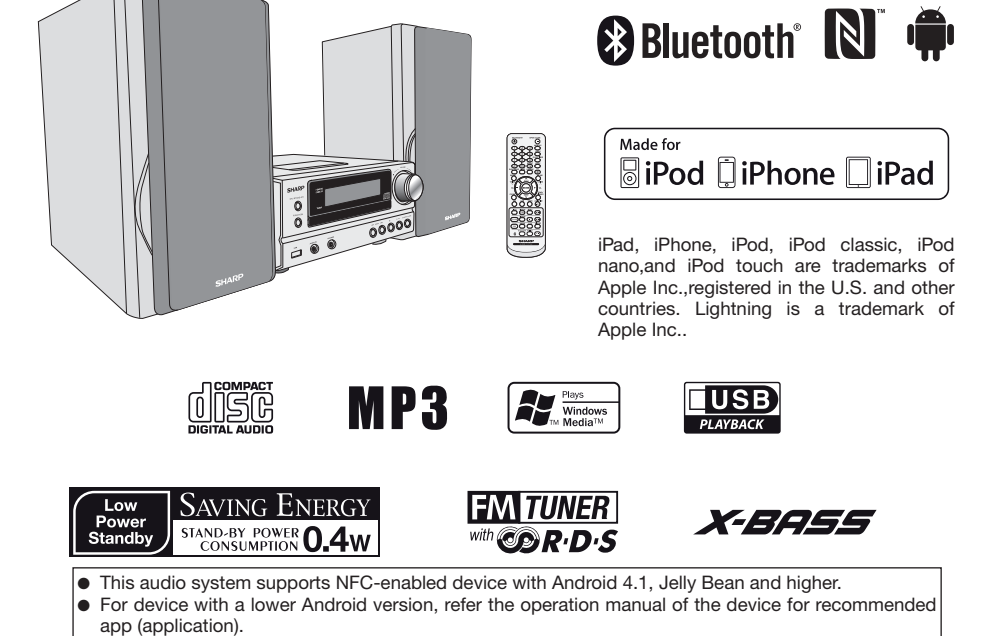


MODEL
XL-HF202PH(S)
XL-HF202PH(BK)
XL-HF202PH(T)
HI FI COMPONENT SYSTEM

OPERATION MANUAL

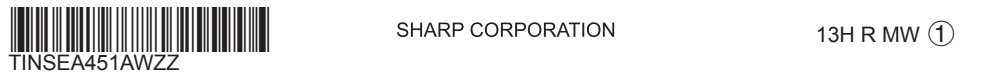
Thank you for purchasing this SHARP product. To obtain the best performance from this product, please read this manual carefully. It will guide you in operating your SHARP product.



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Special Note

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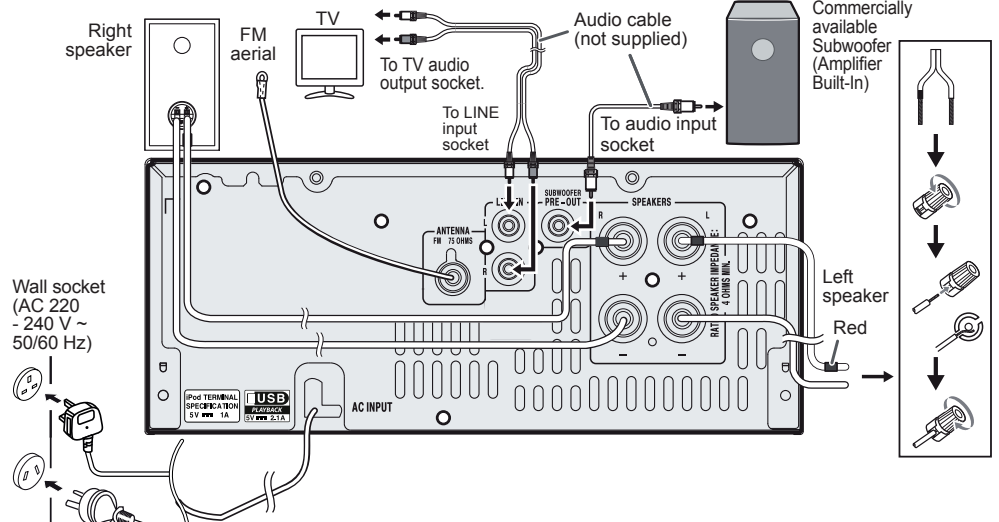


System connections

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

To select Line function:

Press the FUNCTION button (main unit) or AUDIO/LINE (INPUT) button (remote control) repeatedly until Line is displayed.



- Aerial connection**
Supplied FM aerial: Connect to the FM 75 OHMS socket and position it where reception is best.
External FM aerial: Use an external FM aerial (75 ohms coaxial cable) for better reception. Disconnect the supplied FM aerial wire before use.
Note: Keep the aerial away from the unit or AC power lead to avoid noise pickup.
- Speaker connection**
Speaker terminal: XL-HF202 (red wire with red insulation tube), XL-HF302 (black wire with black insulation tube).
Use speakers with an impedance of 4 ohms or more, as lower impedance speakers can damage the unit. Do not mislead the right and left channels. The right speaker is the one on the right side when the unit is used.
Do not let the bare speaker wires touch each other.
Do not allow any objects to fall into or be placed in the bass reflex ducts.
Do not stand or sit on the speakers. You may be injured.
- Demonstration mode**
The first time the unit is plugged in, it will enter the Bluetooth stand-by (demonstration) mode. "Bluetooth" appears on the display.
To cancel the Bluetooth stand-by (demonstration) mode, press the DEMO button (main unit) during power stand-by mode. The unit will enter the low power consumption mode.
To return to the Bluetooth stand-by (demonstration) mode, press the DEMO button (main unit).
During Bluetooth stand-by condition, NFC function is activated once your device touch the supplied NFC tag or if iPod or iPhone is docked, the unit will begin charging. "Charge Mode" will be displayed. Demonstration mode is invalid during charge mode.
- AC power connection**
After all connections have been made correctly, plug the AC power lead into the wall socket.
Note: Use the AC power lead from the wall socket if the unit will not be in use for a prolonged period of time.
- Bluetooth connection**
If this unit or the source device is turned off before Bluetooth connection is completed, pairing will not be completed and the pairing information will not be memorised. 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 devices. If subsequent device is paired, the oldest device paired, will be deleted and replaced with the new one.
Once a device is ousted or deleted from the pairing list, 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 Bluetooth enabled devices (continued)

