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› KFD Universal Power Adapter User Manual

KFD TDW-1452-DE-2

KFD Universal Power Adapter User Manual

Model: TDW-1452-DE-2

1. PRODUCT OVERVIEW

The KFD Universal Power Adapter (Model: TDW-1452-DE-2) is a versatile and reliable power supply unit designed to provide stable and safe power to a wide range of electronic devices. It features multiple interchangeable DC tips, ensuring broad compatibility with various appliances requiring 26V DC input.



Image 1.1: The KFD Universal Power Adapter, showcasing the main unit and the array of interchangeable DC tips for broad compatibility.

This adapter is engineered with advanced safety features to protect your devices from electrical hazards, offering a secure and efficient power solution.

2. SAFETY INFORMATION

Your KFD power adapter is designed with multiple safety protections to ensure reliable and secure operation. Please observe the following safety guidelines:

- **Over Voltage Protection (OVP):** Prevents damage to your device from excessive voltage.
- **Over Current Output Protection (OCP):** Protects against damage from excessive current draw.
- **Short Circuit Protection (SCP):** Automatically shuts down in case of a short circuit to prevent damage to the adapter and connected device.
- **Temperature Control:** Integrated thermal management to prevent overheating.

BUILT SAFETY PROTECTIONS

Designed with Safety in mind



Surge
protection



Current
stabilizer



Temperature
control



Short circuit
prevention



↳ 76mm*40mm*27mm
2.79in*1.57in*1.06in

Image 2.1: Visual representation of the built-in safety protections, including surge protection, current stabilization, temperature control, and short circuit prevention.

Always ensure the adapter is used in a well-ventilated area and avoid covering it during operation. Do not expose the adapter to water or extreme temperatures.

3. COMPATIBILITY

This universal power adapter is compatible with a wide range of devices requiring a 26V DC input, with current draw up to 780mA. It includes 10 popular interchangeable DC tips to match various device requirements. Always verify your device's voltage and current requirements before connecting.

3.1. Compatible Devices

The adapter is suitable for many models of vacuum cleaners, monitors, LED strip lights, printers, aromatherapy machines, routers, CCTV cameras, water cooler dispensers, and more. Specific compatible vacuum cleaner models include, but are not limited to:

- Authmic XL-618A Cordless Vacuum Cleaner
- Grundig VCP3830, GMS2770, DK20C-260060H-V

- Hoover H-Free 100 PETS, H-Free 100 Home, FM216LI 011 Free Motion
- Beko VRT82821DV (8813443200), VRX221DR (8815993200)
- Leifheit Regulus Aqua PowerVac (11914), Regulus Aqua PowerVac Pro (11935)
- Dirt Devil Cavalier series (DD698-1, DD698-2, DD698-3, DD698-4, DD698-5)
- Silvercrest SHAZ 22.2 D5 (IAN 359294), SHAZ 22.2 E6 (IAN 377365/379885)
- Genius Invictus X5 Cordless Vacuum Cleaner
- PUPPYOO ZD12D260050EU, WP536
- Rowenta RH67756WO, RH6751WO Dual Force 2-in-1 Vacuum Cleaner
- Tristar SZ-1980, SZ-1980RED, SZ-2010

Strong Applicability

Come With Multiple Expanded plugs, fit for More Electronics.



mini fan



24V LCD Monitor



led strip light



Printer



Aromatherapy machine



router



CCTV Camera



Water cooler dispenser

Image 3.1: Illustration of the broad applicability of the KFD power adapter, showing various compatible electronic devices.

