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› TASUMATO Wireless Charging Adapter Receiver User Manual

TASUMATO MU-A014

TASUMATO Wireless Charging Adapter Receiver

Model: MU-A014

1. PRODUCT OVERVIEW

The TASUMATO Wireless Charging Adapter Receiver is designed to enable wireless charging capabilities for a wide range of Android smartphones equipped with a Micro USB port. This compact and ultra-slim module integrates seamlessly with your device, allowing you to charge wirelessly using any Qi-compatible charging pad.



Figure 1: TASUMATO Wireless Charging Receiver. This image displays the TASUMATO Wireless Charging Receiver, highlighting its main components: the inductive charging coil and the Micro USB connector designed for Android smartphones.

2. KEY FEATURES

- **Universal Compatibility:** Designed for Android smartphones with a Micro USB charging port.
- **Upgraded Copper Coil:** Features a C14500 upgraded copper coil with longitudinal double line voltage for stable and faster charging.
- **Microwave Absorbing Materials:** Incorporates materials that absorb electromagnetic wave energy, enhancing safety.
- **Smart Chip Technology:** Utilizes a Texas Instruments QC13B-0901 smart chip for low impedance, full synchronous rectification, low voltage differential stabilizer, digital control, and precise voltage and current

control, ensuring high efficiency and low energy consumption.

- **Unique Trapezoid Design:** Protects the connecting cable from stress and detachment from the main coil.
- **Durable Construction:** Features a full metal plug, PET cable protection, and a strong FPC (Flexible Printed Circuit) cable for enhanced longevity.
- **Ultra-Slim Design:** With a thickness of only 0.03 inches, it adds minimal bulk to your device.

C14500 UPGRADED COPPER COIL

Upgraded copper coil with longitudinal double line voltage can provide more stable and faster charge.

MICROWAVE ABSORBING MATERIALS

It can absorb the electromagnetic wave energy which is projected to its surface. It has high absorption rate, light weight, temperature resistance, humidity resistance, corrosion resistance, and radiation resistant, greener and safer.



TEXAS INSTRUMENTS QC13B-0901

We use TI's Qi compatible smart chip, which integrates low impedance, full synchronous rectifier, low voltage differential stabilizer, digital control and precise voltage and current control, ensured the high efficiency and low energy consumption of wireless charging

Upgraded copper coil with longitudinal double line



Ours Others

Upgraded copper coil with longitudinal double line

Figure 2: Internal Components and Smart Chip. An internal view of the receiver, detailing the C14500 upgraded copper coil for stable and faster charging, and microwave absorbing materials for safety. It also highlights the integrated Texas Instruments QC13B-0901 smart chip, which ensures high efficiency and low energy consumption.

