Tri-scan Max

# Quick Start Guide

## 1 Charge the scanner battery.

## 2 Download & install the App.

**For iOS Devices:** Go to the Apple App Store.

**For Android Devices:** Go to the Google Play Store.

Search for "**WirelessUSG Flash**," then click the install button. The app will install on your device. Open it to start scanning.

Download on the App Store | GET IT ON Google Play | GET IT ON Windows

## 3 Connect your scanner and smart device.

① Power on: Press the center button. A blue light will appear on the button and battery indicator.

② Enable Wi-Fi on your phone or tablet.

③In your Wi-Fi list, select the ID that matches the last characters of the SN on the back of the probe.

④Enter password: the SN in lowercase (e.g. SN = WXPCDMH070 → password = wxpcdmh070).

Once connected, open the App and start scanning.

Having trouble connecting? Email us at info@drsono.com for support.

## Button Functions

**1 Power On/Off & Live/Freeze Button**

Short press (1 second): Freeze/unfreeze the image.
Press & hold: Turn probe on/off.
Double-head probes – Press & hold for 3 seconds: Switch between scan heads.

**2 Battery Capacity Indicator**

Shows remaining battery level.

**3 Wireless Connection Indicator**

Displays connection status.

**4 Probe Direction Indicator**

Lights up to show which scan head is currently active.
Left-side light = left head is in use.
Right-side light = right head is in use.

## Scanning Basics

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. **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.
20. **Body Presets:** Pre-set parameters tailored for specific body parts, ready for immediate use.
21. **DICOM Procedures:** Set up DICOM workflows (accessed via Preset > DICOM Setting).
22. **TGC Function Menu:** Click on the right (top right on phones) to open color Doppler imaging modes (Color, PDI).

## 1 Color Doppler Imaging Mode (Color, PDI)

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 D3H, 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 D3H, 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.

## 2 Color Doppler Imaging Mode (PW)

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

1. **Gain +:** Increases the pulse gain.
2. **Gain -:** Reduces the pulse gain.
3. **Steer:** Adjusts the direction of the color sampling frame.
4. **Volume:** Zooms or narrows the equal line to measure the volume of the test area.
5. **Angle:** Changes the angle of the spectrum sampling line during real-time scanning.

## 1 Measurement Features

When taking measurements, follow these steps:

- 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.

## 2 Biopsy (Needle Guidance Function)

The Needle Guidance (Puncture) feature includes the following options:

- **In-Plane Needle Guidance:** Adjust the needle angle using the arrow button in the lower right corner of the image.
- **Out-of-Plane Needle Guidance:** Adjust the vessel depth and diameter. The app automatically displays the vessel's depth and radius in the lower right corner.
- **Needle Enhancement:** Improves visibility of the needle during procedures.
- **Grid:** Displays an on-screen grid to assist with needle alignment.
- Left/Right Flip: Horizontally flips the image for optimal orientation.

## 3 Preset Settings

Access Additional Options by Pressing "Preset":

1. **Wireless Channel Setting:** In crowded Wi-Fi environments, select a different channel from the list. Wait 2 seconds, then restart the probe and reconnect to your device.
2. **Cine Loop:** Set the video length when saving:
   - 100 → 10 seconds
   - 200 → 20 seconds
   - 500 → 50 seconds
   - 1000 → 100 seconds
3. **Show Information:** Toggle the display of patient info, time, depth, denoise, and gain (GN) in the upper left corner.
4. **Left/Right Flip:** Flip the image horizontally.
5. **Measure Magnify:** Enable or disable measurement magnification.
6. **Help:** View a brief user manual and App version update record.
7. **DICOM Setting:** Configure DICOM functions.

## 4 Patient information input

Enter Patient Info: Tap the Patient Info button to open the patient info screen.

1. **Input Details:** Enter Patient ID and Name in the text fields, then select Gender.
2. **Confirm:** Tap Confirm to save the patient information. Once saved, the info appears in the patient list.
3. **Edit Patient:** To modify existing info, tap the patient in the list and select Edit.
4. **New Case:** Tap New Case to create a new patient record. Repeat steps Input Details → Confirm to add the new patient.

**Get help with setup:**

info@drsono.com

Read the DRSONO Ultrasound Scanner User Manual for full instructions, symbol glossary, and safety information

**Get help with setup:**

info@drsono.com

Read the DRSONO Ultrasound Scanner User Manual for full instructions, symbol glossary, and safety information