- Pairing with other Bluetooth 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 Bluetooth 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 devices.
4 Perform pairing procedure on the source device to select 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.
● Some source devices are unable to display lists of detected devices. To pair this unit with the source device, refer to the source device operating manual for details.
5 Press "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 source device. (Pairing information is now memorised 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'). The range may vary depending on your operating environment. If a steel cabinet or metallic wall is between the main unit and your device, the system may not operate at all, because the wireless signal cannot penetrate metal.
- Listening to the sound**
Check that:
● The source device Bluetooth functionality is ON.
● Pairing of this unit and the source device is completed.
● Unit is in connected mode.
1 Press the ON/STAND-BY button to turn the power on.
2 Press the FUNCTION button to select Bluetooth function. "Bluetooth" appears on the display.
3 Start the Bluetooth connection from the Bluetooth stereo audio source device.
4 Press the BLUETOOTH button.
Notes:
● For various Bluetooth operations, refer "NFC connection" for details.
● If the source device has an extra bass or equalizer function, set them to off. If these functions are on, sound may be distorted.
● Once the calls are answered, the conversation can only be heard through the built-in speaker of the cellular device. Turn on the device speaker or disconnect the device to start conversation.
- 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 the Bluetooth stereo audio source device off.
- Turn off this unit.
Note: The volume of this unit may not be controlled as intended depending on the device.
- 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.
Note: This function is not applicable during Demonstration mode off.

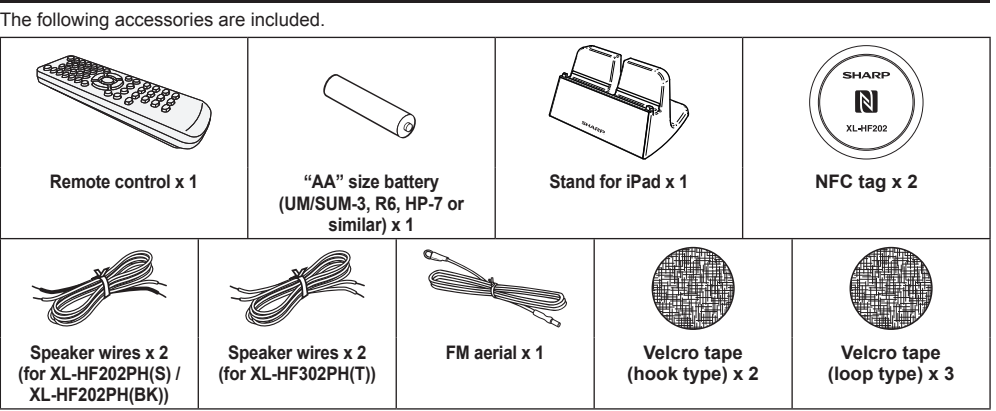
Listening to a CD or MP3/WMA disc

- Various disc functions**
Function: Play, Pause, Stop, Track up/down, Fast forward/reverse.
Main unit: Play, Pause, Stop, Track up/down, Fast forward/reverse.
Remote control: Play, Pause, Stop, Track up/down, Fast forward/reverse.
Operation: Press the play button to start the playback. Press the pause button to pause the playback. Press the stop button to stop the playback. Press the track up/down button to move to the previous/next track. Press the fast forward/reverse button to fast forward/reverse the playback.
- Disc playback**
1 Press the ON/STAND-BY button to turn the power on.
2 Press the CD button on the remote control or FUNCTION button repeatedly on the main unit to select CD function.
3 Press the OPEN/CLOSE button to open the disc compartment.
4 Place the disc in the disc compartment, label side first.
5 Press the OPEN/CLOSE button to close the disc tray.
6 Press the "CD/USB" button to start playback.
To stop playback:
● Press the "CD/USB" button.
Caution:
● Do not place two discs in one-disc tray.
● Do not play discs of special shapes (heart, octagon, etc.). It may cause malfunctions.
● Do not push the disc tray while it is moving.
● If the power fails while the unit is in operation, the unit will return to the standby mode.
● If the power fails while the unit is in operation, the unit will return to the standby mode.
● Be sure to place 6 cm (3") disc in the middle of the disc tray.
● Due to the structure of the disc information, it takes longer to read an MP3/WMA disc than a normal CD (approximately 20 to 30 seconds).
Note: For CD or MP3/WMA disc:
● Rewritable multi-session discs with unfinished writing, can still be played.
- Random play**
To random play all tracks:
Press the RANDOM button on the remote control until "Random" appears. Press the "CD/USB" button.
To cancel random play:
Press the RANDOM button again. "RDM" indicator will disappear.
Notes:
● You can press the "CD/USB" button during random play, you can move to the track selected next by the random operation. However, the "CD/USB" button does not allow you to move to the previous track. The beginning of the track being played will be selected.
● In random play, the unit will select and play tracks automatically. (You cannot select the order of the tracks.)

