

U-LITE EXP[®]



U-lite Quick Start Guide
Rev 5.1
20/05/2020

CE₀₁₉₇



Your strong back partner....

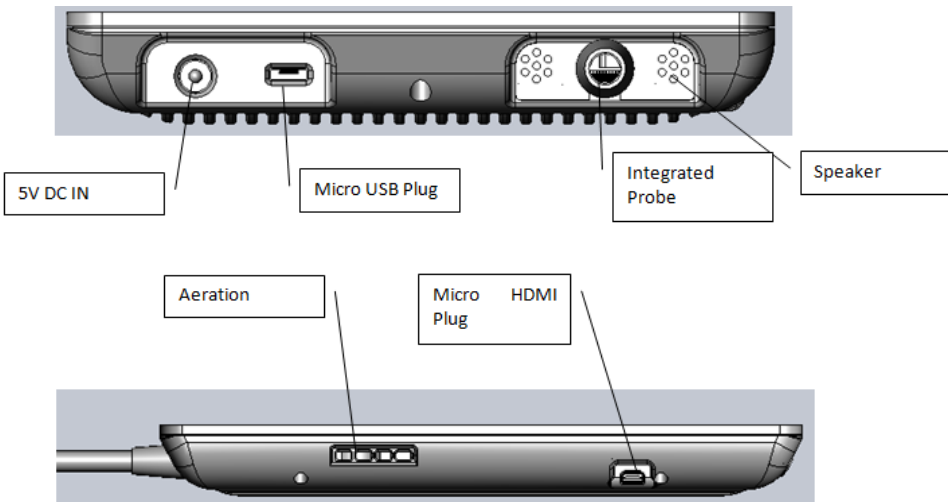
Chiroform Ltd • Mariendalsvej 22
8800 Viborg • Denmark
Tel: +45 86613611
chiroform@chiroform.dk
www.chiroform.com



*Follow instructions for use contained in Operation Manual
Read and understand all instructions in the Operation's Manual
before attempting to use the ultrasound unit.*

The Basics -External:

The Basics -External:



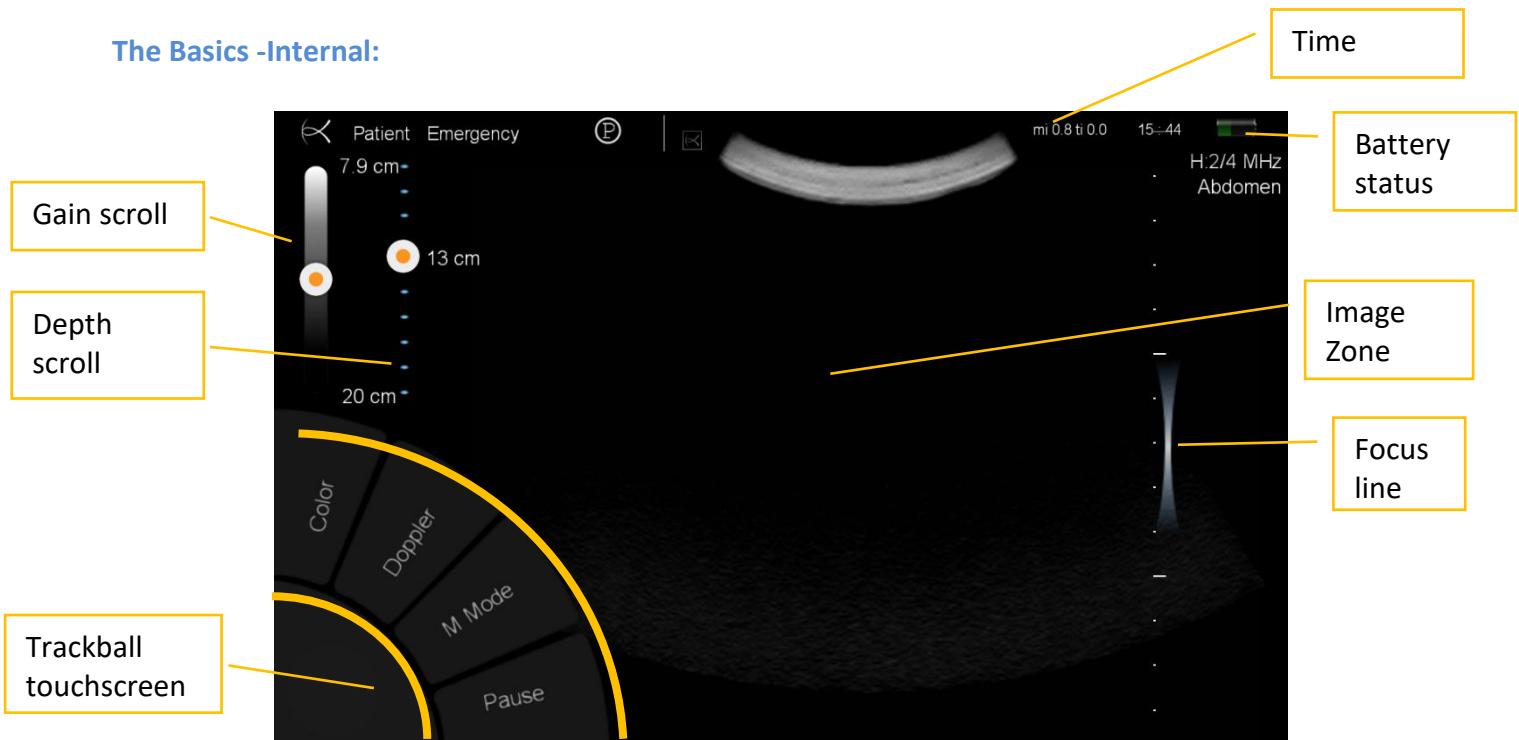
The Basics -Start / Stop:

Press the button on top right of the device to switch it on.
Press it for 2 seconds to switch it off

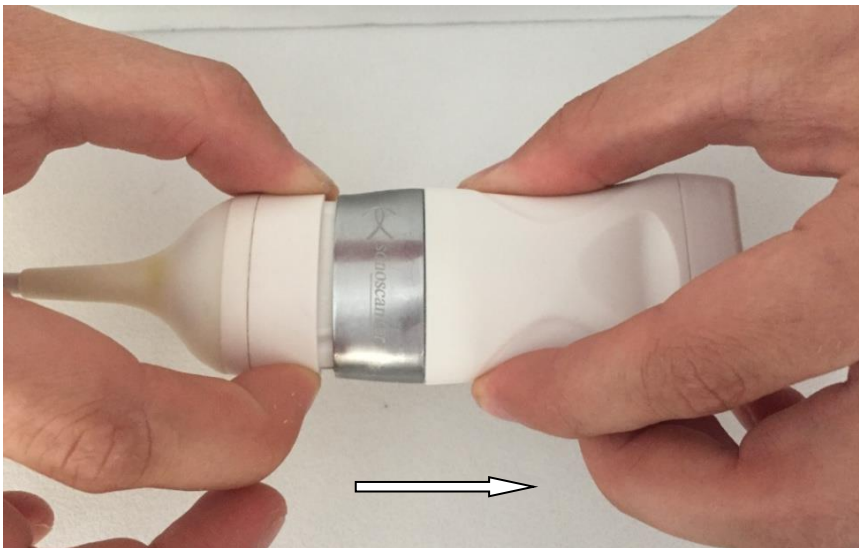
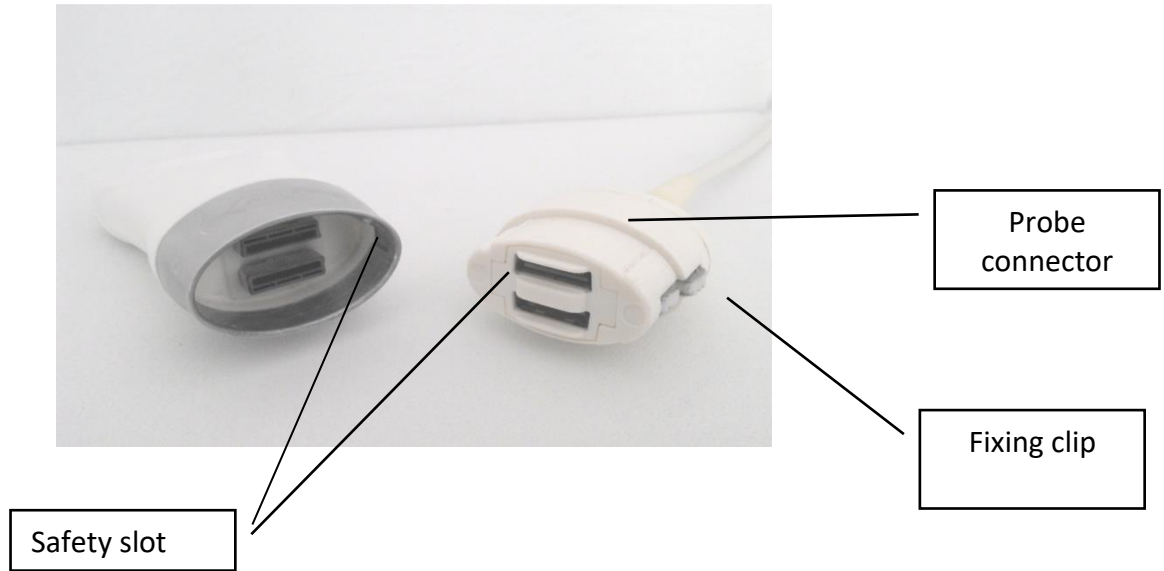
NB: system goes automatically to sleep mode after 2 minutes of non-use to save power.

In case of trouble, maintain the switch button pressed for 20 seconds to switch it off completely. Wait 1 minute before starting it up again.

The Basics -Internal:



Basics – Probe Change :

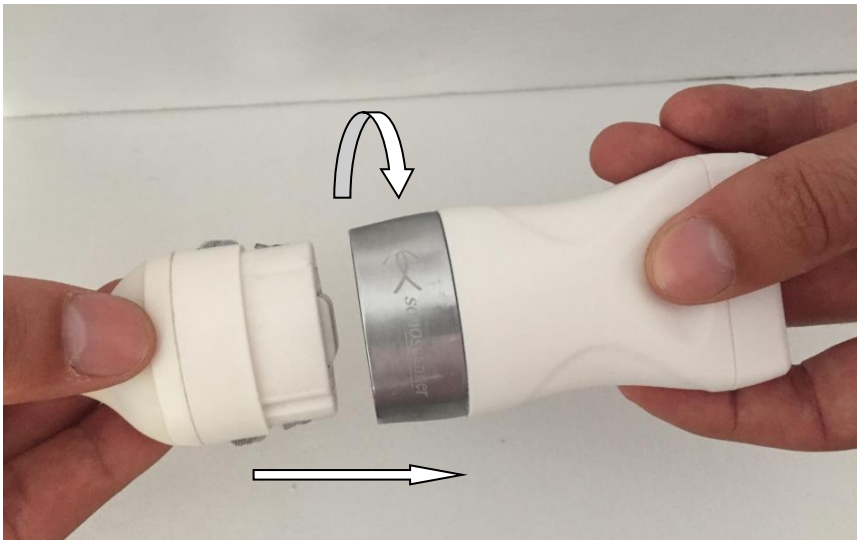


Probe Change 1/2 :

On the acquisition page, click on 'Pause'.

