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› [Onkyo M-5010 2-Channel Amplifier Instruction Manual](#)

## Onkyo M-5010

# Onkyo M-5010 2-Channel Amplifier Instruction Manual

Model: M-5010

## 1. INTRODUCTION

The Onkyo M-5010 is a 2-channel power amplifier designed to enhance your audio system. It features WRAT (Wide Range Amplifier Technology) with Three-Stage Inverted Darlington Circuitry for reduced distortion and clear audio reproduction. This amplifier is suitable for augmenting multi-zone capabilities in home theaters or enabling advanced surround sound features when paired with compatible Onkyo A/V receivers. Its robust construction includes a thick anti-resonant metal chassis with an aluminum faceplate, an aluminum heat sink, large 10,000  $\mu$ F capacitors, and quality copper bus bars for superior grounding, all contributing to improved responsiveness and clarity.

### Key Features:

- 75 W/Channel (8 Ohms, 1 kHz, 0.08% THD, 2 Channels Driven, FTC)
- Three-Stage Inverted Darlington Circuitry to Reduce Distortion
- Delivers Multi-Zone Audio with Selected Onkyo A/V Receivers (Damping Factor: 60 (Front, 1 kHz, 8 Ohms))
- Daisy-Chain with Additional M-5010s for Bi-Amping or Multi-Zone Audio
- Impedance Selector Switch (4-8 Ohms and 8-16 Ohms)
- Signal-to-Noise Ratio: 110 dB (Line, IHF-A)

## 2. WHAT'S IN THE BOX

- Onkyo M-5010 2-Channel Amplifier

## 3. SETUP

### 3.1 Front Panel Overview

The front panel provides essential controls and indicators for basic operation.



Figure 1: Front view of the Onkyo M-5010 Amplifier. This image displays the sleek black finish, the power/standby button on the left, a central display area, and a large volume knob on the right.

### 3.2 Rear Panel Connections

The rear panel houses all input and output terminals for connecting your audio components.



Figure 2: Rear view of the Onkyo M-5010 Amplifier. This image highlights the speaker binding posts (A and B), RCA line inputs and outputs, optical and coaxial digital inputs, a subwoofer pre-out, FM/AM antenna connections, and a 12V trigger input/output.

#### 3.2.1 Speaker Connections

- **Speaker A/B:** Connect your main speakers to the SPEAKER A terminals. If using a second pair of speakers (e.g., for another room or bi-amping), connect them to the SPEAKER B terminals. Ensure correct polarity (+ to + and - to -).
- **Impedance Selector:** Set the impedance selector switch on the rear panel to match the impedance of your speakers (4-8 Ohms or 8-16 Ohms).

#### 3.2.2 Audio Source Connections

- **Line In:** Connect analog audio sources (e.g., CD player, turntable with phono preamp) using RCA cables.
- **Optical/Coaxial In:** Connect digital audio sources (e.g., TV, Blu-ray player) using optical or coaxial cables.
- **Subwoofer Pre-Out:** Connect an active subwoofer to this output using an RCA cable for enhanced bass.
- **Line Out:** Use this to connect to another amplifier or recording device.
- **FM/AM Antenna:** Connect the supplied FM/AM antennas for radio reception.

#### 3.2.3 Control Connections

- **12V Trigger In/Out:** Use a 3.5mm mono cable to connect to compatible devices (e.g., an A/V receiver) for synchronized power on/off. The trigger switch can be set to ON, OFF, or AUDIO (auto-detects audio signal).

## 4. OPERATING INSTRUCTIONS

## 4.1 Power On/Off

- Press the **ON/STANDBY** button on the front panel to power the amplifier on or off.
- If the 12V trigger is set to AUDIO, the amplifier will automatically power on when an audio signal is detected and enter standby when no signal is present for a period.

## 4.2 Input Selection

- Use the **INPUT SELECTOR** buttons on the front panel to choose your desired audio source (e.g., CD, Phono, Network, Aux, Recorder, Optical 1, Optical 2, Coaxial, Bluetooth).

## 4.3 Volume Control

- Rotate the large **VOLUME** knob on the front panel to adjust the overall sound level.

## 4.4 Tone and Balance Adjustments

- Use the **BASS** and **TREBLE** controls to adjust the low and high frequency response.
- Use the **BALANCE** controls to adjust the left/right channel balance.
- The **DIRECT/TONE** button can bypass tone controls for a pure audio signal.

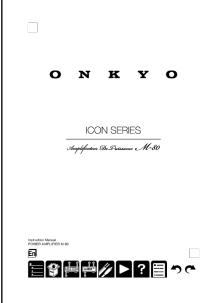
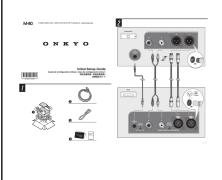
## 4.5 Speaker A/B Selection

- Press the **SPEAKER A/B** button to toggle between Speaker A, Speaker B, or both A+B.

## 4.6 Bluetooth Pairing

- Select the **Bluetooth** input. The amplifier will enter pairing mode.
- On your mobile device, search for available Bluetooth devices and select

### Related Documents - M-5010

	<p><a href="#"><u>Onkyo M-80 Power Amplifier Instruction Manual</u></a></p> <p>Comprehensive instruction manual for the Onkyo M-80 Power Amplifier, detailing setup, connections, basic operations, troubleshooting, and technical specifications for optimal audio performance.</p>
	<p><a href="#"><u>Onkyo M-80 Power Amplifier: Initial Setup Guide</u></a></p> <p>A comprehensive initial setup guide for the Onkyo M-80 Power Amplifier, detailing connections, speaker impedance requirements, and product support resources. Learn how to connect your speakers and power source for optimal audio performance.</p>
	<p><a href="#"><u>Onkyo TX-RZ30 9.2-Channel AV Receiver/Amplifier Instruction Manual</u></a></p> <p>This instruction manual provides comprehensive guidance for the Onkyo TX-RZ30 9.2-Channel AV Receiver/Amplifier, covering setup, speaker connections, playback operations, network features like Spotify and AirPlay, firmware updates, and troubleshooting.</p>

	<p><a href="#"><u>Onkyo M-80 Power Amplifier Instruction Manual</u></a></p> <p>Comprehensive instruction manual for the Onkyo M-80 Power Amplifier, detailing setup, connections, operation, troubleshooting, and technical specifications.</p>
	<p><a href="#"><u>ONKYO TX-RZ30 9.2-Channel AV Receiver Instruction Manual</u></a></p> <p>Detailed instruction manual for the ONKYO TX-RZ30 9.2-Channel AV Receiver and Amplifier, covering setup, connections, playback features, network services, and advanced settings.</p>
	<p><a href="#"><u>Onkyo M-80 ICON SERIES Power Amplifier Instruction Manual</u></a></p> <p>This manual provides detailed instructions for the Onkyo M-80 ICON SERIES Power Amplifier, covering setup, connections, basic operations, troubleshooting, and technical specifications. Learn how to connect preamplifiers, speakers, and external control equipment for optimal audio performance.</p>