Special Notes

- Hereby, SHARP Electronics declares that this SHARP HI FI Component System XL-HF202PH(S)/XL-HF202PH(BK)/XL-HF202PH(T) is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The declaration of conformity may be consulted at the following URL: http://www.sharp.de/doc/XL-HF202PH_SUK_EN_A1.pdf
- WARNINGS**
● When the ON/STAND-BY button is set at STAND-BY position, mains voltage is still present inside the unit. When the ON/STAND-BY button is set at STAND-BY position, the unit may be brought into operation by the timer mode or remote control.
● This unit contains no user serviceable parts. Never remove covers unless qualified to do so. This unit contains dangerous voltages, always remove mains plug from the socket before any service operation and when not in use for a long period.
- XL-HF202PH(S) HI FI Component System consisting of XL-HF202PH(S) (main unit) and CP-HF202H (speaker system).
● XL-HF202PH(BK) HI FI Component System consisting of XL-HF202PH(BK) (main unit) and CP-HF202H (speaker system).
● XL-HF202PH(T) HI FI Component System consisting of XL-HF202PH(T) (main unit) and CP-HF302H (speaker system).

Accessories



The illustration printed in this operation manual are for model XL-HF202PH(S).

Remote control

- Battery installation**
1 Open the battery cover.
2 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.
3 Close the cover.
Caution:
● 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.
● Do not use rechargeable battery (nickel-cadmium battery, etc.).
● Installing the battery incorrectly may cause the unit to malfunction.
● Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Test of the remote control**
The remote control can be used within the range shown below.
Remote sensor: 0.2m - 6m (6.2ft - 19.7ft).
● **Volume auto fade-in**
If you turn off and on the main unit with the volume set at 27 or higher, the volume starts at 16 and fades in to the last level.
● **Volume control**
Turn the volume knob towards VOL+/- (main unit) or press VOL +/- (remote control) to increase or decrease the volume.
● **Muting**
To mute the volume, press the "M" button (remote control). Press again to restore the volume.
● **Direct key power on function**
When you press any of the following buttons, the unit turns on:
CD, USB, iPod, BLUETOOTH, AUDIO/LINE (INPUT), TUNER, iPod/iPhone, CD/USB, BLUETOOTH, and the remote control. Selected function is activated.
● "M" button on the main unit. The unit turns on and playback of the last function will start (CD, USB, iPod, BLUETOOTH, AUDIO IN, LINE IN, TUNER).
● **Auto power off function**
The main unit will enter the stand-by mode (when iPod, iPad or iPhone is not connected) after 15 minutes of inactivity during:
iPod: Not docked.
Audio/Line: No detection of input signal.
CD: In the stop mode or no disc.
USB: In the stop mode of no media.
Bluetooth: In the pause mode on not connected condition.
Note: However, if iPod or iPhone is docked, the unit will begin charging. "Charge Mode" will be displayed.
● **X-Bass control**
When the power is first turned on, the unit is in the extra bass, "X-BASS" indicator appears. To cancel this mode, press the X-BASS button (remote control).
● **Bass or Treble control**
1 Press the BASS/TREBLE button to select "Bass" or "Treble".
2 Within 5 seconds, press the VOLUME (+/-) or "M" button to adjust the bass or treble.
● **Function**
Press the FUNCTION button repeatedly to select desired function:
CD -> FM -> STEREO -> FM MONO
Bluetooth -> Line In -> Audio In -> iPod -> USB
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.

Listening to Android™ devices

- Introduction : Open Accessory**
Open Accessory support allows external USB hardware (any Android USB accessory) to connect to the unit. When an Android-powered device is in a special accessory mode, the unit will automatically power on when the device is connected. The unit will then display the device name and the Android-powered device will be detected and replaced with the new one. Once a device is ousted or deleted from the pairing list, 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**
Check that:
● The source device Bluetooth functionality is ON.
● Pairing of this unit and the source device is completed.
● Unit is in connected mode.
1 Press the ON/STAND-BY button to turn the power on.
2 Press the FUNCTION button to select Bluetooth function. "Bluetooth" appears on the display.
3 Start the Bluetooth connection from the Bluetooth stereo audio source device.
4 Press the BLUETOOTH button.
Notes:
● For various Bluetooth operations, refer "NFC connection" for details.
● If the source device has an extra bass or equalizer function, set them to off. If these functions are on, sound may be distorted.
● Once the calls are answered, the conversation can only be heard through the built-in speaker of the cellular device. Turn on the device speaker or disconnect the device to start conversation.
- To disconnect the Android device**
1 Quit the application (apps).
2 Disconnect the device from the USB terminal.
- Various functions**
Function: Track up/down, Fast forward/reverse.
Remote control: Track up/down, Fast forward/reverse.
Operation: Press the play button to start the playback. Press the pause button to pause the playback. Press the stop button to stop the playback. Press the track up/down button to move to the previous/next track. Press the fast forward/reverse button to fast forward/reverse the playback.

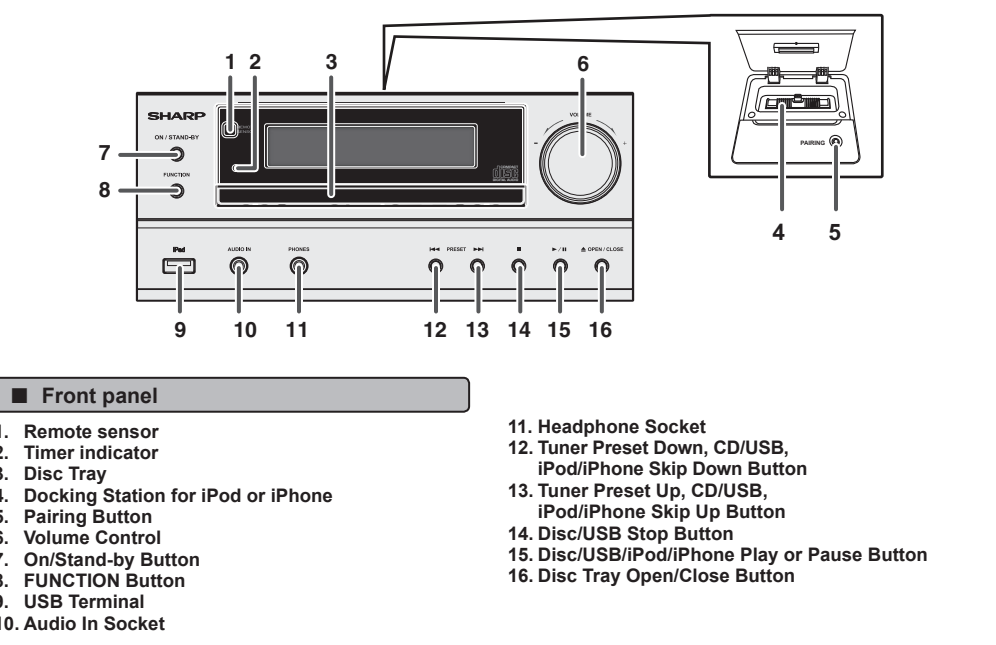
Listening to a CD or MP3/WMA disc (continued)

