

Engel AL6121C

Engel AL6121C 24V 120mA Dual Output Power Supply User Manual

Model: AL6121C

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Engel AL6121C 24V 120mA Dual Output Power Supply. Please read this manual thoroughly before using the device to ensure proper function and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The Engel AL6121C is a power supply unit designed to provide 24V DC power with a maximum current of 120mA across two outputs. It is specifically engineered to power DTT (Digital Terrestrial Television) masthead amplifiers and is compatible with all preamplifiers that require a 24V power input. This unit ensures stable and reliable power delivery for optimal signal amplification.



Figure 1: Engel AL6121C 24V 120mA Dual Output Power Supply. This image shows the compact design of the power supply unit with its input and output ports.

3. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the device or injury to yourself:

- Do not expose the device to water, moisture, or extreme temperatures.
- Ensure the power supply is connected to a properly grounded electrical outlet.
- Do not open the casing of the power supply. There are no user-serviceable parts inside.
- Disconnect the power supply from the mains before making any connections or disconnections.
- Use only the specified voltage and current ratings.
- Keep out of reach of children.

4. SETUP

Follow these steps to correctly set up your Engel AL6121C power supply:

1. **Identify Connections:** Locate the input (mains power) and output (24V DC to amplifier) ports on the power supply unit.
2. **Connect to Amplifier:** Connect the output cable from the AL6121C to the 24V input port of your DTT masthead amplifier or preamplifier. Ensure a secure connection.
3. **Connect to Antenna System:** Ensure your antenna is properly connected to the masthead amplifier.
4. **Power Connection:** Plug the power supply unit into a standard electrical wall outlet (230V AC, 50Hz).
5. **Verify Operation:** Check for any indicator lights on the power supply or amplifier (if present) to confirm power is being supplied.

For optimal performance, ensure all coaxial cable connections are tight and properly shielded.

5. OPERATING INSTRUCTIONS

The Engel AL6121C power supply operates automatically once connected to the mains power and the compatible amplifier. There are no user-adjustable settings.

- Ensure the power supply remains plugged in for continuous operation of your masthead amplifier.
- If an indicator light is present, it should illuminate when the unit is receiving power and functioning correctly.

6. MAINTENANCE

The Engel AL6121C requires minimal maintenance:

- **Cleaning:** Disconnect the power supply from the mains before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically check the power cord and connections for any signs of damage. If damage is found, discontinue use and replace the unit.
- **Ventilation:** Ensure the unit is placed in a location with adequate ventilation to prevent overheating. Do not cover the unit.

7. TROUBLESHOOTING

If you experience issues with your Engel AL6121C power supply, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power to amplifier/No signal	Power supply not plugged in or faulty outlet.	Ensure the power supply is securely plugged into a working electrical outlet. Test the outlet with another device.
No power to amplifier/No signal	Loose or incorrect cable connections.	Check all coaxial cable connections between the power supply and the amplifier, and between the amplifier and the antenna/TV. Ensure they are tight.
No power to amplifier/No signal	Faulty power supply unit.	If all connections are correct and the outlet is working, the power supply unit may be faulty. Contact customer support.

Problem	Possible Cause	Solution
Poor signal quality	Amplifier not receiving sufficient power.	Verify the power supply is functioning. Ensure the amplifier is compatible with 24V power.

If the problem persists after attempting these solutions, please contact Engel customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Engel
Model Number	AL6121C
Output Voltage	24V DC
Output Current	120mA (max)
Number of Outputs	2
Input Voltage	230V AC, 50Hz (Standard European Mains)
Compatible Devices	DTT Masthead Amplifiers, 24V Preamplifiers

9. WARRANTY AND SUPPORT

Information regarding the specific warranty period for the Engel AL6121C is not available in this document. Please refer to your purchase documentation or contact your retailer for warranty details.

For technical support or further assistance, please contact Engel customer service through their official website or the contact information provided with your purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question