



## DP-6600 Ultrasound Scanner

# Basic Instructions

### Connecting and Disconnecting Probes

1. **Only** connect and disconnect probes when unit is turned off or when image is frozen (pressing '**Freeze**' button first)
2. To connect a probe, very gently place probe plug in either connector socket with cord pointing towards rear of machine. Twist the connector knob clockwise 90 degrees to engage
3. To disconnect probe, turn connector knob anti-clockwise 90 degree and remove probe

### Switching Unit On

1. There are two power cables with each scanner, one for printer and one for the scanner. Ensure scanner cable is plugged in to wall
2. Turn on unit with power switch located on the back of the unit
3. Unit automatically enters B Mode scanning and is ready to use

### Entering Patient Information

1. Press '**Info**' (3) button at top left of keyboard
2. Move cursor to desired line, using the trackball, and press '**Set**' (27) button
3. Enter desired information
4. To move to another line, roll trackball until cursor appears and press '**Set**' (27)
5. When finished, roll trackball to '**OK**' and press '**Set**' (27) button

### Switching Between Probes

1. Press the '**Exam**' (5) button at the top right of the keyboard. Menu should appear at top right of screen
2. For Abdominal Probe, use trackball and roll to '**Ob**' for abdominal probe and press '**Set**' (27) key
3. For Transvaginal Probe, use trackball and roll to '**Gyn**' for transvaginal probe and press '**Set**' (27) key

### Obstetric (GA) Measurements

1. Obtain desired image of foetus and press '**Freeze**' (19) button
2. Press '**Measure**' (24) button on keyboard
  - ONLY if using vaginal probe: roll to '**Others**' with trackball and choose '**B-MEAS OB**' using '**Set**' (27) key for obstetric choices to become available
3. From the top-right menu, choose desired calculation (such as BPD, CRL etc) and press '**Set**' (27). Mark start and end points of measurements using trackball and '**Set**' (27) key
4. Calculation of GA will then be displayed on the bottom right
5. To return to normal scanning, press '**Measure**' (24) button then '**Freeze**' (19) button



## Obs Reports (worksheets) and Growth Curves

1. With measurements completed, roll trackball to **'Results'** in the measure menu
2. Another menu will appear, choose **'Report'** or **'Growth Curve'** as required

## Zooming

1. Freeze image first, if so desired by pressing the **'Freeze'** (19) key
2. Press the **'Zoom'** (18) button on right of keyboard, zoom LED should be illuminated
3. A Zooming square will appear on screen, move around with the trackball and change size by twisting the zoom knob
4. When satisfied with image, press **'Set'** (27)
5. To exit press the **'Zoom'** (18) button. If you froze the image first, also press the **'Freeze'** (19) button again to un-freeze.

## Cine Function

1. DP-6600 has a 128 frame cine loop capability
2. After pressing **'Freeze'** (19) button, unit is automatically in cine mode
3. Most recent 128 frames can be cycled through using the trackball
4. Current frame is shown at bottom of screen
5. Cine can be played as a loop by pressing **'Cine'** (28) button and choosing **'Review/Stop'** from Freeze menu on top right using trackball and **'Set'** (27) button

## M Mode & Foetal Heart Rate

1. Establish view of foetal heart
2. Press the **'Split M/B Mode'** (14) button
3. Using trackball, adjust dotted line so it passes through foetal heart
4. Wait for a full trace to be displayed on the left side of screen
5. Press **'Freeze'** (19) button
6. Press **'Menu'** (21) button followed by **'Measure'** (24) button
7. Using trackball and **'Set'** (27) key, mark start and end point of two peaks, foetal heart rate will be displayed
8. To exit press the **'Measure'** (24) button, then **'Freeze'** (19) button, then the **'B Mode'** (12) button.

## Saving Images to USB Memory Stick

1. Insert USB memory stick
2. After pressing freeze to secure image, or when finished performing a measurement, Press **'File'** (4) key
3. Roll trackball to **'Snapshot'** and press **'Set'** (27) button
4. **Important:** Press **'File'** (4) key again to exit File Menu (unit won't let you perform any other function without this step)
5. Before removing memory stick, roll trackball to USB symbol on bottom-right of screen and press **'Set'** (27) button. Then select **'OK'** on the pop-up screen

## Printing Images

1. At any time, press the 'Print' (30) button on bottom left of keyboard

## Basic Troubleshooting

- Image Problems
  - Ensure screen adjustment knobs are in the optimum position: two knobs at the bottom of the screen, left knob (brightness) needs to be in 12 o'clock, right knob (contrast) needs to be turned as clock-wise as possible
  - Ensure TGC sliders, top right of keyboard, are all towards the centre but on a slight diagonal (i.e. upper controls slightly to the left, lower controls slightly to the right).
  - Adjust 'Gain' knob to improve brightness as required
  - Ensure sufficient gel between probe tip and condom, and on top of condom
  - **Note:** Some patients are generally not very echogenic and will not produce very clear images
- Unit not responding to buttons pressed
  - When entering a particular menu such as 'File', 'Freeze' or 'Measure', that menu must be exited before performing other functions. Always check the menu that you are in (top right of screen) and press the corresponding button to exit that menu

## Keyboard Map