- Repeat play**
Repeat play can play one track, all tracks or a programmed sequence continuously.
To repeat one track:
Select desired track by using the Numeric buttons.
Press the REPEAT button repeatedly until "Repeat One" appears. Press the "CD/USB" button.
To repeat all tracks:
Press the REPEAT button repeatedly until "Repeat All" appears. Press the "CD/USB" button.
To repeat selected tracks:
Perform steps 1 - 5 in "Programmed play" section on this page and then press the REPEAT button repeatedly until "Repeat All" appears.
To repeat one folder:
While in folder mode on (MP3/WMA), press REPEAT button repeatedly until "Repeat Folder" appears. Press the "CD/USB" button.
To cancel repeat play:
Press the REPEAT button repeatedly until "Normal" appears and "RDM" disappears.
- Procedure to playback MP3/WMA disc with folder mode on**
To play back CD-R/RW:
1 Press the CD button on the remote control, and load an MP3/WMA disc. Press the FOLDER button and info will be displayed.
MP3 indicator: WMA indicator: TOTAL indicator: 2-120 DISC
Total number of folders: 2, Total number of files: 120
2 Press the PRESET (v or ^) button to select desired playback folder. (Folder mode) will be displayed.
3 Press the MEMORY button to save the track number.
4 Repeat steps 2 - 3 for other tracks. Up to 32 tracks can be programmed. If you want to check the programmed tracks, press the MEMORY button. To clear the programmed tracks, press the CLEAR button.
5 Press the "CD/USB" button to start playback.
- Programmed play (CD)**
1 While in the stop mode, press the MEMORY button on the remote control to enter the programming save mode.
2 Press the "CD/USB" button to select the desired track.
3 Press the MEMORY button to save the track number.
4 Repeat steps 2 - 3 for other folders. Up to 32 tracks can be programmed. If you want to check the programmed tracks, press the MEMORY button. To clear the programmed tracks, press the CLEAR button.
5 Press the "CD/USB" button to start playback.
- Programmed play (MP3/WMA)**
1 While in the stop mode, press the MEMORY button on the remote control to enter the programming save mode.
2 Press the PRESET (v or ^) button on the remote control to select the desired folder.
3 Press the MEMORY button to save the folder and track number.
4 Repeat steps 2 - 3 for other folders. Up to 32 tracks can be programmed.
5 Press the "CD/USB" button to start playback.

Precautions

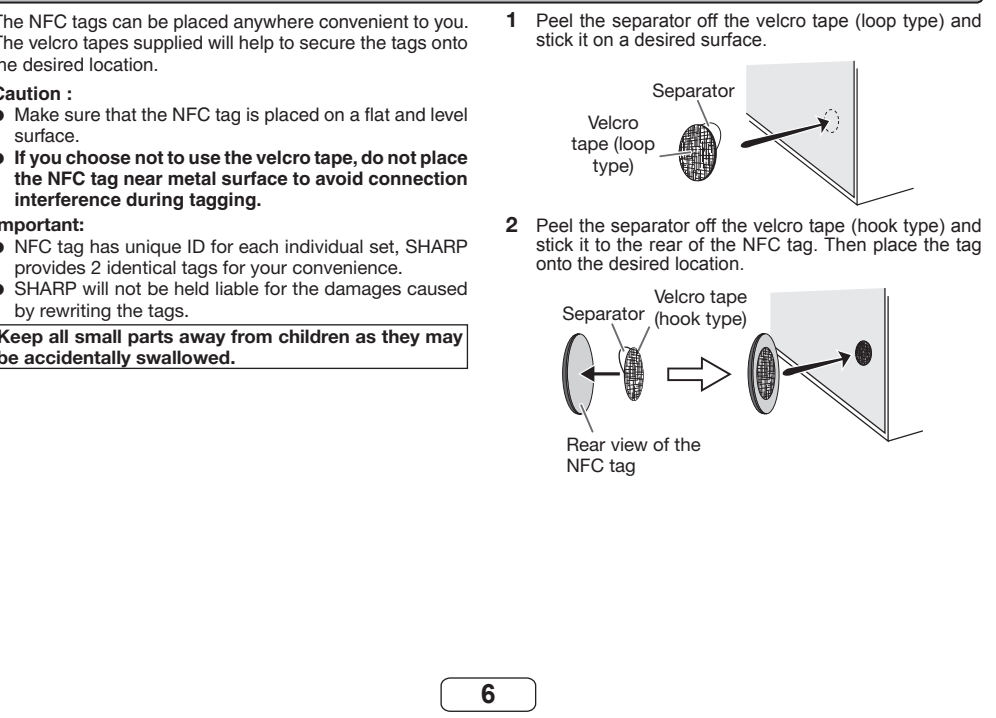
- General**
● Keep your equipment at least 10 cm (4") of free space around the sides, top and back for proper ventilation.
● Do not place anything on top of the unit.
● The AC power plug is used as a disconnect device and shall always remain readily operable.
● Do not remove the outer cover, as this 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.
● Excessive heat, humidity and electronic / electrical equipment (home computers, facsimiles, etc.) which generate electrical noise.
● Do not expose the unit to moisture, to temperatures higher than 60 °C (140 °F) or to extremely low temperatures.
● If the unit does not work properly, unplug and plug it in again. Then turn on the unit.
● In case of an electrical storm, unplug the unit for safety. Hold the AC power plug by the head when removing it from the wall socket, as pulling the lead can damage internal wires.
- Volume control**
The sound level at a given volume setting depends on various factors, such as the room and various other factors. It is advisable to avoid exposure to high volume levels, which occurs when the unit is used with headphones. Excessive sound pressure level can damage hearing loss.

