



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SHARP XL-UH12H. You'll find the answers to all your questions on the SHARP XL-UH12H in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SHARP XL-UH12H  
User guide SHARP XL-UH12H  
Operating instructions SHARP XL-UH12H  
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Instruction manual SHARP XL-UH12H

The image shows the cover of the SHARP XL-UH12H Micro Component System Operation Manual. The cover is white with a grey header and footer. The SHARP logo is in the top left, and 'ENGLISH' is in the top right. The model number 'XL-UH12H' is prominently displayed in the center, with 'MICRO COMPONENT SYSTEM' and 'OPERATION MANUAL' below it. A photograph of the main unit and two speakers is in the middle. Below the photo are icons for USB, MP3, COMPACT DISC DIGITAL AUDIO, AUDIO IN for Digital Players, and Windows Media. Further down are icons for X-BASS, RADIO with CD-RDS, and Low Power Standby (0.4W). The 'Accessories' section lists a remote control and two AAA batteries. The 'Volume control' section provides safety information about sound levels. A 'Special note' at the bottom mentions MPEG Layer-3 audio coding technology. The footer contains the barcode, model number 92LEUH12H015FR, and contact information for SHARP ELECTRONICS (Europe) GmbH and SHARP CORPORATION.



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**Manual abstract:**

@@It is advisable to avoid exposure to high volume levels. Do not turn the volume on to full at switch on. Listen to music at moderate levels. @@An independent license for such use is required. For details, please visit <http://mp3licensing.com> MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson. SHARP ELECTRONICS (Europe) GmbH SonninstraÙe 3, D-20097 Hamburg 92LEUH12H015RR 12F R MW 1 Special notes WARNINGS: □ When the ON/STAND-BY button is set at STAND-BY position, mains voltage is still present inside the unit. When the ON/STAND-BY button is set at STAND-BY position, the unit may be brought into operation by remote control. □ This unit contains no user serviceable parts. Never remove covers unless qualified to do so.

This unit contains dangerous voltages, always remove mains plug from the socket before any service operation and when not in use for a long period. □ To prevent fire or shock hazard, do not expose this appliance to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus. □ This product is classified as a CLASS 1 LASER □ This product contains a low power laser device. To CAUTION: product. ensure continued safety, do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel. Note: Audio-visual material may consist of copyrighted works which must not be recorded without the authority of the owner of the copyright. Please refer to the relevant laws in your country. DENNA APPARAT ÄR ANSLUTEN TILL 230 V VÄXELSTRÖM NÄR STICKPROPPEN ÄR INSKJUTEN I VÄGGUTTAGET. FÖR ATT FULLSTÄNDIGT KOPPLA IFRÅN APPARATEN, V.G. DRAG UT STICKPROPPEN. Information on Proper Disposal A. Information on Disposal for Users (private households) 1. In the European Union Attention: If you want to dispose of this equipment, please do not use the ordinary dustbin! Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment. Your Following the implementation by member states, product is private households within the EU states may return marked their used electrical and electronic equipment to with this designated collection facilities free of charge\*. symbol. It In some countries\* your local retailer may also take means that back your old product free of charge if you purchase a similar new one. used electrical \*) Please contact your local authority for further details.

and electronic If your used electrical or electronic equipment has products batteries or accumulators, please dispose of these separately beforehand according to local should not requirements. be mixed By disposing of this product correctly you will help with ensure that the waste undergoes the necessary general treatment, recovery and recycling and thus prevent household potential negative effects on the environment and waste. human health which could otherwise arise due to There is a inappropriate waste handling. separate 2. In other Countries outside the EU collection If you wish to discard this product, please contact system for your local authorities and ask for the correct method of disposal. these products. For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of [www.swico.ch](http://www.swico.ch) or [www.sens.ch](http://www.sens.ch).

