MODEL:

907xl
Power Amplifier/Mixer

P/N: 2900-300028 Rev 2
907x1 Quick Start Guide

This guide helps you install and use your product for the first time. For more detailed information, go to http://www.kramerelectronics.com/support/product_downloads.asp to download the latest manual or scan the QR code on the left.

Step 1: Check what’s in the box

- 907x1 Power Amplifier/Mixer
- 1 Power supply (24V DC)
- 1 Quick Start sheet
- 4 Rubber feet

Save the original box and packaging in case your 907x1 needs to be returned to the factory for service.

Step 2: Install the 907x1

Mount the machine in a rack (using the RK-1 rack adapter) or place on a table.

Step 3: Connect the inputs and outputs

Always switch off the power on each device before connecting it to your 907x1.

![Diagram of input and output connections]

Always use Kramer high-performance cables for connecting AV equipment to the 907x1.

Step 4: Connect the power

Connect the 24V DC power adapter to the 907x1 and plug the adapter into the mains electricity.

Step 5: Operate the 907x1

Adjust the level for each input using the INPUT 1 and INPUT 2 Level knobs

Adjust the gain for each input using the DIP-switches

Mute the output by pressing the MUTE button

Adjust the output volume using the VOLUME knob
## Contents

1. **Introduction** ........................................... 1  
2. **Getting Started** ....................................... 2  
   2.1 Achieving the Best Performance .................. 2  
   2.2 Safety Instructions ................................. 3  
   2.3 Recycling Kramer Products ...................... 3  
3. **Overview** .............................................. 4  
   3.1 Defining the 907xl Power Amplifier/Mixer ..... 4  
4. **Connecting the 907xl Power Amplifier/Mixer** 6  
   4.1 Connecting the Stereo Audio Inputs ............ 7  
5. **Technical Specifications** ......................... 8  

## Figures

- Figure 1: 907xl Power Amplifier/Mixer ............. 5  
- Figure 2: Connecting the 907xl Power Amplifier/Mixer 7  
- Figure 3: Connecting a Balanced Input to the Balanced Stereo Audio Input 7  
- Figure 4: Connecting an Unbalanced Input to the Balanced Stereo Audio Input 7
Welcome to Kramer Electronics! Since 1981, Kramer Electronics has been providing a world of unique, creative, and affordable solutions to the vast range of problems that confront the video, audio, presentation, and broadcasting professional on a daily basis. In recent years, we have redesigned and upgraded most of our line, making the best even better!

Our 1,000-plus different models now appear in 13 groups that are clearly defined by function: GROUP 1: Distribution Amplifiers; GROUP 2: Switchers and Routers; GROUP 3: Control Systems; GROUP 4: Format/Standards Converters; GROUP 5: Range Extenders and Repeaters; GROUP 6: Specialty AV Products; GROUP 7: Scan Converters and Scalers; GROUP 8: Cables and Connectors; GROUP 9: Room Connectivity; GROUP 10: Accessories and Rack Adapters; GROUP 11: Sierra Video Products; GROUP 12: Digital Signage; and GROUP 13: Audio.

Congratulations on purchasing your Kramer 907xl Power Amplifier/Mixer, which is ideal for the following typical applications:

- Presentation rooms and multimedia applications for quick, local audio amplification
- Personal audio listening (for example, a PC and portable CD player)
2 Getting Started

We recommend that you:

- Unpack the equipment carefully and save the original box and packaging materials for possible future shipment
- Review the contents of this user manual

Go to http://www.kramerelectronics.com/support/product_downloads.asp to check for up-to-date user manuals, application programs, and to check if firmware upgrades are available (where appropriate).

2.1 Achieving the Best Performance

To achieve the best performance:

- Use only good quality connection cables (we recommend Kramer high-performance, high-resolution cables) to avoid interference, deterioration in signal quality due to poor matching, and elevated noise levels (often associated with low quality cables)
- Do not secure the cables in tight bundles or roll the slack into tight coils
- Avoid interference from neighboring electrical appliances that may adversely influence signal quality
- Position your Kramer 907xl away from moisture, excessive sunlight and dust

This equipment is to be used only inside a building. It may only be connected to other equipment that is installed inside a building.
2.2 Safety Instructions

**Caution:** There are no operator serviceable parts inside the unit

**Warning:** Use only the Kramer Electronics input power wall adapter that is provided with the unit

**Warning:** Disconnect the power and unplug the unit from the wall before installing

2.3 Recycling Kramer Products

The Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC aims to reduce the amount of WEEE sent for disposal to landfill or incineration by requiring it to be collected and recycled. To comply with the WEEE Directive, Kramer Electronics has made arrangements with the European Advanced Recycling Network (EARN) and will cover any costs of treatment, recycling and recovery of waste Kramer Electronics branded equipment on arrival at the EARN facility. For details of Kramer’s recycling arrangements in your particular country go to our recycling pages at [http://www.kramerelectronics.com/support/recycling/](http://www.kramerelectronics.com/support/recycling/).
3 Overview

The 907xl is a high−performance power amplifier for line−level stereo audio signals. It accepts a balanced stereo audio signal on a terminal block connector and an unbalanced stereo signal on RCA connectors. It delivers 40 watts per channel into an 8Ω load.