Maintain the two fixing clips pressed and pull off the probe.

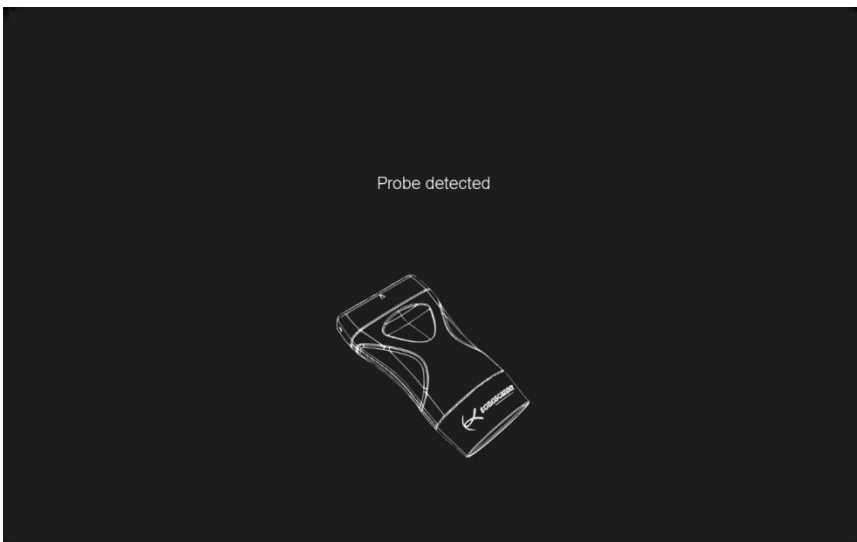
The message « connect a probe » appears on the screen.



Probe change 2/2:

Select the probe to connect and insert it in the connector. You must hear a « click » that indicates the probe is well fixed.

Do not force, there is a safety slot. Check that you are in the right way, otherwise rotate the probe.



The message « Probe detected » appears on the screen.

Click on 'Scan' to go back in acquisition.

NB: U-lite EXP recognize automatically all probes and presets for each probes.

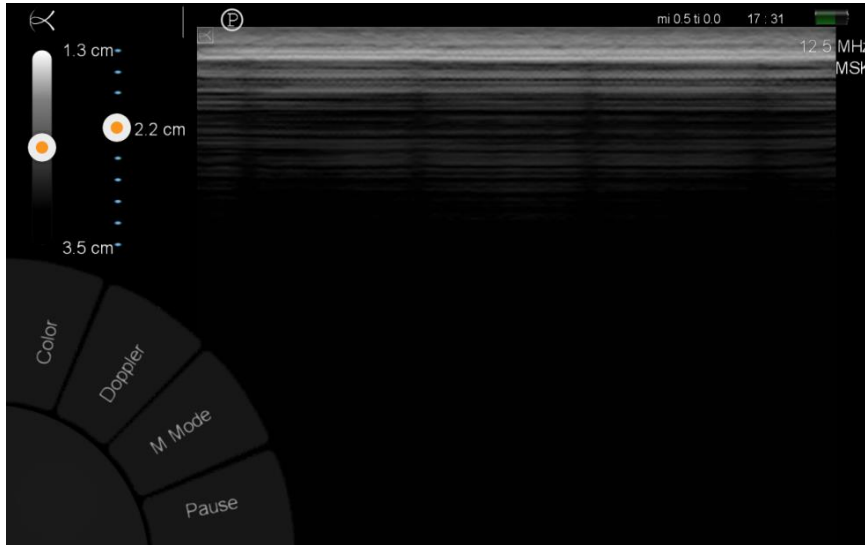
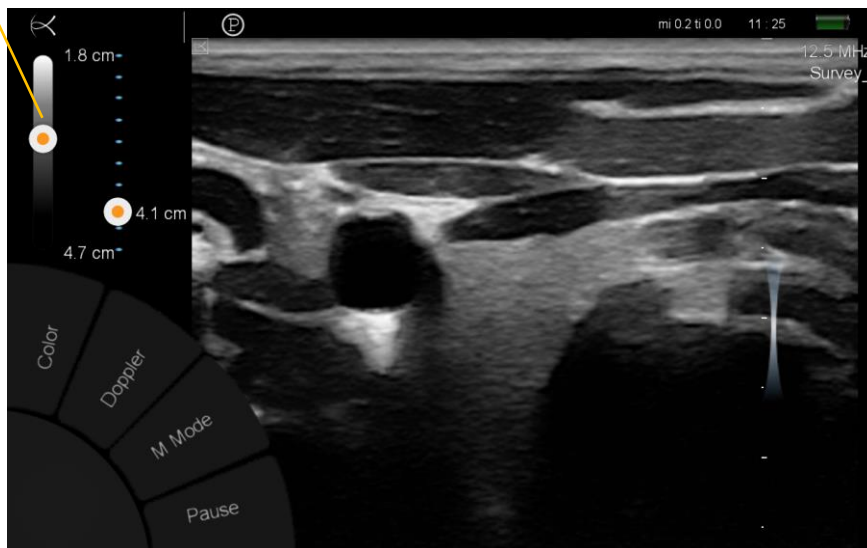


Image Acquisition

Once the probe is connected the U-lite starts scanning automatically.

