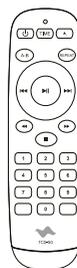
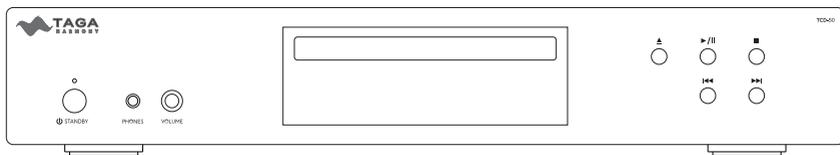




TAGA
H A R M O N Y

TCD-50

HI-FI CD PLAYER



Instruction Manual

Introduction

Thank you for purchasing this TAGA Harmony CD player.

The TCD-50 is a Hi-Fi CD player featuring a high quality digital to analogue converter and made for those who wish to get the very best from their CD collection.

KEY FEATURES:

- Elegant design utilizing an **aluminum front panel** to match with most devices.
- High quality digital to analogue converter utilizing the **critically acclaimed ESS SABRE ES9018 Reference 32-bit DAC** with Hyperstream™ architecture and Time Domain Jitter Eliminator.
- Oversized 35W **toroidal power transformer**.
- **Outputs:** 2 analog (RCA unbalanced and XLR balanced) and 2 digital (Optical, Coaxial).
- **Gold-plated high-end solid machined brass RCA sockets and gold-plated XLR socket pins** ensure the best signal transmission.
- **Oxygen Free Copper wiring for all RCA and XLR outputs** (incl. the Coaxial output) to enhance the sound quality.
- **Headphone output with volume regulation** for those who prefer discrete listening.
- Clear **VFD display**.
- Full functional **remote controller**.

Cleaning

Do not use strong or abrasive cleaners. Use a dry, soft cloth for cleaning.

Specifications

Full technical specifications are available on the www.TagHarmony.com website.

Contents

Safety Instructions	3
Remote controller	5
Front and Rear Panel	6
Hooking Up the CD Player	8
Operation	9
CD Discs - Handling / Cleaning / Storing	11
Specifications	12

Safety Instructions

IMPORTANT
READ THIS SECTION CAREFULLY BEFORE PROCEEDING!



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The triangle containing a lightning symbol is intended to alert the user to the presence of uninsulated dangerous voltages within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



An exclamation mark in a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Class 1 Laser Product

- This unit utilises a laser. Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Before moving the unit, ensure the disc tray is empty.
- Always remove the disc when the unit is not in use.
- Failure to do so will risk severely damaging the disc and the unit.
- Do not stack devices, heat from other devices may affect the performance of the unit.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE, AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS APPARATUS.

CAUTION: TO PREVENT ELECTRIC SHOCK, FULLY AND SECURELY INSERT THE POWER CABLE PLUG INTO THE POWER OUTLET, AND POWER CABLE CONNECTOR INTO THE UNIT SOCKET (IF THIS UNIT IS NOT EQUIPPED WITH AN INTEGRATED [ATTACHED] POWER CORD).

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE THE FUSE (IF THE UNIT IS EQUIPPED WITH A USER REPLACEABLE FUSE) ONLY WITH THE SAME AMPERAGE AND VOLTAGE TYPE. IN CASE WHEN THE UNIT IS NOT EQUIPPED WITH A USER REPLACEABLE FUSE - REFER REPLACEMENT TO QUALIFIED SERVICE PERSONNEL.

WARNING: THE UNIT MAY BECOME HOT. ALWAYS PROVIDE ADEQUATE VENTILATION TO ALLOW FOR COOLING. DO NOT PLACE THE UNIT NEAR A HEAT SOURCE, OR IN SPACES THAT CAN RESTRICT VENTILATION.

