

KFD 9c739d5a-1913-4ccd-ad3e-f63f6198e424

KFD 12V Mini PC Power Supply Instruction Manual

Model: 9c739d5a-1913-4ccd-ad3e-f63f6198e424

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient use of your KFD 12V Mini PC Power Supply. Please read this manual thoroughly before using the product and retain it for future reference. This power supply is designed to provide stable 12V DC power to compatible mini desktop computers and other electronic devices.



Image 1.1: The KFD 12V Mini PC Power Supply, showing the adapter block, power cord, and barrel connector.

2. SAFETY INFORMATION AND CERTIFICATIONS

Your KFD power supply is engineered with multiple safety features to ensure reliable operation and protection for your devices. Adherence to these guidelines is crucial for preventing damage and ensuring user safety.

2.1 Safety Certifications

This product is certified by leading international safety standards:

- **UL Certified:** Underwriters Laboratories certification ensures electrical safety.
- **CE Certified:** Conforms to European Union health, safety, and environmental protection standards.
- **FCC Certified:** Complies with Federal Communications Commission standards for electromagnetic interference.
- **RoHS Compliant:** Restricts the use of hazardous substances in electrical and electronic products.

2.2 Built-in Protection Features

The power adapter incorporates advanced protection mechanisms:

- **OVP (Over Voltage Output Protection):** Automatically shuts down the power supply if the output voltage exceeds a safe level, protecting connected devices from damage.
- **OCP (Over Current Output Protection):** Prevents damage from excessive current draw by limiting the output current.
- **SCP (Short Circuit Output Protection):** Safeguards against short circuits by immediately cutting off power, preventing overheating and potential fire hazards.
- **Overload Prevention:** Manages power delivery to prevent the adapter from being stressed beyond its capacity.
- **Overheat Protection:** Monitors internal temperature and shuts down if it becomes too high.
- **Current Surge Protection:** Protects against sudden spikes in electrical current.



Image 2.1: Diagram illustrating the safety and stability features, including current surge, short circuit, over heat, and over voltage protection.



Image 2.2: Visual representation of the charging safety multiprotect system, highlighting chip quality, ABC+PC material, fire retardant properties, and heat dissipation.

3. PRODUCT FEATURES

The KFD 12V Mini PC Power Supply offers several design and material advantages:

- **High Efficiency Chip Solution:** Ensures stable and efficient power conversion.
- **Durable Construction:** Made with fire-retardant materials for enhanced safety.
- **Pure Copper Wire Core:** The power cord features an 18 AWG pure copper wire core (3*0.824mm²) for optimal conductivity and durability.
- **Space-Saving Design:** The adapter's compact form factor is designed to avoid blocking adjacent outlets.

HIGH QUALITY PURE COPPER WIRE CORE



Image 3.1: Close-up view of the power cord illustrating the 18 AWG pure copper wire core for enhanced durability and conductivity.

