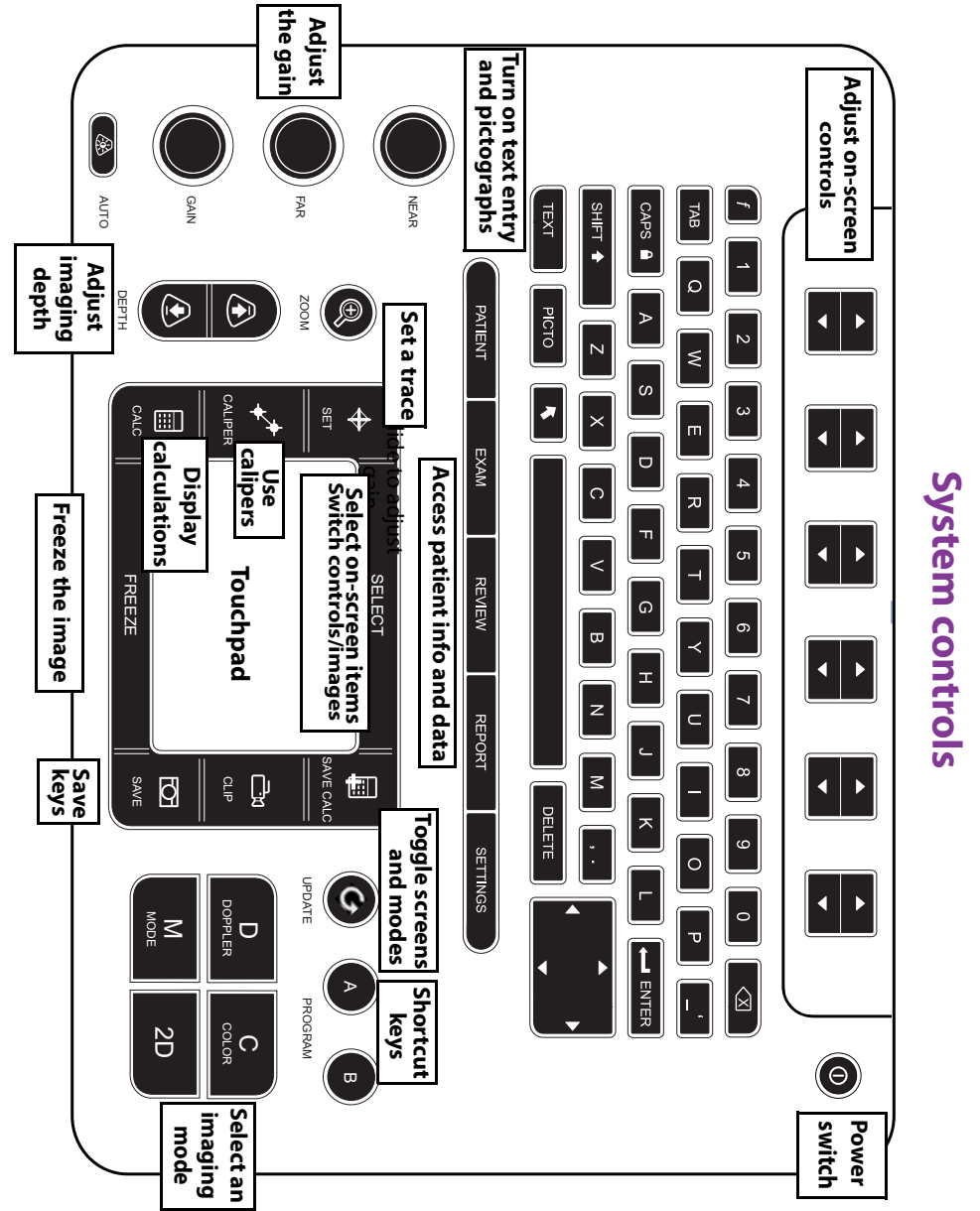
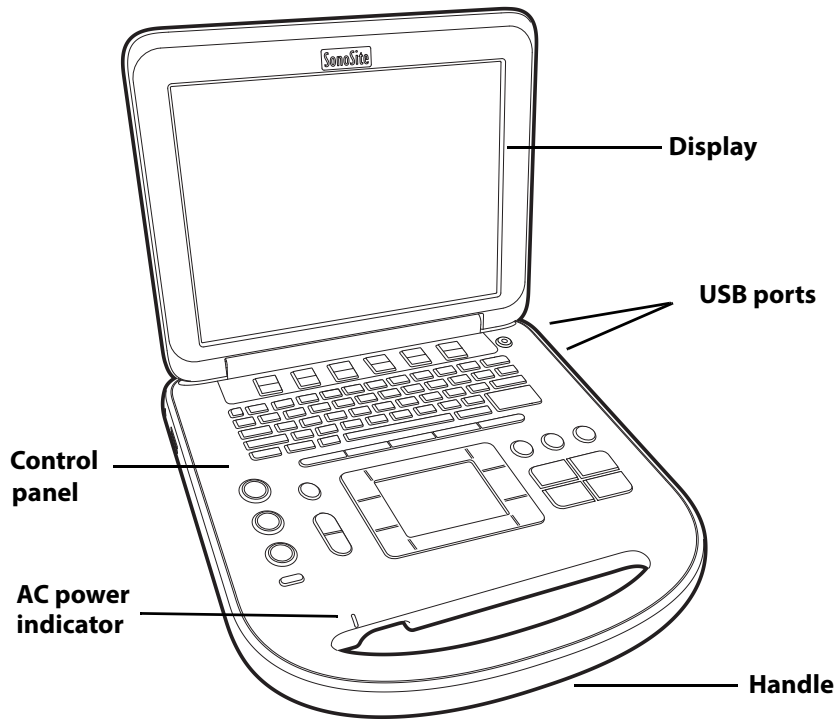
