

KFD Q15BU-052503000

# KFD 5V Universal Power Supply User Manual

Brand: KFD | Model: Q15BU-052503000

## 1. INTRODUCTION AND OVERVIEW

The KFD 5V Universal Power Supply is a versatile AC adapter designed to provide stable and efficient power to a wide range of electronic devices. With its compact design and multiple interchangeable DC connector tips, it offers a convenient solution for various power needs, from charging tablets and smartphones to powering gaming consoles, routers, and LED lights. This manual provides essential information for the safe and effective use of your power supply.



Image: The KFD 5V Universal Power Supply, showcasing the main adaptor unit, attached cable, and the seven included interchangeable DC connector tips.

## 2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x 5V Universal Portable Power Supply with 5.5\*2.1mm plug
- 7 x Converter Plugs (5.5mm x 2.5mm / 4.0mm x 1.7mm / 4.8mm x 1.7mm / 3.5mm x 1.35mm / 2.5mm x 0.7mm / 3.0mm x 1.0mm / Micro USB)
- 2 x USB Cable

## 3. SPECIFICATIONS

Refer to the table below for detailed technical specifications of the KFD 5V Universal Power Supply:

Feature	Detail
Brand	KFD
Model Number	Q15BU-052503000
Input Voltage	100-240V AC, 50-60Hz
Output Voltage/Current	5V 3A (15W) - Compatible with 2.5A, 2A, 1.5A, 1A, 0.5A
Connector Type	Round Connector with 7 interchangeable tips
Included Components	1 Power Adapter, 2 USB Cables
Item Weight	5.9 ounces
Package Dimensions	5.07 x 3.58 x 1.65 inches
Color	Black

# Small and convenient to travel

Compact and lightweight design for travel, meetings,  
It can be used in various situations such as business trips.



Product size :  
47mm\*47mm\*29mm  
Product weight :  
105g

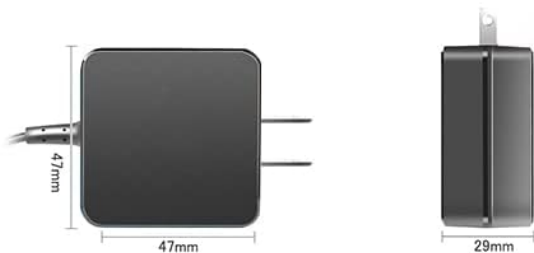


Image: The compact size of the KFD 5V Universal Power Supply, highlighting its dimensions (47mm x 47mm x 29mm) and light weight (105g), making it convenient for travel.

## 4. SETUP

To set up your KFD 5V Universal Power Supply, follow these steps:

1. **Identify Your Device's Power Requirements:** Before connecting, confirm the DC output voltage and amperage required by your device. This information is usually found on the device itself or its original power adapter.
2. **Select the Correct Connector Tip:** Choose one of the seven included interchangeable DC connector tips that matches your device's power input port. The tips include Micro USB, 5.5\*2.5mm, 4.8\*1.7mm, 4.0\*1.7mm, 2.5\*0.7mm, 3.0\*1.0mm, and 3.5\*1.35mm. Ensure a snug and secure fit.
3. **Attach the Connector Tip:** Firmly push the selected connector tip onto the end of the power supply's cable.
4. **Connect to Device:** Insert the attached connector tip into your device's power input port.
5. **Plug into Power Outlet:** Plug the KFD power supply into a standard 100-240V AC wall outlet.

### PARAMETERS OF 7PCS DC CONNECTOR TIPS

Please confirm the DC connector below and the original adapter connector.



DC Connevtor		DC Connevtor	
S	MICRO	H	3.5*1.35MM
C	5.5*2.5MM	L	3.0*1.0MM
F	4.8*1.7MM	I	2.5*0.7MM
G	4.0*1.7MM		

Image: A visual guide detailing the seven DC connector tips and their corresponding sizes, assisting users in selecting the correct tip for their device.

## 5. OPERATING INSTRUCTIONS

Once properly set up, the KFD 5V Universal Power Supply operates automatically. It will provide continuous

power to your connected device or charge its internal battery. No further user interaction is typically required during operation.



Image: The KFD power adapter connected to a wall outlet, illustrating its use with various compatible devices such as tablets, single-board computers (like Raspberry Pi), routers, cameras, and speakers.