B. Information on Disposal for Business Users 1. In the European Union If the product is used for business purposes and you want to discard it: Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities. For Spain: Please contact the established collection system or your local authority for take-back of your used products. 2. In other Countries outside the EU If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal. Information on Battery Disposal The battery supplied with this product contains traces of Lead. For EU: The crossed-out wheeled bin implies that used batteries should not be put to the general household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation. Please contact your local authority for details on the collection and recycling schemes. For Switzerland: The used battery is to be returned to the selling point. For other non-EU countries: Please contact your local authority for correct method of disposal of the used battery. E-1 Precautions □ General well ventilated area and ensure that there is at least 10 cm (4") of free space along the sides, top and back of the equipment. 10 cm (4") 10 cm (4") 10 cm (4") □ Hold the AC power plug by the head when removing it □ Please ensure that the equipment is positioned in a 10 cm (4") □ Use the unit on a firm, level surface free from vibration. □ Keep the unit away from direct sunlight, strong □ □ □ magnetic fields, excessive dust, humidity and electronic/electrical equipment (home computers, facsimiles, etc.) which generate electrical noise. Do not place anything on top of the unit.

Do not expose the unit to moisture, to temperatures higher than 60°C (140°F) or to extremely low temperatures. If your system does not work properly, disconnect the AC power lead from the wall socket. Plug the AC power lead back in, and then turn on your system. In case of an electrical storm, unplug the unit for safety. from the wall socket, as pulling the lead can damage internal wires. □ 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. □ No naked flame sources, such as lighted candles, should be placed on the apparatus.

□ Attention should be drawn to the environmental aspects of battery disposal. □ This unit should only be used within the range of 5°C 35°C (41°F - 95°F). □ The apparatus is designed for use in moderate climates. Warning: The voltage used must be the same as that specified on this unit. Using this product with a higher voltage other than that which is specified is dangerous and may result in a fire or other type of accident causing damage. SHARP will not be held responsible for any damage resulting from use of this unit with a voltage other than that which is specified. System connection Make sure to unplug the AC power lead before making any connections.



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Right speaker Left speaker Red Black 92LXXXXXXXXXX FM aerial Wall socket (AC 220 - 240 V ~ 50/60 Hz) E-2 System connection (continued) □ Speaker connection (-) terminal, and the red wire to the plus (+) terminal. □ RIGHT LEFT AC power connection □ Connect the black wire to the minus □ Use speakers with an impedance of □ □ □ 8 ohms or more, as lower impedance speakers can damage RIGHT LEFT the unit. Do not mistake the right and the left SPEAKERS channels.

The right speaker is the one on the right side when you face Incorrect the unit. Do not let the bare speaker wires touch each other. Do not allow any objects to fall into or to be placed in the bass reflex ducts. Do not stand or sit on the speakers. You may be injured. After checking all the connections have been made correctly, plug the AC power lead of this unit into the wall socket. If you plug in the unit first, the unit will enter the stand-by mode. Note: Unplug the AC power lead from the wall socket if the unit will not be in use for a prolonged period of time. Remote control □ Battery installation □ Remove the batteries if the unit will not be used for a 1 Open the battery cover. 2 Insert the batteries according to the direction indicated in the battery compartment.

When inserting or removing the batteries, push them towards the (-) battery terminals. 3 Close the cover. long period of time. This will prevent potential damage due to battery leakage. □ Do not use rechargeable batteries (nickel-cadmium battery, etc.). □ Installing the batteries 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. □ Replace the batteries if the operating distance is Notes concerning use: □ Replace all old batteries with new ones at the same Caution: time. □ Do not mix old and new batteries.

reduced or if the operation becomes erratic. Purchase 2 "AAA" size batteries (UM/SUM-4, R03, HP-16 or similar). □ Periodically clean the transmitter on the remote control and the sensor on the unit with a soft cloth. □ Exposing the sensor on the unit to strong light may interfere with operation. Change the lighting or the direction of the unit if this occurs.

□ Keep the remote control away from moisture, heat, shock, and vibrations. General Control ON/STAND-BY □ To turn the power on Press the ON/STAND-BY button to turn the power on. VOLUME After use: Press the ON/STAND-BY button to enter the power standby mode. □ Volume auto set-in 16 or higher, the volume will start at 16. □ If you turn off and on the main unit with volume set to □ If you turn the unit off then on again with the volume level set to less than 16, it will turn on again at the level set.

