

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [IDOLmain](#) /

> [IDOLmain 2600W Karaoke System User Manual \(Models IP-3900II, IPS-680, UHF-630\)](#)

IDOLmain IP-3900II, IPS-680, UHF-630

IDOLmain 2600W Karaoke System User Manual

Models: IP-3900II Mixing Amplifier, IPS-680 Speakers, UHF-630 Wireless Microphones



1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your IDOLmain 2600W Karaoke System. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

1.1 Package Contents

The IDOLmain 2600W Karaoke System package includes the following components:

- 1 x IDOLmain IP-3900II Professional Mixing Amplifier
- 2 x IDOLmain IPS-680 Professional Karaoke Speakers
- 2 x IDOLmain UHF-630 Wireless Microphones
- 2 x Speaker Stands
- 2 x Speaker Cables
- 1 x Optical Cable
- 1 x HDMI Cable
- 2 x Microphone Windscreens
- 1 x Remote Control



Figure 1.1: Overview of the IDOLmain 2600W Karaoke System components. This image displays the IP-3900II mixing amplifier, two IPS-680 speakers on stands, two UHF-630 wireless microphones, and various connecting cables.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent electric shock, fire, or damage to the equipment:

- **Power Source:** Connect the system only to the specified power supply voltage. Ensure the power cord is securely plugged into an outlet.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the amplifier to prevent overheating.
- **Water and Moisture:** Do not expose the system to rain, moisture, or excessive humidity. Keep liquids away from all components.
- **Heat Sources:** Keep the system away from heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
- **Cleaning:** Unplug the system from the power outlet before cleaning. Use a dry, soft cloth for cleaning. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the speakers and amplifier on stable, level surfaces. When using speaker stands, ensure they are properly assembled and stable to prevent tipping.

3. SETUP GUIDE

3.1 Amplifier Setup (IP-3900II)

Position the IP-3900II mixing amplifier on a stable, flat surface with adequate ventilation. Ensure all controls are set to their minimum positions before powering on.



Figure 3.1: Front panel of the IP-3900II Mixing Amplifier, showing microphone inputs, equalization controls, and media playback section.



Figure 3.2: Rear panel of the IP-3900II Mixing Amplifier, displaying various audio and video input/output ports including HDMI, Optical, and speaker terminals.

3.2 Speaker Setup (IPS-680)

The IPS-680 speakers can be placed on the included speaker stands for optimal sound projection.

1. Assemble the speaker stands according to their individual instructions. Ensure they are stable.
2. Carefully place each IPS-680 speaker onto a stand. Ensure the speaker is securely seated.
3. Position the speakers to the left and right of your listening area, facing towards the audience.



Figure 3.3: A pair of IDOLmain IPS-680 speakers, featuring a 10-inch woofer and 3-inch tweeter.



Figure 3.4: The included speaker stands, designed to elevate the IPS-680 speakers for better sound dispersion.

3.3 Wireless Microphone Setup (UHF-630)

The UHF-630 wireless microphones require their receiver to be connected to the amplifier.

1. Connect the UHF-630 wireless microphone receiver to one of the microphone input ports on the IP-3900II amplifier using an appropriate cable (e.g., 1/4" or XLR).
2. Ensure the receiver's antennas are extended for optimal signal reception.
3. Insert fresh batteries into the UHF-630 wireless microphones.

4. Power on the microphone receiver and the microphones. The system will automatically scan for available frequencies.



Figure 3.5: The UHF-630 wireless microphone receiver with extended antennas, ready for connection to the amplifier.



Figure 3.6: A single UHF-630 wireless microphone, featuring a digital display for frequency and battery status.

3.4 Connecting Components

Follow these steps to connect the amplifier, speakers, and audio/video sources:

1. **Speakers to Amplifier:** Use the provided speaker cables to connect the IPS-680 speakers to the speaker output terminals on the rear of the IP-3900II amplifier. The amplifier supports both Banana Plug and Speakon Plug speaker connectors. Ensure correct polarity (+ to + and - to -).

2. Audio/Video Sources:

- **HDMI:** Connect your TV or media player to the HDMI input (HDMI 1 or HDMI 2) on the amplifier's rear panel using the provided HDMI cable. If your TV supports HDMI ARC, connect it to the HDMI ARC port for audio return.
 - **Optical:** Connect your TV or other audio device to the OPTICAL input on the amplifier using the provided optical cable.
 - **Other Audio Inputs:** The amplifier also features RCA (DVD, VOD, OPT) and Coaxial inputs for various audio sources.
3. **Power Connection:** Once all audio and speaker connections are made, connect the amplifier's power cord to a suitable electrical outlet.

Important: Ensure all connections are secure before powering on the system.

4. OPERATING INSTRUCTIONS

4.1 Powering On and Basic Controls

1. Press the Power button on the front panel of the IP-3900II amplifier to turn it on.
2. Adjust the main volume control (MUS VOL) to a low level.
3. Select your desired audio input source (e.g., HDMI, Optical, Bluetooth) using the input selector buttons on the front panel or the remote control.