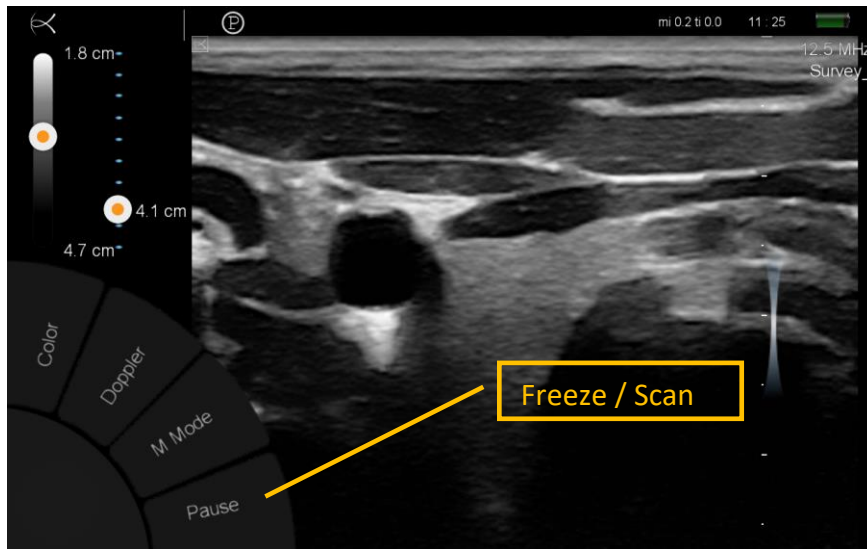
Gain



Gain Adjustment:

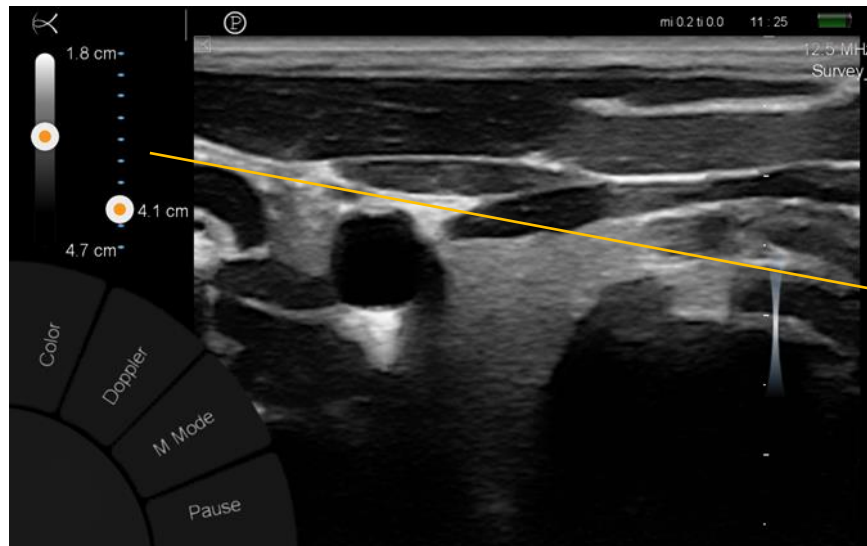
Scroll the grey scale to adjust BW gain in BW live Mode only

NB: similar function is available in Color mode, with the Color Doppler Gain.



Pause (Freeze):

Press **Pause** button to freeze the image
Press **Scanner** button to scan

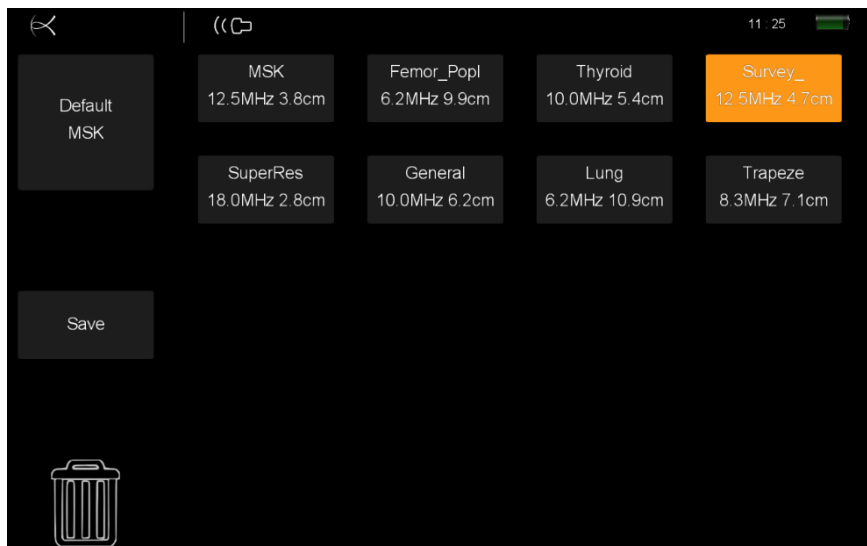


Depth Adjustment:

Adjust the depth using the left scroll bar, displaying the available depth range.

