

RENAISSER Raphael 520

RENAISSER Raphael 520 Touch Pen for Surface - User Manual

Model: Raphael 520

Brand: RENASSER

1. INTRODUCTION

The RENASSER Raphael 520 is a high-performance touch pen designed for Microsoft Surface devices. It features advanced MPP2.0 technology, offering precise control and a natural writing experience. This manual provides essential information for setting up, operating, and maintaining your Raphael 520 touch pen.

Ergonomic Design

The Raphael 520 features an ergonomic, streamlined aluminum body, designed in Houston and made in Taiwan. With a diameter of just 9.2mm and weighing only 14 grams, it offers a comfortable grip for extended use. The pen's weight is balanced at both ends for optimal handling.



Figure 1: Ergonomic design of the Raphael 520, highlighting its slim profile (8.7mm) for comfortable use.



Figure 2: Comparison illustrating the streamlined shape and high-quality metal material of the RENASSER pen tip.

2. SETUP

Initial Use

The Raphael 520 does not require any troublesome settings or Bluetooth connection. Simply touch the screen of your compatible Surface device to begin use.

Magnetic Attachment

The pen features a magnetic attachment function, allowing it to securely attach to compatible Surface devices for convenient storage and portability. This is particularly useful during travel or meetings.

Devices compatible with magnetic attachment:

- Surface Pro 3/Pro 4/Pro 5/Pro 6/Pro 7
- Surface Book / Book 2 / Book3
- Surface 3
- Surface Go / Go 2 /Go3
- Surface Studio
- Surface Studio 2

Devices not compatible with magnetic attachment:

- Surface Pro 8/ Pro 9/ Pro X
- Surface Duo/Duo 2
- Laptop 1/Laptop 2/Laptop 3/Laptop 4/Laptop 5/Laptop Studio



Figure 3: The Raphael 520 features strong built-in magnets for secure attachment to compatible Surface devices, unlike some other pens.

3. OPERATING INSTRUCTIONS

Pressure Sensitivity and Tilt Detection

The Raphael 520 utilizes cutting-edge MPP2.0 technology, providing 4,096 levels of pressure sensitivity for accurate sketching and shading. The tilt detection function allows you to create shading effects similar to a real pencil when the pen is angled.

Palm Rejection

Equipped with palm rejection technology, you can comfortably rest your hand on the screen while writing or drawing, just as you would on paper, without needing gloves.

RENAISSERのペンを収納できるペンスロット

ルネサーのペンに対応



Slim Pen 2とは互換性がありません



Surface Pro 8に装着するとスロットが隠れます。



Figure 4: The pen's advanced accidental touch prevention technology ensures a smooth drawing experience even with your palm resting on the screen.

Right-Click and Eraser Functions

For enhanced convenience, the pen includes dedicated buttons for right-click and eraser functions, allowing for quick and efficient interaction with your device.



Figure 5: Overview of the Raphael 520's features, including the Power LED, Eraser button, and Right-click/Power button.

Demonstration Video

Watch this video for a visual demonstration of the pen's features, including pressure sensitivity, tilt for shading, eraser function, right-click function, and magnetic attachment.

Your browser does not support the video tag.

Video 1: RENASSER Raphael N520C Surface Pen Features. This video demonstrates key functionalities such as 4096 pressure sensitivity, realistic pencil-like rendering with tilt, eraser function, right-click function, and built-in magnetic attachment, all applicable to the Raphael 520 model.

4. MAINTENANCE

Ultra-Fast Charging

The Raphael 520 features ultra-fast charging, eliminating the need for disposable batteries. A mere 15 minutes of charging provides approximately 70 hours of use, while a full 1-hour charge can last over 100 hours.



Figure 6: The pen's ultra-fast charging allows for 90 hours of use from just a 20-minute charge.

Smart Power Management

For optimal battery life, the pen is designed with smart power management. If the pen is not used for 10 minutes, it will automatically power off to conserve energy.

5. TROUBLESHOOTING

No specific troubleshooting steps are provided in the product information. If you encounter issues, please refer to the general support resources for your Microsoft Surface device or contact RENASSER customer support.

6. SPECIFICATIONS

Feature	Detail
Brand Name	RENAISSER
Model Number	Raphael 520
Color	Blue
Pressure Sensitivity	4096 levels

Tilt Detection	Yes
Palm Rejection	Yes
Magnetic Attachment	Yes (for compatible devices)
Buttons	Right-click, Eraser
Charging	USB-C (cable included)
Battery Life (15 min charge)	Approx. 70 hours
Battery Life (1 hour charge)	Over 100 hours
Auto Power Off	After 10 minutes of inactivity
Product Dimensions	14.2 x 0.92 x 0.87 cm
Product Weight	14 g
Compatible Devices	Surface Pro 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, 2, 2+; Surface Laptop 1, 2, 3, 4, 5; Surface Laptop Studio.
Incompatible Devices	Surface Laptop Go, other Windows 10 touchscreen computers.

7. WARRANTY AND SUPPORT

Specific warranty and support details are not provided in the product information. Please refer to the product packaging or the manufacturer's official website for warranty information and customer support contacts.