2019 Upgrade

Metal Plug and Strong Cable

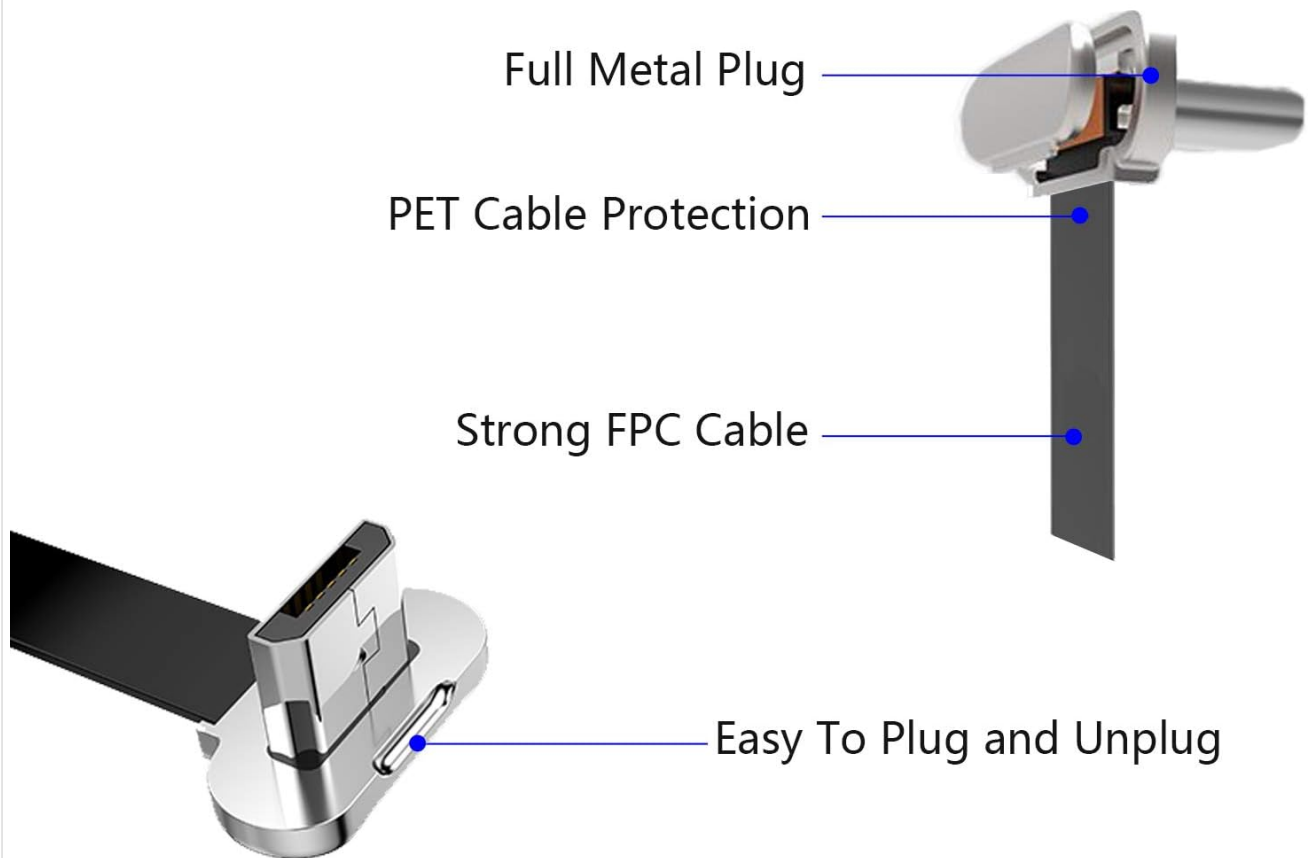


Figure 3: Upgraded Plug and Cable. A detailed view of the receiver's upgraded components, including a full metal plug, PET cable protection, and a strong FPC (Flexible Printed Circuit) cable, designed for durability and ease of connection.

3. COMPATIBILITY

This wireless charging receiver is specifically designed for Android smartphones that utilize a Micro USB charging port. It is compatible with various models, including but not limited to:

- LG G4, Stylo 2, Stylo 3, G3, G2, V10, K7, Q6, K20
- Samsung Galaxy S4, S3, J7 Pro, A12, A11, A10, Note 4
- Moto G5 Plus, G5S, E5, E4

Important: Ensure your device has a Micro USB port. This receiver is not compatible with USB-C ports.

Choose the Right Port

Check The Interface Below With Your Phone And Original Charging Cable Before Order

