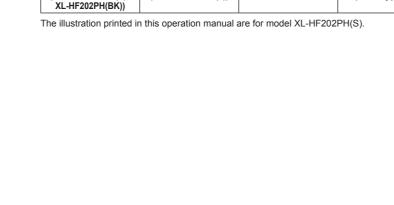
9. USB Terminal

10. Audio In Socket

. On/Stand-by Butto

8. FUNCTION Button

4. Docking Station for iPod or iPhone



Speaker wires x 2

(for XL-HF302PH(T))

Speaker wires x 2

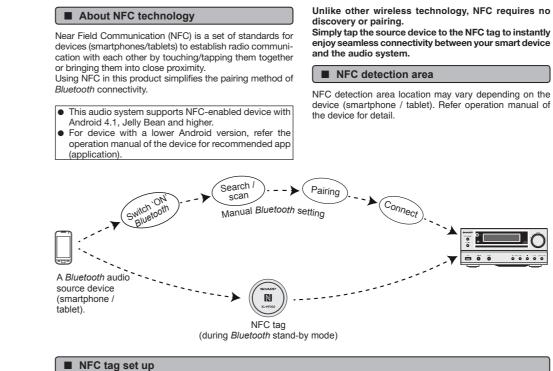
(for XL-HF202PH(S) /

To turn the power on

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



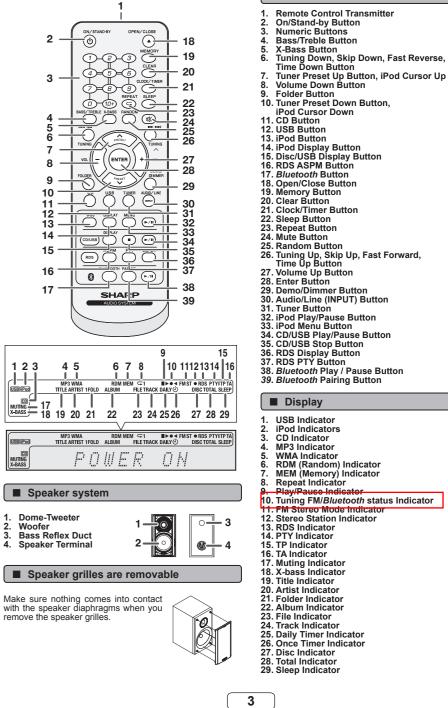
Battery installation	<ul> <li>Notes concerning use:</li> <li>Replace the battery if the operating distance is reduced</li> </ul>
<ul> <li>Open the battery cover.</li> <li>Insert the supplied battery according to the terminal indicated in the battery compartment. When inserting or removing the battery, push it towards the (-) battery terminals.</li> <li>Close the cover.</li> </ul>	<ul> <li>replace the bittery with the operation becomes erratic. Purchases an "AA" size battery (UM/SUM-3, R6, HP-7 or similar).</li> <li>Periodically clean the transmitter on the remote contro and the sensor on the unit with a soft cloth.</li> <li>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.</li> <li>Keep the remote control away from moisture, heat shock and vibrations.</li> </ul>
	Test of the remote control
$\smile$ $\bigcirc$ $\bigcirc$	The remote control can be used within the range shown below:
Caution:	Remote sensor
<ul> <li>Remove the battery if the unit will not be used for a long period of time. This will prevent potential damage due to battery leakage.</li> <li>Do not use rechargeable battery (nickel-cadmium battery, etc.).</li> <li>Installing the battery incorrectly may cause the unit to</li> </ul>	0.2 m - 6 m (8" - 20")
malfunction. Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.	



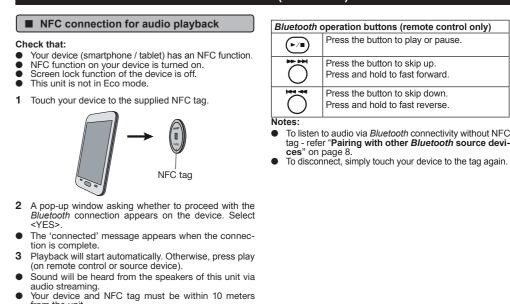
Bluetooth one touch connection via NFC

Precautions		Controls and indicators (continu
General	<ul> <li>Do not place anything on top of the unit.</li> <li>The AC power plug is used as a disconnect device and</li> </ul>	
<ul> <li>Keep your equipment at least 10 cm (4") of free space along the sides, top and back for proper ventilation.</li> <li>10 cm (4") 10 cm (4")</li> <li>Use the unit on a firm, level surface free from vibration.</li> <li>Place the speakers at least 30 cm (12") away from any CRT TV to avoid colour variations across the TV screen. If the variations persist, move the speakers further away from the TV. LCD TV is not prone to such variation.</li> <li>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.</li> <li>Do not expose the unit to moisture, to temperatures higher than 60°C (140°F) or to extremely low temperatures.</li> <li>If the unit does not work properly, unplug and plug it in again. Then turn on the unit.</li> <li>In case of an electrical storm. unplug the unit for safety.</li> <li>Hold the AC power plug by the head when removing it from the wall socket, as pulling the lead can damage internal wires.</li> </ul>	<ul> <li>The AC power plug is used as a disconnect device and shall always remain readily operable.</li> <li>Do not remove the outer cover, as this may result in electric shock. Refer internal service to your local SHARP service facility.</li> <li>The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.</li> <li>No naked flame sources, such as lighted candles, should be placed on the apparatus.</li> <li>Attention should be drawn to the environmental aspects of battery disposal.</li> <li>This unit should only be used within the range of 5°C - 35°C (41°F - 95°F).</li> <li>The apparatus is designed for use in moderate climates.</li> <li>Maring:</li> <li>Maring:</li> <li>Mathematical and the same as that specified on this unit Using a higher voltage is dangerous and may result in a fire or other type of accident causing damage.</li> <li>SHARP will not be held responsible for any damage resulting from such usage.</li> <li>Mathematical a given volume setting depends on speaker efficiency, location and various other factors. It is advisable to avoid exposure to high volume levels, which occurs while turning the unit on with the volume control setting up high, or while continually listening at high volumes. Excessive sound pressure from earphones and headphones can cause hearing loss.</li> </ul>	1         2       000000000000000000000000000000000000
Controls and indicators		1 2 3 4 5 6 7 8 10 111213         HOM MAR       FOM MAR         HUBBREG       HUBBREG         HTELARIST FOLD ALBUM       HETRACK DARYO         HTELARIST FOLD ALBUM       HETRACK DARYO         HUBBREG       HTELARIST FOLD ALBUM         HUBBREG
Front panel	11. Headphone Socket	2. Woofer 1 3. Bass Reflex Duct 4. Speaker Terminal 2
<ol> <li>Remote sensor</li> <li>Timer indicator</li> </ol>	12. Tuner Preset Down, CD/USB,	Speaker grilles are removable

## iPod/iPhone Skip Down Button 13. Tuner Preset Up. CD/USB. iPod/iPhone Skip Up Buttor 14. Disc/USB Stop Button 15. Disc/USB/iPod/iPhone Play or Pause Buttor 16. Disc Tray Open/Close Button



## Bluetooth one touch connection via NFC (continued)



1 2 2 7	)

Connect to the second s	ne FM 75 OH	IMS socket and position it when
	rnal FM aer	ial (75 ohms coaxial cable) fo ect the supplied FM aerial win
lote: Keep the ae void noise p		m the unit or AC power lead t
Speak	ker connec	tion
Speaker terminal	XL-HF202	XL-HF302
+ terminal	red wire	wire with red insulation tube
- terminal	black wire	wire with black insulation tube

Use speakers with an impedance of 4 onms or more, as lower impedance speakers can damage the unit.
 Do not mistake the right and the left channels. The

4

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 E.

into or to be placed in the bass reflex ducts. Do not stand or sit on the Incorrect

speakers. You may be injured.

