



# Handheld Ultrasound Machine



## QUICK USER GUIDE



VER.2025 | © SUREULTMED.COM ALL RIGHTS RESERVED

# TABLE OF CONTENTS

|                                                |    |
|------------------------------------------------|----|
| 1. Install the Software App .....              | 1  |
| Mobile Devices (iOS/Android): .....            | 1  |
| Windows Software Installation: .....           | 1  |
| 2. Operate the Probe .....                     | 2  |
| 3. Set Up the Wireless Connection .....        | 3  |
| 4. App & Software Interface Introduction ..... | 3  |
| Basic Features.....                            | 3  |
| Color Doppler Imaging Mode (Color, PDI) .....  | 5  |
| Pulsed Wave Doppler (PW).....                  | 5  |
| Measurement Features .....                     | 6  |
| Puncture Function .....                        | 6  |
| Preset Settings .....                          | 7  |
| File Storage Locations.....                    | 7  |
| 5. Maintenance and Care.....                   | 8  |
| Probe Charging .....                           | 8  |
| Cleaning and Disinfection .....                | 8  |
| Waterproof Protection .....                    | 10 |
| Storage .....                                  | 10 |
| 6. Important Notes .....                       | 10 |
| 7. Contact .....                               | 10 |

# 1. Install the Software App

To get started, install the software on your device:

# SURERESULT

AVAILABLE FOR

iOS | Android | Windows

## Mobile Devices (iOS/Android):

- Search for "SURERESULT" on the App Store (for iPad and iPhone) or Google Play (for Android tablets and phones) to download and install the app.

## Windows Software Installation:

1. Download & Unzip the File
  - Download the installation file for Windows and unzip it.
2. Enable the Administrator Account
  - Log in as an administrator to save images and videos (requires Windows 7/10/11 Professional or Enterprise).
  - Enable it by pressing Windows + R, typing compmgmt.msc, and navigating to System Tools > Local Users and Groups.
  - Double-click the "Administrator" account, check "Password never expires," uncheck "Account is disabled," then click Apply and OK.
  - Switch to the administrator account via the Start menu.
3. Install the Software
  - Run the installer (SURERESULT.exe) from the unzipped package and follow the prompts.
4. Connect to the Probe

- After installation, connect your computer to the probe's Wi-Fi network using the lowercase password printed on the probe (starts with "W").
5. **Save and Access Data**
- Click "Save Patient Data" in the software to store videos and images.
  - Access saved files at: Computer > Local Disk (C:) > Program Files > SUREULT > SUREULT.

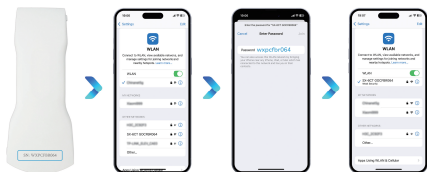
## 2. Operate the Probe

Use the buttons on the probe as follows (refer to the image for button locations):



1. **Power On/Off & Live/Freeze Button:**
  - Press to turn on the probe; press and hold to turn off.
  - Short press (1 second) to freeze the image; press again to unfreeze.
  - For double-head probes, press and hold for 3 seconds to switch heads.
2. **Battery Capacity Indicator:** Shows the remaining battery level.
3. **Wireless Connection Indicator:** Displays the connection status.
4. **Depth Adjustment Button:** Press once to zoom in on the image; press three times to return to normal size.
5. **Gain Decrease Button:** Press to lower the image brightness/contrast.
6. **Gain Increase Button:** Press to raise the image brightness/contrast.

### 3. Set Up the Wireless Connection



For the first connection between the probe and your smart device (phone, tablet, or PC), you'll need to enter a Wi-Fi password. Follow these steps:

- Turn on Wi-Fi on your device.
- Look for the SN on the back of the probe (e.g., “WXPCFBR064”). The last number matches the probe’s serial number (SN).
- Connect to this SSID and enter the probe's SN in lowercase as the Wi-Fi password.

