

KFD TDW-651-BK

KFD 24W 12V Universal Power Adapter Instruction Manual

Model: TDW-651-BK

1. INTRODUCTION

Thank you for choosing the KFD 24W 12V Universal Power Adapter, Model TDW-651-BK. This adapter is designed to provide reliable power to a wide range of electronic devices requiring a 12V DC input, up to 2A (24W). Please read this manual carefully before using the product to ensure proper operation and safety.

2. SAFETY INFORMATION

To prevent electric shock, fire, or damage to the product, please observe the following safety precautions:

- Ensure the power adapter is compatible with your device's voltage and current requirements. This adapter provides 12V DC output.
- Do not expose the adapter to water, moisture, or high humidity.
- Do not disassemble or modify the adapter. Refer all servicing to qualified personnel.
- Avoid using the adapter in extremely hot or cold environments.
- Keep the adapter away from children.
- Unplug the adapter from the power outlet when not in use for extended periods.
- Ensure proper ventilation around the adapter during operation.

Charging Safety Multiprotect



Chip
quality



ABC + PC



Fire
Retardant



Heat
Dissipation



Figure 1: KFD Power Adapter highlighting built-in safety features for multi-protection.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x KFD 24W 12V Power Adapter with 1.8-meter cable
- 7 x DC Connector Tips (various sizes, including an LED connector)



Figure 2: Overview of the KFD Power Adapter and included DC tips.

4. SETUP INSTRUCTIONS

Follow these steps to connect your power adapter:

1. **Identify the correct DC tip:** Compare the included DC connector tips with the power input port of your device. Select the tip that fits securely and matches the required dimensions.
2. **Verify polarity:** Ensure the polarity of the selected DC tip matches your device's requirements. The KFD adapter uses a standard **Inner: Positive (+), Outer: Negative (-)** configuration. Most devices follow this standard, but always confirm with your device's manual.
3. **Attach the DC tip:** Firmly connect the chosen DC tip to the adapter's output cable.
4. **Connect to device:** Insert the attached DC tip into your device's power input port.
5. **Plug into power outlet:** Insert the adapter's AC plug into a standard AC 100-240V wall outlet.
6. **Power on device:** Once connected, you can power on your device.

DIMENSINOS OF 7 DC TIPS

Ultra-compact stucture,sold connection, automtict welding process,stable and safe

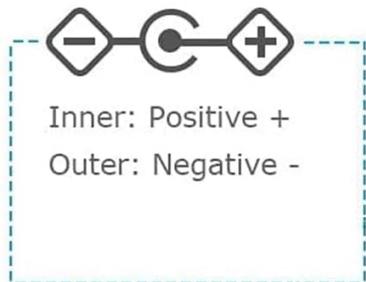


Figure 3: DC Connector Tips and Polarity Diagram. Ensure correct tip selection and polarity matching for your device.

Strong Applicability

Come With Multiple Expanded plugs, fit for More Electronics.



Figure 4: Examples of compatible devices for the KFD Universal Power Adapter.

5. OPERATING INSTRUCTIONS

The KFD power adapter is designed for continuous operation within its specified limits. Once connected, it will supply stable 12V DC power to your device. No further user interaction is typically required during operation.

- Always ensure the adapter is not covered to allow for proper heat dissipation.
- If your device requires less than 2A, the adapter will supply only the necessary current.
- Do not overload the adapter by connecting devices that require more than 2A (24W) at 12V.