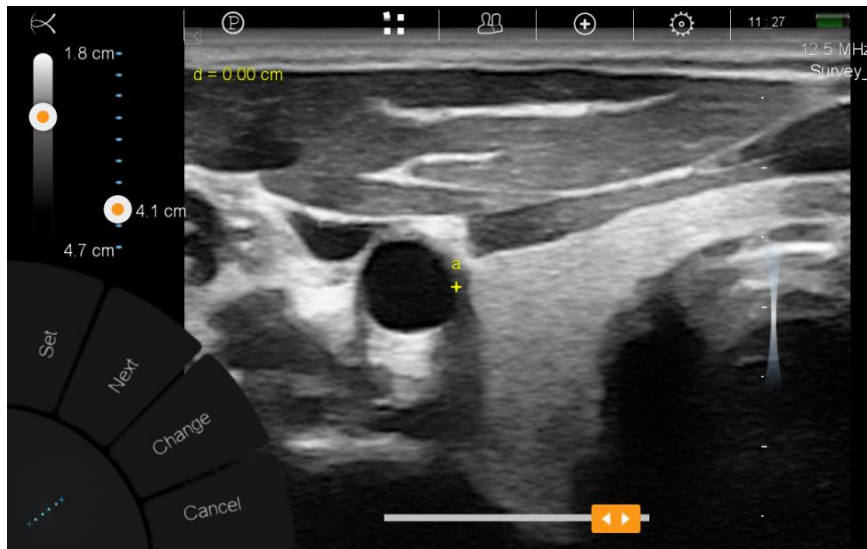
NB: the available depth range depends both on the Preset and on the probe

Depth



Presets Adjustment:

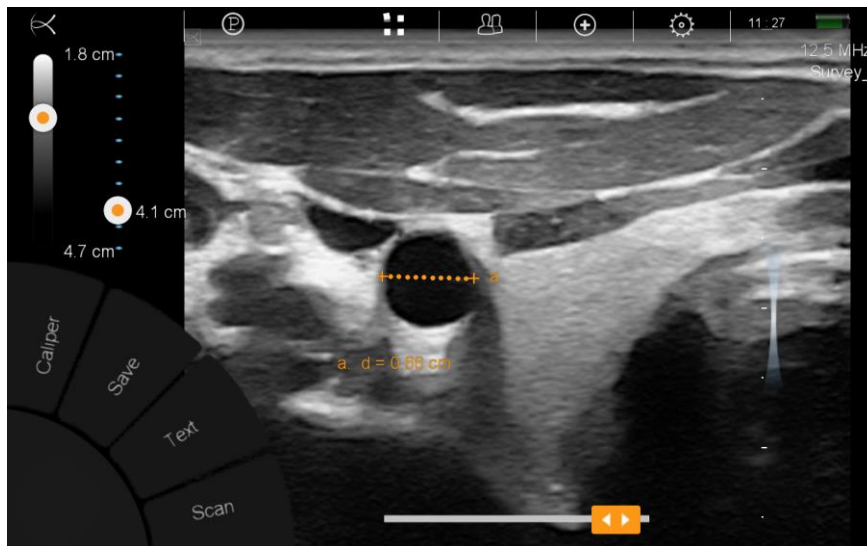
Click on Preset **P** to choose the best image setting. The active setting is displayed in orange. You can choose your default setting by dragging the Preset to the **Default** case.



Measures(1/3):

Once Pause is pressed, "Caliper" button appears.

Press on it, a caliper appears on the image.

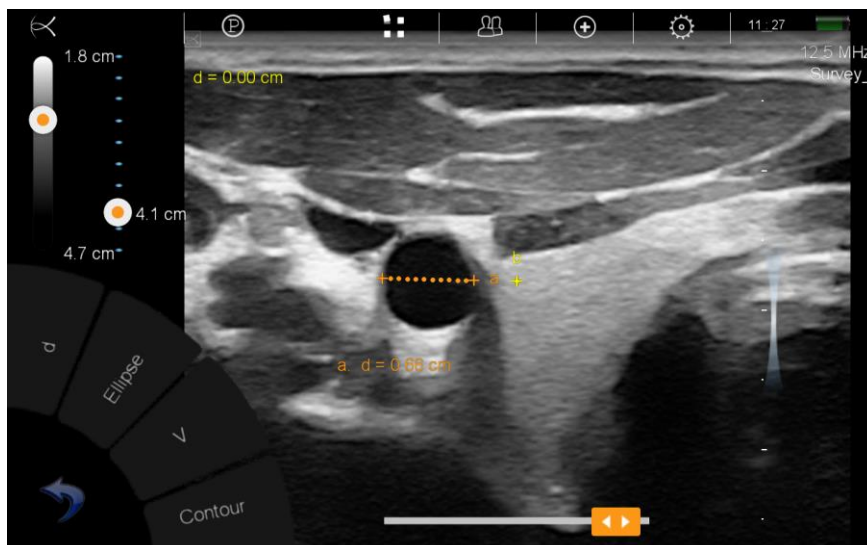


Measures(2/3):

Using your finger, make the measurement directly on the image.

You can also use the trackball zone for more precise measurement.

"Set" validates the measurement, "Next" toggles between points.

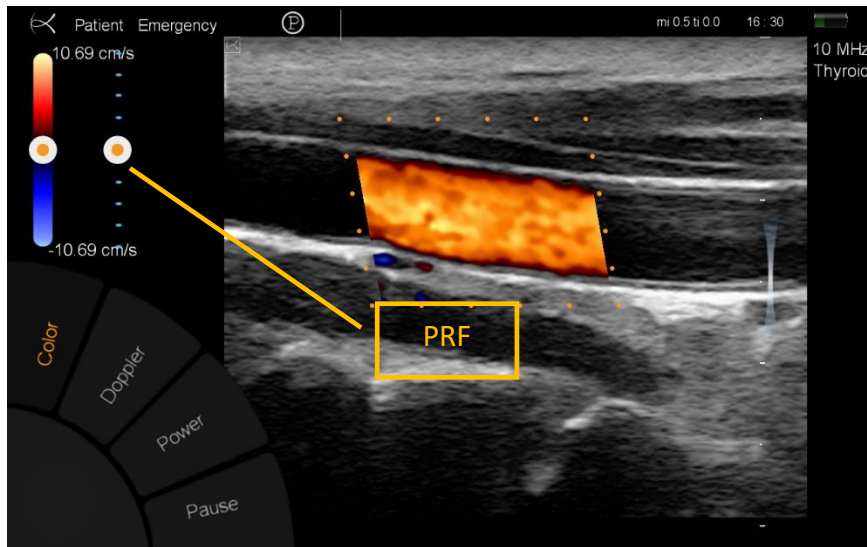


Measures 3/3:

When pressing "Change", you have access to distance, ellipse and volume measurements.