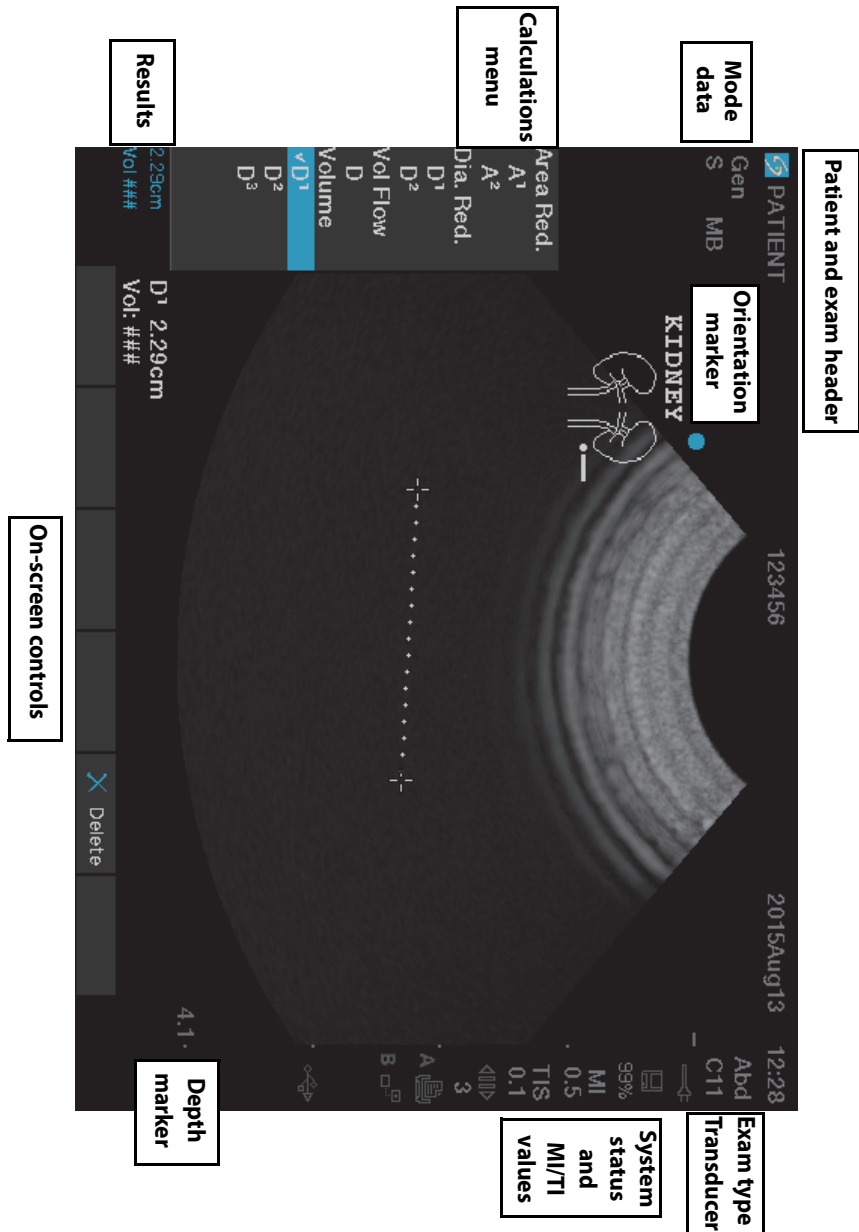


