

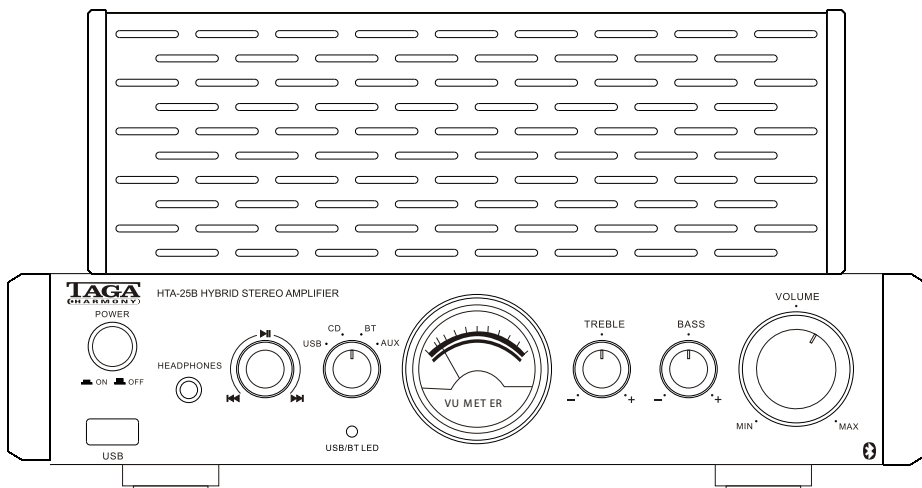
TAGA[®]

CHARMONY

To Achieve Glorious Acoustics

HTA-25B

HYBRID INTEGRATED AMPLIFIER



Instruction Manual

Introduction

Thank you for purchasing this TAGA Harmony amplifier.

TAGA Harmony hybrid amplifier is a combination of two different techniques to create an amplifier in one device: the World of tubes and the World of transistors.

TAGA Harmony HTA-25B is a 25W / 4ohm high-fidelity but still affordable hybrid integrated amplifier utilizing two 6P1 and two 6N1 tubes in the preamp section and transistors at the output. This solution ensures a very warm, linear and lifelike sound with high dynamic presentation at the same time.

The high class, gold-plated speaker terminals offer almost lossless audio signal transmission to the speakers.

The HTA-25B offers a variety of different connections both wired and wireless:

- **2 analog inputs** with gold-plated sockets.
- **USB input** to quickly and easily play music from USB flash drivers (supports MP3 / WMA / WAV and APE files).
- **Bluetooth®** - to wirelessly stream music from smartphones, tablets or computers.
- **REC output** for external recording device or powered speakers or subwoofer.
- **Headphones output** for those who prefer discrete listening.

The removable IEC power cable gives an option to upgrade your system with a premium audiophile power cable in any time.

The HTA-25B combines the analog sound of tubes with the power of transistors to give the best sound at the price!

Cleaning

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

Specifications

Full technical specifications are available on the www.taga-audio.com website.

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Safety Instructions

IMPORTANT

READ THIS SECTION CAREFULLY BEFORE PROCEEDING!

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

	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.
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	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.
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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, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

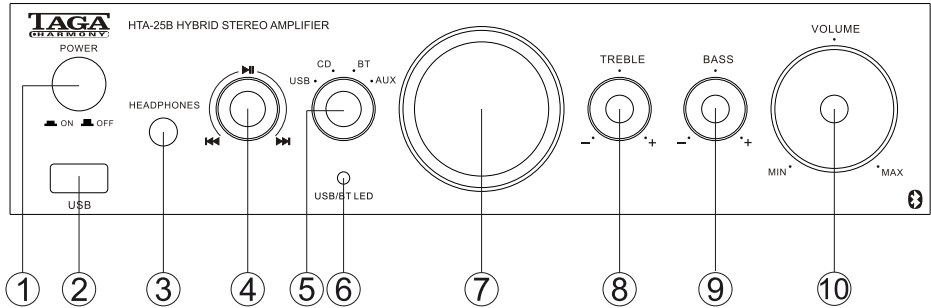
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE THE FUSE ONLY WITH THE SAME AMPERAGE AND VOLTAGE TYPE. REFER REPLACEMENT TO QUALIFIED SERVICE PERSONNEL.

