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## Technical Pro POWER65

# Technical Pro Professional Power Amplifier

## MODEL: POWER65 USER MANUAL

Brand: Technical Pro

### Introduction

The Technical Pro POWER65 is a professional-grade 2-channel digital stereo power amplifier designed for robust audio performance. With a peak power output of 6500 watts, it is suitable for a variety of applications, from home speaker systems to live sound and stage setups. This manual provides essential information for the proper setup, operation, and maintenance of your amplifier.



Figure 1: Front view of the Technical Pro POWER65 Power Amplifier.

### What's in the Box

Upon opening the packaging, please ensure all components are present and in good condition:

- Technical Pro Professional Portable PA System (POWER65 Amplifier)
- Power Cord
- User Manual



Figure 2: Included User Manual and Power Cord.

## Product Features

The POWER65 amplifier is equipped with advanced features for optimal audio performance and user convenience:

- **High Power Output:** 6500 watts peak power for robust sound delivery.
- **Versatile Inputs:** Supports XLR, 1/4" (6.35mm), and RCA input connections.
- **Multiple Outputs:** Features Banana binding post, Speakon, and 1/4" outputs for speaker connectivity.
- **Spectrum LED Display:** Visual indication of audio levels for each channel.
- **Bridge / Stereo Operation:** Flexible modes for different audio setups.
- **Dual Cooling Fans:** Ensures stable operation and prevents overheating.
- **Precise LED Meters:** Signal, Clip, and Protect indicators to monitor performance and safeguard the unit.
- **Complete Air Flow (CAF) Ventilation System:** Automatic variable-speed fan for efficient and quiet cooling.
- **High-Quality Construction:** Rugged design with durable components for long-term reliability.

# FEATURES OF 2U PROFESSIONAL 2CH POWER AMPLIFIER

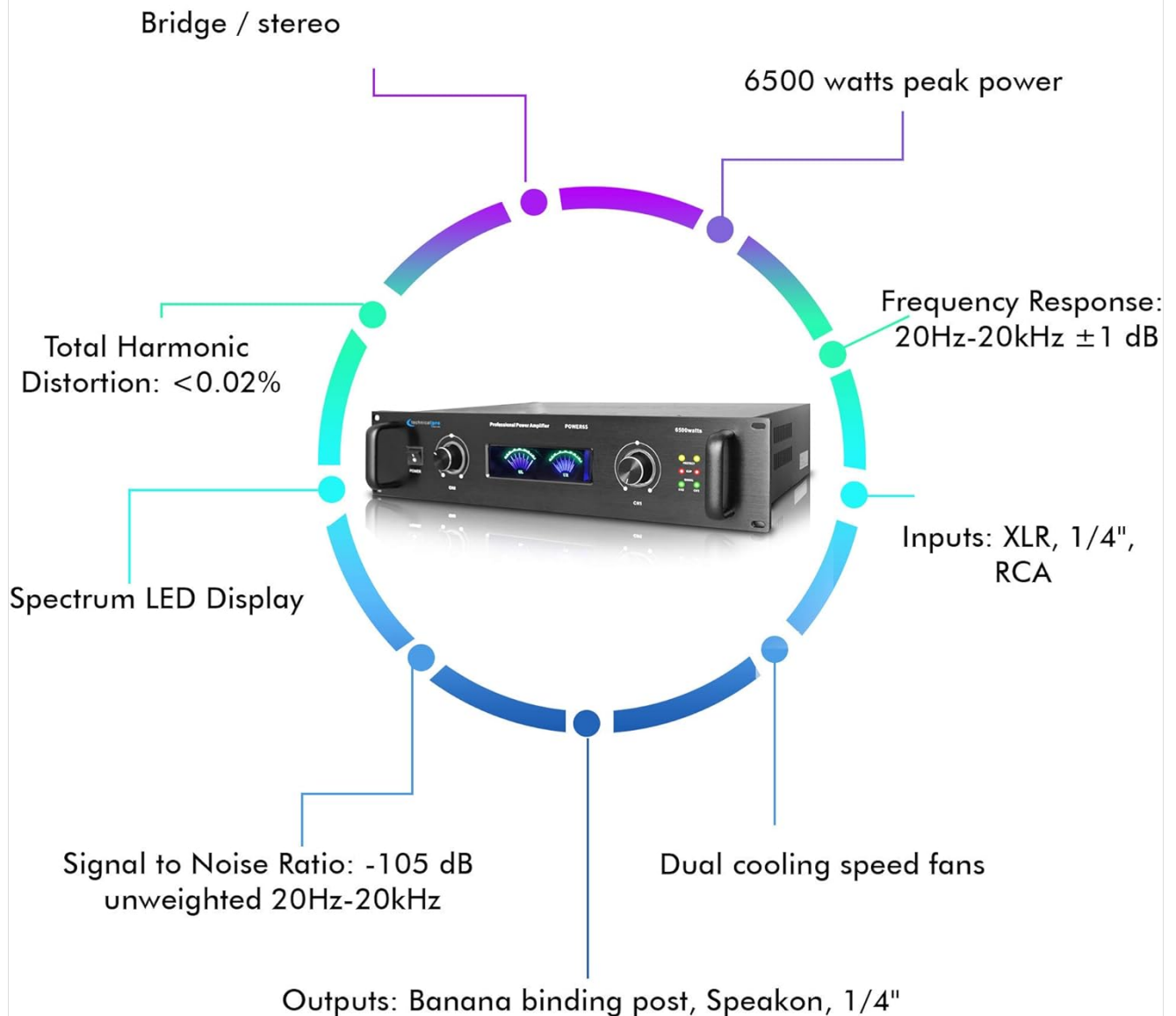


Figure 3: Key features of the POWER65 amplifier.

