

SRJTEK 100011885

SRJTEK Touch Screen Digitizer Replacement for ONN surf 8" Tablet Gen 2 (Model 100011885 / 2APUQW829)

Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the SRJTEK Touch Screen Digitizer Replacement for the ONN surf 8" Tablet Gen 2 (Model 100011885 / 2APUQW829). Please read this manual thoroughly before attempting any repair or installation to ensure proper functionality and to prevent damage to your device or the replacement part.

2. PRODUCT OVERVIEW

The SRJTEK Touch Screen Digitizer is designed as a direct replacement for the original touch screen on the ONN surf 8" Tablet Gen 2. It restores touch functionality and visual clarity to your device. This component includes the outer glass and the touch-sensitive layer, which registers your finger inputs.



Figure 2.1: Front view of the SRJTEK Touch Screen Digitizer, showing the display area and surrounding bezel.



Figure 2.2: Key features of the digitizer, highlighting its visual and tactile properties.

3. SAFETY INFORMATION

Repairing electronic devices requires caution. Please observe the following safety guidelines:

- **Power Off:** Always ensure the tablet is completely powered off and disconnected from any power source before beginning the repair.
- **Static Electricity:** Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity, which can damage sensitive electronic components.

- **Handle with Care:** The digitizer is made of glass and can break if dropped or mishandled. Handle all components gently.
- **Eye Protection:** Wear safety glasses to protect your eyes from small debris or glass shards during the removal of the old screen.
- **Battery Disconnection:** Disconnect the tablet's internal battery before proceeding with any component replacement.

4. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x SRJTEK Touch Screen Digitizer Replacement for ONN surf 8" Tablet Gen 2
- 1 x Repair Tool Kit (typically includes screwdrivers, prying tools, suction cup)
- 1 x Adhesive strip set

Package Including

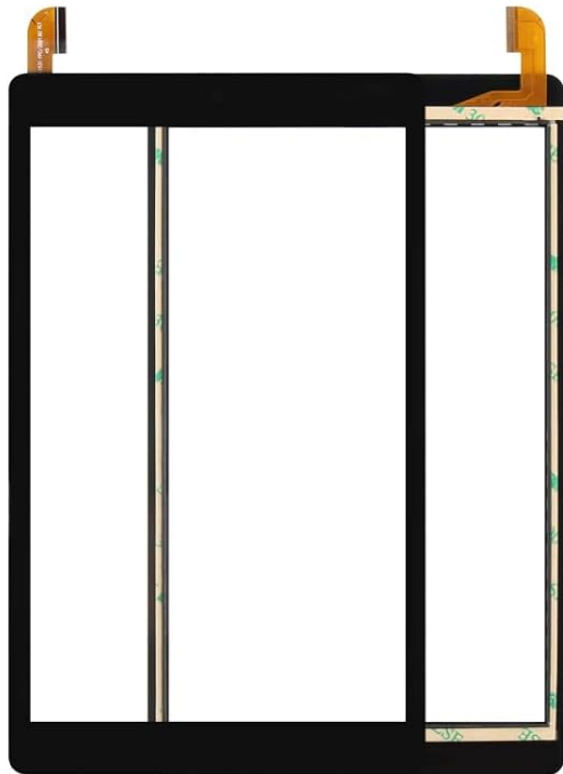


Figure 4.1: Contents of the SRJTEK replacement package, showing the digitizer, adhesive, and various repair tools.

5. SETUP AND INSTALLATION

This section outlines the general steps for replacing the touch screen digitizer. Due to the delicate nature of tablet repairs, professional installation is recommended. If you proceed with DIY installation, it is highly advisable to watch detailed video tutorials specific to the ONN surf 8" Tablet Gen 2 screen replacement before starting.

