

## Taidacent 1500085031

# Taidacent Wireless Quick Charger Transmitter Module (Model 1500085031) User Manual

## 1. INTRODUCTION

This document provides detailed instructions for the Taidacent Wireless Quick Charger Transmitter Module, Model 1500085031. This module is designed to enable wireless charging capabilities in various applications, adhering to the Qi wireless charging standard. It is an ultra-thin, fast wireless charger transmitter module intended for integration into custom projects or devices.

## 2. PRODUCT FEATURES

- **Input Power:** 5V 2A or 9V 1.6-2A
- **Output Power:** 5V 1A or 9V 1.2A
- **Charging Power:** 5W/7.5W/10W automatic identification
- **Transmission Distance:** 2-8mm
- **Standard Compliance:** Qi wireless charging standard
- **Product Certification:** CE/FCC/RoHS
- **Special Feature:** Charging Indicator

## 3. SAFETY INFORMATION

Please read and understand the following safety guidelines before handling or integrating the module:

- This product is a bare circuit board module and should be handled with care to avoid damage to components.
- Ensure proper insulation and enclosure if integrating into a device to prevent short circuits or electrical hazards.
- Use only power adapters that meet the specified input requirements (5V 2A or 9V 1.6-2A). Using an incorrect power supply may damage the module or connected devices.

- Avoid exposing the module to moisture, extreme temperatures, or corrosive environments.
- Do not attempt to modify or disassemble the module beyond its intended use.
- Keep out of reach of children.

## 4. SETUP INSTRUCTIONS

The Taidacent Wireless Quick Charger Transmitter Module is designed for integration. Follow these steps for initial setup:

1. **Prepare Power Supply:** Obtain a compatible power adapter (not included) that provides either 5V at 2A or 9V at 1.6-2A. The module features a USB Type C connector for power input.
2. **Connect Power:** Connect the power adapter to the module's USB Type C input port.
3. **Integration (Optional):** If integrating into a custom enclosure or surface, ensure adequate ventilation and maintain the specified transmission distance (2-8mm) between the charging coil and the receiving device. The module's ultra-thin design (2.5mm) facilitates discreet integration.
4. **Placement:** Position the module in the desired location where a Qi-compatible device will be placed for charging. Ensure the charging coil is unobstructed.