"Set" validates the measurement, "Next" toggles between points.

NB: The volume measurement is made with 3 distances and therefore 2 images.

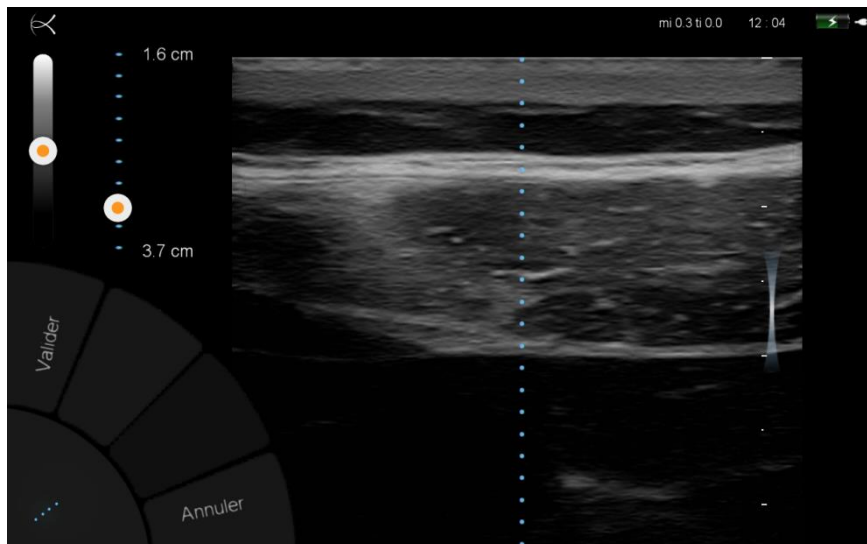


Color Doppler:

Press "Color".

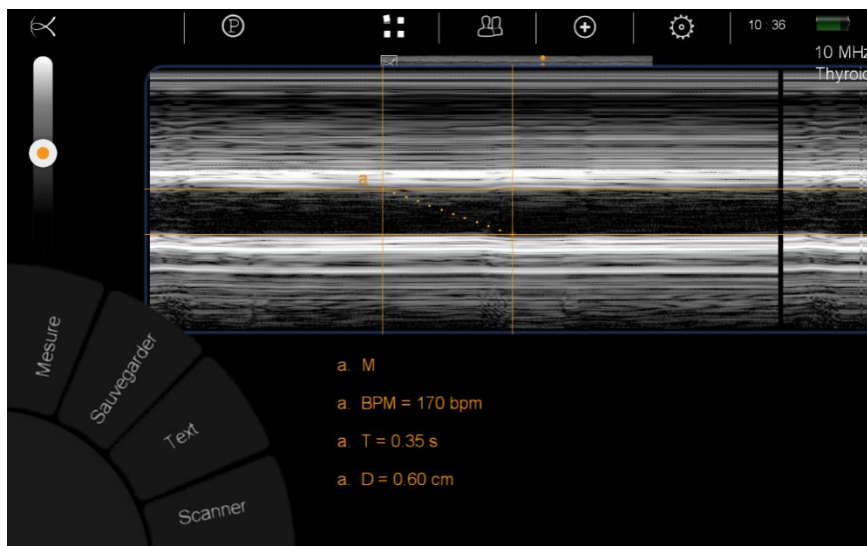
A color box appears on the screen. Place the color box in the region of interest, either touching directly on the image or using the trackball zone. On color Doppler mode, the depth scroll becomes a PRF scroll.

NB: When using a linear probe, you have access to advanced functions like Steering by pressing on the right/left side of the Color Box.



M Mode :

Click on M Mode. A line Time/Movement appears on the screen. Move this line to the region of interest either touching directly on the image or using the trackball zone. Click on 'Set' to start the acquisition in M Mode.

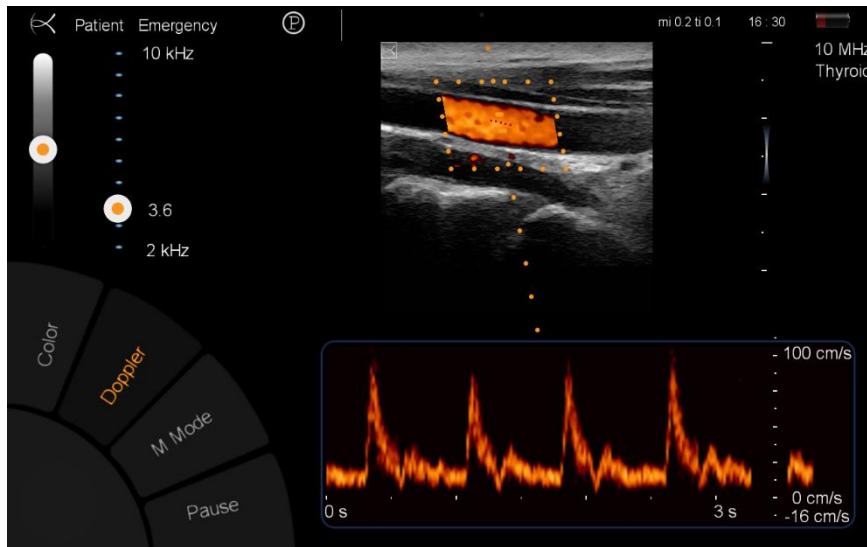


M Mode active:

Once the image is frozen, you can press caliper tab. Place both calipers on time movement profile for the measurement of distance and time between the two points and heart rate.