□ Volume control Turn the volume knob towards VOLUME +/- (on main unit) or press VOL +/- (on remote control) to increase or decrease the volume. E-3 General Control (continued) □ Extra bass control (X-BASS) Listening to a CD or MP3/WMA disc Press and hold down (X-BASS)/EQ button, the unit will enter the extra bass mode which emphasises the bass frequencies and "X-BASS" indicator will light up. To cancel the extra bass mode, press and hold down (X-BASS)/EQ button again. □ Equaliser Press (X-BASS)/EQ button, the current mode setting will be displayed. To change to a different mode, press the (XBASS)/EQ button repeatedly until the desired sound mode appears. FLAT ROCK No equalization. No equalisation. For rock music. For rock music. For pop music.

For pop music. Vocals are enhanced. Vocals are enhanced. For jazz. For jazz. For classical music. CLASSIC For classical music. POPS VOCAL JAZZ □ Auto power off function The main unit will enter the stand-by mode after 15 minutes of inactivity during: CD / USB: In the stop or pause mode. AUDIO IN: No detection of input signal or very low sound audibility. □ Disc playback □ Muting The volume is muted temporarily when pressing the button on the remote control.

Press again to restore the volume. 1 Press the ON/STAND-BY button to turn the power on. 2 Press the FUNCTION button repeatedly to select CD function. 3 Press the OPEN/CLOSE button on the remote control or button on the main unit to open the disc tray. □ Function 4 Place the disc on the disc tray, label side up.

When the FUNCTION button is pressed, the current function will change to different mode. Press the FUNCTION button repeatedly to select desired selections for playback in the order you like. 2 Select desired file to be played back by pressing the or button. / button. Playback will start.

1 Whilst in the stop mode, press the MEMORY button on the remote control to enter the programming save mode. 3 Press the □ Title, Artist and Album name are displayed if they are recorded on the disc. □ Display content can be changed by pressing the (CLEAR)/DISP button. Note: If the track is skipped during playback, it means "Copyright protected WMA file" or "Not supported playback file" is selected. 2 Press the or button to select the desired track. □ Procedure to playback MP3/WMA disc with folder mode on To play back CD-R/RW. Selected track number 1 Select the CD function, and load an MP3/WMA disc. After disc is loaded, disc info will be displayed. Press the FOLDER button. TOTAL indicator 3 Press the MEMORY button to save the track number.

4 Repeat steps 2 - 3 for other tracks. Up to 32 tracks can Total number of files 2 Press the PRESET ( or ) button, to select desired playback folder. (Folder mode on) be programmed. If you make a mistake, press the MEMORY button repeatedly to select the wrong track then press the (CLEAR)/DISP button. 5 Press the 6 Press the appear. / button to start playback. button. The total number in memory will Folder number or Total files in Folder 3 To cancel the programmed play mode: Whilst in the stop mode and the "MEMORY" indicator is lit, press again the button on the remote control. The "MEMORY" indicator will disappear and all the programmed contents will be cleared. Adding tracks to the programme: If a programme has been previously stored, the "MEMORY" indicator will be displayed.

Follow steps 1 - 4 to add tracks. The new tracks will be stored after the last track of the previous programme. 3 Select desired file to be played back by pressing the 4 Press the button. / button. Playback will start.

□ Folder name, File name, Title, Artist and Album name are displayed if they are recorded on the disc. □ Press the PRESET ( or ) button, and the folder can be selected even though it is in playback mode. It will continue playback mode in the 1st track of the selected folder. □ Display content can be changed by pressing the (CLEAR)/DISP button. Folder name display File name display Counter display Title display Album display Artist display E-6 Listening to a CD or MP3/WMA disc (continued) □ Programmed play (MP3/WMA with folder mode on) Listening to USB mass storage device/MP3 player You can choose up to 32 selections for playback in the order you like.



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1 Whilst in the stop mode, press the MEMORY button on the remote control to enter the programming save mode. 2 Press the PRESET ( or desired folder then press the the desired track. ) button to select the or button to select Selected track number 3 Press the MEMORY button to save the track number. Note: This USB mass storage device or MP3 player is not compatible with MTP and AAC file systems. □ To play back USB/MP3 player 1 Press the FUNCTION button repeatedly to select USB 4 Repeat steps 2 - 3 for other tracks. Up to 32 tracks can be programmed. function. Connect the USB memory device that has MP3/WMA format files on the unit. When the USB memory is connected to the main unit, the device information will be displayed. 5 Press the / button to start playback.

