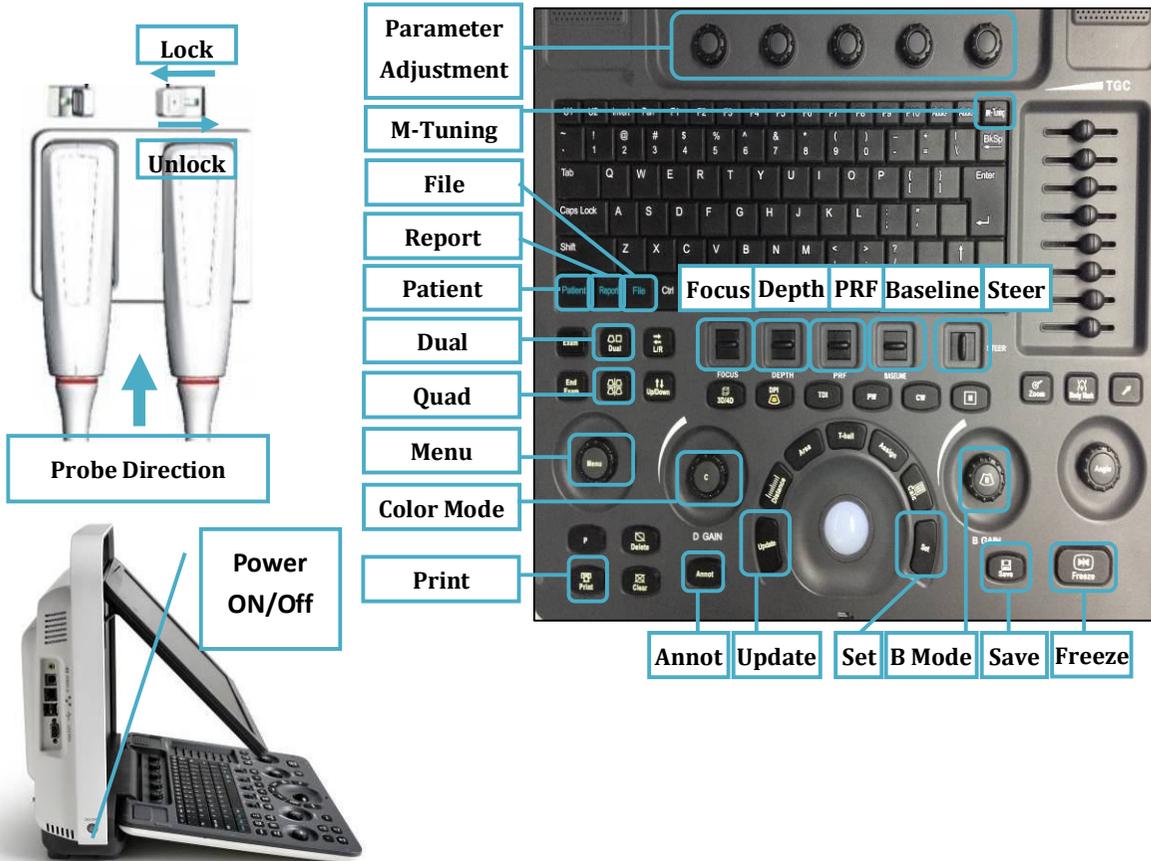


## General Introduction

S8 Exp is borne from our relentless efforts to be the most innovative ultrasound manufacturer in the world. The S8 Exp provides a premium, efficient portable ultrasound solution with performance and style.



## Preparation before Scanning



## 1. Getting Start

### Create new patient and get into Scanning Mode

1. Press [Patient], fill in basic patient information;
2. Press OK on the patient interface to create a new patient file;
3. Move the [Trackball] to choose the probe and exam.

## 2. Scanning

### B Mode

1. The default scanning mode is B mode, if you want to return to B mode, please press the [B] in keyboard;
2. Rotate [B] in keyboard to adjust gain, or Press [M-tuning] for image one key optimization.

