



Manuals.plus /

› **Yamaha** /

› Yamaha TSR-700 7.1 Channel AV Receiver with 8K HDMI and MusicCast User Manual

## Yamaha TSR-700

# Yamaha TSR-700 7.1 Channel AV Receiver User Manual

Model: TSR-700

## INTRODUCTION

---

This manual provides essential instructions for setting up, operating, and maintaining your Yamaha TSR-700 7.1 Channel AV Receiver. The TSR-700 is designed to deliver high-quality audio and video performance, supporting 8K HDMI, Dolby Atmos, and Yamaha's MusicCast multi-room audio system. Please read this manual thoroughly before using the receiver to ensure correct and safe operation.

## SAFETY INFORMATION

---

- **Power Supply:** Connect the unit only to an AC outlet of the voltage specified on the rear panel.
- **Ventilation:** Ensure adequate space around the unit for proper ventilation. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the unit to rain, moisture, or excessive humidity. Avoid placing objects filled with liquids on the unit.
- **Foreign Objects:** Do not insert any foreign objects into the unit's openings.
- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.
- **Grounding:** Ensure proper grounding for all connected components to prevent electrical shock.

## PACKAGE CONTENTS

---

Verify that your package contains the following items:

- Yamaha TSR-700 AV Receiver
- Remote Control
- Batteries for Remote Control (AA/R6 x 2)
- YPAO Microphone
- FM Antenna
- AM Loop Antenna
- Power Cable

- Quick Start Guide (this document is a detailed manual)

## SETUP

---

### Physical Placement

Place the receiver on a stable, level surface with adequate clearance for ventilation. Avoid placing it near heat sources or in direct sunlight. Ensure there is at least 6 inches (15 cm) of clear space above the unit and 2 inches (5 cm) on the sides and rear for proper airflow.

### Rear Panel Overview



The image above displays the rear panel of the Yamaha TSR-700 AV Receiver. It features various connection ports for audio, video, network, and speakers. Key sections include HDMI inputs and outputs, analog and digital audio inputs, speaker terminals, and antenna connections.

### Connecting Speakers

The TSR-700 supports a 7.1 channel speaker configuration. Connect your speakers to the corresponding terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for each speaker.

- **Front Speakers:** Connect to the 'FRONT' terminals.
- **Center Speaker:** Connect to the 'CENTER' terminal.
- **Surround Speakers:** Connect to the 'SURROUND' terminals.
- **Surround Back Speakers (or Zone 2/Bi-Amp):** Connect to the 'SURROUND BACK / ZONE 2 / BI-AMP' terminals.
- **Subwoofer:** Connect to the 'SUBWOOFER' PRE OUT jacks using an RCA cable.
- **Front Presence Speakers (or Zone 2):** Connect to the 'F. PRESENCE / ZONE 2' terminals.

Use high-quality speaker cables and ensure all connections are secure to prevent short circuits.

## Connecting Audio/Video Devices

Connect your source devices (Blu-ray player, game console, streaming device, turntable, etc.) to the appropriate input jacks.

- **HDMI Devices:** Use HDMI cables to connect devices like Blu-ray players, game consoles, and set-top boxes to the HDMI 1-7 input ports. Connect your TV to the HDMI OUT (ARC/eARC) port.
- **Optical/Coaxial Digital Audio:** For devices with digital audio outputs, use the OPTICAL or COAXIAL input jacks.
- **Analog Audio:** Connect devices with analog audio outputs (e.g., CD player) to the AUDIO 1-5 RCA input jacks.
- **Phono:** Connect a turntable to the PHONO input jacks. Ensure the turntable has a built-in pre-amplifier or use an external one.

## Network Connection

For network features like MusicCast and firmware updates, connect the receiver to your home network.

- **Wired Connection:** Connect an Ethernet cable from your router to the NETWORK port on the rear panel.
- **Wireless Connection:** Use the built-in Wi-Fi. Follow the on-screen instructions during initial setup to connect to your wireless network.

## Antenna Connection

Connect the supplied AM loop antenna and FM antenna to their respective terminals for radio reception.

## Initial Setup and YPAO Calibration

After connecting all components, power on the receiver and your TV. The on-screen setup guide will assist you. Use the supplied YPAO microphone to perform automatic speaker calibration. Place the microphone at your primary listening position and follow the on-screen prompts. YPAO optimizes speaker settings for your room's acoustics.