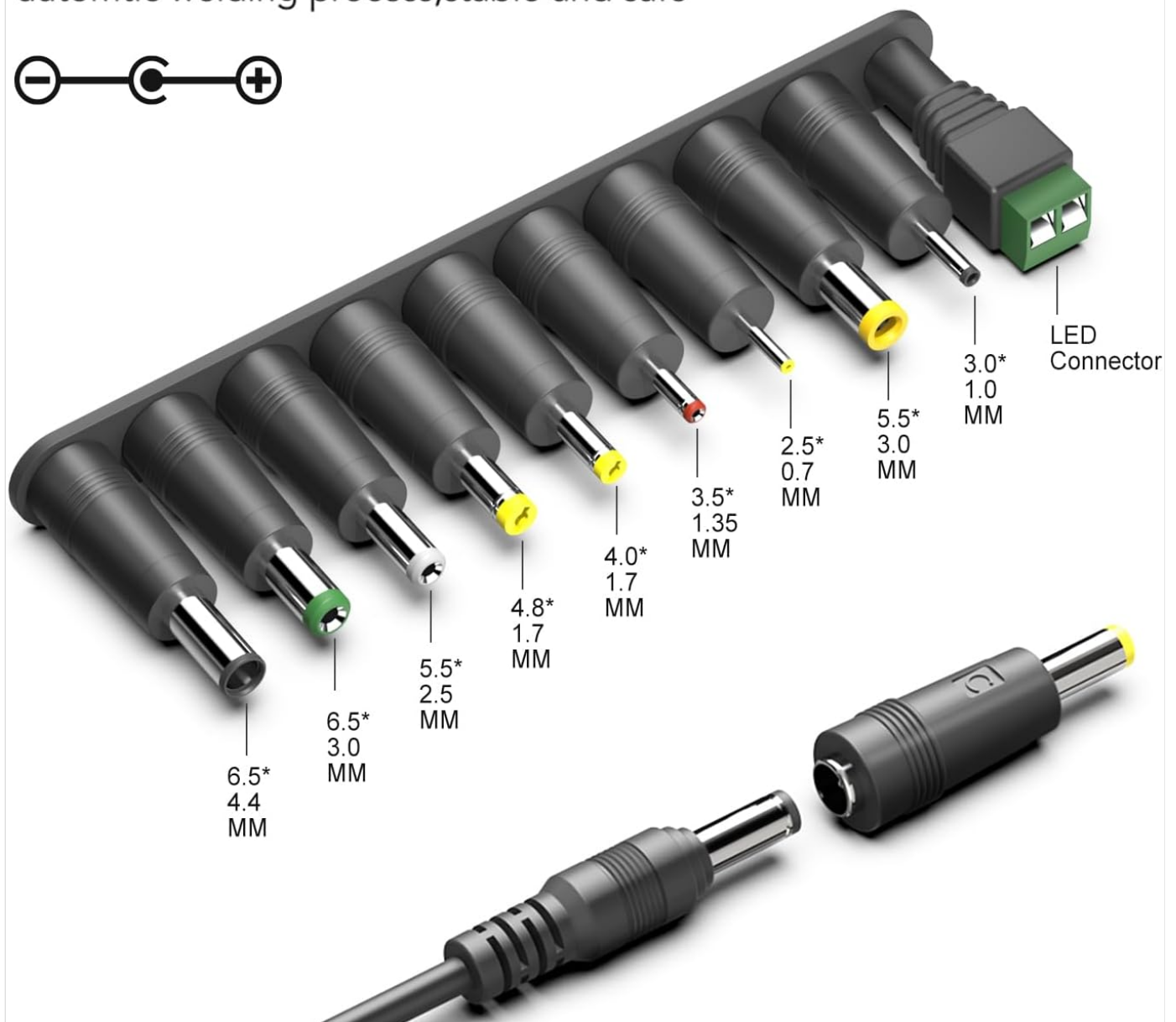
3.2. DC Tip Dimensions

The adapter comes with 10 different DC tips to ensure compatibility with various input ports. The dimensions are as follows:

- 6.5 x 4.4 mm
- 6.5 x 3.0 mm
- 5.5 x 3.0 mm
- 5.5 x 2.5 mm
- 4.8 x 1.7 mm
- 4.0 x 1.7 mm
- 3.5 x 1.35 mm
- 3.0 x 1.0 mm
- 2.5 x 0.7 mm
- LED Connector

Dimensions of 10 DC tips

Ultra-compact structure, solid connection,
automatic welding process, stable and safe



4. SETUP

1. **Identify Correct Tip:** Select the DC tip that perfectly matches the input port of your electronic device. Ensure a snug fit to prevent loose connections.
2. **Attach Tip to Adapter:** Connect the selected DC tip to the output cable of the KFD power adapter.
3. **Connect to Device:** Insert the DC tip into your device's power input port.
4. **Plug into Power Outlet:** Insert the adapter's plug into a standard 240V AC wall outlet.



Image 4.1: The power adapter in use, demonstrating connection to a device and a wall outlet.

The adapter features a nickel-plated metal plug for anti-oxidation and a robust design to withstand multiple bends, ensuring durability and a long lifespan.