## Listening to Bluetooth enabled devices (continued) • If this unit or the source device is turned off before Blue-

indicators.					
Indicator	Condition	Bluetooth status			
	Blinks	In waiting or pairing mode			
▶●◀	Lights up	Connected			
No i	ndication	Unconnected			
However, the indication status is not displayed during <i>Bluetooth</i> stand-by mode.					
Pairing with other <i>Bluetooth</i> source devices					

1 Press the ON/STAND-BY button to turn the power on 2 Press the FUNCTION button (main unit) repeatedly or BLUETOOTH button (remote control) to select Blue-

tooth function. "Bluetooth" appears on the display. 3 Press and hold the PAIRING button for 3 seconds or more. "Start Pairing" appears on the display. The unit is now in pairing mode and is ready to be paired with other Bluetooth source device.

4 Perform pairing procedure on the source device to detect this unit. "SHARP XL-HF202" will appear in the detected devices list (if available) in the source device. (Refer the source device operating manual for details)

Notes: • Place the devices to be paired within 1 meter (3 feet) of each other when pairing.

 For various Bluetooth operations, refer "NFC con-• Some source devices are unable to display lists of detected devices. To pair this unit with the source If the source device has an extra bass function or device, refer to the source device operating manual for details. Select "SHARP XL-HF202" from the source list. If

Passcode\* is required, enter "0000" Passcode may be called PIN Code, Passkey, PIN number or Password. 6 "Pair Complete" and then "Connected" appears on the

display once the unit is successfully paired with the in the unit.) Some audio source devices may connect with the unit automatically after pairing is completed, otherwise follow the instructions in the source device operating manual to start connection.

7 Press the play button on main unit, remote control or source device to start Bluetooth connection

Notes

 If a device such as microwave oven, wireless LAN card. Bluetooth device or any other device that uses the same 2.4 GHz frequency near the system some sound interruption may be heard

• The transmission distance of the wireless signal between the device and the main unit is about 10 m (32 '). but may vary depending on your operating environment. If a steel concrete or metallic wall is between the device and the main unit, the system may not operate at all, because the wireless signal cannot penetrate metal.

Display brightness control Press the DEMO/DIMMER button (remote control). →Dimmer 1 (Display is dim). monstration mode Dimmer 2 (Display gets dimmer) e first time the unit is plugged in, it will enter the Dimmer off (Display is bright). etooth stand-by (demonsti y" will be displayed. cancel the *Bluetooth* stand-by (demonstration) ■ Volume auto fade-in de, press the DEMO button (remote control) dur-power stand-by mode. The unit will enter the low ver consumption mode. return to the *Bluetooth* stand-by (demonstration) ode, press the DEMO button again. rring *Bluetooth* stand-by condition, NFC function is ac-Volume control ated once your device touch the supplied NFC tag. Pod or iPhone is docked, the unit will begin chargthe volume. ,. harge Mode" will be displayed. Demonstration mode invalid during charge mode. Muting AC power connection Press again to restore the volume Il connections have been made correctly, plug the Direct key power on function wer lead into the wall socket. Unplug the AC power lead from the wall socket if the unit will not be in use for a prolonged period of time BLUETOOTH, AUDIO IN, LINE IN, TUNER)

13H R MW (1)

iPod or iPhone is not connected) after 15 minutes of inactivty during: Pod: Not docked Audio/Line In: No detection of input signal CD: In the stop mode or no disc. USB: In the stop mode or no media. Bluetooth: In the pause mode on not connected condition However, if iPod or iPhone is docked, the unit will begin charging. "Charge Mode" will be displayed X-Bass control If you turn off and on the main unit with the volume set to 27 or higher, the volume starts at 16 and fades in to the last set level. When the power is first turned on, the unit is in the extra bass mode. "X-BASS" indicator appears. To cancel this mode, press the X-BASS button (remote control). Turn the volume knob towards VOLUME +/- (main unit) or press VOL +/- (remote control) to increase or decrease Bass or Treble control Press the BASS/TREBLE button to select "Bass" or "Treble' 2 Within 5 seconds, press the VOLUME (+ or -) button to adjust the bass or treble. To mute the volume, press the % button (remote control).  $\frac{Treble}{-5\leftrightarrow-4\cdots\leftrightarrow+4\leftrightarrow+5}$ Bass  $-5 \leftrightarrow -4 \cdots \leftrightarrow +4 \leftrightarrow +5$ Function When you press any of the following buttons, the unit turns Press the FUNCTION button repeatedly to select desired • CD, USB, iPod, BLUETOOTH, AUDIO/LINE (INPUT), TUNER, iPod ►/II, CD/USB ►/II, BLUETOOTH ►/III on the  $CD \longrightarrow FM STEREO \longrightarrow FM MONO$ remote control: Selected function is activated. USB • Mu button on the main unit: The unit turns on and Bluetooth playback of the last function will start (CD, USB, iPod, <sup>↑</sup> Line In ← Audio In ← iPod ←

Auto power off function

The main unit will enter the stand-by mode (when iPag

Note: The backup function will protect the memorised function mode for a few hours should there be a power failure or the AC power lead becomes disconnected 5

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

button repeatedly (main unit) to select USB function.

3 Connect the device (Smartphone/Tablet) to the unit.

4 Press the play button (on main unit, remote control or

If the source device has an extra bass or equalizer

Incoming calls will pause the playback/application.

Once the calls are answered, the conversation can only

function, set them to off. If these functions are on,

be heard through the built-in speaker of the cellular

device. Turn on the device speaker or disconnect the

Press the USB button (remote control) or FUNCTION

Android device playback

"USB Media" will be displayed.

sound may be distorted.

Track

Fast

9

forward/

USB Media

The NFC tags can be placed anywhere convenient to you. **1** Peel the separator off the velcro tape (loop type) and The velcro tapes supplied will help to secure the tags onto the desired location.

Velcro

NFC tag

2

Caution • Make sure that the NFC tag is placed on a flat and level • If you choose not to use the velcro tape, do not place the NFC tag near metal surface to avoid connection interference during tagging.

Important: • NFC tag has unique ID for each individual set, SHARP provides 2 identical tags for your convenience. • SHARP will not be held liable for the damages caused by rewriting the tags.

Listening to the iPod, iPhone or iPad

Update your iPod, iPhone and iPad unit to the latest soft-

ware version before using them. Visit Apple's homepage to download the latest version.

• Charging terminal for iPod, iPhone and iPad:

iPod touch (5th generation)

iPod touch (4th generation) iPod touch (3rd generation) iPod touch (2nd generation)

iPod touch (1st generation)

iPod nano (7th generation)

iPod nano (6th generation iPod nano (6th generation iPod nano (5th generation

iPod nano (4th generation

iPod nano (2nd generation)

USB

YES

NO

iPod nano (3rd generation

iPod classic

DOCK

NO

YES

Keep all small parts away from children as they may be accidentally swallowed.

6

FUNCT

will appear.

Note for iPhone playback:

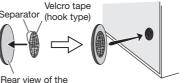
mately 10 seconds



Separator

2 Peel the separator off the velcro tape (hook type) and stick it to the rear of the NFC tag. Then place the tag onto the desired location

**Y** = 5 5



È O O O O O ⊂ →

SHARP

iPod, iPhone or iPad playback (USB terminal)

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

2 Press the USB button (remote control) or FUNCTION

button repeatedly (main unit) to select USB function.

