Quick Reference Guide

Turning on the system
Press the power button located on the back of the system

Starting a study
New patient
1 Tap **Enter Patient Information** from the startup screen or **+ New Patient** from the touch panel.
2 Enter patient information.
3 Tap **Scan** to start imaging.
All data saved during the study are linked to the patient.

Exam types
1 Select the transducer and exam button.
2 Select a transducer and exam type.
3 Double-tap on the exam type or tap **Scan** to start imaging.

Scanning
· 2D is the default mode. Press **2D** to return to the default mode.
· Press **M** to scan in M Mode.
· Press **C** to scan in color Doppler.
· Press **D** to scan in Doppler.

M Mode
1 Use the touchpad or monitor touchscreen to position the M-line in the 2D image.
2 To display both the M-line and trace, press **UPDATE**/ ↻ or press **M** again.
3 To toggle between the image and the trace, tap the image or trace on the monitor or press the **UPDATE**/ ↻ button.

Color Doppler
1 Use the **Color Type** control to switch between Color Velocity (CVD) and Color Power (CPD), or CVD and Color Variance (Var), depending on the exam type. You may need to tap **+ More Controls** on the touch panel to find the control.
2 Position the color box by dragging your finger on the touchpad or monitor touchscreen.
3 To resize the color box, use its control

circle on the monitor touchscreen or press **SELECT**/ 👆 and drag your finger on the touchpad.

Doppler
1 Use the **Doppler Mode** control to switch between PW, CW, and TDI Doppler imaging (CW and TDI are available only in the cardiac exam). You may need to tap **+ More Controls** to find the control.
2 Use the touchpad or monitor touchscreen to position the D-line and gate in the 2D image.
3 To display the spectral trace, press **UPDATE**/ ↻ or press **D** again.
4 To toggle between the image and the trace, tap the image or trace on the monitor touchscreen or press the **UPDATE**/ ↻ button.

Front

Back

Key:
1 **Time gain compensation**
2 **Gain control**
3 **Depth**
4 **Select and Update**
5 **Touchpad**
6 **Labels, Calcs, Calipers**
7 **Save buttons**
8 **Freeze**
9 **Modes**
10 **Touch panel with touch controls**
11 **USB, HDMI, Ethernet ports**
12 **Power button**

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Gain

Adjust the gain by doing one of the following:
- Drag your finger around the gain wheel.
- Press **TGC** and adjust the slider on the touch panel.
- Tap the gain icon ◖ and adjust the slider on the monitor touchscreen.
- Tap **Auto** on the monitor touchscreen or press **AUTO** to automatically adjust the gain.

Depth

- Use the slider on the monitor touchscreen or press the depth ⬆ and ⬇ buttons.

Freezing, unfreezing, and using cine

1. Press the ❄ button. The CINE display appears in the bottom-left corner of the monitor.
2. To scroll through the cine frames, do one of the following:
   - Drag your finger horizontally on the touchpad right or left to move forward or backward through the frames. To move frame by frame, tap the right or left side of the touchpad.
   - Move your finger clockwise or counterclockwise around the gain wheel to move forward or backward through the frames. To move frame by frame, firmly tap on the right or left side of the wheel.
3. To unfreeze, press the ❄ button again.

Zoom
Live Zoom

1. Tap **Zoom** on the touch panel.
2. Position the zoom box by dragging your finger on the touchpad or monitor touchscreen.
3. To resize the zoom box, use its control circle on the monitor touchscreen or press **SELECT**/ 👆 and drag your finger on the touchpad.
4. Tap the control again to zoom.

Frozen Zoom

1. Tap **Zoom** on the touch panel.
2. Tap up or down on the control to adjust the magnification.
3. Use the touchpad or monitor touchscreen to pan the image.

Measurements and calculations
Measurements

1. On a live or frozen image, press the **CALIPER** / ⤢ button.
2. Use the touchpad or monitor touchscreen to position the default calipers, or select a different measurement from the touch panel.
3. Tap a caliper on the monitor touchscreen or press **SELECT**/ 👆 to switch between calipers.

Calculations

1. On a live or frozen image, press the **CALCS** / 🖩 button to display a menu of analysis packages.
2. Navigate to and select a measurement from the touch panel.
3. Use the touchpad or monitor touchscreen to position the calipers.
4. Tap a caliper on the monitor touchscreen or press **SELECT**/ 👆 to switch between calipers.

Labels

1. Press the ABC button to display the labeling page.
2. Tap **Text**, **Picto**, or **Arrow** to add text, pictographs, or arrows to the image.
3. Use the touchpad to position the label.

Saving and reviewing

- Press the 📷 button to save an image and current measurements and calculations. Calculations and associated measurements are also saved to the patient report.
- Press the 📹 button to save a clip.
- Tap thumbnail images to access the review screen, or tap **Patient List** to view a different study. (You can find this option on the main touch panel, at the bottom of the patient or report form, or from the menu.)

Ending and exporting

1. End the study by tapping **END STUDY**. Open studies cannot be exported.
2. Insert a USB storage device into a USB port on the system or stand.
3. Tap **Patient List**. Select a study or studies to export.
4. Tap **Send to**, then tap **USB**.
5. Select the USB drive from the list, and choose whether to include patient information.
6. Tap **Export**.

Help and Learn

- Tap an ⓘ to access on-board help.
- Access the Learn feature to view training and procedural videos.

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