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Quick Reference Guide

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mindray ™
NORTH AMERICA

Quick Reference Guide

Getting Started

New Patient
1. Press [Patient], fill in the basic patient information via Touch screen or keyboard.
2. Press [Probe], select probe and exam mode via Touch screen.

Scanning

B Mode
1. Adjust the interested parameters via Touch screen.
2. Rotate the [B/M] knob to adjust the gain.

CDFI/Power Mode
1. Press [Color/Power] to enter Color/Power mode.
2. Move [Trackball] to change the position of ROI.
3. Press [Set] and then move [Trackball] to change the size of ROI, press [Set].

PW/CW Mode
1. Press [PW/CW] to enter PW/CW mode.
2. Move [Trackball] to change the position of sample volume.
3. Change the size and angle of sample volume via Touch screen or its relative knob. Press [Update] or [PW/CW] to get the Pulse Wave Doppler.

Image Adjustment
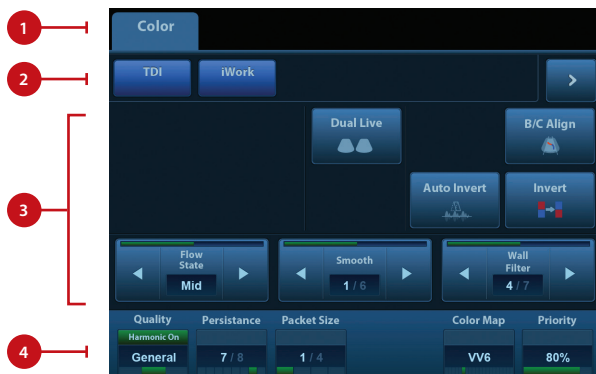
1. Mode displaying areas: Click to display the active imaging mode.
2. Parameter adjusting areas: Display the parameters in the current imaging mode.
3. Knob adjusting areas: Display the knob controlled parameters that can be adjusted by the knobs under the Touch screen.
4. Press [B] knob to return to B mode.

The parameters in B mode: Depth, TGC, Gain, iTouch™, Focus Position, Steer, Image Quality, Tint Map, U/D (L/R) Flip, Rotation, FOV, ExFOV, Image Merge, Dynamic Range, Gray Map, Line Density, Focus Number, iClear™, TSI, Persistence, iBeam™, HScale, Dual live, LGC, A. power (the parameters might be displayed on different pages).

The parameters in Color mode: Gain, Depth, iTouch, Steer, Scale, Baseline, Invert, B/C Align, Dual Live, Image Quality, Flow State, Priority, Packet Size, Color Map, Wall Filter, Line Density, Smooth, Persistence, Velocity Tag (the parameters might be displayed on different pages).

Special Imaging Mode (Optional)

Elastography
1. Select the exam mode (general application for Breast or Thyroid) via Touch screen with any linear probe.
2. Click [Elasto] on the control panel to active the function and press the probe on the target organ.
Note: There is a pressure indicator on the bottom of the screen, make sure the pressure you applied is appropriate so that the pressure bar is indicated in green; otherwise the pressure bar is indicated in gray.
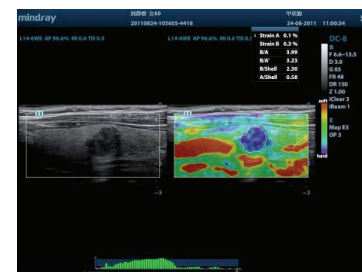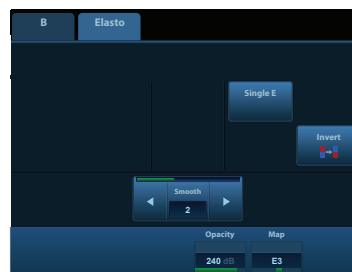
3D/4D
1. Press [Probe], select the volume probe and the exam mode via Touch screen.
2. Click [3D/4D] to enter and adjust the ROI and curve VOI.
3. Click [Start] or press [Update] to enter the 4D image real-time status.
4. Rotate X/Y/Z knobs to adjust the axis of 3D/4D image.
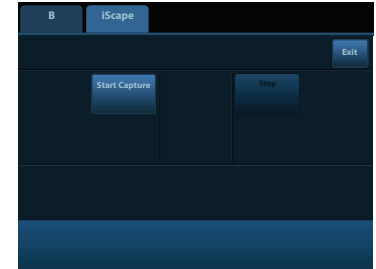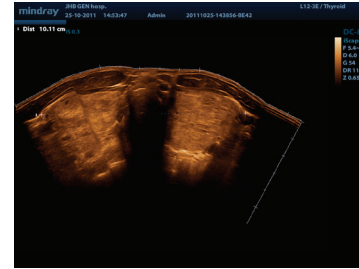5. Adjust rendering method/ layout/parameters via Touch screen.
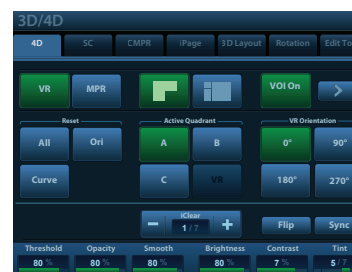
iNeedle™

