

RuenTech 2.54mm Pin Spacing Charger

RuenTech Smart Watch Charger (2.54mm Pin Spacing) - Instruction Manual

Model: 2.54mm Pin Spacing Charger

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1. PRODUCT OVERVIEW

The RuenTech Smart Watch Charger is designed to provide efficient and reliable charging for compatible smartwatches. This 2-pack includes two charging cables with opposite electrical polarities to ensure compatibility with a wide range of devices that use the Veryfit or Da Fit applications and have a 2.54mm pin spacing.

Key Features:

- **Dual Polarity Design:** Includes one black charger (N+ -S polarity) and one white charger (N- +S polarity) to match various smartwatch requirements. Note: Only one charger will typically work for your specific device due to reversed polarity.
- **Universal Compatibility:** Specifically designed for smartwatches using "Veryfit" or "Da Fit" apps with a 2.54mm charging contact pin spacing. Users should measure their watch's pin spacing before purchase.
- **Fast Charging:** Supports efficient charging via standard USB power sources such as PCs, laptops, and wall adapters, ensuring a quick and stable charging experience.
- **Secure Circuit Protection:** Integrated Voltage Regulator (PTC) protects your smartwatch from overcurrent damage, extending its lifespan.
- **Portable Design:** Compact and lightweight, making it ideal for travel, office, gym, or as a convenient spare charger.

2. SETUP INSTRUCTIONS

2.1 Verifying Compatibility

Before using the charger, it is crucial to verify its compatibility with your smartwatch. This charger is designed for smartwatches that utilize the "Veryfit" or "Da Fit" applications and have a **2.54mm pin spacing** between the two charging contacts.

1. **Measure Pin Spacing:** Carefully measure the distance between the centers of the two charging pins on the back of your smartwatch. Ensure it is approximately 2.54mm.
2. **Check App Compatibility:** Confirm that your smartwatch uses either the "Veryfit" or "Da Fit" companion application.



Figure 2.1: Smartwatch charging pin spacing measurement (Note: Image shows 2.84mm, but product is 2.54mm compatible. Please verify your watch's specific spacing).

Important Note: The product includes two chargers with opposite electrical polarities (Black: N+ -S, White: N- +S). Due to this, typically only one of the two provided cables will work with your specific smartwatch. Test both cables to determine which one is compatible.

Only one of the charger in the pack will fit your device.

The two chargers have opposit electrical polarity.

White



Black



Compatible for smartwatch which have "Veryfit" app ([White](#)) or "Dafit" app([Black](#))

!!!NOTE: 1. Don't for all smartwatch, fits most models only

2. Due to the reversed charging polarity, usually only one charging cable will work!

Figure 2.2: Dual polarity chargers (Black and White) with labeled magnetic poles.

2.2 Connecting the Charger

1. **Power Source:** Plug the USB-A end of the charging cable into a compatible USB power source. This can be a computer's USB port, a laptop, a wall adapter (5V/1A recommended), a car charger, or a power bank.
2. **Smartwatch Connection:** Align the magnetic charging pins of the cable with the charging contacts on the back of your smartwatch. The magnetic connection will automatically secure the charger in place.
3. **Verify Connection:** Ensure the smartwatch displays a charging indicator (e.g., battery icon with lightning bolt, charging animation) to confirm a successful connection.