Controls and indicators



Bluetooth one touch connection via NFC

- About NFC technology**
Near Field Communication (NFC) is a set of standards for devices (smartphones/tablets) to establish radio communication with each other by touching/tapping them together or bringing them into close proximity.
Using NFC in this product simplifies the pairing method of Bluetooth connectivity.
Note: 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 recommended app installation.
- NFC detection area**
NFC detection area location may vary depending on the device (smartphone / tablet). Refer operation manual of the device for detail.
- NFC tag set up**
The NFC tags can be placed anywhere convenient to you. The velcro tapes supplied will help to secure the tags onto the desired location.
Caution:
● Make sure that the NFC tag is placed on a flat and level surface.
● 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:
● SHARP has unique ID for each individual set. SHARP provides 2 identical tags for your convenience.
● NFC will not be held liable for the damages caused by rewiring the tags.
Keep all small parts away from children as they may be accidentally swallowed.



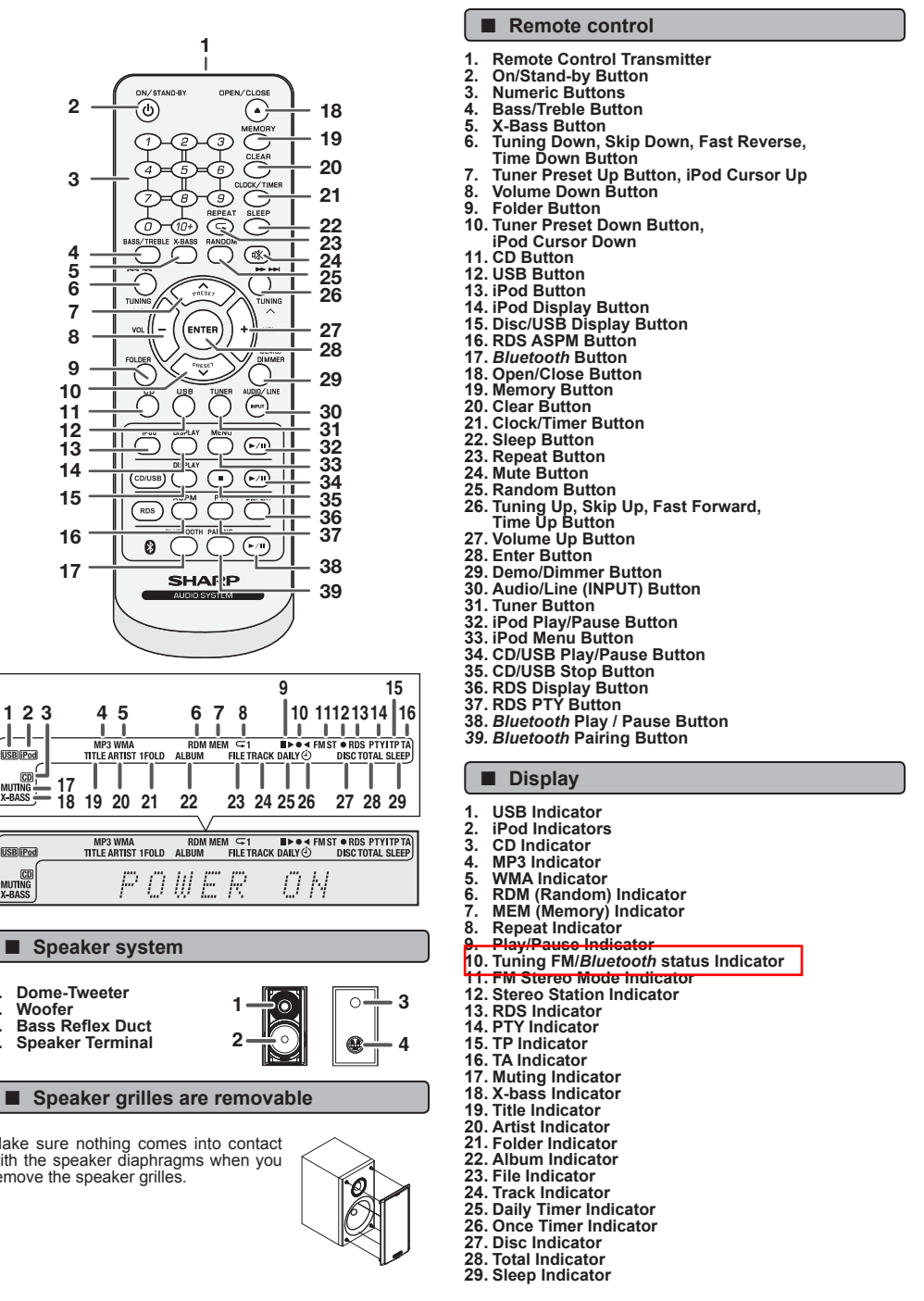
Listening to the iPod, iPhone or iPad

- Make for:**
iPhone 5, iPhone 4S, iPhone 4, iPhone 3GS, iPhone 3G, iPod touch (4th generation), iPod touch (3rd generation), iPod touch (2nd generation), iPod touch (1st generation), iPod classic, iPod nano (7th generation), iPod nano (6th generation), iPod nano (5th generation), iPod nano (4th generation), iPod nano (3rd generation), iPod nano (2nd generation), iPod nano (1st generation).
Caution:
Update your iPod, iPhone and iPad unit to the latest software version before using them. Visit Apple's homepage to download the latest software.
Notes:
● Charging terminal for iPod, iPhone and iPad:
Condition: DOCK, USB
Function: YES, NO
Other function: YES, NO
Bluetooth (Bluetooth/CD/Tuner/USB/iPod/Audio/Line In): YES, NO
The message "This accessory is not made to work with iPhone or similar, may appear on the iPhone screen when the iPhone is not properly docked (eg. alerting). If this occurs, remove and re-dock the iPod. The headphones 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.
2 Place the iPad to the stand for iPad.
3 Connect the iPod, iPhone or iPad to the unit via USB connector.
Note: Docking station for iPod and iPhone by pulling up the cover.
Caution:
Unplug all accessories from the iPod or iPhone before inserting it into the dock.
Note: Docking station for iPod and iPhone by pulling up the cover.
- 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 on the main unit to select iPod function. "iPod" appears on the display.
3 Connect iPod, iPhone or iPad to the unit. "USB/iPod" will appear.
4 Press the "CD/USB" button to start playback.
Note:
● "USB/iPod" is invalid during iPod, iPhone or iPad play back.
● Sound will only switch from iPhone to the main unit after authentication process is completed in approximately 10 seconds.
● Incoming calls will pause the playback. Once the calls are answered, the conversation can only be heard through the built-in iPhone speaker. Turn on the iPhone speaker or unplug the iPhone or iPad unit to start conversation.
- iPod and iPhone connection (Dock only)**
1 Press the TUNING (v or ^) button repeatedly to tune in to the desired station.