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

Important Safety Instructions

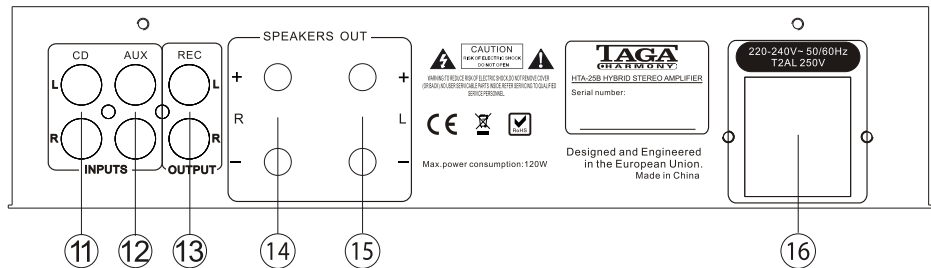
1. Read Instructions – All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp, soft cloth for cleaning.
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.
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 manufacture, or sold with the product. Any mounting of the product should follow manufacture's instructions and should use a mounting accessory recommended by the manufacture.
8. Ventilation - Slots and openings in the cabinet 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 not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacture's instructions have been adhered to.
9. Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to 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 Polarization - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
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. Lightning - For added protection for this product during a lightning 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 cable systems. This will prevent damage to the product due to lightning and power-line surges.
13. Overloading - Do not overload wall outlets, extensions 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 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 service.
17. Replacement Parts - When replacement parts are required, be sure the technician has used replacement parts specified by the manufacturer or have 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 checks to determine that the product is in proper operating condition.
19. Wall or 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. [Refers to products equipped with vacuum tubes]
Tube Cage - For your safety and to protect the vacuum tubes this product may be equipped with the factory installed vacuum tube cage.
It is not recommended to remove the cage unless it is required to change the vacuum tubes.
When the cage is removed - do not touch the vacuum tubes - they may be hot and burn the skin!

Front and Rear Panel



Front Panel:

1. Power Switch (ON and OFF) and Power Status Indicator (around the Power Switch)
2. USB Stick Input
3. Headphone 1/4" Jack Output
4. USB and Bluetooth Knob (Play/Pause, Next/Previous)
5. Input Selector (USB, CD, Bluetooth, AUX)
6. USB/Bluetooth Input Status Led Indicator
7. VU Meter
8. Treble Regulator
9. Bass Regular
10. Volume Regulator



Rear Panel:

11. CD Stereo RCA Input
12. AUX Stereo RCA Input
13. REC Output
14. Speaker Right Channel Output (Speaker Connectors)
15. Speaker Left Channel Output (Speaker Connectors)
16. Power Cable Input and Fuse Box

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

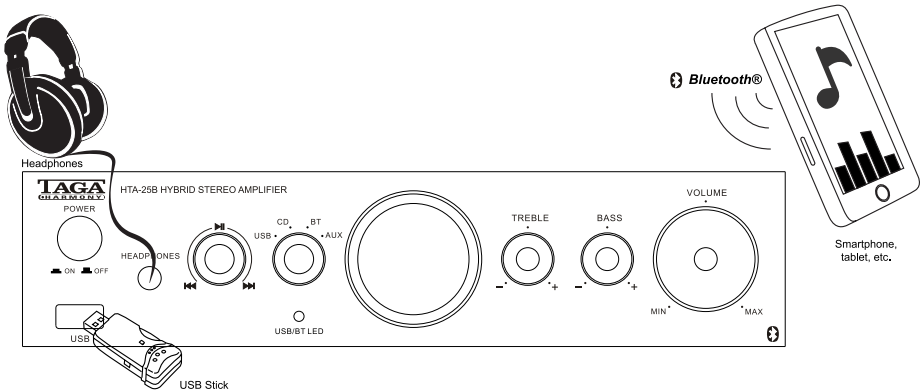
Hooking Up Speaker Cables

The Speaker Connectors can accommodate up to 10AWG speaker cables as well as most of popular plugs (banana etc.). A 10AWG cable is recommended for longer connections (longer than 20 meters / 66 feet). For shorter lengths you can use 12/14 or 18 AWG cables. It is recommended to leave about 150 cm (5 feet) of extra cable at the amplifier end to facilitate positioning and installation of the amplifier. Do not use staples, nails or other metal objects to secure the cables. You will get the best sound quality and least amount of hum by keeping the cables away from other electrical wires and cables.