## 6. COMPATIBILITY

The KFD 5V Universal Power Supply is broadly compatible with a multitude of 5V devices. Below is a comprehensive list of compatible devices and brands:

- **Gaming Consoles & Accessories:** Arcade1up (8121, LS3062020, 8261, 8296, 8295, Ms Pac-Man Counter-Cade Console Table), Sony Playstation 3 (PS3), PS4 VR Move CECH-ZCC1U Charging Station Dock, Sony Playstation TV PS Vita (VTE-1001 F1, VTE-1000, VTE-1016, PCH-2000), PS4 PDEL-100, ACC-219, CECH-ZAC2, ACC-212, PSP-100 5VDC Power Supply, Sony PSP (1000, 1004, 2000, 2004, 3000, 3004, E1000, E1004 SLIM & Lite), JXD games console, MX3, MX2, MXQ.
- **Tablets & E-readers:** Kindle Fire, Kindle HD, Fire HD (6, 8, 10), HDX (7, 8.9, 9.7), Paperwhite, Voyage, Fusion 5 Lapbook (T90B, T60, T50), Asus T100 T100TA T100TAM, Microsoft Surface 3 Tablet (3YY-00001, 4GY-00001), 7" 10" 10.2 inch Android Tablet PC Superpad VI VII V10 Flytouch 6, Android Tablet PC ProntoTec Valuepad (7", 9", 10"), iRulu (7 X7, 10.1 X10), Zeepad, Dragon Touch (7 K7, Y88, Y88X, 9

A93), Linx 10 tablet, Nabi 2 tablet, Samsung Galaxy Tablet, LG G-pad, ASUS ZenPad, Alldaymall (7", 8", 9", 10.1"), Nextbook Premium (7, 8, 9), Zeki, Proscan, NeuTab Tablet PC, RCA Viking Pro (10.1, 7, 9), Cambio W101 V2, Maven Pro, Galileo Pro, Nextbook-Ares (11, 11A), Flexx (10, 10.1", 11.6", 9, 8.9" 2 in 1 Tablet), Acer Iconia, emetic, visual land 7L, 7" iRola android, Nabi, z-pad, Zeepad, Polaroid 9", Polaroid M11H / M11HBK 11.6" Tablet, Hyundai T7 7" android, Android Dragon Touch, irulu, nephew's, odroid-u2, Trio Stealth pro 9.7", Odroid-X2, Visual Land Prestige 10 tablets.