Track number

3 Connect iPod, iPhone or iPad to the unit. "USB/iPod"

USB∕iPod 🖙 <u>T</u>RACK

4 Press the ►/II (CD/USB ►/II) button to start playback

(Q)

PREBRY

PREMT

■ Bluetooth Bluetooth wireless technology is a short-range radio technology that enables wireless communication between

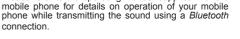
Listening to Bluetooth enabled devices

from the unit

various types of digital devices, such as mobile phone or computer. It operates within a range of about 10 meters (30 feet) without the hassle of having to use cables to connect these devices. This unit supports the following:

Communication System: Bluetooth Specification version 2.1 Bluetooth + Enhanced Data Rate (EDR). Support Profile : A2DP (Advanced Audio Distribution Profile) and AVRCP (Audio/Video Remote Control Profile) Notes when using unit with a mobile phone • This unit cannot be used to talk over the telephone even

when there is a Bluetooth connection made to a mobile Please refer to the operating manual supplied with the



ON / STAND-BY õõ Ö 00000

unctions

Operation

Remote control

■ Pairing *Bluetooth* devices Bluetooth devices need to be initially paired first before they can exchange data. Once paired, it is not necessary to pair them again unless • pairing is made with more than 8 devices. Pairing can only be made one device at a time. This unit can be

paired to a maximum of 8 devices. If subsequent device is paired, the oldest device paired, will be deleted and replaced with the new one • this unit is reset. All pairing information is deleted when

unit is reset. • pairing information is deleted while re-pairing, etc.

**7** 

## Listening to the iPod, iPhone or iPad (continued)

~						
2	Dock your iPod or iPhone into the unit.	🔳 Var	ious iPod,	iPhon	e and i	Pad
	iPhone (bottom)	Function	Main unit	Remote	control	(
	IFIIOIre		Dock/USB	Dock	USB	
	Lightning connector	Play	<b>*</b>	iPod	CD/USB	Press mode
		Pause	$\bigcirc$	<b>►/II</b>	►/II)	Press playb
	Lightning connector Dock for iPhone	Track up/ down		N N N N N N N N N N N N N N N N N N N	ł	Press playb mode the bu pause the bu start t track.
$\left[ \right]$	■ iPod or iPhone playback (Dock)	Fast forward/				Press
2	Press the ON/STAND-BY button to turn the power on. Press the iPod button on the remote control or FUNCTION button repeatedly on the main unit to select iPod function. Insert iPod or iPhone unit into the dock of main unit.	reverse				playb Relea buttor playb
	"Dock Ok" will appear. Press the ►/װ (iPod ►/॥) button to start playback.	Display				Press iPod i
	To disconnect iPod, iPhone or iPad	Repeat		REP	EAT	Press
or	mply remove the iPod or iPhone from the docking station iPad connector from USB terminal. It is safe to do so ren during playback.	Shuffle				repea Press
ev					$\supset$	shuffl
	Navigating the iPod, iPhone or iPad menus	Menu		iP	od	Press
1	or iPad unit. Press it again to go back to previous menu.					iPod i iPod f
	Use the PRESET ( $\checkmark$ or $\land$ ) button to select an item on the menu and then press ENTER button.	Enter			TER	Press select
W m or th	hen navigating the iPod, iPhone or iPad menu with re- ote control, do not operate any of the buttons on the iPod iPhone unit. The volume level is adjusted by pressing e VOL (+ or –) button on the main unit or the remote introl. Adjusting the volume on the iPod, iPhone or iPad	Cursor Up/ Down		0	~	Press iPod i
	its give no effect.					
	od, iPhone and iPad operations:					
τŀ iP	ne operations described below depend on the generation od, iPhone and iPad you are using.					

## System on operation

When the main unit is powered on, the iPod, iPhone or iPad units will automatically power on when docked or connected to the unit. System off (stand-by operation):

When the main unit is turned to stand-by mode, the docked iPod, iPhone or connected iPad unit will automatically turn to stand-by mode.

Auto power on During Bluetooth Stand-by mode, when music is played from your device, the unit will automatically power on when the Bluetooth connection has been set up between the main unit and your device and they remain connected

This function is not applicable during Demonstration mode off.

ar de al	tts in the USB accessory role. Android USB accessories e specifically designed to attach to Android-powered wices and adhere to the Open Accessory Protocol, that ows them to detect Android-powered devices that support ccessory mode.
1	Insert the connector to the device.
	(Smartphone/Tablet) Connector
2	Connect the device to the main unit via USB connector.

Listening on Android<sup>™</sup> devices

Open Accessory support allows external USB hardware

(an Android USB accessory) to interact with an Android-

Android-powered device is in accessory mode, the con-

nected accessory acts as the USB host (powers the bus

and enumerates devices) and the Android-powered device

(not supplied)

powered device in a special accessory mode. When an

Introduction : Open Accessory

• Make the Bluetooth connection again if the source device is not turned on, or its Bluetooth functionality is off or is in sleep mode.

## To disconnect the *Bluetooth* device

Perform any of the followings. - Disconnect the Bluetooth connection on the audio source device. Refer the operating manual supplied with the device - Turn off the Bluetooth stereo audio source device

equalizer function, set them to off to avoid sound

tooth connection is completed, pairing will not be com-

pleted and the pairing information will not be memo-

rised. Repeat step 1 onwards to start pairing again.

• To pair with other devices, repeat steps 1 - 5 for each

device. This unit can be paired to a maximum of 8 de-

vices. If subsequent device is paired, the oldest device

paired, will be deleted and replaced with the new one.

the pairing information for the device is also deleted. To

listen to the sound from the device again, it needs to be

re-paired. Perform steps 1 - 5 to pair the device again.

Listening to the sound

stereo audio source device.

4 Press the BLUETOOTH ►/II button

Unit is in connected mode

distortion.

8

12

The source device Bluetooth functionality is ON.

• Pairing of this unit and the source device is completed.

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

2 Press the FUNCTION button to select Bluetooth func-

3 Start the Bluetooth connection from the Bluetooth

nection for audio playback" on page 7.

Check that

Once a device is ousted or deleted from the pairing list.

- Turn off this unit. The volume of this unit may not be controlled as intended depending on the device.

JSB function device to start conversation Other function (Bluetooth/CD/Tuner/ USB/iPod/Audio/Line in) To disconnect the Android device Bluetooth Stand-by YES NO Quit the application (apps). 2 Disconnect the device from the USB terminal. Various functions Function Remote control Operation Press in the playback or stop mode. If you press the button in the stop mode, press the ►/II button to start the sired track. Press and hold down in the playback mode. Release the button to esume playback

Notes: • If non-compatible device is detected, "Dev No Support" will be displayed.

 $\bigcirc$ 

• Controls (play/pause/skip up/skip down) will function based on actual Applications (Apps) controls used on Android devices.

Android is a trademark of Google Inc.