Required Tools (Included):

- Small Phillips head screwdriver
- Prying tools (plastic spudgers)
- Suction cup
- Tweezers (recommended, not always included)

Installation Steps:

1. **Prepare the Tablet:** Power off your ONN surf 8" Tablet Gen 2 completely. If possible, discharge the battery below 25% to reduce fire risk during repair.
2. **Heat the Edges:** Use a heat gun or hairdryer on a low setting to gently heat the edges of the tablet's screen. This softens the adhesive holding the old digitizer in place. Apply heat for 1-2 minutes around the perimeter.
3. **Remove Old Digitizer:** Place the suction cup on the screen near an edge. Gently pull up while inserting a thin prying tool (like a guitar pick or plastic spudger) into the gap created. Carefully work your way around the edges, slowly separating the old digitizer from the tablet frame. Be aware of flex cables connecting the digitizer to the main board.
4. **Disconnect Flex Cables:** Once the old digitizer is mostly detached, carefully lift it to expose the flex cable connectors. Use a plastic prying tool to gently flip up the small retaining clips on the ZIF (Zero Insertion Force) connectors, then slide out the flex cables.
5. **Clean the Frame:** Thoroughly clean the tablet frame, removing all old adhesive residue and any glass shards. A clean surface is crucial for the new digitizer to adhere properly.
6. **Connect New Digitizer:** Carefully connect the flex cables of the new SRJTEK digitizer to the corresponding connectors on the tablet's main board. Ensure the cables are fully inserted and the retaining clips are securely closed.



Figure 5.1: Detail of the flex cable and connector IC, critical for proper installation.

7. **Test Functionality (Before Final Adhesion):** Before applying the new adhesive and fully securing the digitizer, temporarily power on the tablet. Test the touch screen thoroughly across all areas to ensure it responds correctly. If there are issues, power off and recheck the flex cable connections.
8. **Apply New Adhesive:** If the test is successful, power off the tablet again. Apply the new adhesive strips provided to the perimeter of the tablet frame, ensuring even coverage.
9. **Secure New Digitizer:** Carefully align the new digitizer with the tablet frame and gently press it into place, ensuring a snug fit. Apply even pressure around the edges to activate the adhesive.
10. **Final Assembly:** Reassemble any other components that were removed during the process.

6. OPERATION

After successful installation, the SRJTEK Touch Screen Digitizer operates identically to the original component. Power on your tablet and verify the following:

- **Touch Responsiveness:** Navigate through menus, open applications, and type on the virtual keyboard to confirm that touch input is registered accurately and consistently across the entire screen.
- **Multi-Touch:** Test pinch-to-zoom functionality in an application like a web browser or photo gallery.
- **Visual Clarity:** Ensure the display underneath the digitizer is clear, bright, and free from any visual artifacts or dead pixels.

7. MAINTENANCE

To ensure the longevity and optimal performance of your new touch screen digitizer:

- **Cleaning:** Use a soft, lint-free microfiber cloth to clean the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-specific cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Protection:** Consider using a screen protector to guard against scratches and minor impacts.
- **Avoid Pressure:** Do not apply excessive pressure to the screen, as this can damage the digitizer or the underlying LCD.

8. TROUBLESHOOTING

If you encounter issues after installation, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Touch screen unresponsive or erratic	Loose or improperly connected flex cable; static discharge; faulty digitizer.	Power off the tablet, open it carefully, and reseal the digitizer's flex cable. Ensure the ZIF connector clips are fully closed. If the issue persists, the digitizer may be faulty.
Display issues (no image, lines, discoloration)	Damaged LCD (not part of this digitizer replacement); loose LCD flex cable.	This digitizer replacement does not include the LCD. If the LCD was working before and now has issues, check the LCD's flex cable connection. If the LCD was already damaged, it needs separate replacement.
Digitizer not adhering properly	Old adhesive residue not fully removed; insufficient new adhesive; uneven pressure during application.	Ensure the frame is completely clean before applying new adhesive. Apply new adhesive strips evenly and apply firm, even pressure across the digitizer during installation.

If troubleshooting steps do not resolve the issue, contact SRJTEK customer support or seek professional repair assistance.

9. SPECIFICATIONS

- **Compatibility:** ONN surf 8" Tablet Gen 2 (Model 100011885, 2APUQW829)
- **Component Type:** Touch Screen Digitizer (Outer Glass)
- **Manufacturer:** SRJTEK
- **Item Weight:** Approximately 6.7 ounces
- **Package Dimensions:** Approximately 10.63 x 5.98 x 1.26 inches
- **Date First Available:** March 5, 2021

10. WARRANTY AND SUPPORT

For specific warranty information regarding your SRJTEK Touch Screen Digitizer, please refer to the product packaging or contact SRJTEK directly through their official channels. Keep your proof of purchase for any warranty claims.

For technical support or further assistance with installation and troubleshooting, please visit the [SRJTEK Store on Amazon](#) or consult their customer service contact information.

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