RENAISSER Raphael 520C

RENAISSER Raphael 520C Stylus Pen User Manual

Comprehensive guide for setting up, operating, and maintaining your RENAISSER Raphael 520C Stylus Pen.

1. INTRODUCTION

The RENAISSER Raphael 520C is a high-precision stylus pen designed for Microsoft Surface devices and other compatible touchscreens. It offers an exceptional writing and drawing experience with advanced features like 4096 levels of pressure sensitivity, tilt support, and palm rejection. Its durable aluminum body and efficient USB-C charging make it an ideal tool for professionals and creatives alike.

Figure 1: RENAISSER Raphael 520C Stylus Pen.

This manual provides detailed instructions to help you get the most out of your Raphael 520C stylus, from initial setup to advanced usage and troubleshooting.

2. PACKAGE CONTENTS

Upon opening your RENAISSER Raphael 520C package, please ensure all components are present:

- RENAISSER Raphael 520C Stylus Pen (1)
- Replacement Stylus Tips (2) - *Includes HB-type and 2H-type for varied writing feel.*
- User Manual (this document)

Charging Port Won't be Blocked

Charging port on the round side won't be blocked when attaching to Surface Pro.

Raphael 520C
Charging port is availabie when attaching

Others
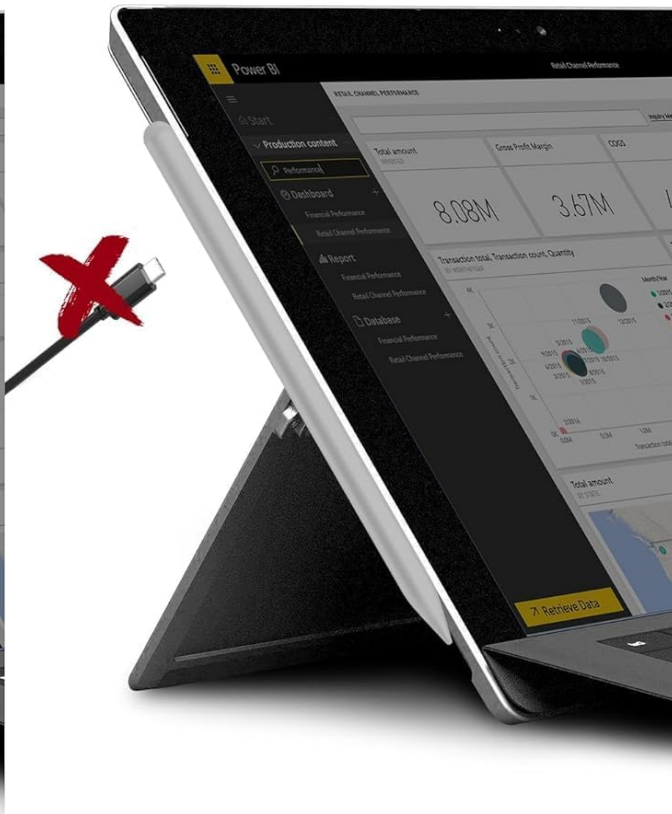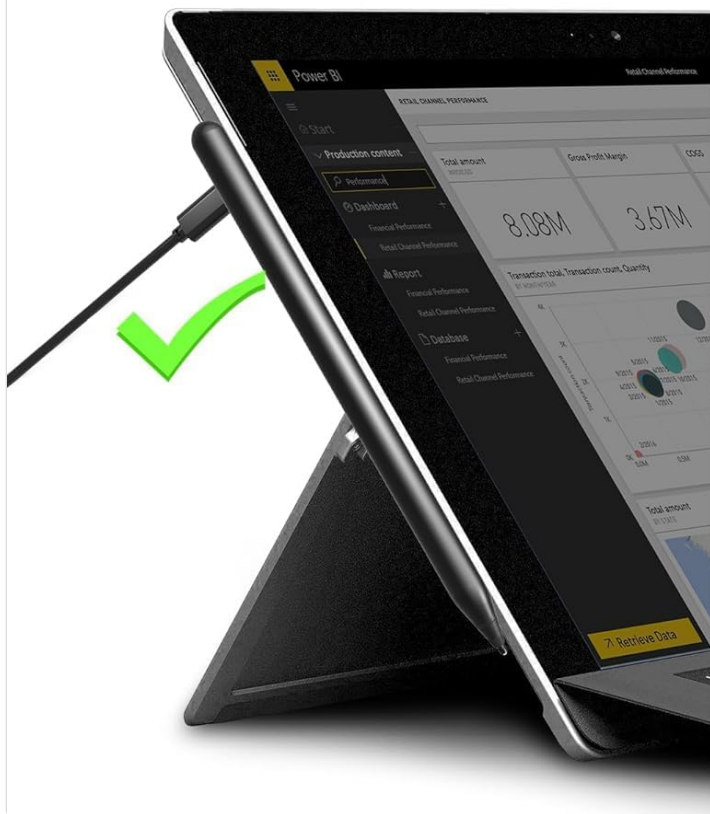Charging port is NOT availabie when attaching