• The message "This accessory is not made to work with iPhone" or similar, may appear on the iPhone screen when: - battery is low. - the iPhone is not properly docked (eg. slanting). If this occurs, remove and re-dock the iPhone. The headphone output is switched off during inserting iPod. iPhone and iPad unit. This is an Apple product specification ■ iPod, iPhone and iPad connection (USB only) 1 Insert the connector to the iPod, iPhone or iPad. iPad Connector 12

Made for:

iPhone 5

iPhone 4S iPhone 4 iPhone 3GS

iPhone 3G

iPad (4th generation) iPad mini iPad (3rd generation) iPad 2

Condition

iPhone

iPad

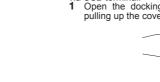
Caution

2 Place the iPad to the stand for iPad.

iPad Caution

Stand for iPad

**3** Connect the iPod, iPhone or iPad to the unit via USB Ē



10



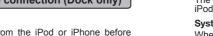
USB

	DOCK/USD	DOCK	030	
Play	×/I	iPod	CD/USB	Press in the pause mode.
Pause	$\bigcirc$	(►/II)	(►/II)	Press in the playback mode.
Track up/ down				Press in the playback or pause mode. If you press the button in the pause mode, press the <b>b</b> / <b>II</b> button to start the desired track.
Fast forward/ reverse			_	Press and hold down in the playback mode. Release the button to resume playback.
Display				Press to display iPod information.
Repeat		REPEAT		Press to toggle repeat mode.
Shuffle				Press to toggle shuffle mode.
Menu		iPod MENU		Press to view the iPod menu during iPod function.
Enter		EN	TER	Press to confirm the selection.
Cursor Up/ Down				Press to select the iPod menu.

## Note: Whe mote or iPh the V



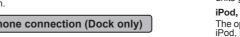
iPod,





after authentication process is completed in approxi-Incoming calls will pause the playback. Once the calls will passe the physical of the conversation can only be heard through the built-in iPhone speaker.

Turn on the iPhone speaker or undock the iPhone to



■ iPod and iPhone connection (Dock only)

Unplug all accessories from the iPod or iPhone before inserting it into the dock.

Note: Docking station is for iPod touch (5th generation), iPod nano (7th generation) and iPhone 5 connection only. Other

Apple products (iPod, iPhone and iPad) can be connected via USB terminal. Open the docking station for iPod and iPhone by

played back when connected to the USB terminal

This USB memory's format supports FAT 16 or FAT 32.

SHARP cannot guarantee that all USB memory de-

the USB cable will affect the performance of this au-

dio system. iPod, iPhone and iPad is not prone to this

This USB memory cannot be operated via USB hub.

The USB terminal in this unit is not intended for a PC

If the data inside the USB memory is large, it may take

External HDD-storage cannot be played back via USB

able file is played on this product, "Not Support" is in-

dicated and the file will be automatically skipped. This

will take a few seconds. If abnormal indications appear

on the display due to the unspecified file, turn off the

unit and then turn it on again. This product relates to USB mass storage devices

and MP3 players. It may however face some irregu-

larities due to various unforeseen reasons from some

devices. Should this happen, turn off the unit and then

vices will work on this audio system.

longer time for the data to be read.

condition.

connection

turn it on again.

terminal

## Listening to a CD or MP3/WMA disc

123

4 5 6

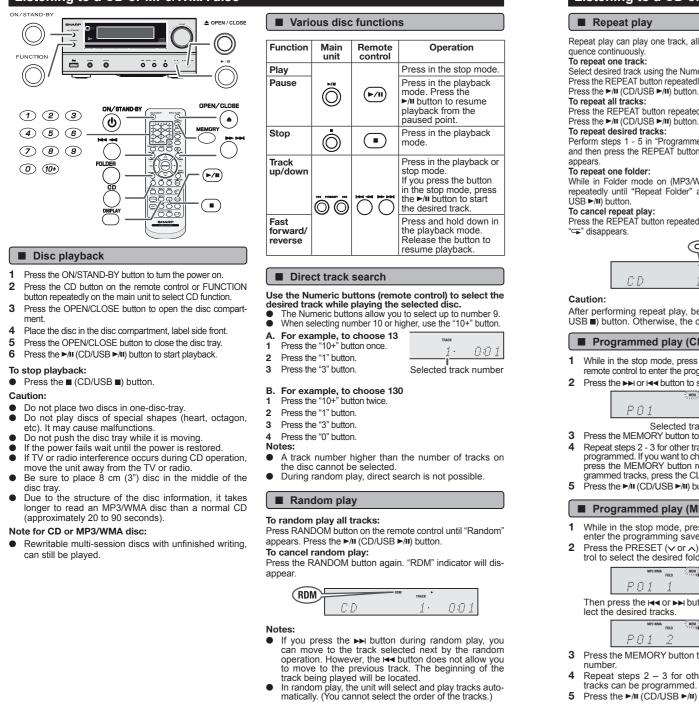
789

0 10+

ment

Caution:

To stop playback

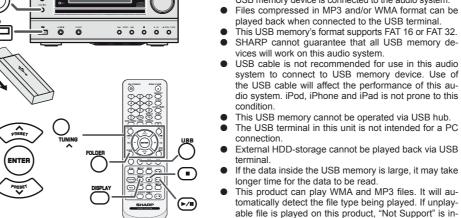


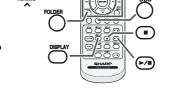
### Listening to a CD or MP3/WMA disc (continued) To cancel the programmed play mode: During programmed stop mode, press the ■ (CD ■) button. The display will show "Memory Clear" and all the pro-Repeat play can play one track, all tracks or a programmed segrammed contents will be cleared. Adding tracks to the programme Select desired track using the Numeric buttons. If a programme has been previously stored, the "MEM" Press the REPEAT button repeatedly until "Repeat One" appears. ndicator will be displayed. Press the MEMORY button Press the ►/II (CD/USB ►/II) button. Then follow steps 2 - 3 to add tracks. Press the REPEAT button repeatedly until "Repeat All" appears. Notes Press the ►/II (CD/USB ►/II) button. • When the disc compartment is opened, the programme Perform steps 1 - 5 in "Programmed play" section on this page and then press the REPEAT button repeatedly until "Repeat All" s automatically cancelled • If you press the ON/STAND-BY button to enter the stand-by mode or change the function from CD to another, the programmed selections will be cleared. • During the programme operation, random play is not While in Folder mode on (MP3/WMA), press REPEAT button repeatedly until "Repeat Folder" appears. Press the ▶/II (CD/ possible Procedure to playback MP3/WMA disc Press the REPEAT button repeatedly until "Normal" appears and with folder mode on To play back CD-R/RW. Ŧ Press the CD button on the remote control, and load an MP3/WMA disc. Press the FOLDER button and disc info will be displayed. 15-15:11 CDMP3 indicator WMA indicator TOTAL indicator After performing repeat play, be sure to press the (CD/ FILE 1700;80 USB ■) button. Otherwise, the disc will play continuously. Programmed play (CD) Total number of folder Total number of files 2 Press the PRESET ( $\checkmark$ or $\land$ ) button to select desired 1 While in the stop mode, press the MEMORY button on the playback folder. (Folder mode on) remote control to enter the programming save mode. 2 Press the ►►I or I button to select the desired track. FOLDER -MP3 WMA MEM - TRACK 0.01PO11431 Selected track number FOLDER number First track number in 3 Press the MEMORY button to save the track number. the folder 4 Repeat steps 2 - 3 for other tracks. Up to 32 tracks can be **3** Select desired file to be played back by pressing the programmed. If you want to check the programmed tracks, press the MEMORY button repeatedly. To clear the pro-grammed tracks, press the CLEAR button. Idd or ►►I button. Press the ►/II (CD/USB ►/II) button. Playback will start and file name will be displayed Press the ►/II (CD/USB ►/II) button to start playback. • Title, Artist and Album name are displayed if they Programmed play (MP3/WMA) are recorded on the disc. In case of playback with the folder mode on, press 1 While in the stop mode, press the MEMORY button to the PRESET ( $\checkmark$ or $\land$ ) button, and the folder can enter the programming save mode be selected even though it is in playback/pause 2 Press the PRESET (v or A) button on the remote conmode. It will continue playback/pause mode in the trol to select the desired folder 1st track of the selected folder. MP3 WMA - MEM - FOLD FOLD • Display content can be changed by pressing the 5-S 0 N G S P01 1 CD/USB DISPLAY button. Then press the Idd or IDD button (remote control) to select the desired tracks T. MP3 WMA - MEM - MEM - FOLD Counter display Title display P01 2 SWE AR L Album display ← Artist display ↓ **3** Press the MEMORY button to save the folder and track

If "Not Support" is displayed, it means "Copyright protected 4 Repeat steps 2 – 3 for other folder/tracks. Up to 32 WMA file" or "Not supported playback file" is selected. 5 Press the ►/II (CD/USB ►/II) button to start playback.