### 4. App & Software Interface Introduction

Below is an overview of the app interface features:

#### Basic Features



1. **Gain +:** Increases the image brightness/contrast.
2. **Gain -:** Reduces the image brightness/contrast.
3. **Depth:** Adjusts the image depth.
4. **Focus:** Adjusts the image focus.
5. **Dynamic Range:** Changes the dynamic range of the image.
6. **Frequency:** Changes the probe's working frequency.
7. **Noise Reduction:** Removes low-level echo noise.
8. **Image Modes:** Includes B mode, blood flow mode, energy Doppler mode, and pulsed Doppler mode.
9. **Patient Information Management:** Enter patient details.
10. **Freeze / Run:** Freezes or unfreezes the image.
11. **Compound:** Activates the compound imaging feature.
12. **Measurement:** Measures distance, area, or obstetric parameters.
13. **Comment:** Adds a comment to the image.
14. **Puncture:** Draws a puncture line for guidance.
15. **Clear Measurements and Comments:** Removes measurements and comments from the image.
16. **Save Image:** Saves a single image.
17. **Save Image Video:** Saves a video of the images.
18. **Settings:** Selects Wi-Fi channel to avoid congestion.
19. **Image Depth Adjustment:** Toggles up or down to adjust the image area on the screen.
20. **TGC Function Menu:** Click on the right (top right on phones) to open color Doppler imaging modes (Color, PDI).
21. **DICOM Procedures:** Set up DICOM workflows (accessed via Preset > DICOM Setting).
22. **Body Presets:** Pre-set parameters tailored for specific body parts, ready for immediate use.
23. **Wi-Fi Connection Status:** Displays the name of the successfully connected Wi-Fi network; if no name is shown, the connection has not been established.

## Color Doppler Imaging Mode (Color, PDI)



These features appear in Color or PDI mode:

- **Steer:** Adjusts the direction of the color sampling frame.
- **Gain +:** Increases the color blood flow gain.
- **Gain -:** Reduces the color blood flow gain.
- **PRF:** Adjusts the pulse repetition frequency (PRF), controlling the number of pulses per second. (Applicable to D3Ultra, D3Pro, C5SH, L10H-Guide, L10SH, L20, L22 and newer generation products.)
- **WF (Wall Filter):** Adjusts the wall filter to remove low-frequency, high-density noise. Higher settings filter slow-moving tissue; lower settings show more movement. (Applicable to D3Ultra, D3Pro, C5SH, L10H-Guide, L10SH, L20, L22 and newer generation products.)
- **Move, Zoom:** Changes the position and size of the color sampling frame by clicking and dragging with your finger.

## Pulsed Wave Doppler (PW)

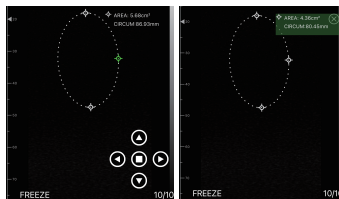


These features are available in PW (Pulsed Wave) mode:

- **Gain +:** Increases the pulse gain.
- **Gain -:** Reduces the pulse gain.
- **Steer:** Adjusts the direction of the color sampling frame.
- **Volume:** Zooms or narrows the equal line to measure the volume of the test area.

- **Angle:** Changes the angle of the spectrum sampling line during real-time scanning.

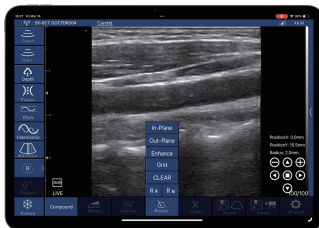
## Measurement Features



When taking measurements:

- Click a measuring point to turn it green, indicating it can be moved.
- Drag it manually on the screen or use the arrow buttons in the lower right corner to fine-tune its position.
- Press the middle square button to confirm the position.
- To delete all measurements, press the delete button after finishing.
- To delete a specific measurement, click the "X" next to its result in the results list.

## Puncture Function



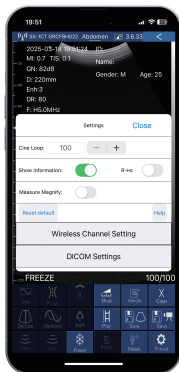
The puncture feature includes:

- **In-Plane Puncturing:** Adjust the angle using the arrow button in the lower right corner.
- **Out-of-Plane Puncturing:** Adjust the depth and size of the blood vessel. The app shows the vessel's depth and radius in the lower right corner.
- **Needle Enhance:** Improves needle visibility during puncturing.
- **Grid:** Displays a grid on the screen for guidance.
- **Up/Down Flip:** Flips the image vertically.