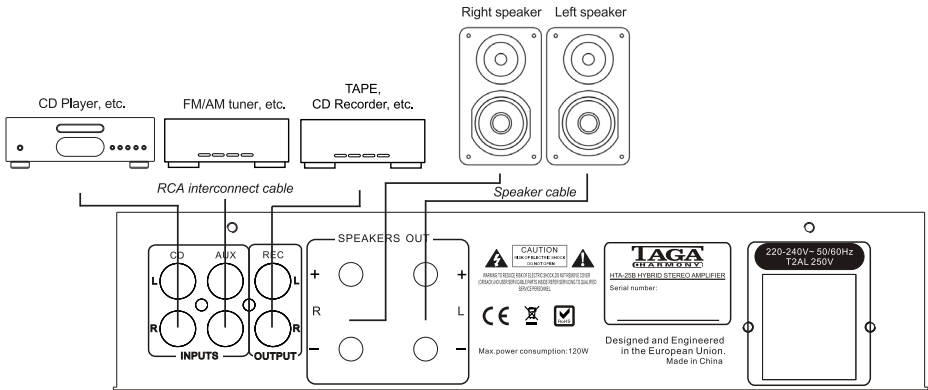
Pay attention to connecting the polarity of the amplifier correctly with the speakers in each speaker group (speakers should be connected RED + with RED + amplifier connector, BLACK – with BLACK – amplifier connector).


Before connecting make sure that your amplifier is turned off.
Please refer to your speaker instruction manual for more information.

Hooking up the Amplifier




Hooking up the Amplifier




1. Make sure the amplifier is turned off (the Power Switch is in the top position  OFF and the Power Cable is removed).
2. Turn the Volume Regulator to MIN (max counter clockwise).
3. Using speaker cables (not supplied with this product) connect your speakers to SPEAKERS OUT connectors located on the rear of the amplifier (check “Hooking Up Speaker Cables” for more details).
4. If you want to play an analog audio source device (CD player, satellite or FM tuner, video console etc.) : using RCA interconnect cables (not supplied with this product) connect it to the analog CD or AUX inputs on the rear of the amplifier.
5. If you want to play a digital audio files connect a USB stick (no supplied with this product) to the USB Stick Input on the front of the amplifier. Make sure that this amplifier supports the files you want to play.
6. If you want to connect a recording device (Tape or CD recorder etc.) or powered speakers or subwoofer: using RCA interconnect cables (not supplied with this product) connect it to the analog REC output on the rear of the amplifier.
7. If you want to wirelessly stream music via **Bluetooth**® make sure to prepare a compatible source device (smartphone, tablet, computer etc.).
8. Your amplifier is ready for operation.

Note! Avoid to short-circuit of cables – it can damage this amplifier or speakers. This may void your warranty.

 Use only 4~8 ohms impedance speakers

Note! Only speakers within range of impedance 4 - 8ohm can be connected. Connecting speakers outside this range can damage this amplifier and/or speakers. This may void your warranty.

Operation




1. Plug the Power Cable to the amplifier and into the electrical outlet.
2. Turn on the amplifier – press the Power Switch (the Power Switch should be in the down position  ON).
The status LED around the Power Switch should turn orange in a few seconds. If it does not, it means that the amplifier is working under an abnormal condition (a protection mode) – turn off the power, unplug the Power Cable and check whether some of the cables are not short circuited.
After fixing the cables turn the amplifier on.
3. Using the Input Selector knob select which audio source you want to play (corresponding to the selected input).
4. Turn on your audio source and start playback.
5. Regulate volume on the amplifier to adjust the level of sound.

Note! Check “Additional Information” for other useful operating instructions.

Note! High volume levels can damage this amplifier and/or speakers. This may void your warranty.

Play from USB Stick:

This amplifier can play music from most USB sticks and supports most MP3 / WMA / WAV / APE audio files.