Overview

This Quick Reference Guide is for reference and refresh only and is not intended as a substitute for the user guide that came with your SonoSite Edge II system. For detailed procedures, descriptions, features, and safety precautions, see the *SonoSite Edge II User Guide*, available at www.sonosite.com.





Getting Started

Using the controls

Use the touchpad or arrow keys to adjust and move objects on-screen.

Use the on-screen controls to make adjustments and select settings. Adjust the on-screen controls by using the pair of keys below it, located on the keyboard.

Connecting transducers

- 1 On the transducer connector, pull the latch up, and rotate it clockwise.
- 2 Firmly seat the connector into the port on the bottom of the unit.
- 3 Turn the latch handle counterclockwise.
- 4 Secure the connector to the system by pressing the latch up.

Checking the battery charge

- ◆ Icons in the system status area on the screen show the power and battery status.

Setting up the system

To fill out information fields in setup pages and forms, use the touchpad to position the cursor. Press the **SELECT** key to activate the field and enter text.


- 1 Press the **SETTINGS** key to display **Setup Pages**.
- 2 Select a setup page to change audio, account, security, devices, connectivity, and calculations settings.

Imaging


Imaging modes

- ▶ **2D** (default) – Shows the basic 2D imaging mode.
- ▶ **M Mode** – Displays motion within the 2D image. Commonly used to measure structures in the heart.
- ▶ **Color** – The area within the box displays blood flow in color. Commonly used to show the presence and direction of blood flow.
- ▶ **Doppler** – Displays a spectrum of flow velocities over time. Commonly used to display any type of motion, including blood flow and tissue movement.

Using basic imaging

- 1 Press an imaging mode key, and perform a scan.
- 2 Adjust controls to optimize the image and display features.
- 3 Save images and other data using the save keys.
- 4 Press the **PATIENT** key and select  **New/End** to end the exam.
- 5 Fill out the patient information form, and select **Done**.

Using M Mode imaging

- 1 Press the **M** key to display M Mode. Use the touchpad to position the M-line.
- 2 To display the M Mode trace, press the **M** key again.
- 3 Select sweep speed ; press **PATIENT** to toggle between the M-line and trace; in M Mode and Doppler duplex layout, press **M** to toggle between duplex and M-line.

Using color imaging

- 1 Press the **C** key, and select **CPD** or **Color**.
- 2 Use the touchpad to position or resize the ROI box. Press the **SELECT** key to toggle between position and size.

Imaging

Using Doppler imaging

The default Doppler imaging mode is PW Doppler.

- 1 Press the **D** key to display the D-line.
- 2 Use the touchpad to position the D-line and gate.
- 3 Adjust the angle: press the **SELECT** key, then use the touchpad, or freeze the image and use the **FAR** gain knob.
- 4 To display the spectral trace, press the **D** key again. Press the **UPDATE** key to toggle between the D-line and spectral trace.

You can use PW/CW Doppler and CPD/Color simultaneously. The **SELECT** key cycles among ROI box position; ROI box size; the D-line and gate location; and (in PW Doppler) angle correction.

Selecting an exam type

To select an exam type, do one of the following:

- ▶ Press the **EXAM** key, and select from the menu.
- ▶ Press the **PATIENT** key. On the patient information form, select from the **Type** list under **Exam**.

Adjusting gain and depth

- ▶ Use the **DEPTH** keys to adjust depth.
- ▶ Press the **AUTO** key to adjust gain automatically. Use the gain knobs to adjust gain manually.

