

## Onkyo TX-SA606X

# ONKYO AV Receiver TX-SA606X(S) Instruction Manual

Model: TX-SA606X(S)

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## 1. INTRODUCTION

Thank you for purchasing the ONKYO AV Receiver TX-SA606X(S). This receiver is designed to provide high-quality audio and video performance for your home entertainment system. It features 7.1 channel output, support for advanced audio formats like DOLBY TrueHD and DTS-HD Master Audio, and multiple HDMI inputs for seamless integration with your devices.

This manual provides detailed instructions for setting up, operating, and maintaining your AV receiver. Please read it thoroughly before use to ensure proper operation and to maximize your enjoyment of the product.

## 2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following precautions:

- **Power Source:** Connect the unit only to an AC outlet of the voltage specified on the rear panel.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings. Allow sufficient space around the unit for proper airflow.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Foreign Objects:** Do not insert any foreign objects into the unit's openings.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth for cleaning.

## 3. PACKAGE CONTENTS

Please check that all items are included in the package:

- ONKYO AV Receiver TX-SA606X(S) Unit
- Remote Control

- Power Cord
- Setup Microphone (for automatic speaker calibration)
- FM Indoor Antenna
- AM Loop Antenna
- Instruction Manual (this document)

*Note:* The remote control may require batteries (not included).

## 4. SETUP

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### 4.1 Unpacking and Placement

Carefully remove the receiver from its packaging. Place the unit on a stable, level surface with adequate ventilation. Avoid placing it near heat sources or in direct sunlight.



Figure 1: Front view of the ONKYO AV Receiver TX-SA606X(S). This image shows the silver-colored receiver with its various control knobs and display panel.

## 4.2 Connecting Speakers

Connect your speakers to the corresponding terminals on the rear of the receiver. Ensure correct polarity (+ to + and - to -) for each speaker. This receiver supports a 7.1 channel speaker configuration.

- Front Left/Right
- Center
- Surround Left/Right

- Surround Back Left/Right (or assignable for bi-amping front speakers)
- Subwoofer (via pre-out)

### 4.3 Connecting Audio/Video Devices

Use HDMI cables for connecting devices such as Blu-ray players, game consoles, and set-top boxes to the HDMI input ports. The receiver has 4 HDMI inputs and 1 HDMI output. For audio-only devices, use optical (2 inputs) or coaxial (2 inputs) digital audio connections, or analog RCA connections.

Ensure all connections are secure before powering on the unit.

### 4.4 Power Connection

After all other connections are made, connect the supplied power cord to the receiver's AC inlet and then to a wall outlet.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Basic Power On/Off

Press the **POWER** button on the front panel or the remote control to turn the receiver on or off.

### 5.2 Input Selection

Use the **INPUT SELECTOR** knob on the front panel or the corresponding input buttons on the remote control (e.g., HDMI 1, CD, DVD) to switch between connected devices.

### 5.3 Volume Control

Adjust the master volume using the large **VOLUME** knob on the front panel or the **VOLUME +/-** buttons on the remote control.

### 5.4 Sound Mode Selection

Press the **LISTENING MODE** buttons on the remote control to cycle through various sound modes (e.g., Stereo, Dolby Digital, DTS, THX, etc.) to optimize audio for your content.

### 5.5 Automatic Speaker Calibration (Audyssey 2EQ)

For optimal sound performance, use the supplied setup microphone and the Audyssey 2EQ system. Connect the microphone to the front panel jack and follow the on-screen instructions to automatically calibrate speaker levels, distances, and crossovers for your listening environment.

This feature automatically adjusts the optimal output for your speakers based on a 3-point measurement.

### 5.6 HDMI Link Functionality

The receiver supports HDMI Link (RIHD) functionality, allowing integrated control with compatible ONKYO components and other CEC-enabled devices. Refer to the on-screen menu for enabling and configuring HDMI Link settings.

## 6. MAINTENANCE

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### 6.1 Cleaning the Unit

Before cleaning, ensure the receiver is turned off and unplugged from the power outlet. Use a soft, dry cloth to wipe the exterior surfaces. Do not use abrasive cloths, waxes, or solvents as they may damage the finish.

### 6.2 Ventilation

Regularly check that the ventilation openings on the top and sides of the unit are not obstructed by dust or other objects. Proper ventilation is crucial for preventing overheating and ensuring long-term performance.

## 7. TROUBLESHOOTING

If you experience problems with your receiver, please consult the following table before contacting service personnel.

| Problem                    | Possible Cause                                                          | Solution                                                                          |
|----------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| No power                   | Power cord not connected securely.                                      | Check power cord connection to the unit and wall outlet.                          |
| No sound                   | Incorrect input selected; Speakers not connected; Mute function active. | Select correct input source; Check speaker connections; Deactivate mute.          |
| No video                   | Incorrect input selected; HDMI cable loose or faulty.                   | Select correct input source; Check HDMI cable connections.                        |
| Remote control not working | Batteries depleted; Obstruction between remote and receiver.            | Replace batteries; Remove obstructions; Ensure remote is pointed at the receiver. |

## 8. SPECIFICATIONS

Technical specifications for the ONKYO AV Receiver TX-SA606X(S):

- **Brand:** Onkyo
- **Model:** TX-SA606X(S)
- **Channels:** 7.1ch
- **Maximum Output Power:** 185W x 7 (per channel)
- **Rated Output Power:** 120W x 7 (per channel)
- **Supported Surround Formats:** DOLBY TrueHD, DTS-HD Master Audio
- **Digital Audio Inputs:** Optical x 2, Coaxial x 2
- **HDMI Inputs:** 4
- **HDMI Outputs:** 1
- **HDMI Link:** Supported
- **Controller Type:** Remote Control
- **Connectivity Technology:** HDMI
- **Weight:** 12.4 kg
- **Color:** Silver
- **AAC Support:** Yes

*Note:* Specifications are subject to change without notice for product improvement.

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

ONKYO products are manufactured to the highest quality standards. This product is covered by a limited warranty. Please refer to the warranty card included with your product for specific terms and conditions, including warranty period and coverage details. Keep your purchase receipt as proof of purchase.

## 9.2 Customer Support

If you have any questions or require assistance with your ONKYO AV Receiver TX-SA606X(S), please contact ONKYO customer support. Contact information can typically be found on the ONKYO official website or in the warranty documentation.

Before contacting support, please have your model number (TX-SA606X) and serial number ready.

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

#### Name

Anonymous

#### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

#### Question

Example: How do I reset this device or fix this error?

#### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question