

T POWER TP-ef7-TNA

T-Power 24V AC/DC Adapter User Manual

For Samsung HW-K450 and HW-K650 Series Soundbars

1. INTRODUCTION

Thank you for choosing the T-Power 24V AC/DC Adapter. This manual provides essential information for the safe and effective use of your power adapter, specifically designed for compatibility with Samsung HW-K450 and HW-K650 series soundbars. Please read these instructions carefully before use and retain them for future reference.

2. PRODUCT OVERVIEW

The T-Power AC/DC adapter is engineered to provide reliable power to your compatible Samsung soundbar. It features a wide input voltage range and incorporates multiple safety protections to ensure stable operation.

2.1 Compatibility

This adapter is compatible with the following Samsung soundbar models:

- Samsung HW-K450 Wireless Soundbar with Wireless Subwoofer
- Samsung HW-K450/ZA HWK450 HWK450ZA 2.1 Channel Home Theater Soundbar System
- Samsung HW-K650 HW-K650/EN HW-K650/ZA HW-K651 HW-K651/EN 3.1 Channel Wireless Audio Soundbar

Important: Always verify your device's model number and power requirements before connecting the adapter.

2.2 Key Features

- **Input Voltage Range:** AC 100V - 240V, suitable for global use.
- **Output:** 24V DC, specifically matched for compatible Samsung soundbars.
- **Durable Construction:** Manufactured with high-quality materials for long-lasting use and a reinforced power cord designed to withstand bending.
- **Safety Certifications:** CE/FCC/RoHS certified.



Figure 1: T-Power 24V AC/DC Adapter showing the product label with specifications.

3. SAFETY INFORMATION

Your T-Power adapter is designed with multiple safeguards to protect both the adapter and your connected device. Adhering to these safety guidelines is crucial for preventing damage and ensuring safe operation.

3.1 Integrated Safety Protections

- **Over-Current Protection (OCP):** Prevents damage from excessive current flow.
- **Over-Temperature Protection (OTP):** Safeguards against internal overheating.
- **Over-Voltage Protection (OVP):** Protects against incorrect voltage input.
- **Short Circuit Protection (SCP):** Automatically shuts down power in case of a short circuit.
- **Electrostatic Protection:** Minimizes risk from static discharge.
- **Magnetic Field Protection:** Shields against electromagnetic interference.



Over-Current
Protection



Over-Temp
Protection



Over-Voltage
Protection



Short Circuit
Protection

SUPERIOR SAFETY POWER ADAPTER



Warm Tips

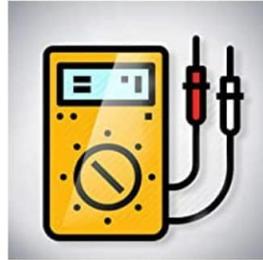
Please check our compatible Model List and Notice. Make sure the Model# or Part# match your device.

please feel free to contact us for any inquiries



Professional of Power Adapters

T-Power adapters are tested on the original device to ensure compatibility. Certified by T-power technicians 100% compatible.



Safety Features with Safety certified

Safeguards against incorrect voltage, short circuit, and internal overheating. (CE/FCC/RoHS certified)



Reinforced Power Cord

Long lasting DC cord for your convenience and charge your device.

T-Power is a globally trusted provider of premier power supplies and power supply products.



30-Day Return for Any Reason

You may return your undamaged product and packaging within 30 days of purchase to receive a FULL REFUND for any reason.



1-Year Limited Manufacturer Warranty

We will take care of all quality-related issues, **Easy Exchang** with a REPLACEMENT.*



Technical Support

Received the wrong item?
Looking for Charger for your device?
Adapter tip doesn't fit your device?
We can help, just let us know.

Figure 2: Visual representation of the T-Power adapter's superior safety protections.

3.2 General Safety Precautions

- Do not expose the adapter to water, rain, or excessive moisture.
- Avoid using the adapter in extremely hot or cold environments.
- Do not disassemble or modify the adapter.
- Ensure the adapter is plugged into a properly grounded outlet.
- Keep the adapter away from children and pets.

4. SETUP INSTRUCTIONS

Follow these steps to properly connect your T-Power AC/DC adapter to your Samsung soundbar:

1. **Verify Compatibility:** Before connecting, confirm that your Samsung soundbar model is listed as compatible and requires a 24V DC power supply.
2. **Connect to Soundbar:** Insert the DC output plug of the T-Power adapter firmly into the power input port on your Samsung soundbar.
3. **Connect to Power Outlet:** Plug the AC input end of the T-Power adapter into a standard wall power outlet (AC 100V-240V).
4. **Power On:** Once connected, power on your soundbar using its power button or remote control.



Figure 3: The T-Power AC/DC Adapter, ready for connection.

5. OPERATING INSTRUCTIONS

Once the T-Power adapter is correctly connected, your Samsung soundbar should receive power. The adapter operates automatically, converting AC wall power to the necessary DC voltage for your device.

- Ensure the adapter is placed in a well-ventilated area to prevent heat buildup.
- Avoid placing heavy objects on the adapter or its cables.
- If you notice any unusual smells, sounds, or excessive heat from the adapter, immediately disconnect it from the power outlet and your device.

6. MAINTENANCE

Proper maintenance helps extend the lifespan of your T-Power adapter:

- **Cleaning:** Disconnect the adapter from all power sources before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, store the adapter in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid tightly coiling the cable to prevent damage.
- **Cable Care:** Regularly inspect the power cord for any signs of damage, such as fraying, cuts, or kinks. Do

not use a damaged cable.

Longer Lifespan

Tested to withstand
10,000 bends



Figure 4: The T-Power adapter is built with durable materials for a longer lifespan.

7. TROUBLESHOOTING

If your soundbar is not receiving power, perform the following checks:

- **No Power:**
 - Ensure both ends of the adapter are securely plugged into the soundbar and the wall outlet.
 - Test the wall outlet with another device to confirm it is functional.
 - Verify that the soundbar's power button is pressed or the remote control is working.
- **Incorrect Voltage/Compatibility:** Double-check that your soundbar model is compatible with this 24V adapter. Using an adapter with incorrect voltage can damage your device.
- **Damaged Cable:** Inspect the adapter's cable for any visible damage. If damaged, discontinue use and replace the adapter.

If the issue persists after performing these checks, please contact customer support.

8. SPECIFICATIONS

Model Number	TP-ef7-TNA
Input Voltage	AC 100V - 240V
Output Voltage	DC 24V
Product Dimensions	4 x 4 x 2 inches
Item Weight	4 ounces
Certifications	CE/FCC/RoHS

T POWER offers a massive in stock AC/DC Power adapter selection. You get to choose a power adapter from the industry's leading manufacturers.

We offer a variety of power adapter form factors to meet the specific needs of any power adapter application. Whether you are searching a power adapter for Home, Office, School, Led Light, Printer, Wi-Fi Router, Vacuum-cleaner , any digital devices. we have the ideal power adapter solution.



Figure 5: Detailed view of the adapter's specification label.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This T-Power adapter comes with a **1-Year Limited Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Return Policy

A **30-Day Return for Any Reason** policy is offered. You may return your undamaged product within 30 days of purchase to receive a full refund or replacement.

9.3 Customer Support

For technical assistance, warranty claims, or any questions regarding your T-Power adapter, please contact the seller directly. Provide your product model number (TP-ef7-TNA) and purchase details for efficient support.