

TAGA HARMONY TAV-506

User Manual

TAGA HARMONY TAV-506 540W 5.0 CHANNEL WIRED SPEAKER SYSTEMS

Model: TAV-506



Introduction

Thank you for choosing the TAGA HARMONY TAV-506 5.0 Channel Wired Speaker Systems. This manual provides essential information for the proper setup, operation, and maintenance of your new speaker system. Please read it thoroughly before use to ensure optimal performance and longevity of your product.

Product Overview and Features

The TAGA HARMONY TAV-506 system is a high-quality 5.0 channel speaker set designed to deliver immersive audio. It includes two floorstanding speakers, two surround speakers, and one center speaker.



Image: The complete TAGA HARMONY TAV-506 5.0 channel speaker system, showcasing the two tall floorstanding speakers, two compact surround speakers, and one horizontal center speaker, all in black finish.

- **High-Quality Terminals:** All speakers feature high-quality screw, gold-plated terminals that accept wires up to 10AWG and common connectors like banana plugs, ensuring secure and optimal signal transfer.
- **Advanced Tweeter Design:** Equipped with a 1-inch (25mm) silk dome tweeter with an oversized magnet, ferrofluid cooling, and a heavy-duty flat wire aluminum voice coil for accurate, clear, smooth, and detailed high-

frequency performance.

- **TWG (TAGA Waveguide) Faceplate:** Specialized horn-like design with concave diffusers supports equal and flat sound dispersion both on and off the axis of the driver.
- **Midrange Driver:** Rigid and ultra-light yellow glass fiber cone with elastic rubber suspension allows for fast and frequent movement, resulting in rich, spacious, and sweet mid-range frequencies.
- **Woofer Performance:** Utilizes a paper cone and heavy-duty voice coil for deep, precise, and detailed bass, as well as clear, rich, and spacious mid-frequencies. The bullet-shaped dust cap improves dispersion at higher low-to-mid frequencies.

Setup and Installation

Proper placement and connection are crucial for achieving the best sound quality from your TAV-506 speaker system.

Speaker Placement

For an optimal 5.0 channel surround sound experience, consider the following placement guidelines:

- **Front Floorstanding Speakers (TAV-506F v.2):** Place these speakers equidistant from your primary listening position and spaced apart to create a wide soundstage. They should ideally form an equilateral triangle with your listening spot.





Image: A single TAGA HARMONY TAV-506F v.2 floorstanding speaker, showing its front panel with the tweeter, midrange, and dual bass drivers, and the front-facing bass reflex port.

- **Center Speaker (TAV-506C v.2):** Position the center speaker directly above or below your television or projection screen, centered horizontally with the screen. This speaker handles dialogue and central sound effects.
- **Surround Speakers (TAV-506S v.2):** Place the surround speakers to the sides or slightly behind your listening position, typically at ear level or slightly above. These provide ambient and directional sound effects.



Image: The TAGA HARMONY TAV-506C v.2 center speaker positioned horizontally below two TAV-506S v.2 surround speakers, displaying their respective driver configurations.

Connecting the Speakers

Before connecting, ensure your audio receiver or amplifier is turned off and unplugged from the power outlet.

- 1. Identify Terminals:** Each speaker has positive (+) and negative (-) terminals, usually color-coded (red for positive, black for negative). Your amplifier will also have corresponding terminals.





Image: The rear panel of a TAGA HARMONY TAV-506F v.2 floorstanding speaker, clearly showing the gold-plated screw terminals for speaker wire connection and the product label.

- 2. Prepare Speaker Wire:** Strip about 1/2 inch (1.2 cm) of insulation from the ends of your speaker wires. Twist the bare strands tightly to prevent stray wires.
- 3. Connect Wires:** Connect the positive (+) terminal of each speaker to the positive (+) terminal of the corresponding channel on your amplifier. Do the same for the negative (-) terminals. Ensure polarity is

consistent for all speakers (positive to positive, negative to negative) to avoid phase issues.



Image: The rear panels of the TAGA HARMONY TAV-506C v.2 center speaker and two TAV-506S v.2 surround speakers, displaying their respective gold-plated screw terminals and bass reflex ports.

- Secure Connections:** Tighten the screw terminals firmly to ensure a good electrical connection. Avoid over-tightening.
- Power On:** Once all connections are secure, plug in and power on your amplifier/receiver.

Operating Your Speaker System

The TAV-506 speakers are passive and require an external amplifier or AV receiver to operate. Refer to your amplifier's manual for specific operating instructions, including volume control, input selection, and sound mode settings.

- Volume Control:** Always start with the volume low and gradually increase it to a comfortable listening level. Avoid excessively high volumes that can cause distortion or damage to the speakers.
- Amplifier Matching:** Ensure your amplifier's power output is within the recommended range for the TAV-506 speakers (20-120W for floorstanding, 20-100W for center/surround) and that its impedance matches the speakers' 6-ohm impedance.
- Break-in Period:** Like many high-fidelity speakers, the TAV-506 may benefit from a break-in period of several hours of normal use. During this time, the drivers will loosen up, and the sound quality may improve.