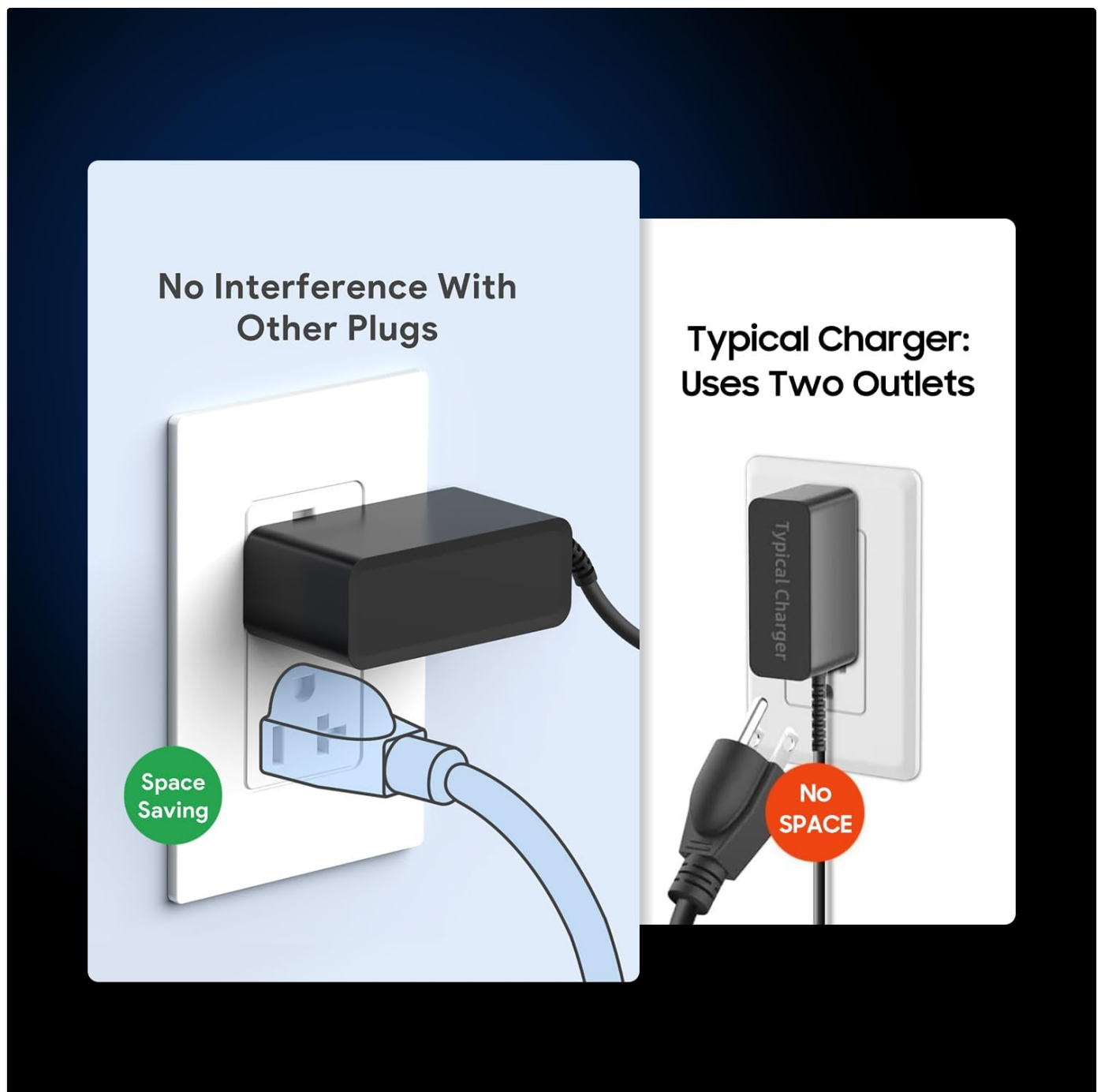


Image 3.2: Comparison showing the KFD adapter's design that prevents interference with other plugs, allowing for space-saving use of wall outlets.

4. SETUP INSTRUCTIONS

Follow these steps to correctly set up your KFD 12V Mini PC Power Supply:

1. **Verify Compatibility:** Ensure your device requires a 12V DC input and has a compatible barrel connector. Refer to your device's specifications. This power supply is compatible with many mini PCs, including KAMRUI AK1 Pro, Acepc Areel, Beelink, Bmax, Coofun, Gigabyte, Kodlix, Matricom, Minix, Plater, Protectli, Qotom, and Yundoo models.
2. **Connect to Device:** Insert the barrel connector of the power supply into the DC input port of your mini PC or compatible device. Ensure a snug fit.
3. **Connect to Power Outlet:** Plug the AC adapter into a standard 100-240V wall outlet.
4. **Power On:** Once connected, your device should receive power. Turn on your mini PC as per its own instructions.