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## Listening to USB mass storage device/MP3 player • SHARP will not be held liable for the loss of data while the USB memory device is connected to the audio system. Files compressed in MP3 and/or WMA format can be





This product is not compatible with MTP and AAC file systems from USB mass storage device or MP3 player.

```
To play back USB/MP3 player with folder
  mode on / off
```

1 Press the USB button (remote control) or FUNCTION button (main unit) repeatedly to select USB function • During CD function, MP3 player will not be charging. Connect the USB memory device that has MP3/WMA format files on the unit. When the USB memory is con-The following functions are the same as CD operations: nected to the main unit, the device information will be displayed. Direct track search To playback with folder mode on follow step 2 below Repeat play To playback with folder mode off, skip to step 3 below. 2 Press the FOLDER button, and press the PRESET (v or Random play Programmed play (MP3/WMA) button to select desired playback folder. To start play back, go to step 4. To change the playback folder, press the PRESET ( $\checkmark$  or  $\land$ ) button to select another folder. **3** Select desired file to be played back by pressing the If USB memory device is not connected, "USB No Media" Idd or ►►I button. will be shown on the display. 4 Press the ►/II (CD/USB ►/II) button. Playback will start and the file name will be displayed • This unit only supports "MPEG-1 Audio Layer-3" for- Title. Artist and Album name are displayed if they mat. (Sampling Frequency is 32, 44.1, 48kHz) are recorded in the USB memory device. Playback order for MP3 files may differ depending on • Display content can be changed by pressing the the writing software used during file download CD/USB DISPLAY button. Bitrate which is supported by MP3 is 32~320 kbps, Note: WMA is 64~160 kbps. Files without MP3/WMA format cannot be played back. To pause playback: Press the ►/II (CD/USB ►/II) button Plavlists are not supported on this unit. This unit can display Folder Name or File Name up to ■ To remove USB memory device 32 characters. • Total number of folders read is 999 including folder

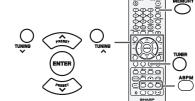
 Press the ■ (CD/USB ■) button to stop playback 2 Disconnect USB memory device from the USB terminal.

14

with non-playable file. However, the display shows only folder with MP3/WMA files. The display playback time may not be displayed corectly 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.

## Listening to the radio

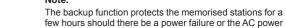




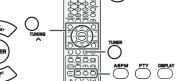
4 Within 30 seconds, press the MEMORY button to store that station in memory. If the "MEM" and preset number indicators disappear before the station is memorised epeat the operation from step 2.

5 Repeat steps 1 - 4 to set other stations, or to change a preset station. When a new station is stored in the memory, the station previously memorised for that preset channel number will be erased.

Press and hold the PRESET (v or v) button to select the



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To scan the preset stations Press and hold the PRESET (v or A). button until the preset number flashes. The programmed stations will be tuned in sequentially, for 5 seconds each. Press the PRESET ( or ) bbutton again when the desired station is located.

■ To erase entire preset memory

To recall a memorised station

lead become disconnected.

desired station.

Press the ON/STAND-BY button to turn the power on 2 Press the FUNCTION button (main unit) repeatedly or TUNER button (remote control) to select Tune function 3 In Tuner function press and hold the CLEAR button

● Auto tuning: Press and hold the TUNING (∨ or ∧) button. Scanning will (remote control) until "Tuner Clear" appears. start automatically and the tuner will stop at the first receiv-CLEAR able broadcast station.

### Notes:

Page

.. 12

.. 13

.. 12

. 13

Tuning

3 • Manual tuning:

in to the desired station

• When radio interference occurs, auto scan tuning may stop automatically at that point. Auto scan tuning will skip weak signal stations.

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

2 Press the TUNER button (remote control) of

FUNCTION button (main unit) repeatedly to select FM Stereo or FM Mono.

Press the TUNING (v or v) button repeatedly to tune

- To stop the auto tuning, press the TUNING (∨ or ∧)
- When an RDS (Radio Data System) station is tuned in, the frequency will be displayed first, and then the RDS in-dicator will light up. Finally, the station name will appear. • Full auto tuning can be achieved for RDS stations "ASPM", see page 16.

### To receive an FM stereo transmission:

● Press the TUNER button to select stereo mode. "ST" indicator will be displayed. "►••" and "•" will appear when an FM broadcast is in stereo.
If the FM reception is weak, press the TUNER button to extinguish the "ST" indicator. The reception changes to monaural, and the sound becomes clearer.

## Memorising a station

You can store 40 FM stations in memory and recall them at the push of a button. (Preset tuning) Perform steps 2 - 3 in "Tuning".



3 Within 30 seconds, press the PRESET (v or A) button to select the preset channel number. Store the stations in memory, in order, starting with preset channel 1.



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Tuner Clear

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."

"PTYI" (Dynamic PTY Indicator) will appear whilst the Dynamic PTY station is received.

> 8880MHz FΜ

## Usi

kept there

Using the Radio Data System (RDS) (c	ontinued)
Information provided by RDS	<ul> <li>Notes:</li> <li>If the same station is broadcasting on different frequencies, the strongest frequency will be stored in memory.</li> </ul>
You can control the RDS by using the buttons on the remote control only.	<ul> <li>Any station which has the same frequency as the one stored in memory will not be stored.</li> <li>If 40 stations have already been stored in memory, the</li> </ul>
Each time the RDS DISPLAY button is pressed, the display will switch as follows:	<ul> <li>scan will be aborted. If you want to redo the ASPN operation, erase the preset memory.</li> <li>If no station have been stored in memory, "END" will</li> </ul>
$BBC R1 \Rightarrow NEUS$	<ul> <li>appear for about 4 seconds.</li> <li>If the RDS signals are very weak, station names may not be stored in memory.</li> <li>The same station name can be stored in differen</li> </ul>
Station name (PS) Programme type (PTY)	<ul> <li>The same station name can be stored in different channels.</li> <li>In a certain area or during certain time periods, the station names may be different.</li> </ul>
<i>FM</i> 9880MHz	Notes for RDS operation
When tuning in to a station other than an RDS station or to an RDS station which sends weak signal, the display will	If any of the following events occur, it does not mean that the unit is faulty:
change in the following order:	<ul> <li>"PS", "No PS" and a station name appear alternately and the unit does not operate properly.</li> <li>If a particular station is not broadcasting properly or a</li> </ul>
$ \xrightarrow{\text{No PS}} \xrightarrow{\text{No PTY}} \xrightarrow{\text{No PTY}} \xrightarrow{\text{No PTY}} \xrightarrow{\text{No RT}} $	<ul> <li>station is conducting tests, the RDS reception function may not work properly.</li> <li>When you receive an RDS station whose signal is too weak, information like the station name may not be</li> </ul>
	<ul> <li>displayed.</li> <li>"No PS", "No PTY" or "No RT" will flash for about \$ seconds, and then the frequency will be displayed.</li> </ul>
Using the Auto Station Programme Memory (ASPM)	Notes for radio text:
While in the ASPM operation mode, the tuner will auto- matically search for new RDS stations. Up to 40 stations can be stored.	<ul> <li>The first 14 characters of the radio text will appear for 4 seconds and then they will scroll across the display.</li> <li>If you tune in to an RDS station which is not broadcast ing any radio text, "No RT" will be displayed when you switch to the radio text position.</li> </ul>
1 Press the TUNER button (remote control) or FUNC- TION button (main unit) repeatedly to select TUNER function.	<ul> <li>While radio text data is received or when the text con tents change, "RT" will be displayed.</li> </ul>
2 Press and hold the RDS ASPM button.	To recall stations in memory
1 After "ASPM" has flashed for about 4 seconds, scanning will start (87.50 - 108.00 MHz).	To specify programmed types (news, sports, traffic programme, etc) and select stations (PTY search):
<u></u>	<ol> <li>Press the TUNER button (remote control) or FUNCTION button (main unit) repeatedly to select TUNER function</li> <li>Press the RDS PTY button.</li> </ol>
2 When an RDS station is found, "RDS" will appear for a short time and the station will be stored in memory.	SELECT $\Leftrightarrow$ PTY TI
FM 88.00MHz	"SELECT" and "PTY TI" will appear alternately for abou 6 seconds.
3 After scanning, the number of stations stored in memory will be displayed for 4 seconds, and then "END" will appear for 4 seconds.	3 Within 6 seconds, press the TUNING (✓ or ∧) button to select the programme type.
	-NEUS-

