

## Turn on:

Press **Power**. System will beep and start-up screen will appear. System takes less than 20 seconds to be ready for scanning.

## Entering Patient Data:

Press **Patient** and select **New/End**. Press the first field of patient date to be entered and the keyboard will appear. Enter the details using the touch screen keypad and to move between fields, use **<Prev Next>** buttons to move between fields. Press the **Done** key to return to return to the patient data screen.

When patient data is entered select **Exam Type**: Press the **Exam Type** drop down, select the required exam type and press **Done** to return to 2D mode and begin scanning.

## Image Optimisation:

### 1 – Adjust Depth controls

Decreasing the image depth allows you to make the structures you are visualising as large as possible on the screen. Increasing the image depth allows you to visualise deeper structures within the image. A scale marking is displayed along right side of screen in 5 mm, 1 cm or 5 cm increments, depending on imaging depth. Total depth in centimetres is displayed at lower right of screen.

### Please Note:

The focal zone is always located in the centre of the image. The penetration depth depends on the frequency range of the transducer.

### 2 – Gain Controls

Gain Controls may be adjusted to balance the image. Press the **Gain** key to move between **Near**, **Far** and **Overall Gain** and rotate the dial to adjust.

**Near** – Use for manual gain control upper half image

**Far** – Use for manual gain control lower half image

**Gain** – Use for manual gain control of whole image

**Auto** – Press the **Auto Gain** soft key to automatically balance image

### 3 – Mode Controls

For **2D**, **Color**, **Doppler** and **M-Mode** press **Mode** key from the lower menu and select appropriate mode from the sub menu that appears.

## Color / CPD:

In **Color** or **Color Doppler** mode, adjust the color box position by placing and moving your finger in the centre of the box. Use trackpad to change position when box is solid, or to change the size when box outline is broken. To change the mode to **Color Power Doppler (CPD)**, press the **CPD** key to the left of the ultrasound image.

## Freeze:

Press **Freeze**. Cineloop function activates automatically. Use the dial to scroll back through frames to obtain required image. Press **Unfreeze** to return to 2D mode.



## Measure:

Freeze the image.

Press **Caliper** button. Press **Touch Screen** key to activate the callipers for placement. Place your finger on the active green cursor to move to desired position. Use **Select** to change between active cursors.

To select another measurement press **Caliper**.



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