2 Press the TUNER button (remote control) or FUNCTION button repeatedly on the main unit to select iPod function. "iPod" appears on the display.
3 Insert iPod or iPhone into the dock of main unit.
4 Press the "CD/USB" button to start playback.
Note:
The operations described below depend on the generation iPod, 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.

Listening to USB mass storage device/MP3 player

- Make for:**
iPhone 5, iPhone 4S, iPhone 4, iPhone 3GS, iPhone 3G, iPod touch (4th generation), iPod touch (3rd generation), iPod touch (2nd generation), iPod touch (1st generation), iPod classic, iPod nano (7th generation), iPod nano (6th generation), iPod nano (5th generation), iPod nano (4th generation), iPod nano (3rd generation), iPod nano (2nd generation), iPod nano (1st generation).
Caution:
Update your iPod, iPhone and iPad unit to the latest software version before using them. Visit Apple's homepage to download the latest software.
Notes:
● Charging terminal for iPod, iPhone and iPad:
Condition: DOCK, USB
Function: YES, NO
Other function: YES, NO
Bluetooth (Bluetooth/CD/Tuner/USB/iPod/Audio/Line In): YES, NO
The message "This accessory is not made to work with iPhone or similar, may appear on the iPhone screen when the iPhone is not properly docked (eg. alerting). If this occurs, remove and re-dock the iPod. The headphones 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.
2 Place the iPad to the stand for iPad.
3 Connect the iPod, iPhone or iPad to the unit via USB connector.
Note: Docking station for iPod and iPhone by pulling up the cover.
Caution:
Unplug all accessories from the iPod or iPhone before inserting it into the dock.
Note: Docking station for iPod and iPhone by pulling up the cover.
- iPod, iPhone or iPad playback (Dock only)**
1 Press the TUNING (v or ^) button repeatedly to tune in to the desired station.
2 Press the TUNER button (remote control) or FUNCTION button repeatedly on the main unit to select iPod function. "iPod" appears on the display.
3 Insert iPod or iPhone into the dock of main unit.
4 Press the "CD/USB" button to start playback.
Note:
The operations described below depend on the generation iPod, 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.

Controls and indicators (continued)



Bluetooth one touch connection via NFC (continued)

- NFC connection for audio playback**
Check that:
● Your device (smartphone / tablet) has an NFC function.
● NFC function on your device is turned on.
● Screen lock function of the device is off.
● This unit is not in Eco mode.
1 Touch your device to the supplied NFC tag.
2 A pop-up window asking whether to proceed with the Bluetooth connection appears on the device. Select "YES".
3 "Pairing with SHARP" message appears when the connection is complete.
4 "Pairing" will start automatically. Otherwise, press play (on remote control or source device).
5 Sound will be heard from the speakers of this unit via audio streaming.
6 Your device and NFC tag must be within 10 meters from the unit.
- Bluetooth operation buttons (remote control only)**
Press the button to play or pause.
Press the button to skip up.
Press and hold to fast forward.
Press the button to skip down.
Press and hold to fast reverse.
- 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.

Listening to the iPod, iPhone or iPad (continued)