Convenient to Charge

Plug the USB port to any USB-enabled devices

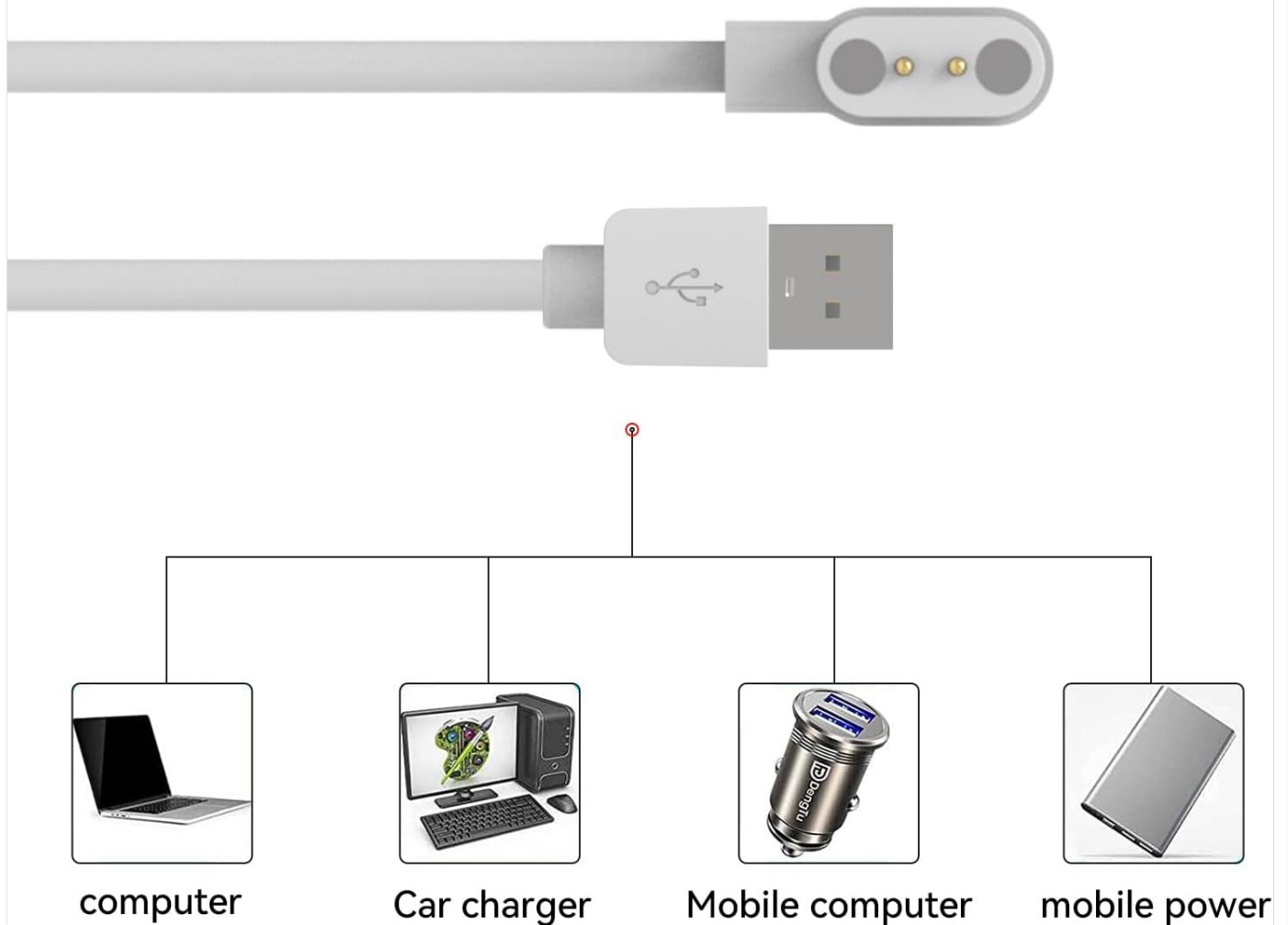


Figure 2.3: Connecting the charger to a smartwatch and a USB power source.