NB: For heart rate you must place both calipers on only one period.

a. M
 a. BPM = 170 bpm
 a. T = 0.35 s
 a. D = 0.60 cm



PW:

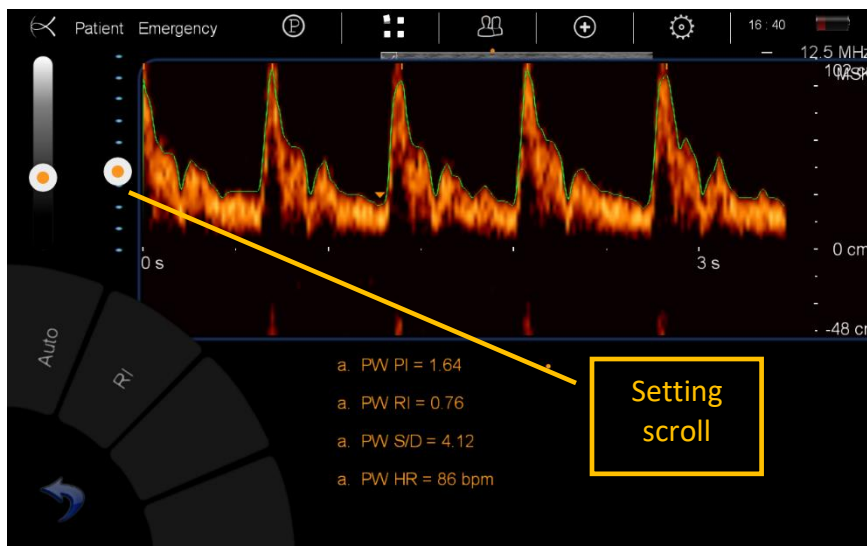
Press Doppler.

A PW Doppler line appears on the screen.

Place the PW Gate in the region of interest, either directly either using the trackball.

Once location is set, PW modes starts.

NB: If you were already using Color Doppler and you had applied Steering, when activating PW the line will have the same Steering.



PW active

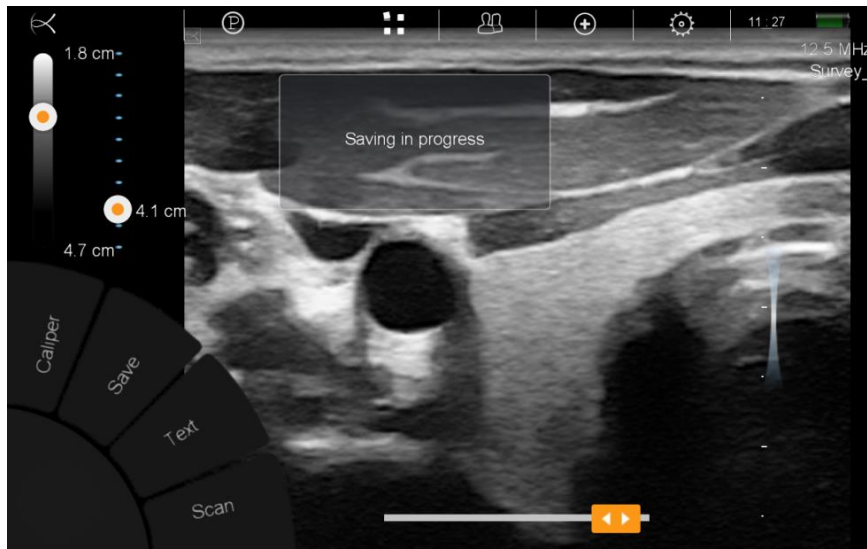
When scanning, scrolling bar on the left will allow you to change the PRF.

Once the image is frozen, you can press Measure tab to make automatic calculations (RI, PI, S / D, HR).

When frozen, scrolling bar becomes an Angle Correction Scroll.

PW Adjustment:

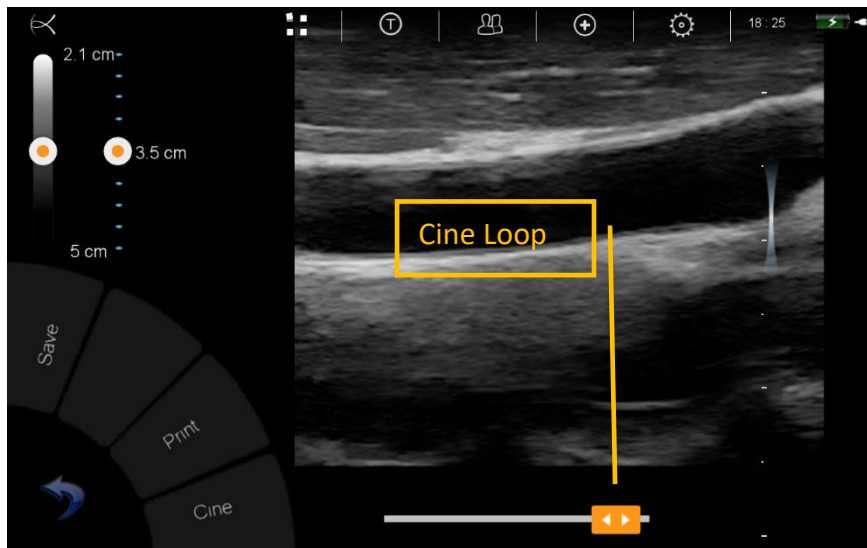
The spectrum inversion is automatic.