The 907xl features:

- High efficiency Class D operation
- One volume control knob for each input & mute button
- Gain control DIP−switches
- Mute and On indicator LEDs
- A compact MultiTOOLS® enclosure that allows up to 4 units to be rack mounted side−by−side in a 1U rack space with the optional RK−1 universal rack adapter

3.1 Defining the 907xl Power Amplifier/Mixer

This section defines the 907xl.
Figure 1: 907xl Power Amplifier/Mixer

<table>
<thead>
<tr>
<th>#</th>
<th>Feature</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>INPUT 1 RCA Connectors</td>
<td>Connect to an unbalanced stereo audio source</td>
</tr>
<tr>
<td>2</td>
<td>INPUT 2 Terminal Block Connector</td>
<td>Connect to a balanced stereo audio source</td>
</tr>
<tr>
<td>3</td>
<td>OUTPUT Terminal Block Connector</td>
<td>Connect to a balanced stereo acceptor (speakers)</td>
</tr>
<tr>
<td>4</td>
<td>GAIN DIP-switches</td>
<td>4-position switch for setting the basic gain level</td>
</tr>
<tr>
<td>5</td>
<td>24V DC Connector</td>
<td>+24V DC for powering the unit</td>
</tr>
<tr>
<td>6</td>
<td>MUTE Pushbutton</td>
<td>Press to disable/enable the audio output</td>
</tr>
<tr>
<td>7</td>
<td>INPUT 1 LEVEL Knob</td>
<td>Turn to raise or lower the input 1 volume</td>
</tr>
<tr>
<td>8</td>
<td>INPUT 2 LEVEL Knob</td>
<td>Turn to raise or lower the input 2 volume</td>
</tr>
<tr>
<td>9</td>
<td>VOLUME Knob</td>
<td>Turn to raise or lower the output volume</td>
</tr>
<tr>
<td>10</td>
<td>MUTE LED</td>
<td>Lights yellow when the volume is disabled</td>
</tr>
<tr>
<td>11</td>
<td>ON LED</td>
<td>Lights green when receiving power</td>
</tr>
</tbody>
</table>
4  Connecting the 907xl Power Amplifier/Mixer

To connect the 907xl as illustrated in the example in Figure 2:

Always switch off the power to each device before connecting it to your 907xl. After connecting your 907xl, connect its power and then switch on the power to each device.

1. Connect the unbalanced stereo audio source (for example, a stereo audio player) to the INPUT 1 RCA connectors.

2. Connect the balanced stereo audio source (for example, a stereo audio player) to the INPUT 2 terminal block connector.

3. Connect the OUTPUT terminal block connectors to the acceptors (a pair of speakers).

**Do not ground the loudspeakers.**

4. Connect the 24V DC power adapter to the power socket and connect the adapter to the mains electricity (not shown in Figure 2.)

5. If necessary adjust the basic volume level by setting the GAIN DIP-switches as shown here.

<table>
<thead>
<tr>
<th>Switch</th>
<th>Setting</th>
<th>Gain</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>10</td>
<td>01</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

6. Adjust the output volume by turning the VOLUME potentiometer.
4.1 Connecting the Stereo Audio Inputs

The 907xl has both unbalanced and balanced stereo audio input connectors. Figure 3 and Figure 4 illustrate how to wire a balanced/unbalanced to the balanced audio input connection:
## Technical Specifications

| **INPUT:** | 1 balanced stereo audio on a terminal block connector, 1 unbalanced stereo audio on RCA connectors |
| **OUTPUT:** | Speaker output on a terminal block connector |
| **OUTPUT POWER:** | 40W per channel into 8Ω |
| **OUTPUT MUSIC POWER:** | 150W per channel into 8Ω |
| **INPUT SENSITIVITY:** | 1.2Vrms |
| **AMPLIFIER TYPE:** | Class D |
| **VOLTAGE GAIN:** | 36dB (x10) |
| **BANDWIDTH (-3dB):** | 25kHz |
| **S/N RATIO:** | 66dB |
| **COUPLING:** | Inputs: AC, Outputs: DC |
| **AUDIO THD + NOISE:** | 1.2% |
| **AUDIO 2nd HARMONIC:** | 1% |
| **POWER CONSUMPTION:** | 24V DC, 2.2A |
| **CONTROLS:** | 2 gain DIP-switches, mute button, 2 input level knobs, 1 volume knob |
| **OPERATING TEMPERATURE:** | 0° to +40°C (32° to 104°F) |
| **STORAGE TEMPERATURE:** | -40° to +70°C (-40° to 158°F) |
| **HUMIDITY:** | 10% to 90%, RHL non-condensing |
| **DIMENSIONS** | 10.7cm x 10.4cm x 4.0cm (4.2” x 4.1” x 1.6”) W, D, H |
| **WEIGHT:** | 0.32kg (0.7lbs) |
| **INCLUDED ACCESSORIES:** | Power supply |
| **OPTIONS:** | RK-1 19” rack mount adapter |

Specifications are subject to change without notice at [http://www.kramerelectronics.com](http://www.kramerelectronics.com)
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The warranty obligations of Kramer Electronics for this product are limited to the terms set forth below:

What is Covered
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