4.2 Bluetooth Pairing

To stream audio wirelessly from your smartphone or tablet:

1. Turn on Bluetooth on your mobile device.
2. Press the "BT" button on the front panel of the amplifier. The amplifier will enter pairing mode.
3. On your device, search for Bluetooth devices and select "BT-SPEAKER" to connect.
4. Once connected, you can stream audio from your device to the amplifier. Note that only audio is transmitted via Bluetooth; video or graphics will not be transferred.

4.3 Microphone Operation

To use the UHF-630 wireless microphones:

1. Ensure the microphone receiver is powered on and connected to the amplifier.
2. Power on the wireless microphones. They should automatically connect to the receiver.
3. Adjust the MIC VOL (Microphone Volume) control on the amplifier to your desired level.
4. Use the individual microphone volume, echo, low, mid, and high controls on the amplifier's front panel to fine-tune the microphone sound.

4.4 Karaoke Functionality

To enjoy karaoke with your system:

1. Connect your TV or display to the amplifier via HDMI or Optical.
2. On your TV remote, navigate to Sound Settings (or Audio Output/Sound Output) and ensure the Digital Audio Output (Audio Format) is set to "PCM". This is crucial for audio to be sent from the TV to the amplifier via Optical or HDMI ARC.
3. Access karaoke content from platforms like YouTube on your smartphone, tablet, or smart TV.

4. If using a smartphone/tablet, cast the content to your TV. Look for the casting icon on your device to connect to your TV.
5. Adjust music volume (MUS VOL) and microphone volume (MIC VOL) on the amplifier to balance the sound.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your karaoke system.

- **Cleaning:**
 - Always unplug the amplifier from the power outlet before cleaning.
 - Use a soft, dry cloth to wipe down the surfaces of the amplifier, speakers, and microphones.
 - Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the finish.
- **Ventilation:** Ensure the amplifier's ventilation slots remain clear of dust and obstructions. Periodically use a soft brush or compressed air to clean these areas.
- **Cable Connections:** Periodically check all cable connections for tightness and wear. Loose connections can lead to poor sound quality or intermittent issues.
- **Microphone Batteries:** Replace microphone batteries when the low battery indicator appears or when sound quality degrades. Remove batteries if the microphones will not be used for an extended period.

6. TROUBLESHOOTING

If you encounter issues with your IDOLmain Karaoke System, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
No power to amplifier	Power cord not connected; Power outlet faulty; Amplifier power switch off.	Check power cord connection; Try a different outlet; Ensure power switch is ON.
No sound from speakers	Speaker cables loose/incorrectly connected; Amplifier input not selected; Volume too low; Source device not playing.	Verify speaker cable connections and polarity; Select correct input source; Increase MUS VOL; Check audio playback on source device.
No microphone sound	Microphones off; Low batteries; Receiver not connected/powered; MIC VOL too low; Microphone frequency interference.	Turn on microphones; Replace batteries; Ensure receiver is connected and powered; Increase MIC VOL; Allow receiver to auto-scan for clear frequencies.
Bluetooth not connecting	Amplifier not in pairing mode; Device Bluetooth off; Incorrect device selected.	Press "BT" button on amplifier; Enable Bluetooth on device; Select "BT-SPEAKER" from device list.
No sound from TV via Optical/HDMI ARC	TV audio output setting incorrect; Cable loose/faulty; Amplifier input not selected.	Set TV Digital Audio Output to "PCM"; Check cable connections; Select correct input on amplifier (e.g., OPTICAL, HDMI ARC).

7. SPECIFICATIONS

7.1 IDOLmain IP-3900II Mixing Amplifier

- **Power Output:** 1500W + 1500W @ 8Ω
- **Connectivity:** HDMI, Optical, Bluetooth, Wi-Fi (for streaming to amp)
- **Microphone Inputs:** 3 x XLR (Front), 2 x 1/4" (Front), 2 x XLR (Rear), 2 x 1/4" (Rear)
- **Audio Inputs:** HDMI (2), Optical, Coaxial, RCA (DVD, VOD)
- **Audio Outputs:** Line Output, Sound Effect Input/Output, Pre-Processing Output
- **Speaker Connectors:** 2 x Banana Plug, 2 x Speakon Plug
- **Features:** Recording function, Built-in wireless audio streaming

7.2 IDOLmain IPS-680 Professional Karaoke Speakers

- **Peak Power:** 1000 Watts per speaker
- **Woofers Size:** 10 inches
- **Tweeter Size:** 3 inches
- **Color:** Black with Gold trim

7.3 IDOLmain UHF-630 Wireless Microphones

- **Frequency Range:** 900 MHz
- **Frequencies:** 100 built-in frequencies per microphone
- **Features:** Automatic frequency scanning, Infrared programming

7.4 General System Specifications

- **Brand:** IDOLmain
- **Power Source:** Corded Electric
- **Number of Channels:** 5 (Amplifier)
- **Recommended Use:** Home Karaoke
- **Compatible Devices:** iPhone, iPad (for streaming)
- **Mounting Type:** Tabletop (Amplifier), Stand (Speakers)
- **UPC:** 626245246302
- **ASIN:** B09VYC51MS