## Preset Settings

Access additional options by pressing "Preset":

- **Wireless Channel Setting:** In a crowded Wi-Fi environment, select a different channel. Choose from the signal channel list, wait 2 seconds, then restart the probe and reconnect to your device.
- **Cine Loop:** Set video length when saving:  
No. 100: 10-second video  
No. 200: 20-second video  
No. 500: 50-second video  
No. 1000: 100-second video
- **Show Information:** Toggle the display of patient information, time, depth, denoise, and gain (GN) in the upper left corner.
- **Left/Right Flip:** Flip the image horizontally.
- **Measure Magnify Switch:** Turn measurement magnification on or off.
- **Help:** View a simple user manual and App Version Update Record.
- **DICOM Setting:** Configure DICOM functions.



## File Storage Locations

- **Android:** Files are saved in File Management > Internal Storage Device >

SURERESULT.

- **Apple:** Connect via USB to a computer, open iTunes, go to File Sharing > SURERESULT > SURERESULT Documentation to download files.
- **Windows:** Files are saved at Computer > Local Disk (C:) > Program Files > SURERESULT > SURERESULT.

## **5. Maintenance and Care**

Follow these guidelines to maintain and store the probe properly.

### **Probe Charging**

- Charge the probe when the battery is low.
- Remove the rubber plug at the end of the probe, then connect it to a USB charger using a USB cable.
- During charging, the battery capacity indicator light will flash, and the grid will show the charge level.
- When all four grid lights are on and not flashing, the battery is fully charged.
- After charging, disconnect the USB cable and reinsert the rubber plug to protect against liquid damage.
- Alternatively, use a wireless charger: Place the probe on the wireless charging board, aligning the wireless charging mark (diffusion waveform) under the probe with the charging mark on the board.
- Stop charging once the probe is fully charged to preserve battery life.

### **Cleaning and Disinfection**

#### **Cleaning**

#### **Cautions:**

- Do not immerse the probe in conductive liquids, as this may corrode the probe and sheath.

- Ensure the probe does not go past the immersion line mark when in water, and check for cracks in the shell to prevent liquid damage to internal components.
- Confirm the probe is powered off before cleaning.

### **Steps:**

1. Use a soft cloth dampened with isopropyl alcohol (or a suitable hospital cleaning agent) to clean the probe after each use.
2. Disconnect the probe from the mobile device.
3. Wipe the probe for 1 minute or until visibly clean.
4. Change wipes as needed and repeat until the probe is clean.
5. Inspect the probe in a well-lit area to ensure all surfaces are clean. If not, repeat the cleaning steps.

### **Disinfection**

#### **Cautions:**

- Use liquid chemical disinfectants that comply with local regulations.
- Do not thermally disinfect the probe. Temperatures above 66°C (150°F) will damage it.
- When disinfecting, ensure the disinfectant does not go past the probe's connection line.

### **Steps:**

1. After the recommended disinfection time, remove the probe from the disinfectant.
2. Rinse the probe with running water, then wipe and dry it with a soft, lint-free cloth.
3. Inspect the probe for any signs of damage or wear after cleaning and disinfection.

## Recommended Disinfectants:

| Disinfectant   | Manufacturer | Ingredient               | Concentration | Method     | Time    |
|----------------|--------------|--------------------------|---------------|------------|---------|
| Cidex          | J&J          | Glutaraldehyde           | 2.4%          | Wipe/Soak  | <20 min |
| Resert XLHLD   | STERIS       | Hydrogen Peroxide        | 2.0%          | Wipe/Soak  | <8 min  |
| Glutaraldehyde | Huankai, Inc | Glutaraldehyde           | 2.0-2.2%      | Wipe/Soak  | <20 min |
| T-spray II     | Pharm, Inc   | Quaternary Ammonium Salt | /             | Spray/Wipe | <10 min |
| T-spray        | Pharm, Inc   | Quaternary Ammonium Salt | /             | Spray/Wipe | <10 min |

## Waterproof Protection

- In outdoor or harsh environments, protect the probe and smart device from water exposure.

## Storage

- When not in use, store the probe in a suitable case to avoid damage from impacts.
- Keep the probe away from high temperatures (recommended storage temperature: 0°C to 40°C).

## 6. Important Notes

- For iPad users, ensure your device is an iPad Air 2 or a later model to avoid performance issues or unexpected crashes.
- Certain less common or recently released Android devices might not be fully compatible.
- Avoid submerging the probe in liquids or using plasma sterilization, as this could lead to a short circuit or permanent damage to the equipment.
- The probe may naturally heat up during prolonged use or at higher frequencies, which is expected behavior.

## 7. Contact

Phone & WhatsApp: +86 18033002984

Email: [info@suresultmed.com](mailto:info@suresultmed.com)