Figure 2: Contents of the Raphael 520C package, including the stylus, replacement tips, and packaging.

3. PRODUCT FEATURES AND COMPONENTS

The Raphael 520C stylus is engineered for optimal performance and user comfort. Key features include:

- **USB-C Charging:** Fast and convenient charging.
- **4096 Pressure Sensitivity:** Provides precise control for drawing and writing.
- **Tilt Sensitivity:** Allows for shading effects, similar to a traditional pencil.
- **Palm Rejection:** Prevents unintended marks when resting your hand on the screen.
- **Magnetic Attachment:** Securely attaches to compatible Surface devices.
- **Ergonomic Design:** Lightweight (14 grams) and streamlined for comfortable extended use.
- **Durable Material:** Constructed from premium aluminum alloy.

USB-C Charging & 3C Fast Charging

Raphael 520C uses USB-C charging port that is compatible with your USB-C devices.

15 mins
of charging

70 hours
of use

Figure 3: Detailed view of the Raphael 520C stylus, highlighting its USB-C port, right-click button, erase button, streamlined shape, MPP 2.0 technology, 4096 levels of pressure, and palm rejection capabilities.

The stylus incorporates MPP 2.0 Technology, offering significant improvements over older stylus designs:
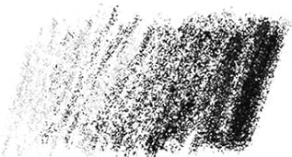
Figure 4: Comparison table showing the RENAISSER Stylus's superior MPP 2.0 protocol, higher pressure sensitivity (up to 4096 levels), faster latency (20ms), and tilt function support compared to older stylus designs.

4. SETUP AND CHARGING

4.1 Initial Charging

Before first use, it is recommended to fully charge your Raphael 520C stylus. The stylus features a USB-C charging port for quick and efficient power delivery.

- Connect the USB-C cable to the charging port on the side of the stylus.
- Connect the other end of the cable to a compatible USB-C power adapter or port.
- A 20-minute charge provides approximately 50 hours of use. A full 1-hour charge can last for over 100 hours.