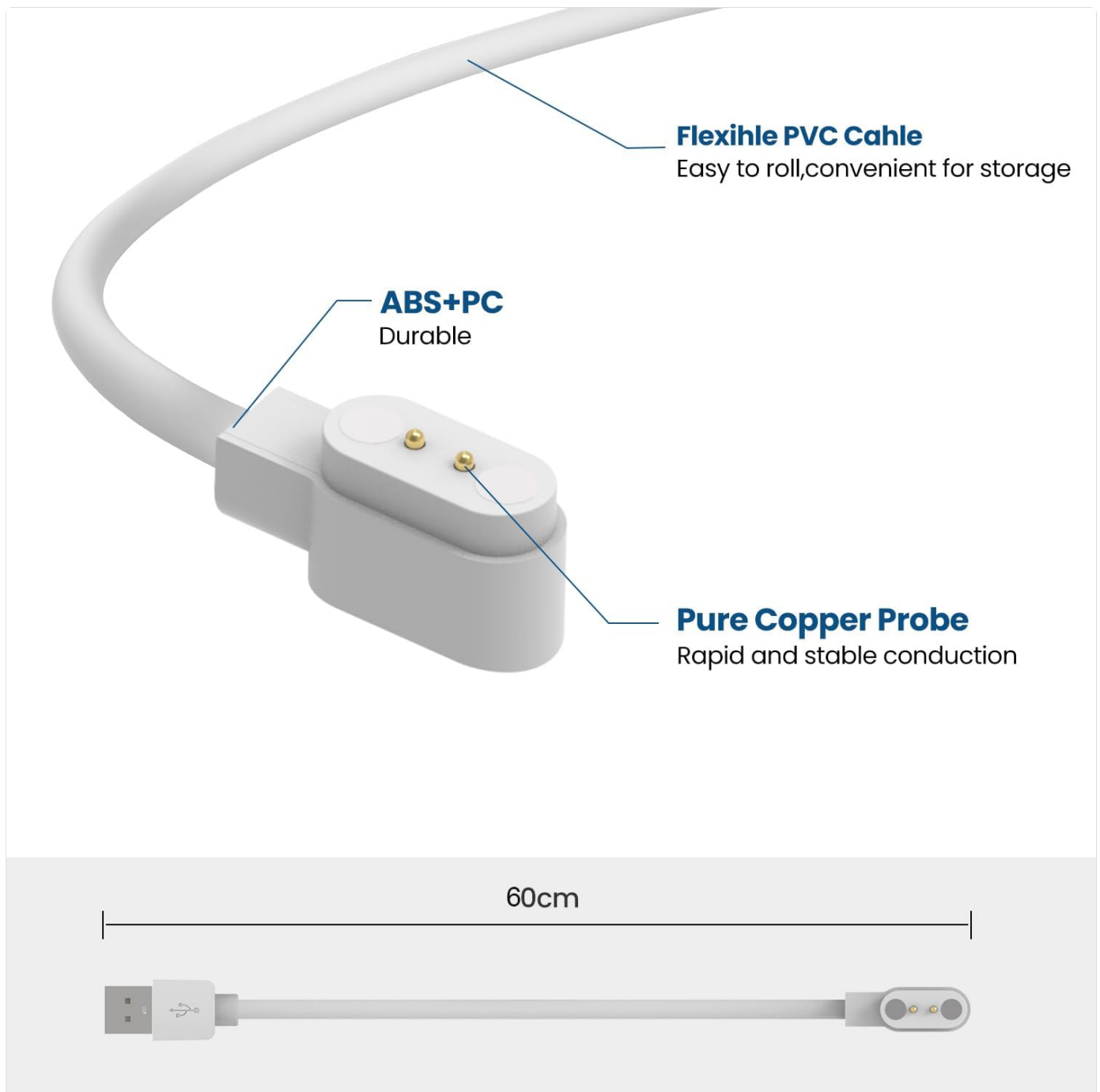


Figure 2.4: Compatible USB power sources for charging.

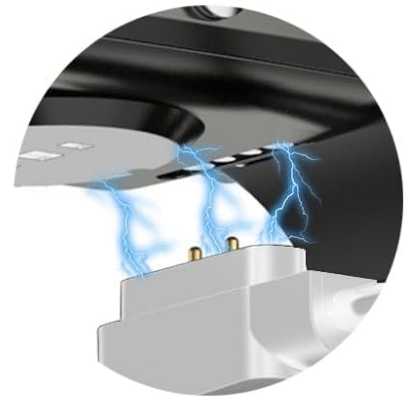
3. OPERATING THE CHARGER

The RuenTech Smart Watch Charger is designed for simple plug-and-play operation. Once connected to a power source and your smartwatch, it will begin charging automatically.