2 Select desired file to be played back by pressing the or button. / button. Playback will start. 6 During programmed playback, press button to stop programmed playback. The total number in memory will appear. 3 Press the □ File name, Title, Artist and Album name are Notes: □ When a disc is ejected, the programme is 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 possible. displayed if they are recorded in the USB memory device. □ Display content can be changed by pressing the (CLEAR) DISP button.

Note: To pause playback: Press the / button. The following functions are the same as CD operation: Page Direct track search . . . .

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.....5 Repeat play .

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.....5 Playback . . . . .

. . . . .6 Programmed play . . . .

. . . . .6 Note: If USB memory device is not connected, "NO MEDIA" will be shown on the display. E-7 Listening to USB mass storage device/MP3 player (continued) □ To remove USB memory device □ This product can play WMA and MP3 files. It will 1 Press the button to stop playback. 2 Press the button again and wait until "OK" displayed.

is □ □ □ □ 3 Disconnect USB memory device from the USB terminal. Notes: □ SHARP will not be held liable for the loss of data whilst the USB memory device is connected to the audio system. @ @ □ This USB memory's format supports FAT 16 or FAT 32. @ @ @ @ @ □ This USB memory cannot be operated via USB hub. @ @ □ External HDD-storage cannot be played back via USB terminal. @ @ @ @ This will take a few seconds. @ @ This product relates to USB mass storage devices and MP3 players. @ @ Should this happen, turn off the unit and then turn it on again. @ @ This unit only supports "MPEG-1 Audio Layer-3" format. @ @ @ @ Bitrate which is supported by MP3 is 32~320 kbps, WMA is 64~160 kbps.

@ @ Files cannot be played back if there is no MP3/WMA extension. Playlists are not supported on this unit. This unit can display Folder Name or File Name up to 16 characters. Maximum total number of MP3/WMA files is 65280. Maximum total number of folders is 255 inclusive of root directory. Folders with non playable files are also counted. @ @ The ID3TAG information supported are TITLE, ARTIST and ALBUM only. @ @ @ @ @ @ @ @ Press the button again to stop the auto tuning. @ @ " " will appear when an FM broadcast is in stereo. @ @ @ @ 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. "PTYI" (Dynamic PTY Indicator) will appear whilst the Dynamic PTY station is received. □ Memorising a station You can store 40 FM stations in memory and recall them at the push of a button. (Preset tuning) 1 Perform steps 2 - 3 in "Tuning". 2 Press the MEMORY button. You can control the RDS by using the buttons on the remote control only. 3 Within 5 seconds, press the PRESET ( or ) button to select the preset channel number. Store the stations in memory, in order, starting with preset channel 1. □ Information provided by RDS 4 Press the MEMORY button to store that station in memory.

If the "MEMORY" and preset number indicators disappear before the station is memorised, repeat the operation from step 2. Each time the RDS DISPLAY button is pressed, the display will switch as follows: 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. Note: The backup function protects the memorised stations for a few hours should there be a power failure or the AC power lead become disconnected. Station name (PS) Programme type (PTY) Frequency Radio text (RT) □ To recall a memorised station 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: NO PS FM 98.80 MHz NO PTY NO RT Press the PRESET ( or ) button for less than 0.5 seconds to select the desired station. □ To scan the preset stations □ The stations saved in the memory can be scanned automatically. (Preset memory scan) 1 Press the PRESET ( or ) button for more than 0.5

seconds.

The preset number will flash and the programmed stations will be tuned in sequentially, for 5 seconds each, or desired station is located. ) button again when the Using the Auto Station Programme Memory (ASPM) 2 Press the PRESET ( □ Whilst in the ASPM operation mode, the tuner will automatically search for new RDS stations. Up to 40 stations can be stored. If you have already stored some stations in memory, the number of new stations you can store will be less. To erase entire preset memory 1 Press the FUNCTION button repeatedly to select TUNER function. 1 Press and hold down the (CLEAR)/DISP button until "TUN CLR" appears. 2 Press and hold down the RDS (ASPM) button on the remote control for at least 3 seconds. 1 After "ASPM" has flashed for about 4 seconds, scanning will start (87.50 - 108.