Raphael 520C, Designed to be the Better Pen

- Type-C
- Aluminum Body
- Slim and Lightweight
- Right-click Button
- Erase Button
- Streamlined Shape
- Original Quality Surface Pen Tip
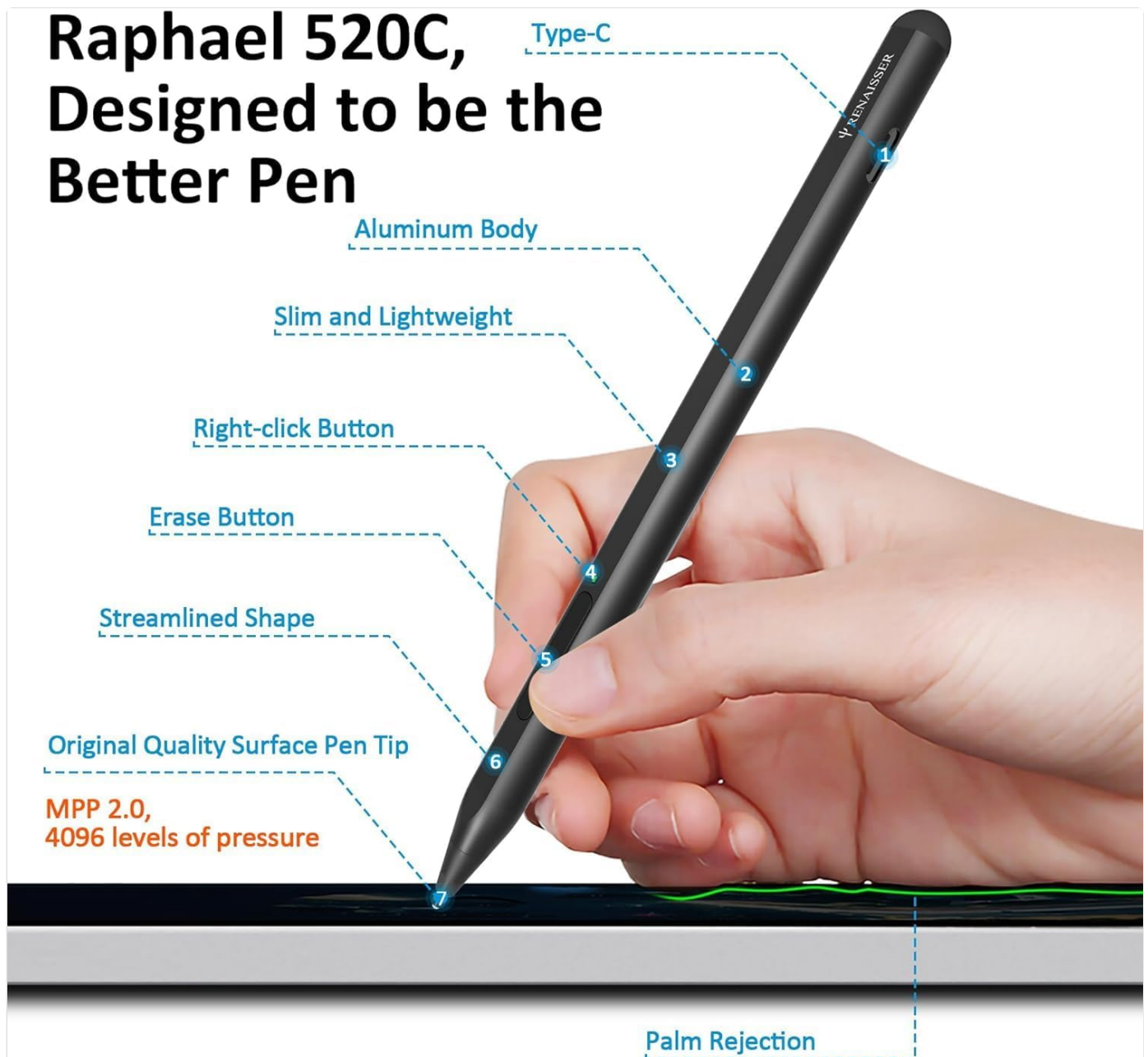- MPP 2.0, 4096 levels of pressure
- Palm Rejection

Figure 5: The Raphael 520C stylus connected via USB-C for charging, illustrating its fast charging capabilities (15 minutes for 70 hours of use).

The design ensures the charging port remains accessible even when magnetically attached to your Surface device.

Packaging box   **Stylus*1**   **Stylus tip*2**   **Bubble wrap bag**

● The stylus tip are contained in the bubble wrap bag.

Figure 6: Demonstrates that the Raphael 520C's charging port is accessible and not blocked when the stylus is magnetically attached to a Surface device.

4.2 Pairing and Connection

The Raphael 520C stylus does not require Bluetooth pairing. Simply turn on the pen, and it will automatically connect to compatible devices within range.

- Press the power button on the stylus to turn it on.
- The stylus is ready for use when the indicator light is active.