1. Using the Input Selector knob select the USB input. If the USB stick is not inserted then the USB/Bluetooth Input Status Led Indicator will start flashing.
2. Insert the USB stick into the USB Input socket located on the front of the amplifier.
3. When compatible music files are detected then the playback will start automatically.
In the Play mode the USB/Bluetooth Input Status Led Indicator will lit continuously.
4. Press the USB Knob  once to pause the playback.
Press it again to resume the playback.
In the Pause mode the USB/Bluetooth Input Status Led Indicator will start flashing.
5. Rotate the USB Knob  clockwise to play the next song. If the last song is detected the playback will start from the first one on the USB stick (check “Order of file playback”).
6. Rotate the USB Knob  counterclockwise to play the previous song. If the first song is detected the playback will start from the last one on the USB stick (check order of file playback).

Order of file playback:

The music files are always played in accordance with their alphabetical order on the USB stick and its folders. Usually the playback starts from the files stored directly on the USB stick (which are not placed in the folders) and then the playback is continued for the files stored in the folders according to a folder order on the USB stick.

Note! Depending on a USB stick type, format and number or arrangements of folders and files some music files will be played differently or will not be recognized by the amplifier.

Note! We recommend to change input to other one before removing the USB stick.

Operation

Bluetooth® Connection:

1. After the amplifier is switched on - the built-in **Bluetooth®** receiver is waiting to be paired with a **Bluetooth®** source.
2. Select BT input by rotating the Input selector knob – the USB/Bluetooth Input Status Led Indicator will start flashing.
3. Select **Bluetooth®** on your audio source (smartphone, laptop etc.) and start scanning for available **Bluetooth®** devices.
After a short time “HTA-25B” will appear on the screen of your audio source.
4. Select “Pair” on your audio source to connect with the amplifier.
5. HTA-25B will now be ready to play your music wirelessly within a range of approximately 7 meters.
6. Start playback on your audio source.
In the Play mode the USB/Bluetooth Input Status Led Indicator will lit continuously.
7. You can play / pause music or change songs directly in your audio source or via the USB and Bluetooth Knob on the front panel of the amplifier:
 - Press the USB and Bluetooth Knob ►|| once to pause the playback.
In the Pause mode the USB/Bluetooth Input Status Led Indicator will start flashing
Press it again to resume the playback.
 - Rotate the USB and Bluetooth Knob ►► clockwise to play the next song.
 - Rotate the USB and Bluetooth Knob ◄◄ counterclockwise to play the previous song.

Note: Please refer to your audio source user instruction for details on operating the **Bluetooth®**.

Operation and names of specific functions can vary on different devices.

Make sure to avoid obstacles between the audio source and the amplifier – it can worsen or interrupt the sound transmission.

Important Notes - Bluetooth® Connection

- As long as the amplifier is not switched off for longer than 10 seconds – the current **Bluetooth®** connection is active (even if you change the input). After that time the connection is lost and you will have to repeat the pairing procedure.
- When you move away from the working range of the HTA-25B **Bluetooth®** receiver for longer than 60 seconds, the current **Bluetooth®** connection will be lost and you will have to repeat pairing procedure. Within 60 seconds the connection can be automatically reconnected.
- When you want to use another **Bluetooth®** audio source than currently active, you have to disconnect the active connection and start the **Bluetooth®** connection procedure.

Volume Regulator:

You can adjust the sound volume from minimum (the knob – max counterclockwise) to maximum (the knob – max clockwise). Distortion and sound quality worsening may occur when the knob is in the maximum position. It may damage the amplifier or speakers. This may void your warranty.

Operation

Bass Regulator:

You can adjust bass output of the amplifier. The default: the knob is in the center position : the marker on the knob in the vertical position. Turn the knob counterclockwise (-) to decrease the amount of low frequencies. Turn the knob clockwise (+) to increase the amount of low frequencies (+).

Treble Regulator:

You can adjust treble output of the amplifier. The default: the knob is in the center position : the marker on the knob in the vertical position. Turn the knob counterclockwise (-) to decrease the amount of high frequencies. Turn the knob clockwise to increase the amount of high frequencies (+).

Input Selector:

You can select one of four available audio inputs (USB, CD, Bluetooth, AUX).

Headphones Connection:

When headphones (not supplied with this product) are plugged to the headphone input (Headphones) the transmission of sound to the speakers is switched off. The REC output is still active.

The volume of the headphones is regulated by the Volume Regulator.

All sound regulations (Bass / Treble) will affect the sound transmitted to the headphones.

Note! Listening at high volume can cause hearing damage.