Safety Instructions

1. Read Instructions - All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug this product from the power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
6. Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool; and the like. These precautions also apply to the power cord.
7. Accessories - Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
8. Ventilation - This unit may be equipped with slots and openings in the cabinet (housing) which are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should be not placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. For products equipped with a separate power supply unit, leave at least 5cm (2in.) of free space on all sides and the top of the power supply.
9. Power Sources - This product should be operated only from the type of power source indicated on the marking label (placed on the product and/or, if applicable, on a separate power supply unit). If you are not sure of the type of power supply in your home, consult your product dealer or local power company. For products intended to operate from battery power or other sources, refer to the operating instructions.
10. Grounding and Polarity - some units for proper operation or to take full advantage of their capabilities may require to be connected to a grounded power outlet - refer to the user manual for more information.
Some units may have markings for the live (L) and neutral (N) conductors for power - in order to take full advantage of capabilities of such products, it is recommended to properly connect the polarity according to the markings on the unit - refer to the user manual for more information. Connecting the polarity not in accordance with the markings will not affect the durability and reliability of the device.
11. Power-cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the product.
12. Lighting - For added protection for this product during a lighting storm or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or system cables. This will prevent damage to the product due to lighting and power-line surges.
13. Overloading - Do not overload wall outlets, extension cords or integral convenience receptacles as this can result in a risk of fire or electric shock.
14. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Do not expose this apparatus to dripping or splashing and ensure that no objects filled with water, such as vases are placed on the apparatus.
15. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
16. Damage Requiring Service - Unplug this product from wall outlet and refer servicing to qualified personnel under the following conditions:
 - when power supply cord or plug is damaged;
 - if liquid has been spilled or objects have fallen into the product;
 - if the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will require extensive work by a qualified technician to restore the product to its normal operation;
 - if the product has been dropped or damaged in any way;
 - if the product exhibits a distinct change in performance - this indicates a need for a service.
17. Replacement Parts - when replacement parts are required, be sure the technician has used replacement parts specified by the manufacturer or with the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
18. Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety check to determine that the products is in proper operating condition.
19. Wall of ceiling mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
20. Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.
21. [Refer to products equipped with vacuum tubes] Tube Cage or cover - For your safety and to protect the vacuum tubes this product may be equipped with the factory installed vacuum tube cage or cover.
It is not recommended to remove the cage or cover unless it is required to change the vacuum tubes.
When the cage or cover is removed - do not touch the vacuum tubes - they may be hot and burn the skin!
22. Operating Environment - Operating environment temperature and humidity of the unit: +5°C to +35°C (+41°F to +95°F); less than 85% RH (cooling slots not blocked).

Remote Controller

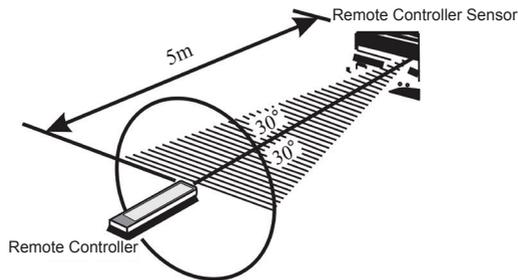


- Always use AAA batteries and do not use the rechargeable batteries.
- Do not mix new batteries with old batteries or different kinds of batteries.
- If the batteries run out, remove the old batteries and replace them with new ones within several minutes.
- If the batteries are placed incorrectly, they can cause explosion.
- Remove the batteries if the remote control is not used for a long period of time.
- Do not handle and store the batteries together with metallic tools.

Battery Installation

1. Prepare two AAA batteries (not provided with this product).
2. Remove the rear cover.
3. Insert the batteries into the battery compartment. Carefully follow the polarity diagram inside the battery compartment (positive + and negative - symbols).
4. Reinstall the rear cover.

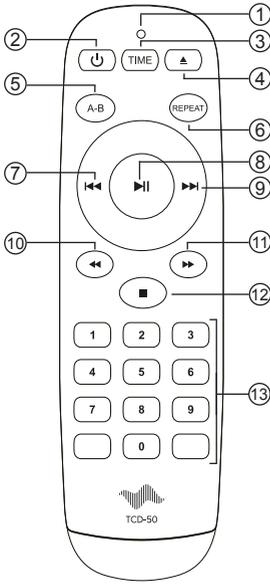
Operating Range



Use the remote controller by aiming it at the remote controller sensor. The remote controller can operate in the maximum range of 5 meters away from the amplifier and within 30 degrees from the axis of the controller sensor.

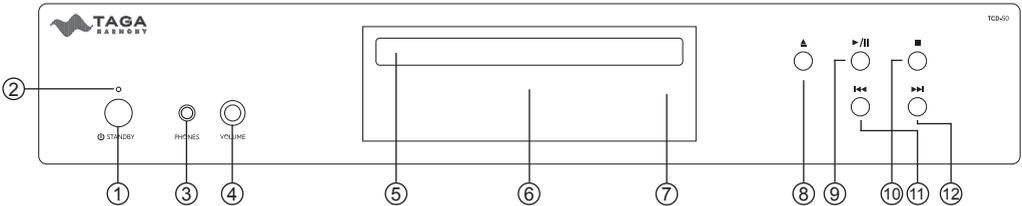
Note! Exposing the remote controller sensor to direct sunlight or strong light may cause faulty operation.