5. OPERATING INSTRUCTIONS

5.1 Basic Usage

Use the Raphael 520C stylus just like a traditional pen on your compatible touchscreen device. The pen's tip interacts directly with the screen for precise input.

5.2 Pressure and Tilt Sensitivity

The stylus supports 4096 levels of pressure sensitivity, allowing for varying line thickness and opacity based on how hard you press. Tilt sensitivity enables shading effects by tilting the stylus, similar to using a pencil. Compatibility with tilt sensitivity may vary depending on the application and specific pen brushes used.

5.3 Palm Rejection

With palm rejection, you can comfortably rest your hand on the screen while writing or drawing without causing unintended marks or interference.

5.4 Button Functions

The Raphael 520C features two functional buttons:

- **Right-click Button:** Typically located near the tip, this button functions as a right-click, opening context menus or performing specific actions within applications.
- **Erase Button:** Located above the right-click button, this button activates the erase function in drawing or note-taking applications.

5.5 Magnetic Attachment

The Raphael 520C is equipped with built-in magnets, allowing it to securely attach to the left side of compatible Surface Pro, Go, and Book devices. This provides convenient storage and prevents loss.
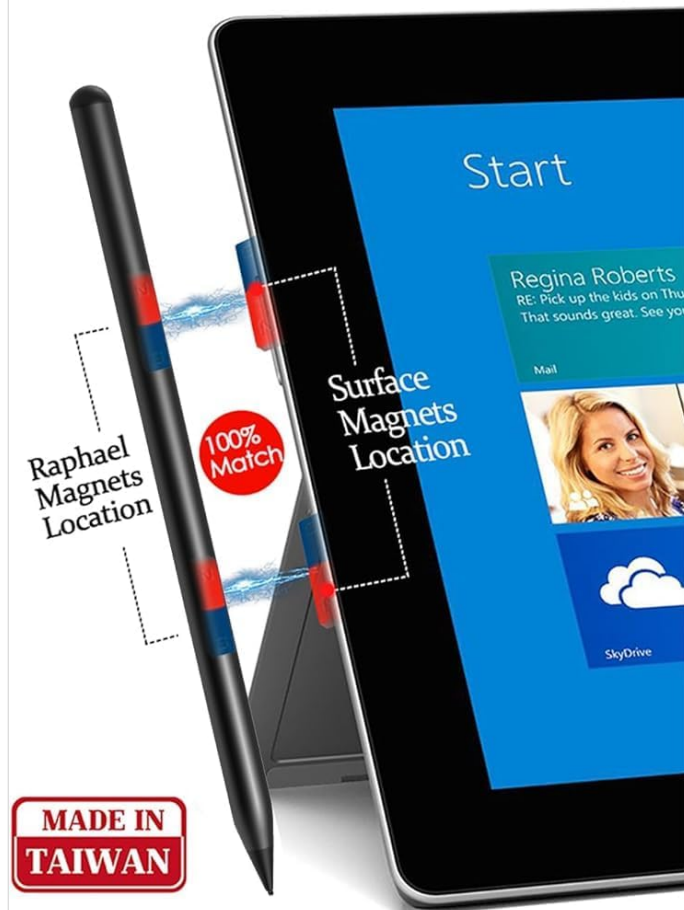
Figure 7: Illustration demonstrating the strong magnetic attachment of the Raphael 520C stylus to a Surface device, highlighting the precise magnet alignment.

6. COMPATIBILITY

The RENAISSER Raphael 520C Stylus Pen is compatible with a wide range of Microsoft Surface devices and other select touchscreen computers. Please refer to the list below for confirmed compatibility:

- Surface Pro 11/10/9/8/7+/7/6/5/4
- Surface Duo/Duo 2
- Surface Pro X
- Surface Go/Go 2/Go 3
- Surface Book/Book 2/Book 3
- Surface Studio 1st Gen, Surface Studio 2, Surface Studio 2+
- Surface Laptop 1/Laptop 2/Laptop 3/Laptop 4/Laptop 5/Laptop 6
- Surface Laptop Studio

- Kobo Libra Colour, Kobo Sage, Kobo Elipsa, Kobo Elipsa 2E

Note: The Raphael 520C is *not* compatible with Surface Laptop Go, Surface Laptop Go 2, or other touchscreen computers not explicitly listed above.