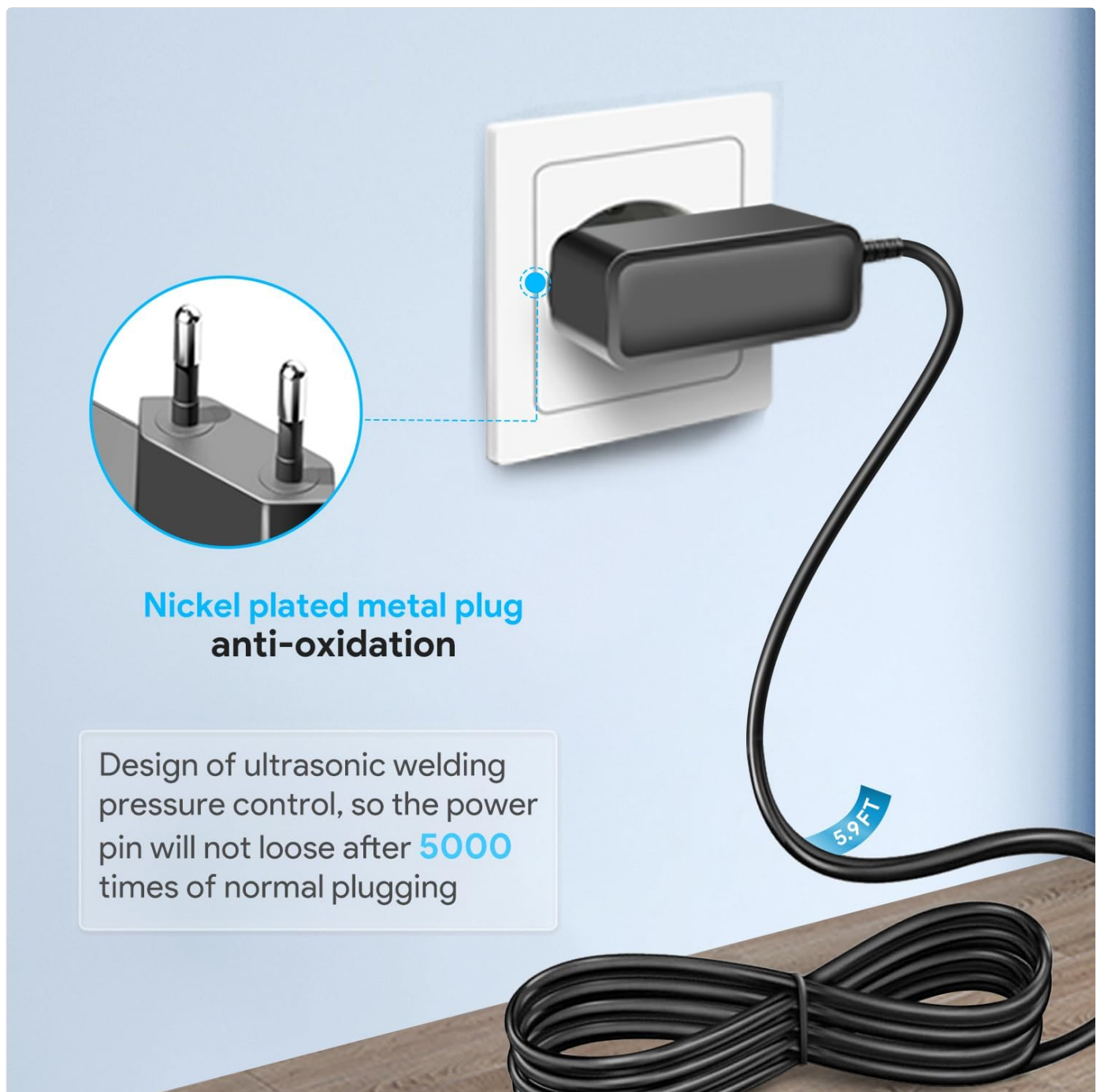


Image 4.2: Detail of the nickel-plated plug designed for anti-oxidation and the cable's bend lifespan, highlighting its durability.

5. OPERATION

Once properly connected, the KFD power adapter will automatically supply power to your device. There are no additional controls or settings required for operation. The adapter is designed for continuous and stable power delivery. The product is built with high-quality materials, including Acrylonitrile Butadiene Styrene and Polycarbonate, ensuring robust performance and longevity.

6. MAINTENANCE

- **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 abrasive materials.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and moisture when not in use.
- **Cable Care:** Avoid sharp bends or kinks in the power cable. Do not place heavy objects on the cable.

- **Inspection:** Periodically inspect the adapter and cable for any signs of damage, such as frayed wires or cracked casing. If damage is found, discontinue use immediately.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not powering on.	Incorrect DC tip selected, loose connection, power outlet issue, device fault.	Ensure the correct DC tip is used and securely connected. Test the power outlet with another device. Check your device for other issues.
Adapter feels hot.	Normal operation (slight warmth), excessive load, poor ventilation.	Ensure adequate ventilation around the adapter. Verify your device's current draw does not exceed 780mA. If excessively hot, disconnect immediately.
Intermittent power.	Loose connection, damaged cable/tip.	Check all connections. Inspect the cable and DC tip for any visible damage. Replace if damaged.

If you encounter issues not listed here or if the problem persists after attempting the solutions, please contact KFD customer support for assistance.

8. SPECIFICATIONS

Feature	Detail
Brand	KFD
Model Number	TDW-1452-DE-2
Product Type	Power Adapter
Input Voltage	240 Volts (AC)
Output Voltage	26.1 Volts (DC)
Output Current	0.78 Amps (780mA)
Power Output	20.28 Watts
Connector Type	DC Barrel (with 10 interchangeable tips)
Special Features	Short Circuit Protection, Over Voltage Protection, Over Current Protection, Temperature Control
Material	Acrylonitrile Butadiene Styrene, Polycarbonate
Components Included	1 Power Cable

9. WARRANTY AND SUPPORT

KFD products are manufactured to high-quality standards and undergo rigorous testing. For any product-related inquiries, technical support, or warranty claims, please contact KFD customer service through the retailer's platform or the official KFD website.

Please retain your purchase receipt as proof of purchase for warranty purposes.

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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.

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