Freezing and viewing frames

- 1 Press the **FREEZE** key.
- 2 View frames by turning the **GAIN** knob, using the touchpad, or pressing the arrow keys.



Imaging

Zooming

- 1 In 2D or Color, press the **ZOOM** key. An ROI box appears.
- 2 Use the touchpad to position the ROI box and press **ZOOM** again to magnify.
- 3 If the image is frozen, use the touchpad or arrow keys to pan the image.
- 4 Press **ZOOM** again to exit.

Labeling an image

- 1 Press the **TEXT** key.
- 2 Move the cursor with the touchpad or arrow keys.
- 3 Use the keyboard to enter text or select **Label** to choose a predefined label.

You can also add arrows  or pictographs (**PICTO**). Select  **x/x** to display the desired pictograph, and then press the **SELECT** key.

Using clips

- 1 In 2D mode, select **Clips** on-screen to set the controls.
- 2 Press the **CLIP** key to save or edit the clip, depending on the settings.
- 3 Press the **CLIP** key again to stop saving a clip.

Measuring

Performing measurements and calculations

- ▶ Perform basic measurements in any mode, and press **SAVE** to save an image displaying the measurement.
- ▶ Press the **CALCS** key, then **SELECT** to choose a calculation.

You can save a measurement to a calculation or begin with a calculation and then measure. Press **SAVE CALC** or select **Save** on-screen to save a calculation.

Measuring

Measuring distance

- 1 On a frozen 2D or M Mode image, press the **CALIPER** key.
- 2 Position the caliper with the touchpad, then press **SELECT** and position the second caliper.

Measuring area or circumference

- 1 On a frozen 2D image, press the **CALIPER** key.
- 2 Select **Ellipse**, and use the touchpad to adjust size and position. Press the **SELECT** key to toggle between position and size.

Measuring heart rate

- 1 On a frozen M Mode trace, press the **CALIPER** key.
- 2 Select **HR** on-screen. A vertical caliper appears.
- 3 Use the touchpad to position the caliper at the peak of the heartbeat, and press the **SELECT** key. A second vertical caliper appears.
- 4 Position the second caliper at the peak of the next heartbeat.

Tracing

You can trace manually (2D or Doppler) or automatically (Doppler).


- 1 On a frozen image, press the **CALIPER** key.
- 2 On-screen, select **Manual** to trace manually or **Auto** to trace automatically.
- 3 Use the touchpad to position the caliper, and press **SELECT**.
- 4 Complete the trace:
 - ▶ (Manual) Use the touchpad to complete the trace, and press the **SET** key.
 - ▶ (Auto) Use the touchpad to position the caliper at the end of the waveform, and press the **SET** key.

Managing images and clips

Reviewing patient exams

- 1 To display the patient list, press the **REVIEW** key.
- 2 If there is an active exam, select **List** on-screen.

You can select a patient and view exams or edit patient information.


- 3 Select **Review** on-screen then select  **x/x** to choose an image or clip. To play a clip, select **Play**.

Exporting

You can save an exam, including images and clips, to a USB memory stick for easy export.

- 1 Insert a USB memory stick into a USB port on the device.
- 2 In the patient list, select the patient exam you want to export.
- 3 To display a list of devices, select **Exp. USB** on-screen.
- 4 Select the USB memory stick from the list, and choose whether to include patient information.
- 5 Select **Export**.

Printing, deleting, and archiving

- ▶ To print a displayed image, select **Print**.
- ▶ To delete, select a patient exam or display an image or clip, and select  **Delete**.
- ▶ To archive, select one or more patients from the patient list, and select **Archive**.

Contact information

Phone (U.S. or Canada): 877-657-8118

Phone (Outside U.S. or Canada): 425-951-1330, or call your local representative

Fax: 425-951-6700

E-mail: service@sonosite.com

Web: www.sonosite.com

Manufacturer

FUJIFILM SonoSite, Inc.
21919 30th Drive SE
Bothell, WA 98021 USA
T: 1-888-482-9449 or
1-425-951-1200
F: 1-425-951-1201

EC Authorized Representative

FUJIFILM SonoSite B.V.
Joop Geesinkweg 140
1114 AB Amsterdam,
The Netherlands

Australia Sponsor

FUJIFILM SonoSite
Australasia Pty Ltd
114 Old Pittwater Road
BROOKVALE, NSW, 2100
Australia

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