- Various iPod, iPhone and iPad functions**
Function: Play, Pause, Track up/down, Fast forward/reverse, Display, Repeat, Shuffle, Menu, Enter, Cursor Up/Down.
Main unit: Play, Pause, Track up/down, Fast forward/reverse, Display, Repeat, Shuffle, Menu, Enter, Cursor Up/Down.
Remote control: Play, Pause, Track up/down, Fast forward/reverse, Display, Repeat, Shuffle, Menu, Enter, Cursor Up/Down.
Operation: Press the play button to start the playback. Press the pause button to pause the playback. Press the track up/down button to move to the previous/next track. Press the fast forward/reverse button to fast forward/reverse the playback. Press the display button to display the track information. Press the repeat button to repeat the playback. Press the shuffle button to shuffle the playback. Press the menu button to display the menu. Press the enter button to confirm the selection. Press the cursor up/down button to move the cursor up/down.
- iPod or iPhone playback (Dock)**
1 Press the ON/STAND-BY button to turn the power on.
2 Press the iPod button on the remote control or FUNCTION button repeatedly on the main unit to select iPod function. "iPod" appears on the display.
3 Insert iPod or iPhone into the dock of main unit.
4 Press the "CD/USB" button to start playback.
- To disconnect iPod, iPhone or iPad**
Simply remove the iPod or iPhone from the docking station or iPad connector from USB terminal. It is safe to do so even during playback.
- Navigating the iPod, iPhone or iPad menus**
1 Press the MENU button to view the menu on iPod, iPhone or iPad unit. Press 4 again to go back to previous menu.
2 Use the PRESET (v or ^) button to select an item on the menu and then press ENTER button.
Note:
When navigating the iPod or iPhone or iPad menu with remote control, do not operate the "CD/USB" button on the iPod or iPhone unit. The volume level is adjusted by pressing the VOL (+/-) or "M" button on the main unit or the remote control. Adjusting the volume on the iPod, iPhone or iPad units goes to effect.
iPod, iPhone and iPad operations:
The operations described below depend on the generation iPod, 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.

Listening to the radio

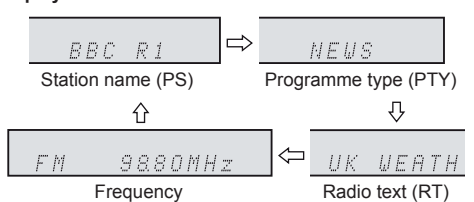
- Make for:**
iPhone 5, iPhone 4S, iPhone 4, iPhone 3GS, iPhone 3G, iPod touch (4th generation), iPod touch (3rd generation), iPod touch (2nd generation), iPod touch (1st generation), iPod classic, iPod nano (7th generation), iPod nano (6th generation), iPod nano (5th generation), iPod nano (4th generation), iPod nano (3rd generation), iPod nano (2nd generation), iPod nano (1st generation).
Caution:
Update your iPod, iPhone and iPad unit to the latest software version before using them. Visit Apple's homepage to download the latest software.
Notes:
● 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 or AAC format can be played back when connected to the USB terminal. This USB memory's format supports FAT16 or FAT32. Full-size cannot guarantee that all USB memory devices will work on this system.
● USB cable is not recommended for use in this audio system to connect to USB memory device. Use of the USB cable will affect the performance of this audio system. iPod, iPhone and iPad is not prone to this issue.
● This USB memory cannot be operated via USB hub. The USB terminal in this unit is not intended for a PC connection.
● External HDD-storage cannot be played back via USB terminal.
● If the data inside the USB memory is large, it may take longer time for the data to be read.
● This product can play WMA and MP3 files. It will automatically detect the file type being played. If unplayable file is played on this product, "Not Support" is indicated 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 irregularities when used with various external reasons from some devices. Should this happen, turn off the unit and then turn it on again.
● During CD function, MP3 player will not be charging.
The following functions are the same as CD operations:
Track search: 12
Repeat: 12
Random play: 12
Programmed play (MP3/WMA): 12
Note:
● This unit only supports "MPEG-1 Audio Layer-3" format (Sampling frequency is 32, 44.1, 48kHz).
● Playback order for MP3 files may differ depending on the writing software used during file download.
● Bitrate which is supported by MP3 is 32-320 kbps. WMA is 64-160 kbps.
● Files without MP3/WMA format cannot be played back. Playlists are not supported on this unit.
● Total number of folders read is 999 including subfolders with non-playable file, however, the display shows only folder with MP3/WMA files.
● 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 file. Copyright protected WMA files cannot be played back.
- Recalling a memorised station**
Press and hold the PRESET (v or ^) button to select the desired station.
To scan the preset stations
1 Press and hold the PRESET (v or ^) button until the preset number flashes. The programmed stations will be tuned in sequentially, for 5 seconds each.
2 Press the PRESET (v or ^) button again when the desired station is located.
- To erase entire preset memory**
1 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 TUNER function.
3 In TUNER function, press and hold the CLEAR button (remote control) until "Tuner Clear" appears.
- Using the Radio Data System (RDS)**
RDS is a broadcasting service which a growing number of FM stations provide. These FM stations send identification 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.
PTY (Dynamic PTT Indicator) will appear whilst the Dynamic PTT station is received.

Using the Radio Data System (RDS) (continued)

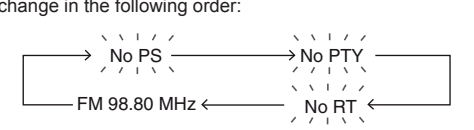
Information provided by RDS

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

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



When tuning in to a station other than an RDS station or to an RDS station which sends weak signal, the display will change in the following order:



Using the Auto Station Programme Memory (ASPM)

While in the ASPM operation mode, the tuner will automatically search for new RDS stations. Up to 40 stations can be stored.

- Press the TUNER button (remote control) or FUNCTION button (main unit) repeatedly to select TUNER function.
- Press and hold the RDS ASPM button.

1. After "ASPM" has flashed for about 4 seconds, 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.

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

Notes:

- If the same station is broadcasting on different frequencies, the strongest frequency will be stored in memory.
- Any station which has the same frequency as the one stored in memory will not be stored.
- If 40 stations have already been stored in memory, the scan will be aborted. If you want to redo the ASPM operation, erase the stored memory.
- If no station have been stored in memory, "END" will appear for about 4 seconds.
- If the RDS signals are very weak, station names may not be stored in memory.
- The same station name can be stored in different centres.
- In a certain area or during certain time periods, the station names may 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 6 seconds, and then the frequency will be displayed.

Notes for radio text

- The first 14 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 tune in to the radio text.
- While radio text data is received or when the text contents change, "RT" will be displayed.

To recall stations in memory

To specify programmed types (news, sports, traffic programme, etc.) and select stations (PTY search):

- Press the TUNER button (remote control) or FUNCTION button (main unit) repeatedly to select TUNER function.
- Press the RDS PTY button.