Image 4.1: The KFD power supply connected to a mini PC, demonstrating proper setup for charging and operation.



Image 4.2: An example of a mini PC set up on a desktop, powered by the KFD adapter, illustrating a typical operational environment.

5. OPERATING INSTRUCTIONS

The KFD 12V Mini PC Power Supply operates automatically once connected. No user intervention is required during normal operation.

- Ensure the power supply is placed in a well-ventilated area to prevent overheating.
- Avoid covering the power adapter during use.
- If using external peripherals with your mini PC, it is recommended to connect them before powering on the computer to allow the power supply to manage the initial current draw effectively.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power supply:

- **Cleaning:** Disconnect the power supply from the wall outlet and your device before cleaning. Use a dry, soft cloth to wipe the surface. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the power supply in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or kinks in the power cord. Do not place heavy objects on the cable.

7. TROUBLESHOOTING

If you encounter issues with your KFD 12V Mini PC Power Supply, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not powering on.	<ul style="list-style-type: none">◦ Power supply not properly connected.◦ Wall outlet not functioning.◦ Device compatibility issue.◦ Power supply fault.	<ul style="list-style-type: none">◦ Ensure both ends of the power supply are securely connected.◦ Test the wall outlet with another device.◦ Verify your device's power requirements match the adapter's specifications.◦ If possible, test with another compatible power supply. If the issue persists, contact support.
Power supply feels hot.	<ul style="list-style-type: none">◦ Normal operation (slight warmth).◦ Poor ventilation.◦ Overload.	<ul style="list-style-type: none">◦ Ensure adequate airflow around the adapter.◦ Disconnect non-essential peripherals. If excessive heat persists, discontinue use and contact support.
Intermittent power to device.	<ul style="list-style-type: none">◦ Loose connection.◦ Damaged cable/connector.	<ul style="list-style-type: none">◦ Check all connections for tightness.◦ Inspect the cable and connector for visible damage. If damaged, discontinue use and replace.

8. SPECIFICATIONS

Detailed technical specifications for the KFD 12V Mini PC Power Supply:

Feature	Detail
Brand	KFD
Model Number	9c739d5a-1913-4ccd-ad3e-f63f6198e424
Input Voltage	100-240V AC, 50-60Hz

Feature	Detail
Output Voltage	12V DC
Output Amperage	2.5 Amps
Power Output	30W
Connector Type	Barrel Connector (3.5mm x 1.35mm)
Color	Black
Item Weight	5.6 ounces
Package Dimensions	5.2 x 3.54 x 1.57 inches
Certifications	UL, CE, FCC, RoHS



Image 8.1: The back of the KFD power adapter, displaying input/output specifications and regulatory marks.

9. WARRANTY AND SUPPORT

KFD stands behind the quality of its products. Your KFD 12V Mini PC Power Supply comes with the following:

- **Warranty:** 36 Months Warranty from the date of purchase.
- **Free Exchange:** 30 Days Free Exchange for any manufacturing defects.

For technical support, warranty claims, or any questions regarding your product, please contact KFD customer service through the retailer where the product was purchased or visit the official KFD store page on Amazon: [KFD Store](#).





Image 9.1: KFD's 3-year warranty badge, indicating extended product assurance.

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Related Documents - 9c739d5a-1913-4ccd-ad3e-f63f6198e424

	<p>Warriorland Crossbow MA2 Universal Tactical Light User Manual</p> <p>Comprehensive user manual for the Warriorland Crossbow MA2 Universal Tactical Light, detailing specifications, operating instructions, safety warnings, compatibility, and maintenance.</p>
	<p>Motomaster Eliminator 11-1913-6 Booster Pack with Air Compressor Owner's Manual</p> <p>Owner's manual for the Motomaster Eliminator 11-1913-6 Booster Pack with Air Compressor, providing instructions on jump-starting vehicles, charging devices, using the air compressor, safety guidelines, maintenance, and warranty information.</p>
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