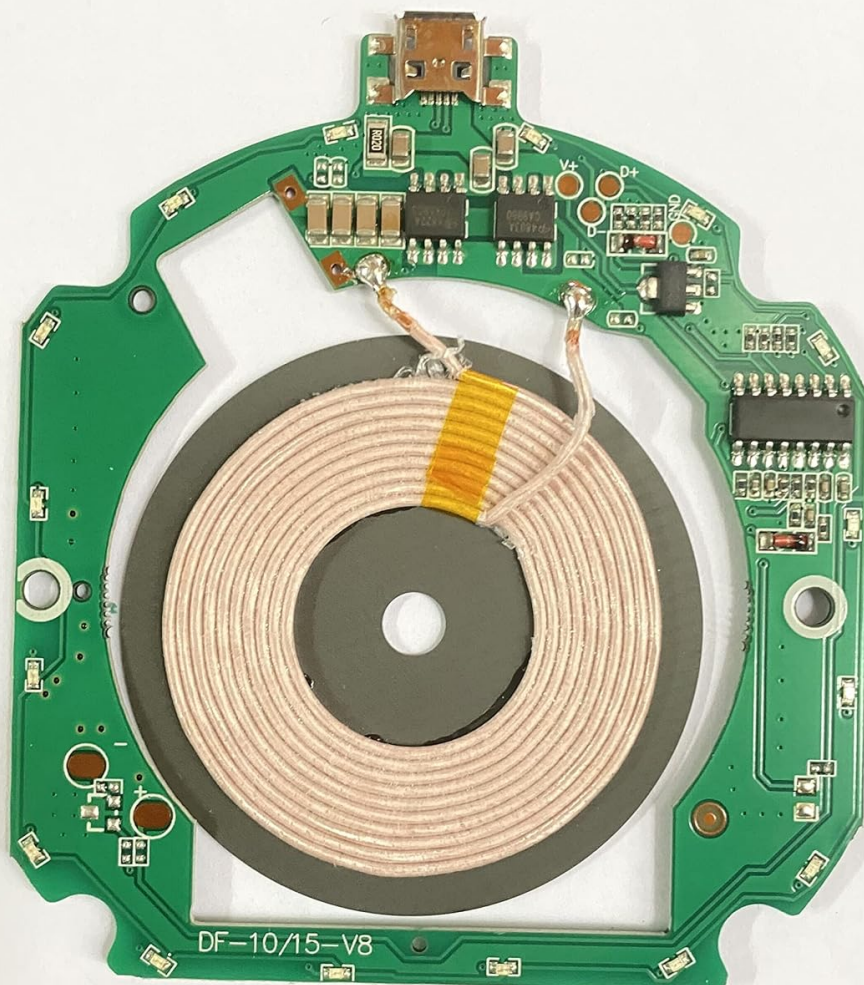


Figure 1: Front view of the Taidacent Wireless Charger Transmitter Module, showing the charging coil and integrated circuits.