One button to automatically display the needle more clear with beam steer during the biopsy process.
1. Press [iNeedle] to enter the function mode via Touch screen, parameters will be displayed on the Touch screen.
2. Press [B/iNeedle] to switch to B+iNeedle image or only iNeedle image displayed.
3. Press [Needle Steer] to adjust steer angle.

Tissue Doppler Imaging

1. Press [TDI] to enter the corresponding TVI mode, parameters will be displayed on the Touch screen.
2. Press [M] button to enter TVM mode; press [PW] button to enter TVD mode; press [Power] to enter TEI mode.

Free Xros M

1. In real-time B mode or M mode, adjust the probe and image to obtain the desired plane, or select the B mode cine file to be observed.
2. Click [Free Xros M] on the Touch screen to enter Free Xros M Mode.
3. Adjust the sampling line to obtain optimized images and necessary information.
4. Move trackball to change the sample line position and rotate the [Nav.] Knob to change the angle. Shift the different line with [Set] button.
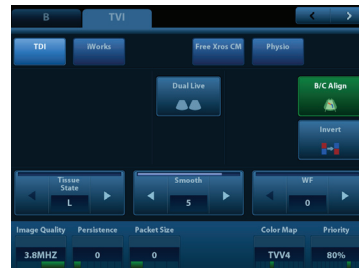

iScape™

1. Connect an appropriate iScape-compatible transducer.
2. Press [iScape] to enter iScape mode.
3. Click [Start Capture] on [iScape] page tab on Touch screen or press [Update] on the control panel to begin the capture.
4. Click [Stop Capture] on [iScape] page tab on Touch screen or press [Update] on the control panel to stop.

Measurement

1. Press [Measure] to enter the application measurement status; Press [Caliper] to enter general measurement.
2. Move the cursor or via Touch screen to choose the measurement tool, and then go to the desired position to measure.

Post Scanning

Comments and Body Marks

Comment
1. Input words directly. Or press [Text] to change the comment setting position and add the comment to the image.

Body Mark
1. Press [Body Mark] and choose the desired one via Touch screen.
2. Move [Trackball] to place the probe marker and rotate the [Multi-functional Knob] to adjust the orientation of the probe.

Save Images or Cine

1. Press [Save1] or [Save2] to save a single-frame image or cine to the system.
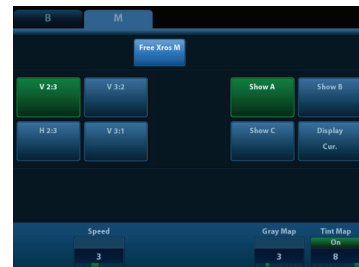
Report and Print

1. Press [Report], move the cursor to the comment text box and type the text.
2. Click [Image Select] on the [Report] page to add images, and then click [Print View] to preview, click [Print] to print.

End Exam

Press [End Exam] to end one examination. You may start a new exam by repeating the instructions above.

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Image Management

Image Transfer

1. Press [iStation™] to enter image management and select the image to send to USB, DICOM, etc.
2. Or, Press [Review] and select the image to send to USB, DICOM, etc.

Note: For detailed information, please refer to the operation manual.

1	Monitor
2	Touch screen panel
3	Main control panel
4	Storage compartment
5	Physio panel
6	Probe sockets
7	Caster
8	Compartment
9	Articulating arm
10	Rear handle
11	Color video placing table
12	Hanger
13	I/O Panel
14	Power supply panel
15	USB_MIC port
16	DVD-RW
17	Ultrasound gel holder/gel heater
18	Pencil probe holder
19	Probe holders