00 MHz). E-9 Using the Radio Data System (RDS) (continued) 2 When an RDS station is found, "RDS" will appear for a short time and the station will be stored in memory. □ To recall stations in memory To specify programmed types and select stations (PTY search): You can search a station by specifying the programme type (news, sports, traffic programme, etc.) from the stations 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. 1 Press the FUNCTION button repeatedly to select TUNER function. 2 Press the RDS PTY button on the remote control. To stop the ASPM operation before it is complete: Press the RDS (ASPM) button whilst it is scanning for stations. The stations which are already stored in memory will be kept there.



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Notes: □ Any station which has the same frequency as the one Selected PTY code (blinking) will appear for about 6 seconds.

3 Within 6 seconds, press the the PTY code. or button to select 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 preset memory. If no station have been stored in memory, "00 MEM" and "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 channels. In a certain area or during certain time periods, the station names may temporarily be different. Each time the button is pressed, the PTY code will appear. 4 Whilst the selected PTY code is displayed (within 6 seconds), press the RDS PTY button again.

□ Notes for RDS operation □ The unit searches the all preset stations and stops 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, when it finds a station of the selected category then tunes into the stations. The RDS indicator lights up. □ If no programme is found in the all preset stations, 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 be displayed for about few seconds, and then the frequency will be displayed. Notes for radio text: □ The first 8 characters of the radio text will appear for 4 "NO PTY" appear on the display and returns to the previous station. 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 lit for about 4 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 and start again from step 2. The unit will look for the next station. seconds and then they will scroll across the display. □ If you tune in to an RDS station which is not broadcasting any radio text, "NO RT" will be displayed when you switch to the radio text position. □ Whilst radio text data is received or when the text contents change, "RT" will be displayed. E-10 Setting the clock (Remote control only) Timer and sleep operation (Remote control only) Timer playback: The unit turns on and plays the desired source (CD, USB, TUNER or AUDIO IN) at a preset time. □ Timer playback Before setting timer: 1 Check that the clock is set to the correct time (refer to page 10). If it is not set, you cannot use the timer function. 2 For timer playback, load the disc to be played back. 1 Press ON/STAND-BY button to turn the power on. 2 Press and hold (TIMER)/CLOCK button for about 2 In this example, the clock is set for the 24-hour (00:00) display.

seconds. 3 Within 10 seconds, press the 1 Press the ON/STAND-BY button to turn to stand-by mode. or button to select "ONCE" or "DAILY" and then press the MEMORY button. 2 Press and hold the (TIMER)/CLOCK button until "00:00" appear. 4 Press the or MEMORY button. button to set hour then press the 3 Within 10 seconds, press the or button to adjust the hour and then press the MEMORY button. Press the or button once to advance the time by 1 hour. Hold it down to advance continuously. 4 Press the or button to adjust the minutes and then press the MEMORY button. Press the or button once to advance the time by 1 minute.

Hold it down to advance continuously. To confirm the time display: [When the unit is in the stand-by mode] Press the (TIMER)/CLOCK button. The time display will appear for about 5 seconds. [When the power is on] Press the (TIMER)/CLOCK button. The time display will appear for about 5 seconds. Note: The "00:00" will appear when the AC power supply is restored after a power failure or unplugging the unit. Readjust the clock as follows. To readjust the clock: Perform "Setting the clock" from step 1. 5 Press the or button to set minute and then press the MEMORY button. 6 Press the or button to set hour and then press the MEMORY button.

7 Press the or button to set minute and then press the MEMORY button. 8 Press the or button to select wake up source (CD, USB, TUNER, AUDIO IN) then press the MEMORY button. When you select TUNER, select a preset station by pressing the or button, and then press the MEMORY button. If a station has not been programmed, timer setting will be canceled. E-11 Timer and sleep operation (Remote control only) (continued) 9 Adjust the volume using or and then press the MEMORY button. (Do not turn the volume too high). To confirm the remaining sleep time: 1 Whilst "SLEEP" is indicated, press the SLEEP button. The remaining time is displayed for about 10 seconds. To cancel the sleep operation: Press the ON/STAND-BY button whilst "SLEEP" is indicated. To cancel the sleep operation without setting the unit to the stand-by mode, proceed as follows.