Remote Controller



1. Signal LED Indicator
The Indicator flashes after each button is pressed indicating that the remote controller is transmitting the signal.
2. Standby Button (⏻)
3. Time Button (TIME)
4. Open/Close Button (▲)
5. Repeat A-B Button (A-B)
6. Repeat Play Button (REPEAT)
7. Previous Button (◀◀)
8. Play/Pause Button (▶||)
9. Next Button (▶▶)
10. Search Backward Button (◀◀)
11. Search Forward Button (▶▶)
12. Stop Button (■)
13. Number Buttons (0-9)

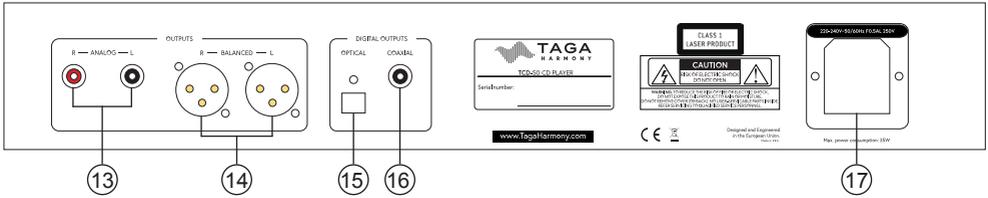
Front and Rear Panel



Front Panel:

1. Standby Button
2. Standby LED Indicator
3. Headphone 3.5 mm (1/8") Output
4. Headphone Output Volume Regulator Knob
5. Disc Tray
6. Display
7. Remote Controller Sensor
8. Open/Close Button
9. Play/Pause Button
10. Stop Button
11. Previous Button
12. Next Button

Front and Rear Panel



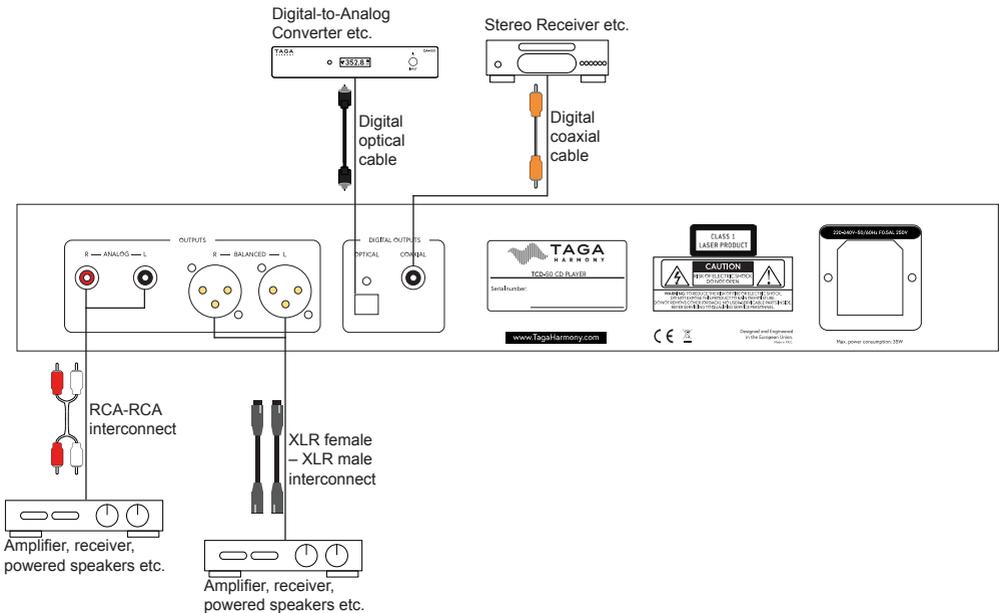
Rear Panel:

- 13. Analog Stereo RCA output
- 14. Analog Balanced Stereo XLR output
- 15. Digital Optical Output
- 16. Digital Coaxial Output
- 17. Power Cable Input and Fuse Box



A blown fuse should be only exchanged for exactly the same type as indicated on the rear panel.
The Power Cable should be disconnected!