- **Scanners & Printers:** Brother ADS-1190, ADS-1200, ADS-1250W, ADS-1700W, ADS-1300, ADS1190, ADS1200 Scanner.
- **Audio Devices:** Sony SRS-XB30, SRS-XB41 speaker, Sony RDP-M5iP, RDP-M7iP, SRS-A1, SRS-A212, SRS-A3, SRS-M50, SRS-M55, SRS-XB21, SRS-XB31, XB20, XB10, SRS-X2, SRS-X3, SRS-X11 speaker, JBL Charge 3 / Charge 2+ / Clip+ / Clip / Micro II / Micro / Flip 4/ Flip 3 / Flip 2 / Pulse / Pulse 2 / Go / Trip Bluetooth Speaker, Bose SoundLink Color-Mini 2 II (627840, 725192), Bose SoundLink Color Bluetooth Portable Speaker (627840-1110, 627840-1210, 627840-1410, 627840-1510, 627840-1610), Bose SoundLink Mini II (725192-1110, 725192-1310), Bose SoundLink Micro Bluetooth speaker, SoundBot (Sb510, Sb512, Sb520, Sb570, Sb571), SoundPal.
- **Networking Devices:** Webcam Router, Cable Modem, USB-HUB, Wireless Router, ADSL Cats, HUB, Switches, WLAN boxes like Netgear, D-Link, TP-Link, 2Wire ATT 2701HG-B Modem Wireless Router.
- **Cameras & Security:** CCTV camera power supply connection, Foscam Camera (FI8904W, FI8905W, FI8906W, FI8907W, FI8909W, FI8910W/E, FI8916W, FI8918W, FI9820W, FI9821W, FI9831W, FI9816P, FI9821P/W, FI9826P/W, FI9831P/W, R2, R4, FI9821EP), DVR NVR security camera, IP Camera, Kodak EasyShare Video Digital Pocket Camera (M320, M340, M341, M380, M381, M530, MP712, P880, V1003, V1073, V1233, V1253, V1273, V530, V550).
- **Smart Home & Lighting:** Philips Hue Bridge Hub 2.0 2.1 (3241312018A, 1st 2nd Gen CE0979, 458471, 464479), LED Pixel Light, WS2812B WS2811 SK6812 WS2813 LED Pixel light Strip, LED Christmas tree, LED lighting project, LED Strip Lights, Premier Decoration Snow Globe Light up Water Spinner Christmas Tree, 3528 5050 5630 LED strip.
- **Other Devices:** Electronic Toys, Mini Fan, Portable Air Conditioner, Monitor, USB-HUB, photo player, SCM development, access control attendance, digital picture frame, shower Christmas lights, Sabrent USB HUB, digital recorder, Facial Cleansing Brush (Foreo Luna 3/ Luna 3 Plus/ Luna/ Luna2/ Luna Mini/ Luna Mini 2/ Luna Go/ Luna Luxe, ISSA Series E-Toothbrush ISSA / ISSA Hybrid / ISSA mini / ISSA Mikro / ISSA play, ESPADA Acne Treatment Device, IRIS Eye Massager), Fairywill Sonic Electric Toothbrush (FWP11, FW507, FWD1, FWD3, FWD8, FW917, FW2001, FWE11, FW917, FWT9), LELO products (Ida, Lyla, Lyla 2, Oden, Oden 2, Ora, Ora 2, Tara, Alia, Isla, Soraya, Inez, Yva, Mia, Mia 2, Nea, Nea 2, Lily, Lily 2, Liv, Liv 2, Gigi, Gigi 2, Mona, Mona 2, Mona Wave, Ina, Ina 2, Ina Wave, Siri, Siri 2, Iris, Elise, Elise 2, Billy, Tor, Tor 2, Bo, Hugo, Bruno, Hula Beads, Loki, Loki Wave), Echo Dot (2nd Generation), Amazon Tap, SanDisk Sansa clip plus, Garmin GPS, Graco Glider LX / Glider Elite / Glider Premier swing, Raspberry Pi (2 Model B, A/A+/B/B+, Zero model, 3 Model B B+ A+ Plus, Pico), Polycom (2200-48872-001, 1465-48871-001 VVX 150, 250, 350, 450, VVX150, VVX450, 2200-48890-025 VVX EM50 x50 NA/JP IP Phones), HP Chromebook (11-1101, 11-1102, 11-1101US, 11-1121us, 11-2010nr, 11-2110nr, 11-1126GR, 11-1126UK, PA-1150-22GO), Yealink (T3, T46G & T48G IP Phones), Tascam (PS-P520, DP-008, DP-004, MPGT1, CDGT2, DR1, DR-07 Recorder, GT-R1 Guitar Bass Reer, MP-BT1 Trainer, MP-GT1 MP3, CD-BT2, CD-GT2, CD-VT2 Trainer), Pioneer DDJ-SX DDJ-SX2 Serato DJ Controller, Canon VIXIA HF-R800, HF-R82, HF-R80 Camcorder.

## 7. SAFETY FEATURES AND PROTECTIONS

The KFD 5V Universal Power Supply is designed with multiple safety features to ensure reliable and secure operation. It adheres to strict quality standards and certifications.

- **Certifications:** UL / CE / FCC / RoHS certified. UL LISTED, tested, approved, and certified by UL,



authorized by OSHA.

- **Over Voltage Protection (OVP):** Prevents damage to your device from excessive voltage.
- **Over Current Protection (OCP):** Safeguards against damage from excessive current.
- **Short Circuit Protection (SCP):** Protects against short circuits, preventing damage to both the adapter and the connected device.
- **Surge Protection:** Defends against sudden power surges.
- **Current Stabilizer:** Ensures a consistent and stable current output.
- **Temperature Control:** Manages internal temperature to prevent overheating.
- **Fire Retardant Materials:** Constructed with V-0 grade flame retardant materials for enhanced safety.
- **Chip Quality:** Utilizes high-quality chips for reliable performance.
- **Heat Dissipation:** Designed for efficient heat dissipation, incorporating pure copper and aluminum sheet for better and faster cooling.
- **Overcharging Prevention:** Protects batteries from being overcharged.
- **Intelligent Current Matching:** Optimizes current delivery for connected devices.
- **Over-Discharge Prevention:** Protects device batteries from deep discharge.
- **Overheating Prevention:** Additional measures to prevent the adapter from reaching unsafe temperatures.
- **Over-Output Protection:** Guards against excessive power output.
- **Low Electromagnetic Interference:** Minimizes interference with other electronic devices.

# BUILT SAFETY PROTECTIONS

Designed with Safety in mind



Surge  
protection



Current  
stabilizer



Temperature  
control



Short circuit  
prevention



Image: Visual representation of key safety features including surge protection, current stabilization, temperature control, and short circuit prevention.