# OPERATING INSTRUCTIONS

---

## Basic Operation

- **Power On/Off:** Press the POWER button on the front panel or remote control.
- **Input Selection:** Use the INPUT SELECTOR buttons on the front panel or remote control to switch between connected devices (e.g., HDMI 1, Optical, Phono).
- **Volume Control:** Adjust the master volume using the VOLUME knob on the front panel or the VOLUME +/- buttons on the remote control.

## Sound Modes

The TSR-700 offers various sound modes to enhance your listening experience.

- **Surround Sound:** Select modes like Dolby Atmos, DTS:X, or other surround programs for immersive audio from compatible sources.

- **Stereo:** For two-channel audio sources, select a stereo mode.
- **Pure Direct:** Bypasses tone control and other processing for the purest audio reproduction.

## MusicCast Features

MusicCast allows you to stream music wirelessly and create a multi-room audio system.

- **MusicCast App:** Download the Yamaha MusicCast Controller app to your smartphone or tablet to control the receiver and access streaming services like Spotify.
- **Streaming Services:** Access integrated music streaming services directly through the receiver or the MusicCast app.
- **Multi-room Audio:** Link multiple MusicCast-enabled devices to play the same music in different rooms or different music in each room.

## Remote Control

The included remote control provides full functionality for the receiver. Familiarize yourself with the buttons for input selection, volume, sound mode, and menu navigation.

## MAINTENANCE

---

### Cleaning

To clean the unit, use a soft, dry cloth. Do not use chemical cleaners or abrasive materials, as they may damage the finish. For stubborn dirt, lightly dampen the cloth with water and wipe gently, then dry with a clean, soft cloth.

### Firmware Updates

Yamaha periodically releases firmware updates to improve performance and add new features. Connect the receiver to the internet (wired or wireless) and check for updates via the setup menu. Follow the on-screen instructions carefully during the update process.

## TROUBLESHOOTING

---

If you encounter issues with your TSR-700 receiver, refer to the following common problems and solutions:

- **No Power:** Ensure the power cable is securely connected and the wall outlet is functional. Check the power switch on the unit.
- **No Sound:** Verify speaker connections and polarity. Check the input source selection and volume level. Ensure mute is not activated. Confirm that the correct audio output is selected on your TV or source device.
- **No Picture:** Ensure HDMI cables are securely connected to both the receiver and the TV/source device. Verify the correct HDMI input is selected on the receiver and the correct input on your TV.
- **Network Connection Issues:** Check your router and internet connection. For Wi-Fi, ensure the password is correct. For wired, check the Ethernet cable.
- **Remote Control Not Working:** Check the batteries and ensure there are no obstructions between the remote and the receiver's IR sensor.
- **ARC/eARC Issues:** Ensure ARC/eARC is enabled on both the receiver and your TV. Use a high-speed HDMI cable.

If the problem persists, try resetting the receiver to its factory default settings (refer to the on-screen menu for this option) or contact Yamaha support.

## SPECIFICATIONS

---

Feature	Specification
Brand	Yamaha
Model Number	TSR-700
Surround Sound Channel Configuration	7.1 Channel
Output Power	100 Watts per channel
Total HDMI Ports	7 (Inputs)
HDMI Output	1 (with ARC/eARC)
Connectivity Technology	HDMI, Wi-Fi, Ethernet, Bluetooth
Audio Encoding	Dolby Atmos, DTS:X, DTS
Video Encoding	H.264, H.265/HEVC (8K HDMI Pass-through)
Supported Internet Services	Spotify (via MusicCast)
Product Dimensions (D x W x H)	16.87" x 13.12" x 6.75"
Control Method	Remote Control, MusicCast App
UPC	808857089991

## WARRANTY INFORMATION

---

Your Yamaha TSR-700 AV Receiver is covered by a manufacturer's warranty. The specific terms and duration of the warranty may vary by region and retailer. Please refer to the warranty card included with your product or visit the official Yamaha website for detailed warranty information and registration procedures.

## SUPPORT

---

For further assistance, technical support, or service inquiries, please contact Yamaha customer support or visit the official Yamaha website:

- **Yamaha Official Website:** [www.yamaha.com](http://www.yamaha.com)
- **Product Support Page:** Locate the support section for AV receivers on the Yamaha website for FAQs, firmware downloads, and contact options.