

TROND TD-PS-US12

TROND TD-PS-US12 Tower Power Bar Surge Protector User Manual

Model: TD-PS-US12

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1. PRODUCT OVERVIEW

The TROND TD-PS-US12 Tower Power Bar Surge Protector is designed to provide extensive power distribution and surge protection for multiple electronic devices. This unit features a vertical tower design, optimizing space and accessibility for various plugs and adapters.

Key Features:

- **14 AC Outlets:** Provides ample power connections for numerous devices.
- **4 USB Ports (2 USB-C, 2 USB-A):** Offers convenient charging for mobile devices, with a total output of 17W.
- **10ft Flat Plug Extension Cord:** A heavy-duty 16 AWG cord allows for flexible placement and features a 0.55-inch thin, 45-degree right-angle flat plug to fit in tight spaces.
- **2100 Joules Surge Protection:** Safeguards connected electronics from power surges and spikes.
- **Stable Base & Widely Spaced Outlets:** Prevents tipping and accommodates larger power adapters without blocking adjacent outlets.
- **Push Button Switch:** For easy power control and to prevent accidental power-off.



Figure 1: TROND TD-PS-US12 Tower Power Bar Surge Protector. This image shows the overall design of the white tower power bar with multiple outlets and USB ports.

2. SETUP INSTRUCTIONS

Follow these steps to set up your TROND Tower Power Bar Surge Protector:

1. **Unpack the Unit:** Carefully remove the power bar from its packaging and inspect it for any signs of damage. Do not use if damaged.
2. **Choose a Location:** Place the power bar on a stable, flat, and dry surface. Ensure it is away from sources of moisture, heat, and direct sunlight. Adequate ventilation around the unit is recommended.
3. **Plug into a Wall Outlet:** Insert the 10ft flat plug into a standard 3-prong grounded wall outlet. The 45-degree right-angle design of the plug allows furniture to be placed closer to the wall and keeps the lower wall outlet clear for other uses.

10 ft Extension Cord

Flexible power cord provide convenient power access wherever you need



Figure 2: The 10ft extension cord with its flat, right-angle plug connected to a wall outlet, demonstrating its low-profile design.

3. OPERATING INSTRUCTIONS

Once the power bar is plugged into a wall outlet, you can begin connecting your devices.

1. **Power On/Off:** Press the main power button located on the top of the tower to turn the unit on or off. A blue indicator light will illuminate when the power is on.
2. **Connect AC Devices:** Plug your electronic devices into any of the 14 AC outlets. The widely spaced outlets are designed to accommodate larger power adapters without obstructing adjacent ports.

3. **Connect USB Devices:** Use the 2 USB-C ports or 2 USB-A ports to charge compatible mobile devices. Ensure your device's charging cable is properly connected to the power bar and your device.

Important: Do not exceed the maximum total power rating of 1625W for AC outlets and 17W total for USB ports. Overloading the power bar can trip the circuit breaker or cause damage.

18 in 1 Power Strip Tower



14 AC



2 USB-C



2 USB-A



45° Angled



2100J



Fireproof



Figure 3: The tower power bar in use, showing various AC adapters and USB cables connected to different ports.

2 USB-C & 2 USB-A

Intelligent USB charging ports compatible
with most USB devices

5V/3.0A
Max

USB-C

5V/2.4A
Max

USB-A

5V/3.4A
17W

Total



Figure 4: A detailed view of the USB-C and USB-A charging ports on the top of the power bar, indicating their power output capabilities.

4. SAFETY INFORMATION

The TROND TD-PS-US12 Tower Power Bar is equipped with multiple safety features to protect your devices and ensure safe operation.

Integrated Safety System:

- **2100 Joules Surge Protection:** Protects against voltage spikes.

- **Overvoltage Protection:** Prevents damage from excessive voltage.
- **Overcurrent Protection:** Guards against excessive current flow.
- **Short Circuit Protection:** Automatically cuts power in case of a short circuit.
- **Over-Heat Protection:** Monitors and prevents overheating.
- **Overload Protection:** A built-in circuit breaker trips if the connected load exceeds the maximum capacity (13A / 1625W).
- **Fire Resistance Shell:** Constructed with UL94 V-0 flame-retardant material to withstand high temperatures.

General Safety Precautions:

- For indoor use only. Do not expose to moisture or use in wet environments.
- Do not disassemble or modify the unit.
- Keep out of reach of children and pets.
- Ensure the total power consumption of connected devices does not exceed 1625W.
- Do not use with aquariums or other water-related products.

7 Point Safety System



Overvoltage
Protection



Overcurrent
Protection



Short
Circuit



Over-Heat
Protection



Fire resistance
shell



Overload
Protection



2100J Surge
Protection



Figure 5: Visual representation of the 7-point safety system, highlighting various protection mechanisms.

5. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your power bar.

- **Cleaning:** Always unplug the power bar from the wall outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, unplug the unit and store it in a cool, dry place away from direct sunlight and moisture.

- **Inspection:** Periodically inspect the power cord and the unit for any signs of damage, such as frayed wires or cracks. If damage is found, discontinue use and contact support.

6. TROUBLESHOOTING

If you encounter issues with your TROND Tower Power Bar, refer to the following common problems and solutions:

- **No Power to Outlets/USB Ports:**
 - Ensure the power bar's flat plug is securely inserted into a functional wall outlet.
 - Press the main power button on the top of the unit to ensure it is in the "ON" position. The blue indicator light should be illuminated.
 - Check your home's circuit breaker panel to ensure the wall outlet circuit has not tripped.
 - If the power bar was overloaded, its internal circuit breaker might have tripped. Unplug some devices, then press the power button to reset.
- **USB Ports Not Charging Devices:**
 - Verify that the USB cables are properly connected to both the power bar and your device.
 - Try using a different USB cable or a different USB port on the power bar.
 - Ensure your device is compatible with the USB charging specifications (5V/3.0A Max for USB-C, 5V/2.4A Max for USB-A, 17W Total). Some devices may require higher power delivery.
- **Surge Protection Indicator Light is Off:**
 - If the surge protection indicator light is no longer illuminated, it signifies that the surge protection components have absorbed a significant power surge and may no longer be providing protection. The AC outlets may still function, but without surge protection. It is recommended to replace the unit to ensure continued protection for your electronics.

7. PRODUCT SPECIFICATIONS

Model Number	TD-PS-US12
Product Dimensions	13.11 x 11.51 x 14.4 cm
Weight	900 g
Input Voltage	100V~250V
Total AC Outlets	14
Total USB Ports	4 (2 USB-C, 2 USB-A)
USB-C Output	5V/3.0A Max
USB-A Output	5V/2.4A Max
Total USB Output	17W
Maximum Current	13 Amps
Maximum Power	1625 Watts
Surge Protection Rating	2100 Joules

Cord Length	10 feet (3.05 meters)
Plug Type	Type B - 3 pin (North American), 45° Right Angle Flat Plug
Material	Copper, Plastic (UL94 V-0 Flame-Retardant)
Recommended Use	Indoor, home, office, dorm room

8. WARRANTY AND SUPPORT

TROND products are designed and manufactured to high-quality standards. For information regarding product warranty, returns, or technical support, please refer to the official TROND website or contact TROND customer service directly. You can find more information and contact details by visiting the [TROND Official Store on Amazon](#).