## Setup Guide

Follow these steps to properly set up your Technical Pro POWER65 amplifier:

1. **Placement:** Position the amplifier on a stable, flat surface, ensuring adequate ventilation around the unit. Do not block the cooling fan vents.
2. **Power Off:** Ensure the amplifier's power switch is in the OFF position before making any connections.
3. **Input Connections:** Connect your audio source (mixer, pre-amplifier, etc.) to the amplifier's input jacks. The POWER65 supports XLR, 1/4", and RCA inputs. Use appropriate cables for your source.
4. **Output Connections:** Connect your speakers to the amplifier's output terminals. The POWER65 offers Banana binding post, Speakon, and 1/4" outputs. Ensure correct polarity (+ to + and - to -) when connecting speakers.
5. **Power Connection:** Plug the provided power cord into the amplifier's AC inlet, then plug the other end into a suitable power outlet.
6. **Initial Volume Setting:** Turn the CH1 and CH2 volume knobs to their minimum (fully counter-clockwise) position before powering on.

# FRONT AND BACK PANEL OF TECHNICAL PRO POWER AMPLIFIER



**FRONT-PANEL**



**BACK - PANEL**

Figure 4: Front and back panel connections of the POWER65 amplifier.

## Operating Instructions

Once the amplifier is set up, follow these steps for operation:

1. **Power On:** Flip the power switch on the front panel to the ON position. The power indicator LED will illuminate.
2. **Volume Adjustment:** Slowly increase the CH1 and CH2 volume knobs to achieve the desired audio level. Observe the Spectrum LED Display for visual feedback on signal levels.
3. **Monitoring Performance:** The front panel features LED indicators for Signal, Clip, and Protect. The Signal LED indicates an active audio signal. The Clip LED illuminates when the signal is too strong and causing distortion; reduce the volume if this occurs. The Protect LED indicates that the amplifier has entered protection mode due to an issue (e.g., overheating, short circuit); power off the unit and troubleshoot if this occurs.
4. **Bridge/Stereo Mode:** The amplifier supports both stereo and bridged mono operation. Refer to the specific connection diagrams for your desired mode. In stereo mode, each channel operates independently. In bridged mode, both channels combine to deliver higher power to a single speaker.
5. **Power Off:** Before disconnecting any cables or shutting down your audio system, turn the amplifier's volume knobs to minimum and then flip the power switch to the OFF position.






Figure 5: The POWER65 amplifier integrated into a professional audio setup.


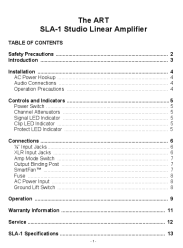



## Maintenance

Proper maintenance ensures the longevity and optimal performance of your amplifier:

- **Cleaning:** Regularly wipe the exterior of the amplifier with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- **Ventilation:** Ensure that the amplifier's ventilation openings are clear of dust and obstructions. The

## Related Documents - POWER65

	<a href="#">AIYIMA A01 PRO Bluetooth 5.1 2.0 Channel Amplifier User Manual</a> Comprehensive user manual for the AIYIMA A01 PRO Bluetooth 5.1 2.0 Channel Amplifier, covering operation steps, technical specifications, troubleshooting FAQs, and safety warnings.
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	<p><a href="#">AIYIMA A01 PRO Bluetooth 5.1 2.0 Channel Amplifier User Manual</a></p> <p>User manual for the AIYIMA A01 PRO Bluetooth 5.1 2.0 Channel Amplifier, covering operation steps, specifications, and frequently asked questions for optimal audio performance.</p>
	<p><a href="#">ART SLA-1 Studio Linear Amplifier: User Manual, Features, and Specifications</a></p> <p>Detailed user manual for the ART SLA-1 Studio Linear Amplifier, covering safety, installation, operation, controls, connections, warranty, service, and technical specifications. Learn about this 100W per channel professional audio amplifier.</p>
	<p><a href="#">Ecler GPA2-400ES Stereo High-efficiency Amplifier User Manual</a></p> <p>Comprehensive user manual for the Ecler GPA2-400ES stereo high-efficiency amplifier, detailing installation, operation, technical specifications, safety guidelines, and maintenance procedures.</p>
	<p><a href="#">AIYIMA A07 PRO Bluetooth 5.2 Amplifier User Manual</a></p> <p>User manual for the AIYIMA A07 PRO amplifier, detailing its specifications, front and rear panel descriptions, and frequently asked questions. This HiFi Class D amplifier supports Bluetooth 5.2 and has a 2.0/2.1 channel output.</p>
	<p><a href="#">Fosi Audio BT30D PRO Bluetooth Power Amplifier User Guide</a></p> <p>Comprehensive user guide for the Fosi Audio BT30D PRO Bluetooth 5.0 power amplifier, detailing product overview, specifications, quick setup, troubleshooting tips, and warranty information.</p>