3.1 Charging Process

- The magnetic connection ensures proper alignment and a stable charge.
- Charging time typically ranges from 2 to 3 hours for a full charge when using a 1A output current.
- The smartwatch display will indicate charging status.

MAGNETIC FAST CHARGING



2~3 hours

2~3 hours for full charge
with 1A output current

Figure 3.1: Magnetic fast charging in progress.

3.2 Safety Features

The charger incorporates a Voltage Regulator (PTC) to prevent overcurrent, overvoltage, and short-circuiting, safeguarding your device during charging.

Safe and Reliable

Built in charging safety protection system



Figure 3.2: Built-in charging safety protection system.

4. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your RuenTech Smart Watch Charger, follow these simple care and maintenance guidelines:

- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures. The flexible PVC cable is designed for easy coiling and storage.
- **Cleaning:** Gently wipe the charging pins and cable with a soft, dry cloth to remove any dust or debris. Avoid using liquid cleaners or abrasive materials.
- **Handling:** Avoid excessive bending or tugging on the cable, especially near the connectors, to prevent internal wire damage. The cable is tested for over 5000 bends.

- **Inspection:** Periodically inspect the cable and connectors for any signs of wear, damage, or corrosion. Discontinue use if any damage is observed.



Figure 4.1: Charger construction details for durability.

5. TROUBLESHOOTING

If you encounter issues with your RuenTech Smart Watch Charger, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Smartwatch not charging.	Incorrect polarity charger used.	Try the other charger cable provided in the 2-pack. Due to opposite polarities, only one will work for your device.
Smartwatch not charging.	Charging pins not aligned or dirty.	Ensure the magnetic pins are clean and properly aligned with the smartwatch's charging contacts. Re-attach the charger.
Smartwatch not charging.	Faulty USB power source.	Try plugging the USB-A end into a different USB port or wall adapter to rule out a faulty power source.
Slow charging.	Low power output from USB source.	Use a USB power source with a 1A output current for optimal charging speed. Avoid using low-power USB ports.
Charger not staying connected.	Weak magnetic connection or debris.	Clean the magnetic surfaces on both the charger and the smartwatch. Ensure no foreign objects are interfering with the magnetic connection.

6. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	RuenTech
Model Compatibility	Smartwatches with "Veryfit" or "Da Fit" App, 2.54mm pin spacing
Connector Type	USB Type A
Cable Length	60cm (approximately 23.6 inches)
Input Voltage	5 Volts
Wattage	5 watts
Number of Items	2 (Black & White, opposite polarity)
Special Feature	Lightweight Design, Voltage Regulator (PTC) for overcurrent protection
Materials	ABS+PC (Durable), Flexible PVC Cable, Pure Copper Probe

7. PRODUCT VIDEOS

7.1 Compatible with Da Fit Smart Watch Charger, Replacement USB

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Video 7.1: Demonstrates the compatibility and features of the Da Fit Smart Watch Charger. This video highlights the ease of use and magnetic connection for efficient charging.

7.2 1Pcs Black Compatible

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Video 7.2: A short demonstration of the black charger's functionality and connection to a smartwatch.

7.3 Black Compatible with Da Fit Smart Watch Charger

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Video 7.3: Illustrates the black charger's compatibility with Da Fit smartwatches, showcasing its magnetic attachment and charging process.

7.4 Black Compatible with Da Fit Smart Watch Charger

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Video 7.4: Another demonstration of the black charger's use with Da Fit smartwatches, emphasizing its reliable connection.

7.5 4 Pcs Black Chargers Smartwatch Accessories

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Video 7.5: Overview of a 4-piece set of black smartwatch chargers, showcasing their design and utility.

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For further assistance, please refer to the product listing on Amazon or contact RuenTech customer support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question