### Image Adjustment in B mode:

Easily adjust parameters by five knobs just under the monitor, or press the [Menu], mostly include:

- [Gain]: ↓ ↑ brightness;                      [μ-Scan]: 5-level speckle reduction;
- [Compound]: edge enhancement;              [GSC]: 7 selectable grayscale curve;
- [DYN]: ↓ more contrast, ↑ more information and details;
- [Frequency]: high frequency for resolution, while low frequency for penetration;
- [Chroma]: colorize the image for high resolution.

### 2B/4B Imaging

1. Press [Dual] or [Quad] to get into 2B/4B imaging;
2. Press [Dual] or [Quad] to change the activated image.

### Color/DPI Mode

1. Press [C] in the keyboard to enter Color mode;
2. Move [Trackball] to change the position of ROI;
3. Press [Set] and then move [Trackball] to change the size of ROI;
4. Press [Set] again to change the position of ROI.

### The Parameters in Color Mode:

Easily adjust parameters by keys in the keyboard, include:  
 [D Gain]: ↓ ↑ color brightness;    [PRF]: ↓ ↑ Scale;

## PW/CW Mode

1. Press [PW] to enter PW mode;
2. Move [Trackball] to change the position of sample volume;
3. Use [Set] to change the size of sample volume, and use [Angle] to change the angle of sample volume line;
4. Press [Update] to activate the Pulse Wave Doppler image;
5. Press [M-tuning] to optimize the spectral Doppler;
6. CW is only available for phased array, and press CW in the keyboard to enter CW mode.

## 3D/ 4D

1. Select the volume probe and choose the exam mode. Press [3D/4D] in the keyboard under B mode;
2. Adjust the ROI and curve line by [Set] and [Update];
3. Press [1], [2] and [4] in the alphabet keyboard to start the 4D image real-time status.

## Steer M mode (Anatomical M mode)

1. Under M mode, press [Menu] and choose [Steer M];
2. Press left or right of [Steer M] to set the number of the sample line, and rotate [Angle] to change the angle of the sample line.

## Tissue Doppler Imaging (only available for Phased Array)

1. Under B mode, click [TDI] in the keyboard to enter TDI mode;
2. Use [Trackball] and [Set] to change the position and size of the ROI;
3. Press [PW] button to enter TVD mode;
4. Press [Update] to activate the Pulse Wave Doppler image.

## Elastography

Available in the breast and thyroid exam mode for all linear probes;

## Contrast Imaging

Available for C353

## 3. Measurement

1. Calculation is active both in scanning mode and frozen mode;
2. Press [Distance] to calculate the distance;
3. Press [Area] to calculate the area and circumference;
4. Press [Calc] to enter the application measurement status;
5. Choose the desired measurement item by moving [trackball], use [Set] to choose and mark on the right position.

## 4. Post Scanning

### Annotation

1. Press [Annot] to activate the annotation dictionary, and input annotation through keyboard.
2. Press [Set] to locate the annotation position.

### Body Mark

1. Press [Body Mark] and choose the desired one.
2. Move [Trackball] to place the probe marker, and rotate the [Angle] to adjust the orientation of the probe.

### Save Images or Cine

Press the [Save] to save a single frame image, while press and hold [Save] to save cine into the system.

### Review Patient File

Press [File] to the patient file which you are scanning, then select a certain exam to review images and cines.

## Report and Print

1. Press [Insert Image] to add images, and then Press [Report], input the comment in the text box;
2. Click [Print] on the report interface to preview the PDF report, then press [Print] in the keyboard to print the report out.

## End Exam

Press [End Exam] to end one examination.

## Start a New Patient

You may start a new exam by repeating the instructions above.

## 5. Image Management

### Image Transfer (only after you END the examination)

1. Press [Patient] in the keyboard, then enter the [Patient List] to choose the images of a certain patient;
2. Choose the type of medium to USB. Then choose the type of file you want to export, like JPG/BMP/AVI/MP4, etc;
3. Click [Export] to send the images to USB.

Note: For detailed information, please refer to the Operation Manual.

## 6. User-defined Preset

### How to create your own exam mode?

1. After you change some parameters to optimize the 2D image, press "S" in the alphabet keyboard to enter into the User Preset Menu;
2. Rename the new exam, and choose the Exam Type and Exam Icon though [Set] key; then choose [Create Exam];
3. You also can choose [Arrange Preset Display] to change the order of all exam modes.

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