Image: Icons illustrating additional charging safety features such as high chip quality, use of ABC+PC materials, fire retardant properties, and effective heat dissipation.



## Multiple protection, strict control of charging safety



Overcharging  
Prevention



Intelligent current  
matching



Overvoltage  
Protection



Overcurrent  
Protection



Over-Discharge  
Prevention



Overheating  
Prevention



Over-Output  
Protection



Low electromagnetic  
interference

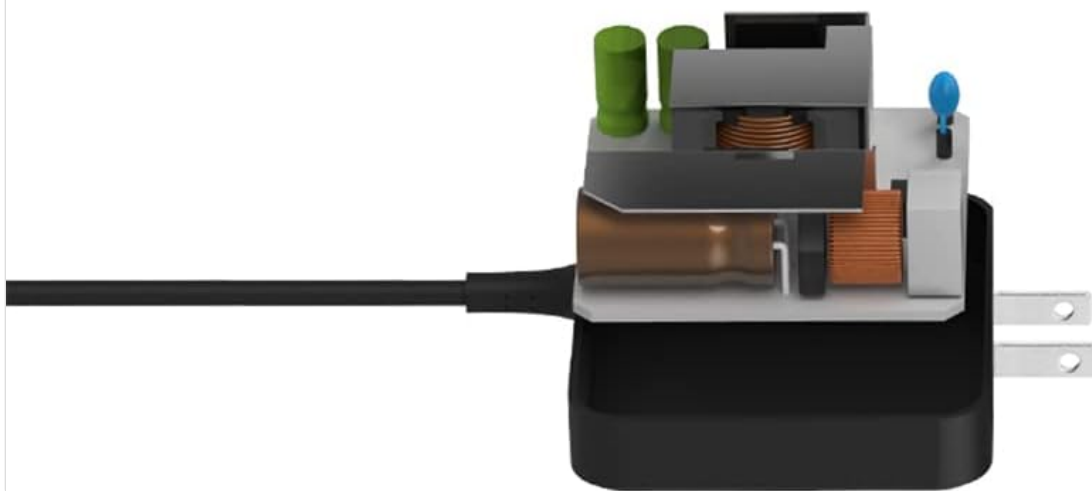


Image: An internal view of the power adapter, highlighting the components responsible for multiple protection features and strict control over charging safety.



Image: The UL Listed certification logo, indicating that the product has been tested and approved for safety standards.

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your KFD 5V Universal Power Supply, follow these simple maintenance guidelines:

- **Keep Dry:** Avoid exposing the power supply to water or excessive humidity.
- **Clean Gently:** Use a soft, dry cloth to clean the exterior of the adapter. Do not use liquid cleaners or

abrasive materials.

- **Store Properly:** When not in use, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handle Cables Carefully:** Avoid sharp bends or kinks in the power cord and connector cables to prevent internal wire damage.
- **Unplug When Not in Use:** For extended periods of non-use, it is advisable to unplug the adapter from the wall outlet.

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## 9. TROUBLESHOOTING

If you encounter issues with your KFD 5V Universal Power Supply, consider the following troubleshooting steps:

- **Device Not Charging/Powering On:**
  - Ensure the power supply is securely plugged into a working wall outlet.
  - Verify that the correct DC connector tip is selected and firmly attached to the power supply cable and inserted into your device.
  - Confirm that your device's power requirements (voltage and amperage) match the output of the KFD power supply (5V 3A).
  - Test the power supply with another compatible device, if available, to determine if the issue is with the adapter or the device.
- **Adapter Feels Warm:**
  - It is normal for power adapters to become warm during operation. However, if it feels excessively hot or emits a burning smell, immediately unplug it from the wall outlet and discontinue use.
  - Ensure adequate ventilation around the adapter; do not cover it or place it in an enclosed space.
- **Loose Connection:**
  - If the connection feels loose, try a different connector tip (if applicable and compatible) or ensure the tip is fully inserted into the device's port.

If these steps do not resolve the issue, please refer to the Warranty and Support section.

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## 10. WARRANTY AND SUPPORT

KFD stands behind the quality of its products. The KFD 5V Universal Power Supply comes with the following warranty and support:

- **Warranty:** 36 Months Warranty from the date of purchase.
- **Free Exchange:** 30 Days Free Exchange policy for eligible issues.

For warranty claims, technical assistance, or any product-related inquiries, please contact KFD customer support through the retailer where the product was purchased or visit the official KFD website for contact information.

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