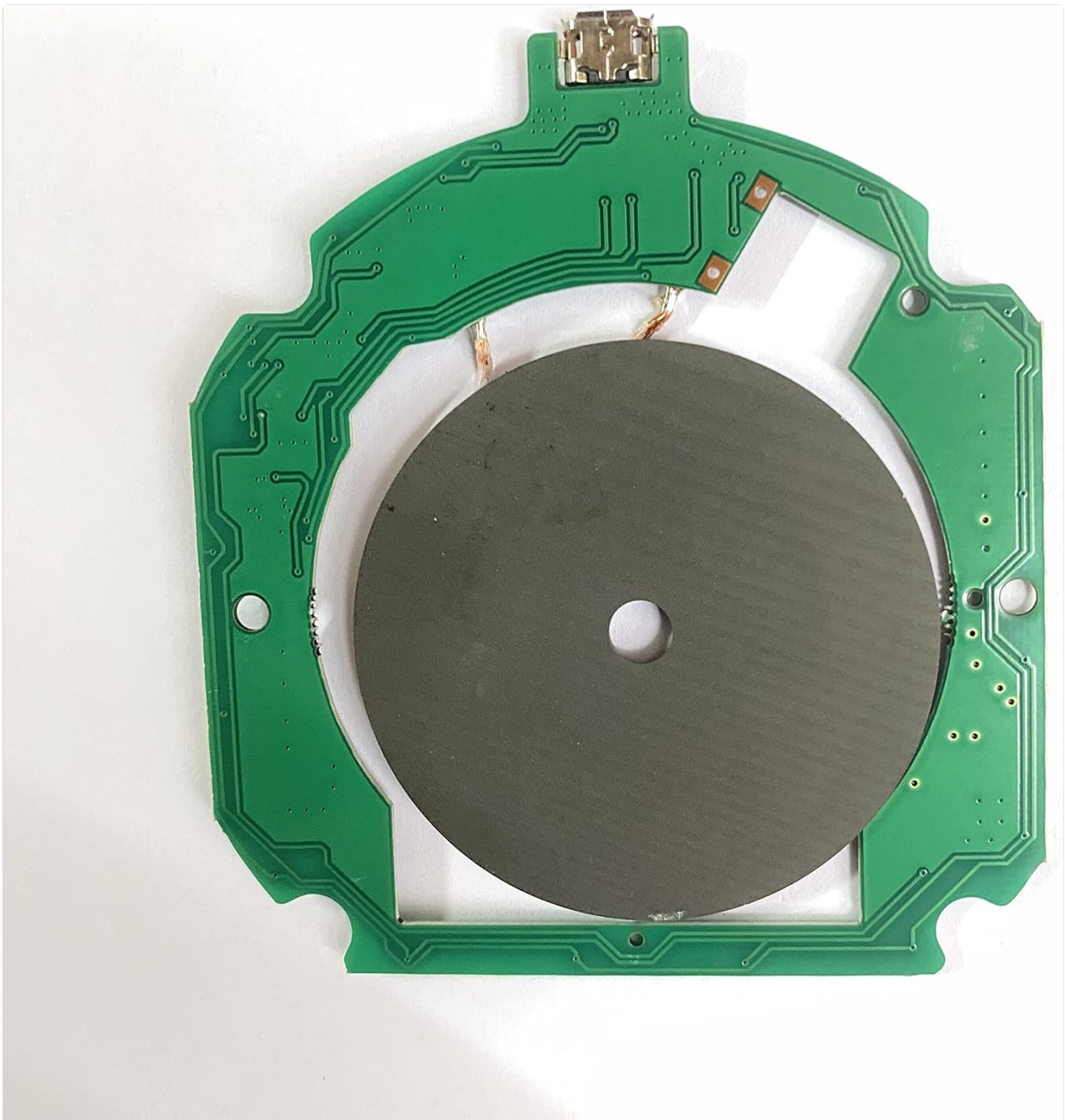


Figure 2: Rear view of the Taidacent Wireless Charger Transmitter Module, displaying the circuit board layout.



Figure 3: Side profile of the Taidacent Wireless Charger Transmitter Module, illustrating its ultra-thin 2.5mm design.