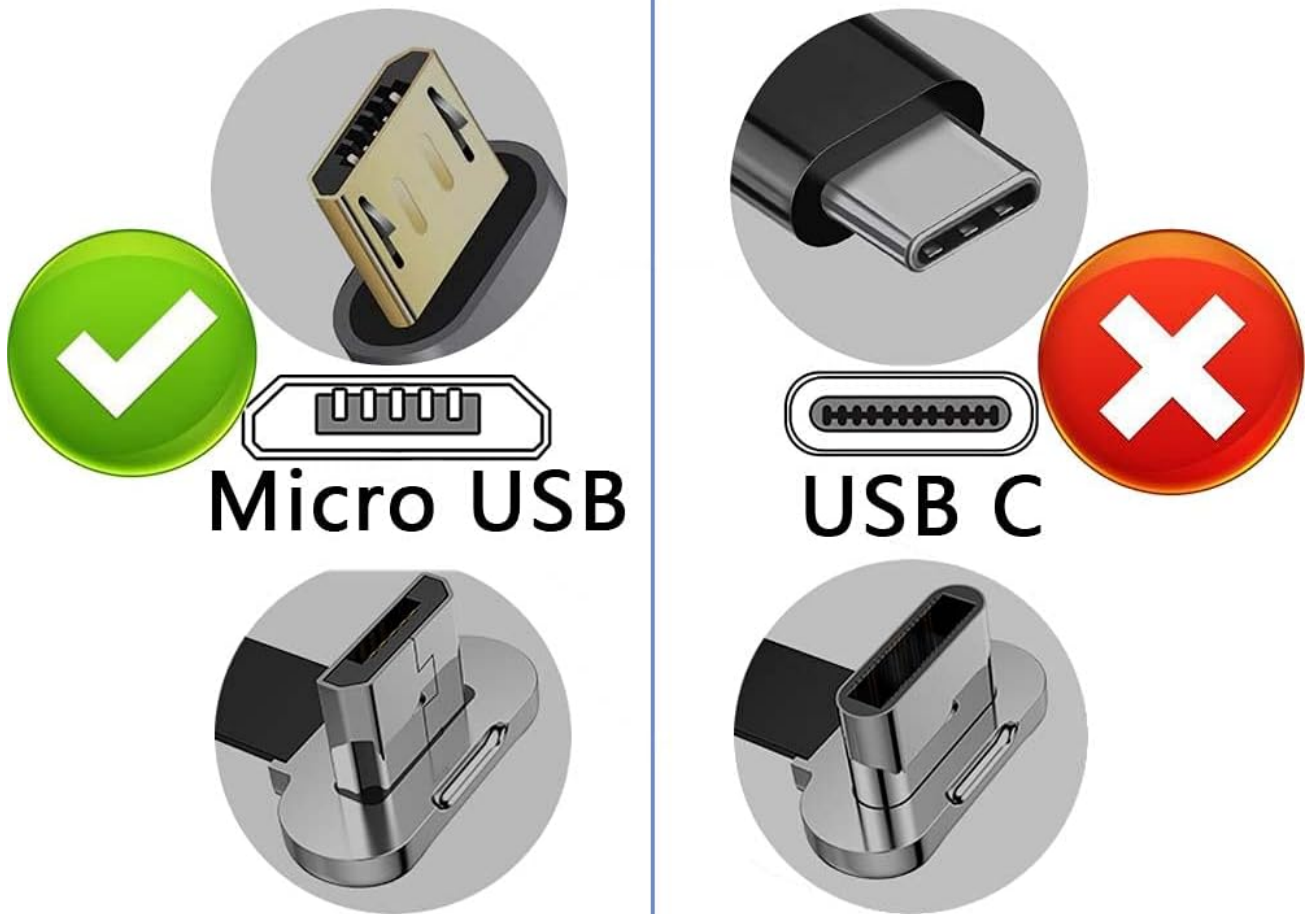


Figure 4: Port Compatibility Guide. This diagram illustrates the importance of selecting the correct charging port. The receiver is compatible with Micro USB ports, indicated by a green checkmark, and is not compatible with USB-C ports, indicated by a red cross.

4. SETUP AND INSTALLATION

Follow these steps to install the wireless charging receiver on your smartphone:

1. **Identify Your Phone's Charging Port:** Locate the Micro USB charging port on your smartphone. Ensure it is clean and free of debris.
2. **Connect the Receiver:** Carefully insert the Micro USB plug of the receiver into your phone's charging port. Ensure it is fully seated.
3. **Position the Receiver:** Gently fold the receiver module onto the back of your phone. The coil should be centered as much as possible.
4. **Secure the Receiver:** Peel off the protective film from the adhesive backing on the receiver. Press the receiver firmly onto the back of your phone to secure it in place.
5. **Install Phone Case (Optional):** If you use a phone case, you can now place it back on your phone. The ultra-

slim design of the receiver allows it to fit under most standard phone cases.



Figure 5: Connecting the Receiver. A hand is shown connecting the Micro USB plug of the wireless charging receiver into the charging port of a smartphone, demonstrating the initial step of installation.



Figure 6: Securing the Receiver. This image shows a user peeling off the protective film from the adhesive backing of the wireless charging receiver, preparing it to be securely attached to the back of a smartphone.

5. OPERATING INSTRUCTIONS

Once the wireless charging receiver is installed, you can begin wireless charging:

1. **Prepare Your Wireless Charger:** Ensure you have a Qi-compatible wireless charging pad or stand. Connect

it to a power source as per its own instructions.

2. **Place Your Phone:** Place your smartphone, with the receiver installed, directly onto the wireless charging pad. Ensure the receiver's coil aligns with the charging area of the pad.
3. **Verify Charging:** Your phone should indicate that it is charging (e.g., a charging icon on the screen, a notification). If charging does not begin, slightly adjust the position of your phone on the pad until it does.



Figure 7: Wireless Charging in Progress. A smartphone, with the wireless charging receiver installed, is placed on a wireless charging pad, illustrating the device in operation and receiving a charge.

6. MAINTENANCE

To ensure the longevity and optimal performance of your TASUMATO Wireless Charging Adapter Receiver, follow these maintenance guidelines:

- **Keep Dry:** Avoid exposing the receiver to water or excessive moisture.
- **Clean Gently:** If cleaning is necessary, use a soft, dry cloth. Do not use harsh chemicals or abrasive materials.
- **Avoid Bending:** Do not excessively bend or twist the receiver, especially the cable connecting the plug to the coil, to prevent internal damage.
- **Protect from Extreme Temperatures:** Store and use the receiver in environments with moderate temperatures. Extreme heat or cold can affect its performance and lifespan.
- **Handle with Care:** While durable, avoid dropping the receiver or subjecting it to strong impacts.