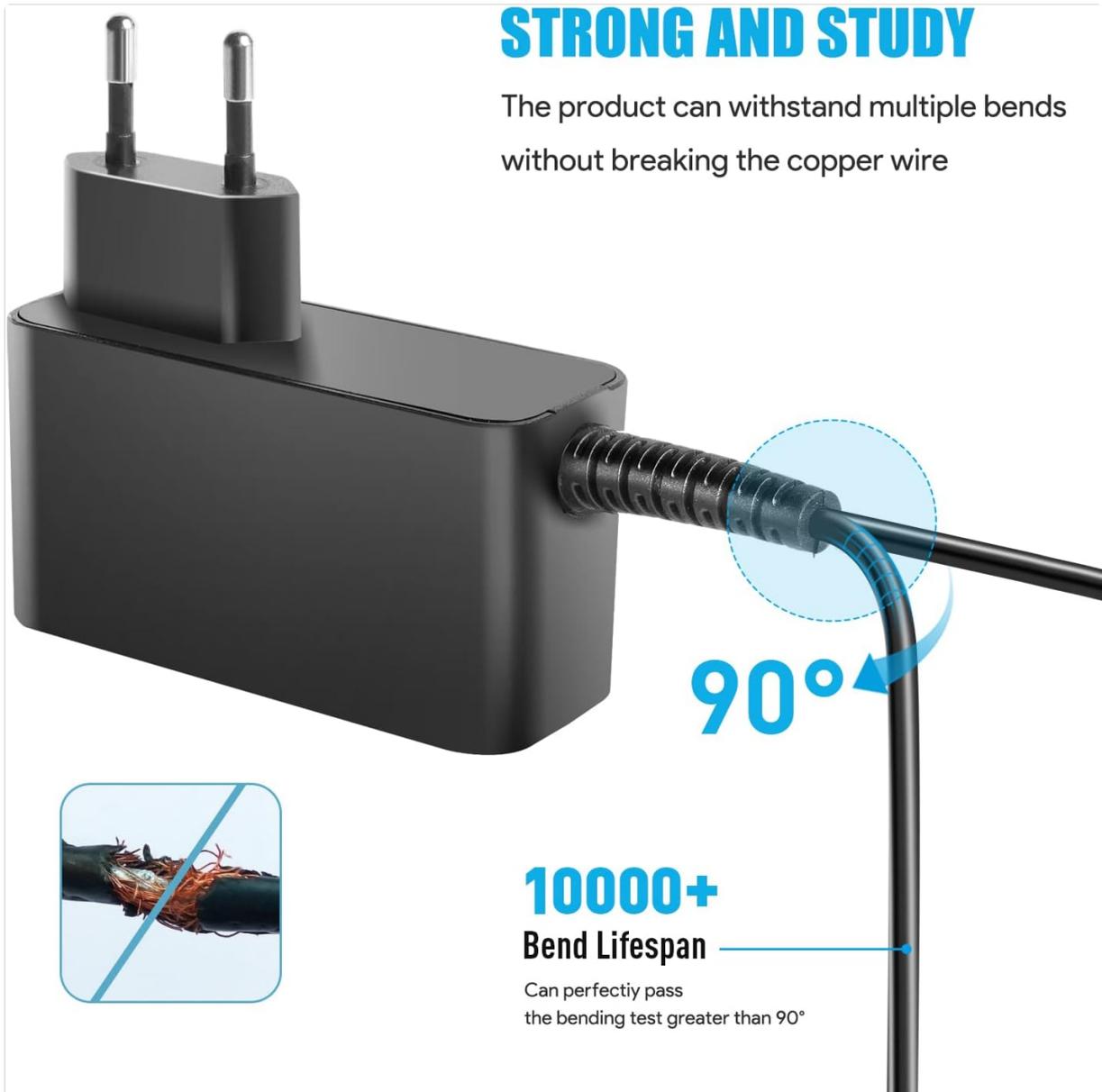
6. MAINTENANCE

To ensure the longevity and optimal performance of your KFD power adapter:

- **Cleaning:** Disconnect the adapter from the power outlet and your device before cleaning. Use a soft, dry cloth to wipe the surface. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and

extreme temperatures.

- **Cable Care:** Avoid sharp bends or kinks in the cable. Do not place heavy objects on the cable.



STRONG AND STURDY

The product can withstand multiple bends without breaking the copper wire

90°

10000+
Bend Lifespan

Can perfectly pass the bending test greater than 90°

Figure 5: The adapter's cable is designed for durability and resistance to bending.

7. TROUBLESHOOTING

If you encounter issues with your KFD power adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not powering on.	Adapter not plugged in. Incorrect DC tip used. Incorrect polarity. Device requires more power than 24W. Faulty power outlet.	Ensure adapter is securely plugged into a live outlet. Verify the DC tip matches your device's port. Check your device's manual for correct polarity and ensure the adapter's tip matches. Confirm your device's power requirements do not exceed 12V 2A (24W). Test the outlet with another device.

Problem	Possible Cause	Solution
Adapter feels hot.	Normal operation under load. Poor ventilation. Overload.	A slight warmth is normal. Ensure the adapter is in an open area with good airflow. Disconnect if excessively hot and verify device power requirements.
Intermittent power.	Loose connection. Damaged cable/tip.	Check all connections (wall outlet, adapter to tip, tip to device). Inspect the cable and tips for any visible damage. Replace if damaged.

8. SPECIFICATIONS

Feature	Detail
Model Number	TDW-651-BK
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 12V
Output Current	2A (2000mA)
Output Power	24W (Max)
Cable Length	1.8 meters
DC Connector Tips	7 interchangeable tips (including LED connector)
Polarity	Inner Positive (+), Outer Negative (-)
Certifications	CE, ROHS, TUV, UL, GS, REACH
Compatible Devices	External hard drives (e.g., Western Digital, Seagate), Yamaha keyboards (e.g., PA130, PSR-F51), routers (e.g., Fritzbox, Speedport), LED strip lights, USB hubs, CCTV cameras, monitors, and other 12V devices requiring up to 2A.

9. WARRANTY AND SUPPORT

KFD provides a 3-year warranty for this product, ensuring quality and reliability. If you have any questions, concerns, or require technical assistance, please do not hesitate to contact our customer service team. We are committed to providing continuous support to ensure your satisfaction with our product.



Wir versprechen

Wir engagieren uns für Sekundärenergielösungen Maßgeschneidert
Die Ideen und technischen Bedürfnisse unserer Kunden.

Seien Sie versichert, dieses Produkt wurde getestet.
Bringen Sie sich auch bei intensiver Nutzung von Ihrer besten Seite



Figure 6: KFD offers a 3-year warranty and dedicated customer support.