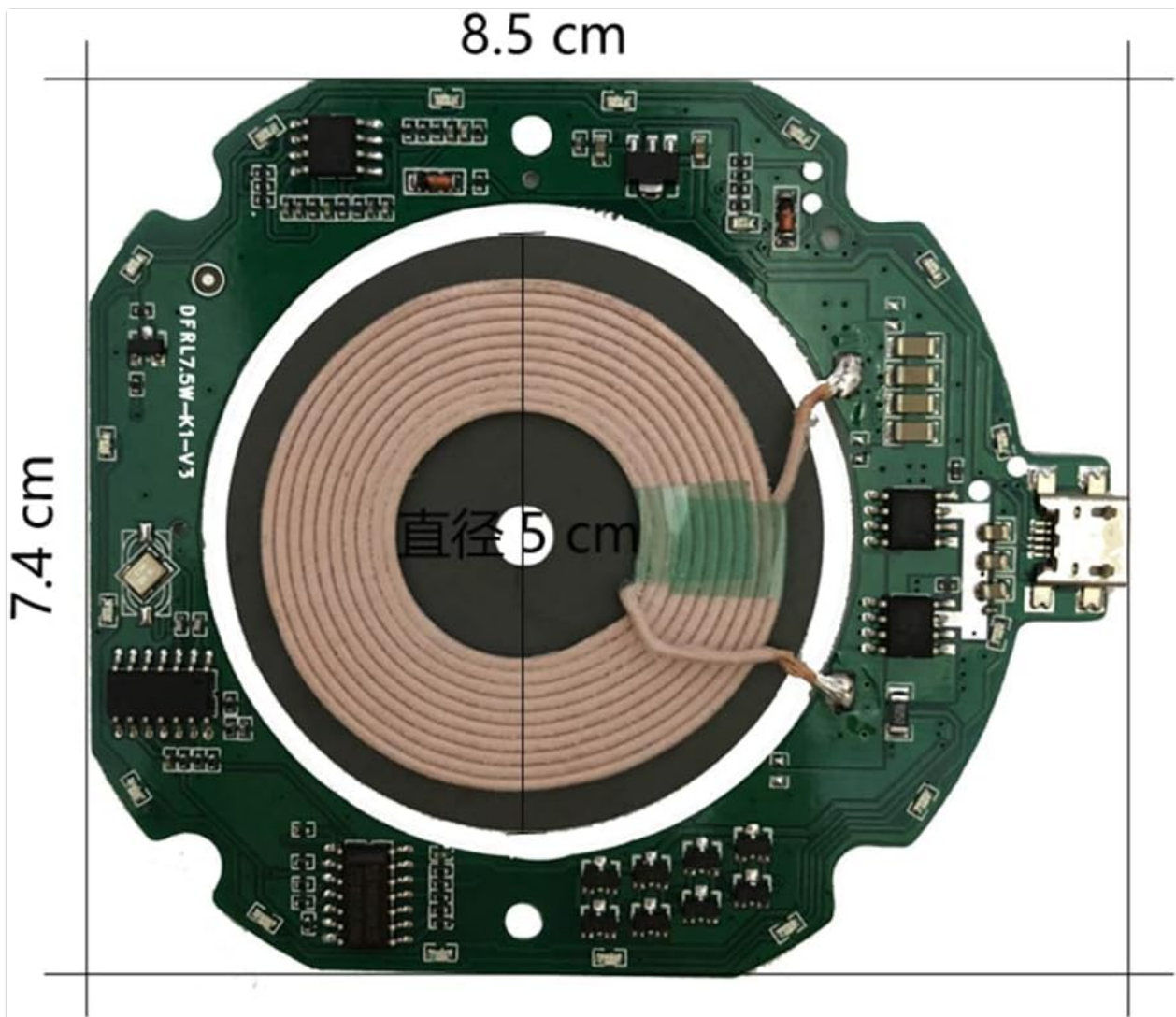


Figure 4: Top-down view of the Taidacent Wireless Charger Transmitter Module with key dimensions: 8.5 cm width, 7.4 cm length, and a 5 cm diameter charging coil.

## 5. OPERATING INSTRUCTIONS

Once the module is powered and positioned, operating it is straightforward:

1. **Place Device:** Place your Qi-compatible smartphone or other device directly onto the surface above the module's charging coil.
2. **Verify Charging:** The module features a charging indicator (typically an LED) that will illuminate or change color to confirm that charging has begun. Your device's screen should also indicate that it is charging wirelessly.
3. **Optimal Placement:** For best performance, ensure the center of your device's wireless charging receiver aligns with the center of the module's charging coil. Slight adjustments may be necessary to find the optimal charging position.



Figure 5: Illustration of two smartphones wirelessly charging on a compatible surface, demonstrating the module's function.

## 6. SPECIFICATIONS

| Feature               | Detail                                        |
|-----------------------|-----------------------------------------------|
| Model Number          | 1500085031                                    |
| Input Power           | 5V 2A or 9V 1.6-2A                            |
| Output Power          | 5V 1A or 9V 1.2A                              |
| Charging Power        | 5W/7.5W/10W (automatic identification)        |
| Transmission Distance | 2-8mm                                         |
| Wireless Standard     | Qi wireless charging standard                 |
| Certifications        | CE/FCC/RoHS                                   |
| Connector Type        | USB Type C (Input)                            |
| Special Feature       | Charging Indicator                            |
| Item Weight           | 1.23 ounces (approx. 35 grams)                |
| Dimensions            | Approx. 8.5 cm x 7.4 cm x 0.25 cm (thickness) |

## 7. TROUBLESHOOTING

If you encounter issues with the module, refer to the following common problems and solutions:

- **Device not charging:**

- Ensure the power adapter is correctly connected and providing sufficient power (5V 2A or 9V 1.6-2A).
- Verify that your device is Qi-compatible.
- Adjust the placement of your device on the module to ensure proper alignment with the charging coil.
- Check for any metallic objects between the device and the module, which can interfere with charging.
- Ensure the transmission distance is within 2-8mm. Thick cases on your device might exceed this limit.

- **Slow charging:**

- Confirm your power adapter supports quick charge (9V output) if your device supports fast wireless charging.
- Ensure optimal alignment between the device and the module.
- Close unnecessary background applications on your device.

- **Charging indicator not working:**

- Check the power connection.
- If the module is integrated, ensure the indicator light is not obstructed.

## 8. MAINTENANCE

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To ensure the longevity and optimal performance of your Taidacent Wireless Quick Charger Transmitter Module:

- Keep the module clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the module to liquids or excessive humidity.
- Store the module in a cool, dry place when not in use.
- Handle the bare PCB carefully to prevent damage to sensitive electronic components.

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support regarding your Taidacent Wireless Quick Charger Transmitter Module, please refer to the retailer or manufacturer's official website where the product was purchased. Keep your purchase receipt as proof of purchase.