FΝΠ Each time the button is pre-To stop the ASPM operation before it is complete: appear. If the button is he Press the RDS ASPM button while it is scanning for stations. onds, the programme type The stations which are already stored in memory will be

Troubleshooting

Symptom

• When a button is

No sound is heard.

Remote control

not respond.

The clock is not set to the correct time

pressed, the unit does



centre.

General

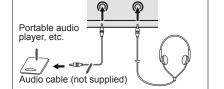
## Enhancing your system

08 MEMORY 🖙

If something is wrong with t The connection lead is not included. Purchase a commerbefore calling your authori cially available lead as shown

y available	leau	as shown below.
	SHARP 0 0	





# Listening to the playback sounds of portable audio player, etc.

**1** Use a connection lead to connect the portable audio player, etc. to the AUDIO IN socket. **2** Press the ON/STAND-BY button to turn the power on.

3 Press the AUDIO/LINE (INPUT) button (remote control) or FUNCTION button repeatedly (main unit) to select AUDIO IN function.

essed, the programme type will down for more than 0.5 sec- will appear continuously.	
eld down for more than 0.5 sec-	
g chart Troubleshooting char	rt (continue
this product, check the following rised SHARP dealer or service	
	Possible cause
produced. • The conn	device is not play device is not prop nected to the unit. AC power lead of
A power failure occurred.     unit i	is not plugged in. device is not mak
	contact with the U
stand-by mode and then turn it back on.	
If the unit still     malfunctions, reset it.	
(Refer page 22) Symptom	Possible cause iPod, iPhone or iF
"Min". produced. not p	playing.
	iPod, iPhone or iF properly connecte
The speaker wires are not connected.     Is the	unit. e AC power lead (
The unit is too for from the unit is too for from the unit is too for from the unit is too for form the unit is too	plugged in?
■ IPod, IPnohe or IPad	iPod, iPhone or iF naking full contac
the Bluetooth stereo audio	connector. g iPod (3rd
gene	eration). iPod or iPhone is
supp	ported. Refer to pa or compatible mod
Possible cause         • "This accessory is         • The	iPhone battery is
	se charge the iPh ne is not properly ced.

eshooting	g chart (continued)	17		
Accessory			USB	
nntom	Possible squae		Sumatom	Possible source
nptom d is d.	Possible cause The device is not playing. The device is not properly connected to the unit. The AC power lead of the unit is not plugged in.		Symptom     Device cannot be detected.	Possible cause • Is there any MP3/WMA file available? • Is the device properly connected? • Is it an MTP device?
vill not	<ul> <li>The device is not making full contact with the USB terminal.</li> </ul>		Playback does not	<ul> <li>Does the device contain AAC file only?</li> <li>Is it a copyright protected</li> </ul>
, iPhone or i	Pad		start.	<ul><li>● Is it a copyright protected WMA file?</li><li>● Is it a false MP3 file?</li></ul>
nptom d is d.	Possible cause The iPod, iPhone or iPad is not playing. The iPod, iPhone or iPad is		<ul> <li>Wrong time display.</li> <li>Wrong file name display.</li> </ul>	<ul> <li>Is Variable Bitrate file being played back?</li> <li>Is the File Name written in Chinese or Japanese characters?</li> </ul>
	not properly connected to the unit.			·
	<ul> <li>Is the AC power lead of the</li> </ul>		Tuner	
one or iPad	unit plugged in? The iPod, iPhone or iPad is		Symptom	Possible cause
harge.	<ul> <li>The IPOR, in home on Pad is not making full contact with the connector.</li> <li>Using IPOd (3rd generation).</li> <li>The IPOd or iPhone is not supported. Refer to page 10 for compatible models.</li> <li>The IPOne battery is low.</li> </ul>		The radio makes unusual noises continuously.	<ul> <li>The unit placed near a TV or computer.</li> <li>The FM aerial is not placed properly. Move the aerial away from the AC power lead if it is located nearby.</li> </ul>
naeeony ie	🗖 I ha iPhona hattary is low			

Using the Radio Data System (RDS) (continued

⇒ search

4 While the selected programme type is flashing (within 6 seconds), press the RDS PTY button

After the selected programme type has been lit for 2 sec-

onds, "SEARCH" will appear, and the search operation will

• If the display has stopped flashing, start again from

If you want to listen to the same programme type of another station, press the RDS PTY button while the

If no station can be found, "NOT FOUND" will appear for 4 seconds.

If you select the traffic programme (TP) in step 3, "TP"

(This does not mean that you can listen to the traffic infor-

When the traffic information is broadcast, "TA" will appear.

step 2. If the unit finds a desired programme type, the corresponding channel number will lit for about 8 seconds, and then the station name will remain lit.

channel number or station name is flashing. The unit

again.

start.

Notes:

NEWS

will look for the next station

If you select the traffic programme:

mation at that time.)