10 If "TUNER" is selected, press the MEMORY button to enter the preset selection mode. 1 Whilst "SLEEP" is indicated, press the SLEEP button. 2 Within 10 seconds, press the SLEEP button repeatedly until "SLEEP" indicator disappears. 11 To select a preset channel number, press the button and then press the MEMORY button. or □ To use timer and sleep operation together Sleep and timer playback: For example, you can fall asleep listening to the radio and wake up to CD in the next morning. 12 The " " or "DAILY" indicator lights up. 13 Press the ON/STAND-BY button to enter the power stand-by mode. The TIMER LED indicator light up and the unit is ready for timer playback. 14 When the preset time is reached, playback will start. " " indicator will blink to show timer playback.

The volume will increase gradually until it reaches the preset volume level. 15 When the timer end time is reached, the system will enter the power stand-by mode automatically. Note: This unit will turn on or enter the power stand-by mode automatically. 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 Set the sleep time (see above, steps 1 - 5). 2 Whilst the sleep timer is set, set the timer playback (steps 2 - 10, page 11). Sleep timer setting Timer playback setting End time 10 - 90 minutes Sleep operation will automatically stop Desired time Timer playback start time 1 Press the (TIMER)/CLOCK button repeatedly to view the TIMER ON and TIMER OFF setting.



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Canceling the timer setting: Press and hold down the (TIMER)/CLOCK button until "ONCE" or "DAILY" appears then press MEMORY button. The unit display shows "OFF".

□ Sleep operation The radio, compact disc, USB and AUDIO IN can all be turned off automatically. 1 Play back the desired sound source. 2 Press the SLEEP button. 3 Within 10 seconds, press the SLEEP button repeatedly to select the time. 90 80 70 ... 20 10 4 "SLEEP" will appear. 5 The unit will enter the power stand-by mode automatically after the preset time has elapsed. E-12 Enhancing your system The connection lead is not included.

Purchase a commercially available lead as shown below. Troubleshooting chart Many potential problems can be resolved by the owner without calling a service technician. If something is wrong with this product, check the following before calling your authorised SHARP dealer or service centre. □ General Symptom Possible cause □ Did a power failure occur? □ The clock is not set to the correct time. Reset the clock. (Refer page 10) □ When a button is pressed, the unit does not respond. □ Set the unit to the power □ If the unit still malfunctions, stand-by mode and then turn it back on. reset it. (Refer page 14) "MIN"? Portable audio player, etc. □ No sound is heard.

□ Is the volume level set to □ Are the headphones Audio cable (not supplied) □ Are the speaker wires connected? disconnected? □ □ Listening to the playback sounds of portable audio player, etc. CD player Symptom Possible cause □ Is the disc loaded upside □ Does the disc satisfy the □ Is the disc distorted or □ Playback does not □ Playback stops in 1 Use a connection lead to connect the portable audio player etc. to the AUDIO IN socket. start. down? 2 Press the ON/STAND-BY button to turn the power on.

3 Press the FUNCTION button repeatedly to select AUDIO IN function. the middle or is not performed properly. standards? scratched? □ Playback sounds are 4 Play the connected equipment. If volume level of the connected device is too high, sound distortion may occur. Should this happen, lower the volume of the connected device.

If volume level is too low, increase the volume of the connected device. Note: To prevent noise interference, place the unit away from the television. skipped, or stopped in the middle of a track. □ Is the unit located near □ Is the disc very dirty? □ Has condensation formed excessive vibrations? inside the unit? □ Remote control Symptom Possible cause □ Is the AC power lead of the □ Is the battery polarity □ The remote control does not operate. unit plugged in? □ Headphones □ Do not turn the volume on to full at switch on and listen to music at moderate levels. Excessive sound pressure from earphones and headphones can cause hearing loss. □ Before plugging in or unplugging the headphones, reduce the volume. □ Be sure your headphones have a 3.5 mm (1/8") diameter plug and impedance between 16 and 50 ohms. The recommended impedance is 32 ohms.

