

ClearProbe

Abdominal

Manual



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Recognized as one of the top ten innovations of the year by the International Academy of Science, the ClearProbe™ Abdominal Ultrasound is the first ultrasound probe that plugs directly into your laptop, turning almost any computer into an ultrasound imaging system. Application-specific probes for abdominal scanning, vascular access, transvaginal and transrectal scanning, and more.



USB Drivers Installation

(Windows XP and Vista) After the software has been installed, connect the USB probe to one of the USB 2.0 ports. Windows will display the message “Found New Hardware” when the probe is inserted.

This process will occur twice because the hardware being installed requires that Windows finds two (2) USB 2.0 devices within our product. This is a normal operation. Once this installation process has run twice, the system is ready to use.

Note: With the Windows Operating System, you will get a message asking if you want to “Stop Installation” or “Continue.” Click “Continue Anyway.”

When the installation is complete, click on “Finished.”

Note: With Windows XP, you must repeat this process for every USB 2.0 port you intend to use. With Windows Vista, you only need to complete the Drivers Installation process once.

Windows 7: Note: When installing SeeMore software on a Windows 7 system, after the software is installed and you plug in the probe for the first time to install the drivers, unlike with XP, you will not get a message on the screen asking you to click through for the drivers installation. With Windows 7, driver installation happens automatically. What you will see is a message that says “Unknown hardware detected.”

You must wait (up to several minutes) while the drivers are installed, and then you will see that the probes are recognized by the system.

You are now ready to scan. Plug in your probe. Double-click the new SeeMore icon on your desktop. The software will load and start running on your system.

Trouble shooting note:

Very rarely will you not get a normal image to display on your screen when you activate your probe. In the case that you see only squiggly lines are a very grabbed image, this can be fixed by going to Windows setting/control panel/display. Click on the settings tab. Make sure color quality is 32 bit and screen resolution is at least 1024 x 600. Click on the Advanced tab. Check the DPI (dots per inch) settings. The image size should be set to normal size, 96 DPI.

Care and Handling of ClearProbe

Although ClearProbe Abdominal is very durable, reasonable care must be taken to avoid damaging it. Handle the membrane of the tip of the probe and the cable attachment at the other end of the ClearProbe with care. Keep the probe membrane away from sharp objects to avoid damage. Clean and store the probe in its padded case. This will protect the probe. Your probe should give you many years of reliable service if these simple precautions are followed.

To clean the ClearProbe between uses, wipe with a soft, non-abrasive cloth using whatever standard cleaning agent you use in your practice. In the case of sterile procedures, a sterile drape and sterile gel should be used. For endocavity scanning, a clean/nonsterile drape or condom covering may be used.

Note: Do not plug in the ClearProbe Ultrasound until the software has been installed.

Minimum System Requirements

- Computer Operating System: Windows XP, Windows 7, Vista, or Mac (running Windows)
- Processor: 1GHz Minimum
- Memory: 512 K (recommended 1 GB or more)
- USB 2.0 port
- Minimum Display: 1024 x 600 with 32 bit color



Basics

Image Controls:

Intensity - The intensity control adjusts the overall intensity, or brightness, of the image.

Contrast - The contrast control adjusts the overall contrast of the image.

ClearProbe Controls - The control settings also allow you to select the probe to use, select from the available pulse frequencies and/or depth modes, and to adjust the pulse power. Depending on what probe(s) you have attached to the system, the available selections will vary.

Frequency - Each probe has a center frequency, but since our probes have wide-band transducers, they can be pulsed at higher frequencies to give better resolution (with the trade-off of less penetration).

Depth - The displayed depth can be changed, and choices vary with the pulse frequency you chose.

Saving and Viewing Images

There are two ways to save exams:

Stat Exam - When you do an exam without first creating a new patient on the “New Exam” tab, any images you save will be stored in the STAT Images Folder.

New Exam - First create a study within the New Exam tab by filling in patient information and clicking on “Start Exam.” A folder with the patient’s last name is automatically created, and all images saved during the study are located there. Click the “Stop Exam” button at the conclusion of the study.

Managing Images (View, Print, Export)

To print the currently displayed image, select the “Print” command from the pull down file menu on the top left of your screen. In order to view, print, or export saved images, minimize the SeeMore application and click on the SeeMore Data folder on your desktop. The JPG images can be viewed with any standard image viewing software. You may send them to an external drive or attach to emails using the Windows “Send to” command (right click on image and select “Send to” option).

Abdominal Probe (3.5MHz)
1st Trimester Fetus



Peripheral Probe (7.5MHz)
Carotid/Jugular



Abdominal Probe (3.5MHz)
Liver/Kidney



Abdominal Probe (3.5MHz)
Bladder



Quick Start

After the software has been installed, connect the ClearProbe to a USB 2.0 port on your system. Launch the software by double clicking the SeeMore shortcut icon on your desktop. You will first see the “Auto Scan” tab. You may adjust gain and contrast from this window. You may switch between “Freeze” and “Scan” by a) depressing the orientation button on the probe; b) pressing the space bar on your computer; or c) clicking on the green freeze/scan arrow on the bottom left on the User Interface screen.

Imaging Window User Interface Window



On the left side is the Imaging window. This displays the ultrasound scan, and includes other information about the scan. On the right side of the screen is the User Interface Window. It contains a number of tabs that allow the user to set preferences and conduct the ultrasound exam.

There are five tabs in the User Interface Window:

- Preferences Tab (Pref Tab)
- New Exam Tab
- Advanced Scan Tab (Adv Scan)
- Measure Tab

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