Programme) and TA (Traffic Announcement)         POP M       SOCIAL       FOLK M         RS       ROCK M       RELIGION       DOCUMENT         EASY M       PHONE IN       TEST       ILIGHT M       TRAVEL       ALARM         TTE       CLASSICS       LEISURE       NONE       NONE       Image: Constraint of the state of t	<ul> <li>Timer playback:</li> <li>The unit turns on and plays the desired source (CD, TUN-ER, USB, iPod, AUDIO IN, LINE IN) at a preset time.</li> <li>This unit has 2 types of timer: ONCE TIMER and DAILY TIMER.</li> <li>Once timer ("O" indicator):</li> <li>Once timer play works for one time only at a preset time.</li> <li>Daily timer ("DAILY" indicator):</li> <li>Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.</li> <li>Using the once timer and daily timer in combination:</li> </ul>
ATE       CLASSICS       LEISURE       NONE         A       OTHER M       JAZZ       TP         RE       WEATHER       COUNTRY       TA         CE       FINANCE       NATION M         D       CHILDREN       OLDIES         In this example, the clock is set for the 24-hour (0:00) display.         1       Press the ON/STAND-BY button to turn the power on.	<ul> <li>ER, USB, iPod, AUDIO IŇ, LINE IN) at a preset time.</li> <li>This unit has 2 types of timer: ONCE TIMER and DAILY TIMER.</li> <li>Once timer ("②" indicator):</li> <li>Once timer play works for one time only at a preset time.</li> <li>Daily timer ("DAILY" indicator):</li> <li>Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.</li> </ul>
ATE       CLASSICS       LEISURE       NONE         A       OTHER M       JAZZ       TP         RE       WEATHER       COUNTRY       TA         CE       FINANCE       NATION M         D       CHILDREN       OLDIES         In this example, the clock is set for the 24-hour (0:00) display.         1       Press the ON/STAND-BY button to turn the power on.	This unit has 2 types of timer: ONCE TIMER and DAILY TIMER.         Once timer ("⊙" indicator):         Once timer play works for one time only at a preset time.         Daily timer ("DAILY" indicator):         Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.
ATE       CLASSICS       LEISURE       NONE         A       OTHER M       JAZZ       TP         RE       WEATHER       COUNTRY       TA         CE       FINANCE       NATION M         D       CHILDREN       OLDIES         In this example, the clock is set for the 24-hour (0:00) display.         1       Press the ON/STAND-BY button to turn the power on.	TIMER. Once timer ("⊘" indicator): Once timer play works for one time only at a preset time. Daily timer ("DAILY" indicator): Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.
CE       FINANCE       NATION M         O       CHILDREN       OLDIES         In this example, the clock is set for the 24-hour (0:00) display.         1       Press the ON/STAND-BY button to turn the power on.	Once timer ("⊙" indicator): Once timer play works for one time only at a preset time. Daily timer ("DAILY" indicator): Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.
CE       FINANCE       NATION M         O       CHILDREN       OLDIES         In this example, the clock is set for the 24-hour (0:00) display.         1       Press the ON/STAND-BY button to turn the power on.	Once timer play works for one time only at a preset time. <b>Daily timer ("DAILY" indicator):</b> Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.
CE       FINANCE       NATION M         O       CHILDREN       OLDIES         In this example, the clock is set for the 24-hour (0:00) display.         1       Press the ON/STAND-BY button to turn the power on.	Daily timer ("DAILY" indicator): Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.
D       CHILDREN       OLDIES         In this example, the clock is set for the 24-hour (0:00) display.         1       Press the ON/STAND-BY button to turn the power on.	Daily timer play works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.
D       CHILDREN       OLDIES         In this example, the clock is set for the 24-hour (0:00) display.         1       Press the ON/STAND-BY button to turn the power on.	that we set. For example, set the timer as a wake-up call every morning.
1 Press the ON/STAND-BY button to turn the power on.	Using the once timer and daily timer in combination:
1 Press the ON/STAND-BY button to turn the power on.	
	For example, use the once timer to listen to a radio pro-
2 Press the CLOCK/TIMER button.	gramme, and use the daily timer to wake up.
3 Within 10 seconds, press the ENTER button. To adjus	
the day, press the i◄< or ▶> button and then press the ENTER button.	1 minute or more
4 Press the I◄< or ►→ button to select 24-hour or 12-hou display and then press the ENTER button.	
$  "0:00" \rightarrow \text{The 24-hour display will appear.} $ $ (0:00 - 23:59) $ $ (0:00 - 23:59) $	Start Stop Start Stop
"AM 12:00" → The 12-hour display will appear. ↓ (AM 12:00 - PM 11:59) "AM 0:00" → The 12-hour display will appear.	Timer playback
(AM 0:00" → The 12-hour display will appear. (AM 0:00 - PM 11:59)	Before setting timer:
5 To adjust the hour, press the l≪d or ►H button and ther press the ENTER button. Press the l≪d or ►H button once	<ul> <li>Check that the clock is set to the correct time. If it is not set, you cannot use the timer function.</li> <li>For timer playback: Plug in USB or load discs or dock</li> </ul>
to advance the time by 1 hour. Hold it down to advance continuously.	iPod to be played.
6 To adjust the minutes, press the I⊲ or ➤→I button and then press the ENTER button. Press the I⊲ or ➤→I buttor once to advance the time by 1 minute. Hold it down to	<b>1</b> Press the ON/STAND-BY button to turn the power on.
advance the time by 5 minutes interval. <b>To confirm the time display:</b>	3 Within 10 seconds, press the I∢ or ►► button to select "Once" or "Daily", and press the ENTER button.
Press the CLOCK/TIMER button. The time display will ap pear for about 5 seconds.	"Timer Set", and press the ENTER button.
<b>Note:</b> When power supply is restored after unit is plugged in agair or after a power failure, reset the clock.	5 To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the I≪ or ► button. Press the ENTER button.
To readjust the clock:	When you select the tuner, select a station by pressing
Perform "Setting the clock" from step 1. If the "Clock" does not appear in step 2, step 4 (for selecting the 24-hour or 12	
hour display) will be skipped. <b>To change the 24-hour or 12-hour display:</b>	6 To adjust the day, press the I◄< or ►►I button and then press the ENTER button.
<ol> <li>Clear all the programmed contents. [Refer to "Factory reset, clearing all memory" on page 22 for details.]</li> </ol>	I or be button and then press the ENTER button.
<b>2</b> Perform "Setting the clock" from step 1 onwards.	8 To adjust the minutes, press the I≺ or ► button and then press the ENTER button.
	<b>9</b> Set the time to finish as in steps 7 and 8 above.
	10 Adjust the volume using the VOLUME control, and then
	press the ENTER button. 11 Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.



Troubleshooting chart (continued) Specifications ■ Factory reset, clearing all memory As part of our policy of continuous improvement, SHARP reserves the right to make design and specification chang-**1** Press the ON/STAND-BY button to turn the power on. es for product improvement without prior notice. The per 2 Press FUNCTION button (main unit) repeatedly or formance specification figures indicated are nominal val-AUDIO/LINE (INPUT) button (remote control) to enter ues of production units. There may be some deviations from these values in individual units 4 Press and hold ■ button (main unit) until "RESET" appears. General Power source AC 220 - 240 V ~ 50/60 Hz Power on: 52 W Power Power stand-by: 0.4 W (\*) consumptio Width: 215 mm (8 - 1/2") Dimensions Height: 96 mm (3 - 4/5") This operation will erase all data stored in memory includ-Depth: 335 mm (13 - 1/5") Weight 2.6 kg (5.7 lbs.)

Before transporting the unit Frequency band 2.400GHz - 2.480GHz Compatible Remove all devices connected to the unit. Then, set the unit to the power stand-by mode. Carrying the unit with other devices left connected or discs left inside might dam age the unit.

RESET

## Care of discs

Audio In mode.

O

Caution:

3 Press I de button (main unit) once.

⇔

ing clock, timer settings and tuner preset.

O

Discs are fairly resistant to damage. However mistracking can occur due to accumulation of dirt on the surface. • Do not mark on the non-label side of the disc from which

Amplifier

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fer to page 4 to cancel the demonstration mode.

etooth Profile | Profile), AVRCP (Audio/Video

(\*) This power consumption value is obtained when the demon-

stration mode is cancelled in the power stand-by mode. Re

Remote Control Profile)

Bluetooth 2.1 +EDR

A2DP (Advanced Audio Distributio

back.