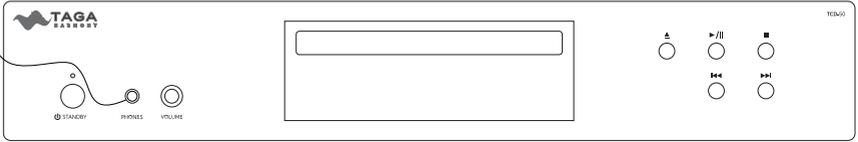
Hooking Up the CD Player



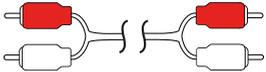
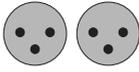
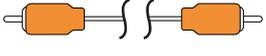
Hooking Up the CD Player



Headphones



1. Make sure the CD Player is turned off (the Power Cable is disconnected from the electrical outlet).
2. Make sure that external equipment which will be connected to the CD Player is turned off.
3. If you want to listen to music via headphones: connect the headphones to the Phones output.
Check „Headphones connection (PHONES)” for more details.
4. External audio equipment connection options:

Signal	TCD-50 Output	Audio equipment Input	Connection Cable
Analog	R-Analog-L 	RCA sockets 	RCA-RCA interconnect (not supplied) 
	R-Balanced-L (male sockets) 	XLR female sockets 	XLR female - XLR male interconnect (not supplied) 
Digital	OPTICAL 	Optical socket 	Optical cable (not supplied) 
	COAXIAL 	Coaxial socket 	Coaxial cable (not supplied) 

The sockets and ports shown for external equipment and connection options may differ depending on the device.

5. Your CD Player is ready for operation.

Operation

Plug the Power Cable to the CD Player and into the electrical outlet.

Switching ON / OFF

When you connect the CD Player to the electrical outlet for the first time, it will be in the Standby mode. The Standby LED Indicator will be illuminated.

ON

- Press the  **Standby** button to switch the CD Player on.
The Standby LED Indicator will switch off.
- If there is no CD disc inserted, the info [NO DISC] will be shown on the display after a while.
- If there is a CD disc inserted, the info about the CD disc [Number of tracks – Total time] will be shown on the display after a while.

Note! This CD Player reads only CD-Audio discs. Other formats are not supported.

Playable media: CD, CD-R, CD-RW. Non-finalized discs cannot be played.

CD-Audio discs exceeding capacity of 74 minutes may not be played correctly (especially last tracks).

OFF

- Press the  **Standby** button to switch the CD Player off.
The Standby LED Indicator will be illuminated.
- The Display will be switched off.



Some internal circuits of the device are powered even in the standby mode. When you plan leaving home or going away for longer disconnect the power cable from the device.

CD Discs Playing

1. Press the  button to open the disc tray and place the CD disc on it (with the printed side up).
2. Press the  button to close the disc tray, after the CD disc is read correctly, info about the disc [Number of tracks – Total time] will be shown on the Display.
Note! When the disc tray is open, please press the  button to close it and start playing the disc automatically.
3. Press the  to start playing.
4. Press the  to temporarily stop the playing – the info on the display will be blinking. Press the button again, it will continue to play.
5. Press the  button to stop the disc playing.



Do not place any foreign objects on the disc tray. Do not push the disc tray in by hand when the CD Player is switched off. This may damage this device.

Skip to Track

- During playback: press the  /  buttons once or more to skip to the previous / next track on the disc.
- During stop: press the  /  buttons to choose the track you want to start playing with. The playback will start automatically after a while.
- During pause: press the  /  buttons to choose the track you want to start playing with. Press the  to start playing.

Operation

Search

During playback: press and hold the ◀ / ▶ buttons to search for the position that you intend to continue playing.

Release to resume normal play.

Repeat A-B

This function allows to constantly play the content between two selected points: A [start] to B [end].

• During playback: press the **A-B** button to select the start point and press it again to select the end point.

The info [A - b - Repeat time] will be shown on the display.

Note! You can pause and resume playing using the ▶| button.

• Press the **A-B** button again or one of the following buttons (◀◀ / ▶▶, ◀ / ▶, ■, ▲) to disactivate this function.

Note! During pause: pressing the **A-B** button will resume playing and set the start point (A) from the point where the playback was previously paused.

Repeat Play

Switching between ALL-track repeat and ONE-track repeat.

The function may be only activated during the playback or pause.

• First press: to repeat the all tracks.

The info [R ALL] will be periodically displayed on the display.

• Second press: to repeat the current track.

The info [R ONE] will be periodically displayed on the display.