"SELECT" and "PTY" will appear alternately for about 6 seconds.

3. Within 6 seconds, press the TUNING (V or A) button to select the programme type.

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

Using the Radio Data System (RDS) (continued)

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

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

Notes:

- If the display has stopped flashing, start again from step 2. If the unit finds a desired programme type, the corresponding channel number will be lit for about 6 seconds, and then the station name will remain lit.
- If you want to listen to the same programme type of another station, press the RDS PTY button while the channel number or station name is flashing. The unit will look for the next station.
- If no station can be found, "NOT FOUND" will appear for 4 seconds.

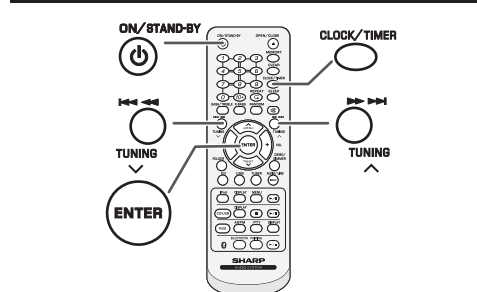
If you select the traffic programme: Press the TUNER button (remote control) or FUNCTION button (main unit) repeatedly to select TUNER function. (This does not mean that you can listen to the traffic information at that time.)

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

Descriptions of the PTY (Programme Type) codes, TP (Traffic Programme) and TA (Traffic Announcement)

NEWS	POP M	SOCIAL	FOLK M
AFAIRS	ROCK M	RELIGION	DOCUMENT
INFO	EASY M	PHONE IN	TEST
SPORT	LIGHT M	TRAVEL	ALARM
EDUCATE	CLASSICS	LEISURE	NONE
DRAMA	OTHER M	JAZZ	TP
CULTURE	WEATHER	COUNTRY	TA
SCIENCE	FINANCE	NATION M	
VARIED	CHILDREN	OLDSIES	

Setting the clock (Remote control only)



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

- Press the ON/STAND-BY button to turn the power on.
- Press the CLOS/TIMER button.
- Within 10 seconds, press the ENTER button. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.
- Press the **▲** or **▼** button to select 24-hour or 12-hour display and then press the ENTER button.

1. "0:00" → The 24-hour display will appear.

2. "AM 12:00" → The 12-hour display will appear.

3. "AM 12:00" → The 12-hour display will appear.

4. "AM 0:00" → The 12-hour display will appear.

5. To adjust the hour, press the **▲** or **▼** button and then press the ENTER button. Press the **▲** or **▼** button once to advance the time by 1 hour. Hold it down to advance continuously.

6. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button. Press the **▲** or **▼** button once to advance the time by 1 minute. Hold it down to advance the time by 5 minutes interval.

To confirm the time display: Press the CLOS/TIMER button. The time display will appear for about 5 seconds.

Note: When power supply is restored after unit is plugged in again or after a power failure, reset the clock.

To readjust the clock: 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.

To change the 24-hour or 12-hour display: 1. Clear all the programmed contents. (Refer to "Factory reset, clearing all memory" on page 22 for details.)

2. Perform "Setting the clock" from step 1 onwards.

Timer and sleep operation (Remote control only)

Timer playback: The unit turns on and plays the desired source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN) at a preset time.

This unit has 2 types of timer: ONCE TIMER and DAILY TIMER.

Once timer ("O" indicator): Once timer plays works for one time only at a preset time.

Daily timer ("DAILY" indicator): Daily timer plays works at the same preset time every day that we set. For example, set the timer as a wake-up call every morning.

Using the once timer and daily timer in combination: For example, use the once timer to listen to a radio programme, and use the daily timer to wake up.

1. Set the daily and once timer (pages 18 - 19).

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

3. Press the CLOS/TIMER button.

4. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

5. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

6. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

7. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

8. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

9. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

10. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

11. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

13. Press the CLOS/TIMER button.

14. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

15. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

16. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

17. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

18. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

19. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

20. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

22. Press the CLOS/TIMER button.

23. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

24. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

25. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

26. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

27. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

28. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

29. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

31. Press the CLOS/TIMER button.

32. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

33. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

34. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

35. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

36. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

37. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

38. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

40. Press the CLOS/TIMER button.

41. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

42. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

43. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

44. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

45. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

46. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

47. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

49. Press the CLOS/TIMER button.

50. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

51. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

52. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

53. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

54. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

55. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

56. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

58. Press the CLOS/TIMER button.

59. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

60. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

61. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

62. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

63. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

64. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

65. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

67. Press the CLOS/TIMER button.

68. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

69. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

70. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

71. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

72. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

73. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

74. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

76. Press the CLOS/TIMER button.

77. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

78. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

79. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

80. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

81. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

82. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

83. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

85. Press the CLOS/TIMER button.

86. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

87. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

88. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

89. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

90. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

91. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

92. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

94. Press the CLOS/TIMER button.

95. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

96. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

97. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

98. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

99. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

100. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

101. Press the ON/STAND-BY button to enter the power stand-by mode. "TIMER" indicator lights up.

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

103. Press the CLOS/TIMER button.

104. Within 10 seconds, press the **▲** or **▼** button to select "Once" or "Daily", and press the ENTER button.

105. To select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, LINE IN), press the **▲** or **▼** button. Press the ENTER button.

106. When you select the timer, select a station by pressing the **▲** or **▼** button and then press the ENTER button. If a station has not been programmed, "No Preset" will appear in step 2, step 4 (for selecting the 24-hour or 12-hour display) will be cancelled.

107. To adjust the day, press the **▲** or **▼** button and then press the ENTER button.

108. Press the ENTER button to adjust the hour. Press the **▲** or **▼** button and then press the ENTER button.

109. To adjust the minutes, press the **▲** or **▼** button and then press the ENTER button.

110. Press the ON/