□ Plugging in the headphones disconnects the speakers automatically. Adjust the volume using the VOLUME control. correct? □ Are the batteries dead? □ Is the distance or angle incorrect? @@@@Then, set the unit to the power stand-by mode. @@display. connected? Is it an MTP device? Does the device contain AAC file only? Is it a copyright protected WMA file? Is it a false MP3 file? Is Variable Bitrate file being played back? @@Condensation can cause the unit to malfunction. If this happens, leave the power on with no disc in the unit until normal playback is possible (about 1 hour). Wipe off any condensation on the transmitter with a soft cloth before operating the unit. Compact discs are fairly resistant to damage, however mistracking can occur due to an accumulation of dirt on the disc surface. Follow the guidelines below for maximum enjoyment from your CD collection and player. □ Do not write on either side of the disc, particularly the non-label side from which signals are read.

Do not mark this surface. □ Keep your discs away from direct sunlight, heat, and excessive moisture. □ Always hold the CDs by the edges. Fingerprints, dirt, or water on the CDs can cause noise or mistracking. If a CD is dirty or does not play properly, clean it with a soft, dry cloth, wiping straight out from the centre, along the radius.

NO YES Correct □ If problem occurs When this product is subjected to strong external interference (mechanical shock, excessive static electricity, abnormal supply voltage due to lightning, etc.) or if it is operated incorrectly, it may malfunction. If such a problem occurs, do the following: 1 Set the unit to the stand-by mode and turn the power on again. 2 If the unit is not restored in the previous operation, unplug and plug in the unit again, and then turn the power on.

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

Maintenance □ Cleaning the cabinet Periodically wipe the cabinet with a soft cloth and a diluted soap solution, then with a dry cloth. □ Do not use chemicals for cleaning (petrol, paint thinner, Caution: etc.). It may damage the cabinet. □ Do not apply oil to the inside of the unit. It may cause malfunctions. □ Factory reset, clearing all memory 1 Press the ON/STAND-BY button to turn the power on. 2 Press the FUNCTION button repeatedly to select AUDIO IN function. 3 Press the hold down the button on the main unit then press and / button until "RESET" appears. Caution: This operation will erase all data stored in memory including clock, timer settings, tuner preset, and CD programme.

E-14 Specifications As part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units. □ USB □ Complies with USB 1.1 (Full □ Support Bulk only and CBI USB host interface Support file Speed)/ 2.0 Mass Storage Class. protocol. □ General AC 220 - 240 V ~ 50/60 Hz Power on: 18 W Power stand-by: 0.4 W (\*) Width: 180 mm (7 - 3/32") Height: 121 mm (4 - 49/64") Depth: 239 mm (9 - 13/32") 1.60 kg (3.

53 lbs.) □ MPEG 1 Layer 3 □ WMA (Non DRM) □ MP3 (32 ~ 320 kbps) □ WMA (64 ~ 160 kbps) □ Maximum total number of MP3/ □ Maximum total number of folders Power source Power consumption Dimensions Bitrate support Other WMA files is 65280. Weight (\*) This power consumption value is obtained when the main unit is in stand-by mode. is 255 INCLUSIVE of root directory. □ The ID3TAG information supported are TITLE, ARTIST and ALBUM only.

□ Supports ID3TAG version 1 and version 2. File system support □ Support USB devices with □ Amplifier MPO: 16 W (8 W + 8 W) (10% T.H.D.) RMS: 10 W (5 W + 5 W) (10% T.

H.D.) Speakers: 8 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms) Output power Output terminals Microsoft Windows/DOS/FAT 12/ FAT 16/ FAT 32.



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□ 2 kbyte block length for sector. □ Tuner Frequency range FM: 87.5 - 108 MHz Input terminals AUDIO IN (Analogue input): 500 mV/47 k ohms □ Speaker 1-way type speaker system 9 cm (3 - 35/64") Full range 10 W □ CD player Single disc multi-play compact disc player Non-contact, 3-beam semiconductor laser pickup Type Maximum input power Impedance Dimensions Weight 90 dB (1 kHz) Type Signal readout Rated input power 5 W 8 ohms Width: 110 mm (4 - 21/64") Height: 195 mm (7 - 11/16") Depth: 149 mm (5 - 7/8") 0.98 kg (2.16 lbs.)/each D/A converter Multi bit D/A converter Frequency response Dynamic range 20 - 20,000 Hz E-15 .



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