• Third press or the ■ button: disactivates this function.

The info [R OFF] will be displayed on the display for a while.

Note! When a single track is repeated, press the ◀◀ / ▶▶ buttons, to skip to the previous / next track on the disc – the selected track will be repeated.

Direct Track Selection

The **0-9** buttons allow to select a specific track on the CD disc.

For instance: to select track number 12, press 1 and then 2 buttons etc.

• During playback: press the **0-9** buttons to start playing from the selected track.

• During stop and pause: press the **0-9** buttons to start playing from the selected track.

The playback will start automatically after a while.

Time Display

Time display switching function.

NO PLAYING (STOPPED): [Total number of tracks on the CD disc - Total CD disc time]
PLAYING or PAUSED

The track number or [A-b] (if this function is selected), is displayed in the first position.

Each **TIME** button press is switching between [Elapsed track (or A-b) time] -> [Remaining track (or A-b) time] -> [Remaining total CD disc time]

Note! The time displayed on this unit may differ from the actual time, as it is calculated by rounding.

Operation

Headphones connection (PHONES)

When headphones are plugged into the headphone output (Phones) the transmission of sound to all outputs is still active.

The volume of the headphones is regulated by the Headphone Output Volume Regulator Knob [from zero: the knob in the max counterclockwise position].



Listening at high volume may cause hearing damage.

CD Discs - Handling / Cleaning / Storing

Handling of CD discs



Playback side



- Do not touch the playback side of the disc.
- Do not attach paper or tape to the disc.

Cleaning Discs



- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.
- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzene, commercially available cleaners or antistatic spray. They may damage the disc.

Storing Discs

- Do not store discs in places subjected to direct sunlight or near heat sources.
- Do not store discs in places subjected to moisture and dust such as a bathroom or near a humidifier.
- Storing discs vertically in a case, stacking discs or placing objects on discs outside of their cases may cause warping.

Kit Content

We strongly advise to contact a professional installer or dealer in order to install TAGA Harmony products.

We recommend using high quality TAGA Harmony cables and other installation accessories.

Kit Content:

CD Player	1EA
Power Cable	1EA
Instruction Manual	1EA

Specifications

Compatible CD formats	CD-Audio (playable media: CD, CD-R, CD-RW)
DA converter	ESS SABRE ES9018
Analog filter	2 Pole Fully Differential Linear Phase Bessel filter
Digital outputs	Optical, Coaxial [up to 44.1kHz/16bit]
Analog outputs	STEREO: UNBALANCED (RCA), STEREO: BALANCED (XLR)
Headphone output	Impedance: 32ohm Output power: ≤30mW, 32ohm Variable [0-30mW @32ohm 0-50mW @600ohm]
Frequency response	20Hz - 20kHz (±1dB)
Total Harmonic Distortions	<0.005% (A-Weighted) @1kHz 0DBFS < 0.005% (2.0V 1kHz)
Signal / Noise ratio	>110dB (A-Weighted)
Crosstalk	<-100dB @1kHz
AC power / power consumption	220-240V 50/60Hz Standby <0.5W Operation max 35W
Dimensions (H x W x D)	7 x 43 x 32 cm
Weight	5.3 kg / pc.

We reserve the right to change the technical data and the design of the product without notice as a result of further development.

EU declaration of conformity



Your product is marked with the symbol shown on the left.
As its manufacturer, hereby we declare that the product is in compliance with the following EU directives and regulations:
2014/30/EU (EMC) & 2014/35/EU (LVD) & 1275/2008/EC (ErP)
& 2015/863/EU (RoHS)

The full text of the EU declaration of conformity is available from the manufacturer.

Disposal of the product

Disposal of old electrical & electronic equipment (applicable in the European Union and other countries with separate collection systems)



This symbol on the product or on its literature and packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the appropriate collection point for the recycling of electrical and electronic equipment. By ensuring that this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health, which could be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local government office, your household waste disposal service or the shop where you purchased the product.

Disposal of waste batteries (applicable in the European Union and other countries with separate collection systems)



This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbol for lead (Pb) is added if the battery contains more than 0.004 % lead. By ensuring that these batteries are disposed of correctly, you will help to prevent potentially negative consequences for the environment and human health which could be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the appropriate collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the appropriate collection point for the recycling of waste batteries. For more detailed information about recycling of this battery, please contact your local government office, your household waste disposal service or the shop where you purchased the product or battery.

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Notes

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