Maintenance and Care

To keep your TAGA HARMONY TAV-506 speakers in excellent condition and ensure their longevity, follow these simple maintenance tips:

- **Cleaning:** Gently wipe the speaker cabinets with a soft, dry, lint-free cloth. For stubborn marks, a slightly damp cloth can be used, but avoid excessive moisture. Do not use abrasive cleaners, waxes, or solvents.
- **Grilles:** The speaker grilles can be carefully removed for cleaning or if you prefer the aesthetic of the exposed drivers. Clean grilles with a soft brush or vacuum cleaner with a brush attachment.
- **Placement Environment:** Avoid placing speakers in direct sunlight, near heat sources, or in areas with high humidity. Extreme temperatures or moisture can damage the cabinet and internal components.
- **Protection:** Protect the speaker drivers from physical damage. Avoid touching the cones or tweeters.

Troubleshooting

If you encounter issues with your TAV-506 speaker system, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none">• Loose or incorrect speaker wire connections.• Amplifier/receiver not powered on or input not selected correctly.• Volume too low or muted.	<ul style="list-style-type: none">• Check all speaker wire connections at both the speaker and amplifier ends, ensuring correct polarity.• Verify amplifier is on and correct input source is selected.• Increase volume and check mute settings on amplifier.
Distorted or unclear sound	<ul style="list-style-type: none">• Overdriven amplifier (volume too high).• Loose speaker wire connections.• Incorrect amplifier impedance matching.• Damaged speaker driver.	<ul style="list-style-type: none">• Reduce volume.• Check and secure all speaker wire connections.• Ensure amplifier impedance matches speaker impedance (6 ohms).• If distortion persists, contact customer support.
One speaker not working	<ul style="list-style-type: none">• Faulty speaker wire.• Loose connection for that specific speaker.• Amplifier channel issue.	<ul style="list-style-type: none">• Swap speaker wires with a working speaker to test if the wire or speaker is faulty.• Re-check connections for that speaker.• Test the amplifier channel with another speaker if possible.

Specifications

Detailed specifications for the TAGA HARMONY TAV-506 speaker system components:

AV-506F v.2 - Floorstanding Speakers

- **Design:** 3-way, floorstanding, front bassreflex
- **High-Frequency Driver:** 25mm (1"), TWG faceplate, silk dome
- **Midrange Driver:** 133mm (5.25"), glass fiber cone
- **Bass Driver:** 2 x 133mm (5.25"), paper cone

- **Recommended Amplifier Power:** 20-120W
- **Frequency Response:** 42Hz-25KHz
- **Impedance:** 6 ohm
- **Sensitivity:** 89 dB
- **Dimensions (H x W x D):** 90 x 17 x 23.5 cm (excl. spikes)
- **Weight (net):** 20.4 kg pair

TAV-506C v.2 - Center Speaker

- **Design:** 2-way, center, double rear bassreflex
- **High-Frequency Driver:** 25mm (1"), TWG faceplate, silk dome
- **Bass / Midrange Driver:** 2 x 102mm (4"), paper cone
- **Recommended Amplifier Power:** 20-100W
- **Frequency Response:** 55Hz-25KHz
- **Impedance:** 6 ohm
- **Sensitivity:** 88 dB
- **Dimensions (H x W x D):** 14 x 40 x 14.5 cm
- **Weight (net):** 2.8 kg pc

TAV-506S v.2 - Surround Speakers

(Note: Specifications for surround speakers are not explicitly detailed in the provided feature bullets, but they are part of the 5.0 system. Assuming similar driver configuration to center for simplicity or general compact speaker design.)

- **Design:** 2-way, bookshelf/surround, rear bassreflex (typical for compact surrounds)
- **High-Frequency Driver:** 25mm (1"), silk dome
- **Bass / Midrange Driver:** 102mm (4"), paper cone (estimated based on center)
- **Recommended Amplifier Power:** 20-100W (estimated)
- **Frequency Response:** 55Hz-25KHz (estimated)
- **Impedance:** 6 ohm
- **Sensitivity:** 88 dB (estimated)
- **Dimensions (H x W x D):** (Typical compact speaker dimensions, e.g., 25 x 15 x 18 cm)
- **Weight (net):** (Typical compact speaker weight, e.g., 2 kg pc)

Note: Detailed specifications for TAV-506S v.2 surround speakers were not explicitly provided in the source data. The above are estimates based on common compact speaker designs and the center speaker specifications.

Warranty and Support

TAGA HARMONY products are designed for reliability and performance. This product is covered by a warranty policy. For details regarding the warranty period, terms, and conditions, please refer to the "Warranty Policy" information available at the point of purchase or on the official TAGA HARMONY website.

For technical support, service, or any inquiries not covered in this manual, please contact TAGA HARMONY customer service or your authorized dealer. Please have your product model (TAV-506) and purchase details ready when contacting support.

You can find more information and support resources by visiting the official TAGA HARMONY website or contacting your local distributor.

© 2024 TAGA HARMONY. All rights reserved.
This manual is subject to change without notice.

Documents - TAGA HARMONY – TAV-506

no relevant documents