REC Output:

This output is used to record audio from the amplifier on an external device.

The output audio signal level is fixed (is not regulated by the Volume Regulator).

VU Meter:

The VU Meter is displaying a representation of the current signal level (it is affected by Volume / Bass and Treble regulations).

Additional Information

Break-In

Your TAGA Harmony amplifier sounds great immediately after it is taken out of the carton but as all hybrid amplifiers, this amplifier requires a “break-in” period to reach its full sonic capabilities.

During the “break-in” period it is recommended to operate the amplifier at moderate volume levels.

The first level of the “break-in” is reached after approximately 10 hours of play.

The optimal level of the “break-in” is reached after approximately 40 to 60 hours of play.

It is recommended to avoid one-time short periods of operation unless the amplifier reaches the first “break-in” level. When the amplifier is turned on, it should operate for around 4-6 hours.

Additional Information

Turn off procedure

Make sure to turn off the amplifier first when powering down your system.

Note! If the amplifier was turned off even for a short period of time, you should wait at least 2 minutes before turning it back on. Do not turn it ON then OFF and then ON again in quick succession.

Follow this procedure each time you turn your amplifier OFF / ON. This precaution will minimize the stress (high voltages) on internal components.

Tube Cage

For your safety and to protect the vacuum tubes this amplifier is equipped with the vacuum tube cage which is factory installed.

It is not recommended to remove the cage unless it is required to change the vacuum tubes.

When the cage is removed - do not touch the vacuum tubes - they may be hot and burn the skin!

To remove the cage:

1. Turn off the amplifier.
 2. Unplug the Power Cable from the electrical outlet.
 3. Wait for approximately 30 minutes to cool down vacuum tubes.
 4. Unscrew and remove 2 screws which are located on the rear bottom frame of the tube cage.
 5. Remove the cage by pulling it in upward.
- Make sure to reinstall the cage for the regular operation.

Vacuum Tube Replacement

The lifetime of vacuum tubes may vary and depends on their operation time and ambient temperature, playback volume levels and the number of on and off cycles.

Note! The warranty time for vacuum tubes is shorter than for other components of this device - for more details check your warranty terms or contact a local dealer.

Replacement vacuum tubes are not supplied with this product.

To replace the vacuum tube:

1. Remove the tube cage – check “Tube Cage” for more details.
2. Make sure that the vacuum tubes are cool.
3. To protect the vacuum tubes during this operation, please put on the cotton gloves which are supplied with this product.
4. The vacuum tubes are installed in sockets. Remove the vacuum tube you want to replace by gently pulling it in upward.
5. Make sure to replace the vacuum tube with the same type or with another type which is a direct equivalent of the factory installed one.
Gently but firmly place the new vacuum tube in the socket.
6. Make sure to reinstall the cage for the regular operation.

Specifications

Power Output:	2 x 18W RMS / 8ohm 2 x 25W RMS / 4ohm Class A/B
Vacuum Tubes:	2 x 6P1, 2 x 6N1
THD:	Less or equal 0.5% (1kHz 1W)
Signal/Noise ratio:	≥80dB
Frequency Response:	20Hz – 20kHz
Inputs:	Analog: RCA stereo CD, AUX Digital: USB (MP3 / WMA / WAV / APE audio files)
Outputs:	RCA stereo REC
Connectivity Wireless:	Bluetooth® v4.0
Headphones:	20mW(32ohm) ; THD 0.5% ; Frequency response : 100Hz – 15kHz (+/-3dB)
AC Power, Power Consumption:	220V-240V 50/60Hz, 120 W
Dimensions (H x W x D):	13.8 x 26.4 x 29.8 cm
Weight (net):	4.2 kg / pc.

Bluetooth® is a registered trademark of Bluetooth SIG., Inc

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

Notes

Notes

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

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

Kit Content:

Amplifier	1EA
Power Cable	1EA
Cotton Gloves	1PAIR
Instruction Manual	1EA



Your product is marked with the symbol as showed on the left.
For EU (European Union) member users:
This product has been tested and found in compliance with requirements of the European Community 2014/30/EU (EMC) & 2014/53/EU (R&TTE) & 2014/35/EU (LVD) directives.



IMPORTANT!

Your product is marked with the symbol as showed on the left.
For EU (European Union) member users:

According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

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