7. TROUBLESHOOTING

If you encounter issues with your wireless charging receiver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Phone not charging wirelessly.	Incorrect alignment on charging pad.	Adjust the phone's position on the charging pad to ensure the receiver coil is centered over the pad's charging area.
Phone not charging wirelessly.	Phone case is too thick.	Remove the phone case and try charging again. If it charges, consider using a thinner case or removing the case during charging.
Charging is slow or intermittent.	Weak power source for the charging pad.	Ensure your wireless charging pad is connected to a stable and sufficient power source (e.g., a wall adapter with adequate wattage).
Charging is slow or intermittent.	Background apps consuming power.	Close unnecessary background applications on your phone to reduce power consumption during charging.
Receiver does not fit into phone port.	Incorrect port type (e.g., USB-C instead of Micro USB).	Verify your phone has a Micro USB port. This receiver is not compatible with USB-C.
Receiver seems damaged or stopped working.	Physical damage or internal component failure.	Inspect the receiver for visible damage. If damaged or if troubleshooting steps do not resolve the issue, contact customer support.

8. SAFETY INFORMATION

The TASUMATO Wireless Charging Adapter Receiver is designed with multiple protection features to ensure safe operation:

- **Overheat Protection:** Prevents the receiver from reaching excessively high temperatures during charging.
- **Short Circuit Protection:** Safeguards against electrical short circuits.
- **Overcharge Protection:** Protects your device from being overcharged, which can extend battery life.
- **Overvoltage Protection:** Regulates the input voltage to prevent damage from voltage spikes.
- **Overcurrent Protection:** Controls the current flow to prevent damage from excessive current.

Always use the receiver with compatible and certified wireless charging pads. Do not attempt to disassemble or modify the receiver.

Over Heat Protection



Short Circuit Protection



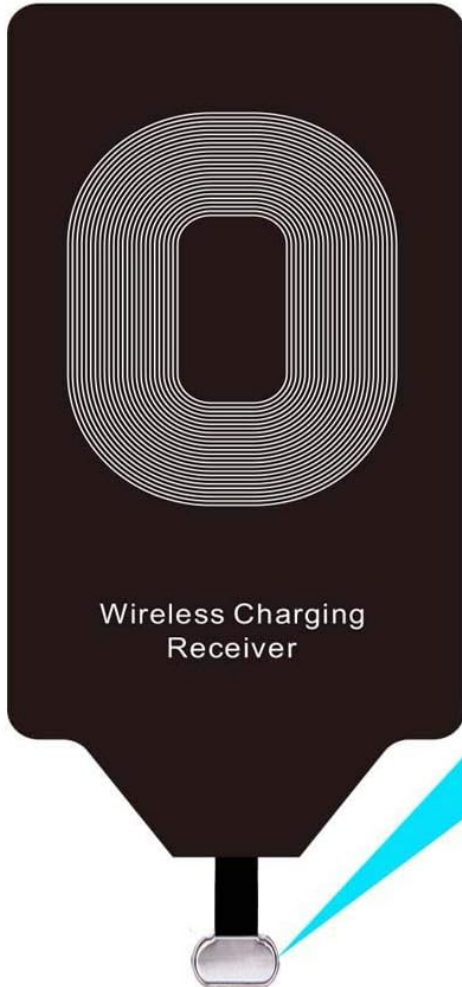
Over Charge Protection



Over Voltage Protection



Over Current Protection



Unique Trapezoid Design



protect the connecting cable from taking off the main coil

Figure 8: Built-in Safety Protections. This image shows the unique trapezoid design of the receiver, engineered to protect the connecting cable. It also displays icons representing various safety features: Overheat Protection, Short Circuit Protection, Overcharge Protection, Overvoltage Protection, and Overcurrent Protection.

9. SPECIFICATIONS

Feature	Detail
Model Number	MU-A014
Product Dimensions	4.72 x 2.36 x 0.39 inches
Item Weight	1.58 ounces
Input Voltage	5 Volts

Feature	Detail
Amperage	1000 Milliamps (1A)
Wattage	10 watts
Connector Type	Micro USB Type A
Special Feature	Lightweight Design, Universal Wireless Card
Included Components	Regular Micro USB Charging Receiver Adapter, User Instruction



Figure 9: Ultra-Slim Design and Dimensions. This image provides the precise dimensions of the ultra-slim wireless charging receiver:

4.72 inches (length) x 2.36 inches (width) x 0.03 inches (thickness), highlighting its compact and thin profile.

10. WARRANTY AND SUPPORT

For product support, warranty information, or any inquiries regarding your TASUMATO Wireless Charging Adapter Receiver, please contact TASUMATO customer service. Refer to the packaging or the official TASUMATO website for the most current contact details.

You can also visit the official TASUMATO store on Amazon for more information and product updates: [TASUMATO Store](#)