Notes:

button

CD player

Signal readout

D/A converter

USB (MP3 / WMA)

Frequency

esponse

USB host

terface

Support file

Other

Type

Sleep operation The radio, disc, iPod, USB, Audio In and Line In can all be turned off automatically. 1 Play back the desired sound source. Press the SLEEP button. Within 5 seconds, press the Numeric button to set the time. (1 minute ~ 99 minutes) 4 "SLEEP" will appear. 5 The unit will enter the power stand-by mode automatically after the preset time has elapsed. The volume will be turned down 1 minute before the sleep operation finishes. To confirm the remaining sleep time: While "SLEEP" is indicated, press the SLEEP button. To cancel the sleep operation: Press the ON/STAND-BY button while "SLEEP" is indicated. To cancel the sleep operation without setting the unit to the stand-by mode, proceed as follows. **1** While "SLEEP" is indicated, press the SLEEP button. 2 Within 5 seconds, press the "0" button twice until "SLEEP 00" appears. 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 the next morning. Set the sleep time (see above, steps 1 - 5). 2 While the sleep timer is set, set the timer playback

> End time setting 1-99 minutes Desired time

> > time

The timer setting will be memorised once it is entered. To automatically stop reuse the same setting, perform the following operations. Turn the power on. Press and hold the CLOCK/TIMER

button. 2 Within 10 seconds, press the Idd or DD button to select "Once" or "Daily", and press the ENTER button

3 Within 10 seconds, press the let or ►► button to select "Timer On", and press the ENTER button.

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

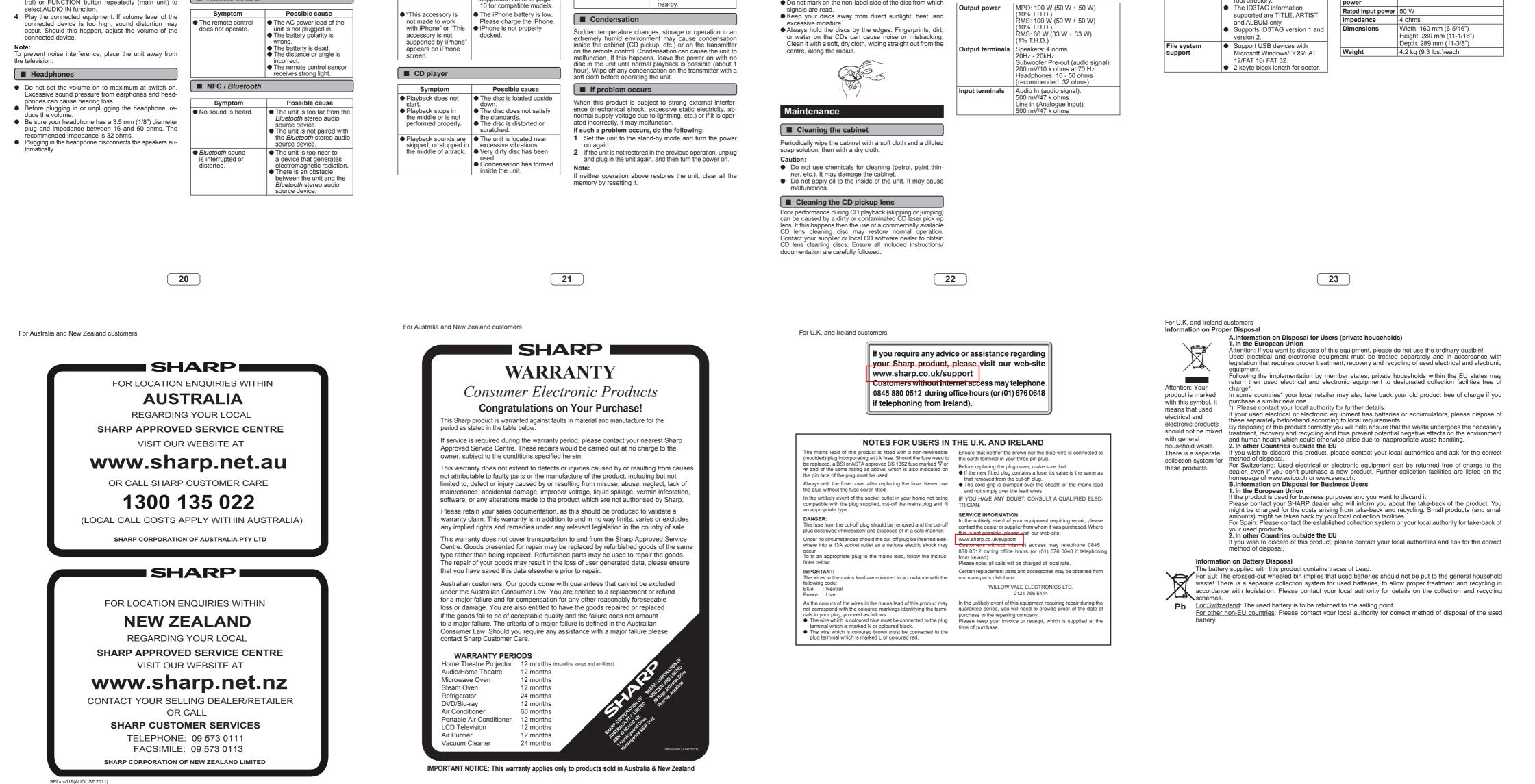
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### **Specifications (continued)** Tuner Frequency range FM: 87.5 - 108 MHz Single disc multi-play compact disc Preset 40 (FM station) Non-contact, 3-beam emiconductor laser pickup Speaker (XL-HF202PH) Multi bit D/A converter 20 - 20,000 Hz Type 2-way type speaker system 2.5 cm (1") Dome-Tweeter Dynamic range 90 dB (1 kHz) 12 cm (4-3/4") woofer Maximum input 100 W power Rated input power 50 W Complies with USB 1.1 (Full Impedance 4 ohms Speed)/2.0 Mass Storage Width: 148 mm (5-13/16") Height: 262 mm (10-5/16") Support Bulk only and CBI Depth: 203.5 mm (8") protocol. 2.5 kg (5.4 lbs.)/each MPEG 1 Layer 3 Weight WMA (Non DRM) Bitrate support MP3 (32 ~ 320 kbps) Speaker (XL-HF302PH) WMA (64 ~ 160 kbps) Maximum total number of MP3/ Тур 2-way type speaker system WMA files is 65025. 2.5 cm (1") Dome-Tweeter Maximum total number of 13 cm (5-1/8") woofer folders is 999 INCLUSIVE of Maximum input 100 W root directory. power The ID3TAG information

### imer and sleep operation (Remote control only) (continued 12 When the preset time is reached, playback will start. The volume will increase gradually until it reaches the preset volume. The timer indicator will blink during timer play-13 When the timer end time is reached, the system will enter the power stand-by mode automatically. Once timer: The timer will be cancelled. Daily timer: The timer operates at the same time every selected day. Cancel the daily timer when it is not in use. When performing timer playback using another unit connected to the USB terminal or AUDIO IN jack, select "USB" or "AUDIO IN" or "LINE IN" in step 5. This unit will turn on or enter the power stand-by mode au tomatically. However, the connected unit will not turn on or off. • To stop the timer playback, follow step "Cancelling the timer setting" of this page. Checking the timer setting: 1 Turn the power on. Press and hold the CLOCK/TIMER 2 Within 10 seconds, press the Idd or DD button to select "Once" or "Daily", and press the ENTER button. 3 Within 10 seconds, press the I◄◀ or ►> button to select "Timer Call", and press the ENTER button. Cancelling the timer setting: 1 Turn the power on. Press and hold the CLOCK/TIMER (steps 2 - 9, page 17). 2 Within 10 seconds, press the Idd or IDD button to select "Once" or "Daily", and press the ENTER button Sleep timer Timer playback 3 Within 10 seconds, press the I◄ or ►►I button to select setting "Timer Off", and press the ENTER button. Timer will be cancelled (the setting will not be cancelled). Reusing the memorised timer setting: Sleep operation will Timer playback start





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