7. MAINTENANCE

7.1 Charging Best Practices

- Charge the stylus using a standard USB-C cable and a compatible power source.
- Avoid overcharging by disconnecting the stylus once fully charged.
- If the stylus will not be used for an extended period, charge it periodically to maintain battery health. The smart power management feature will automatically turn off the pen after 10 minutes of non-use to conserve battery.

7.2 Replacing Pen Tips

The Raphael 520C comes with original quality HB-type and 2H-type pen tips, providing different writing sensations. Over time, pen tips may wear down and require replacement. To replace a tip:

1. Gently pull the old tip straight out from the stylus.
2. Insert a new tip firmly into the stylus until it clicks into place.

7.3 Cleaning

To clean your stylus, wipe it gently with a soft, dry, lint-free cloth. Do not use abrasive cleaners or immerse the stylus in liquid.

8. TROUBLESHOOTING

Issue	Possible Cause	Solution
Stylus not responding or inconsistent writing.	Low battery; Incompatibility with device/application; Software glitch.	Charge the stylus fully. Verify your device is listed in the compatibility section. Restart your device and the application. Ensure the pen tip is securely inserted.
Buttons not functioning.	Application specific settings; Software glitch.	Check application settings for stylus button customization. Restart the application or device.
Magnetic attachment not working.	Incorrect attachment side; Non-compatible device.	Ensure you are attaching to the left side of compatible Surface devices. Confirm your device model is compatible with magnetic attachment.
Pen turns off automatically too quickly.	Smart power management feature.	This is normal behavior; the pen turns off after 10 minutes of non-use to save battery. Press the power button to reactivate.

9. SPECIFICATIONS

Feature	Detail
Model Number	Raphael 520C

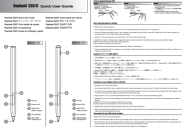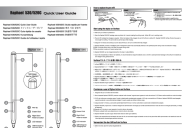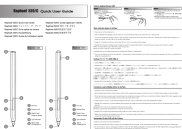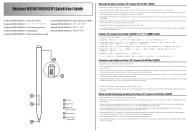| Feature	Detail
Dimensions (L x W x H)	5.88 x 0.36 x 0.34 inches (149.35 x 9.14 x 8.64 mm)
Item Weight	0.494 ounces (14 grams)
Material	Aluminum
Pressure Sensitivity	4096 levels
Tilt Sensitivity	Supported
Charging Port	USB-C
Charging Time	Approx. 1 hour for full charge
Battery Life	Up to 100+ hours on a full charge (50 hours for 20 min charge)
Battery Type	Lithium-Ion Polymer
Auto-off Feature	After 10 minutes of non-use

10. WARRANTY AND SUPPORT

RENAISSER products are manufactured to high quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official RENAISSER website. Keep your purchase receipt for warranty claims.

For further assistance, you may contact RENAISSER customer support through their official channels.

Related Documents - Raphael 520C

	[RENAISSER Raphael 520/C Quick User Guide](#) Concise user guide for the RENAISSER Raphael 520/C stylus, covering pen refill replacement, stylus operation on Surface devices, safety information, and support details.
	[Raphael 530/520C Quick User Guide](#) This guide provides instructions on how to use the Raphael 530/520C stylus with Microsoft Surface devices, including setup, charging, and safety information.
	[Renaisser Raphael 520/C Stylus Quick User Guide](#) A quick user guide for the Renaisser Raphael 520/C stylus, covering setup, usage, charging, and safety information in multiple languages.

[RENAISSER Raphael N520C/H520C/U1 Stylus Quick User Guide](#)
Quick user guide for the RENAISSER Raphael N520C/H520C/U1 stylus, covering setup, charging, battery care, and safety information for use with Surface, HP, and Amazon Fire HD Max 11 devices.

[Raphael 520BT Quick User Guide](#)
A quick user guide for the Raphael 520BT stylus, covering setup, pen refill replacement, Bluetooth pairing, and safety information.