Save (1/2): Save images

Once Pause is activated, it is possible to store image by pressing **Save**.

NB: It is possible to customize the Data button default action.



Save (2/2): Save video

A long press on the **Save** button allows advanced options such as print if printer has been ordered. To save video click on **Cine**.



Cine Loop:

Once Pause is activated, a white line appears on the bottom of the image with an orange cursor.

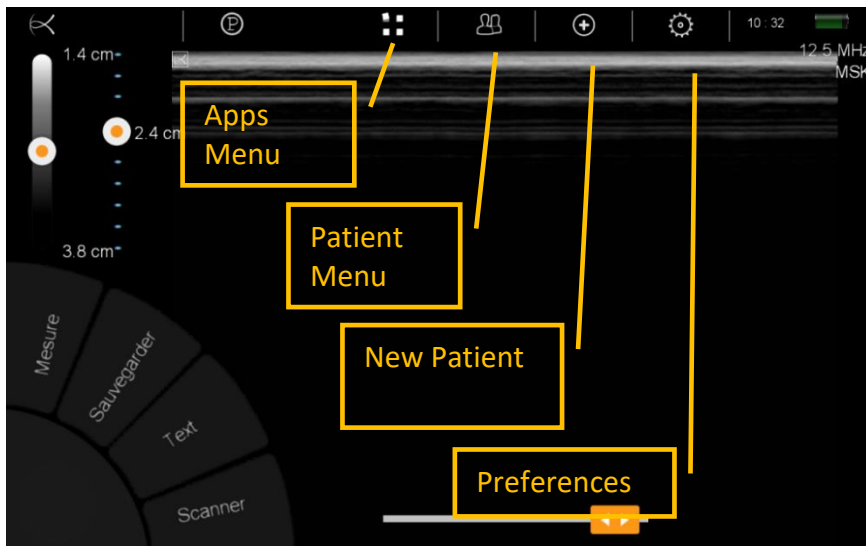
Move the cursor with your finger to change the selected image.



Zoom / Pan:

Pinch the image in BW mode, either live or paused to zoom.

Click and slide the image in BW mode, either live or paused to shift it.



Generality:

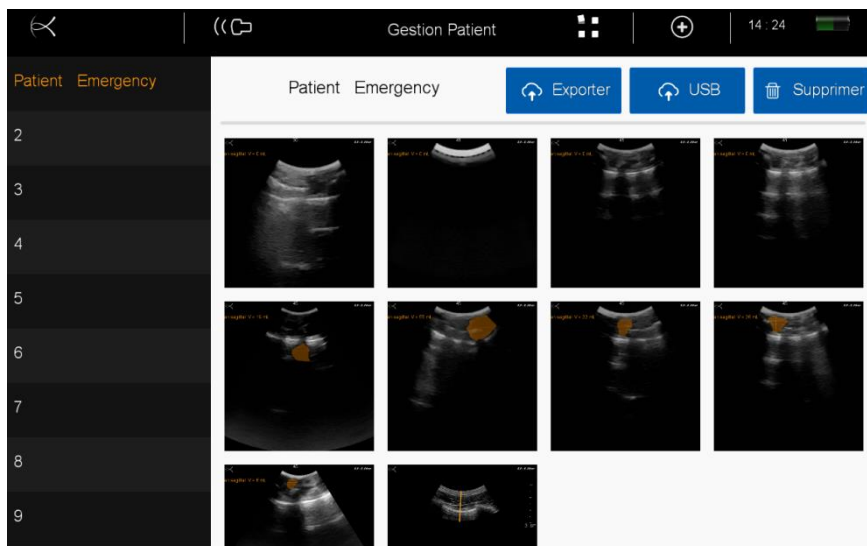
It is possible to **choose apps, review patient, create new patient**, export the patients to your Sonoreplay account and **Set your preferences**.

NB: Configuration of Wi-Fi and Sonoreplay account are both mandatory to push images.



Patient Menu (1/2) – Load image:

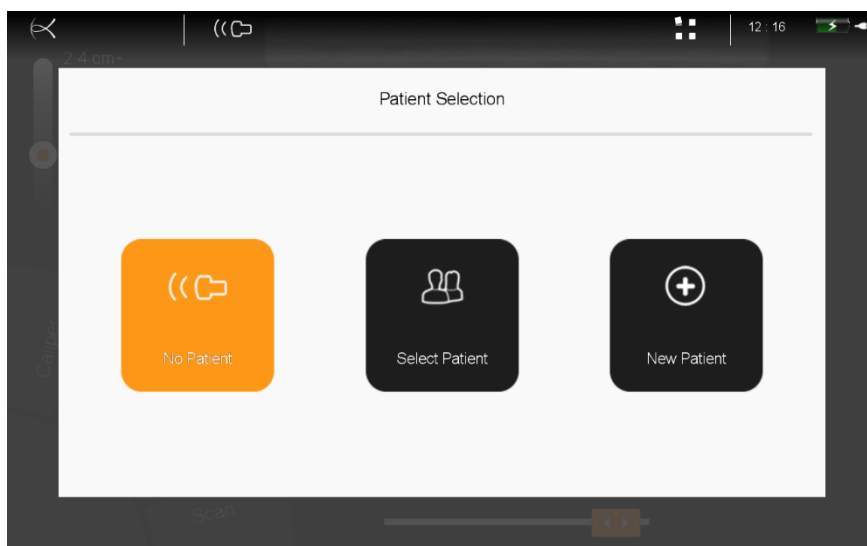
Once entered in the Patient management menu, click on the image to enlarge it or slide it to display the others.



Patient Menu (2/2) - Export:

Press Export to push the currently selected patient to your Sonoreplay account.

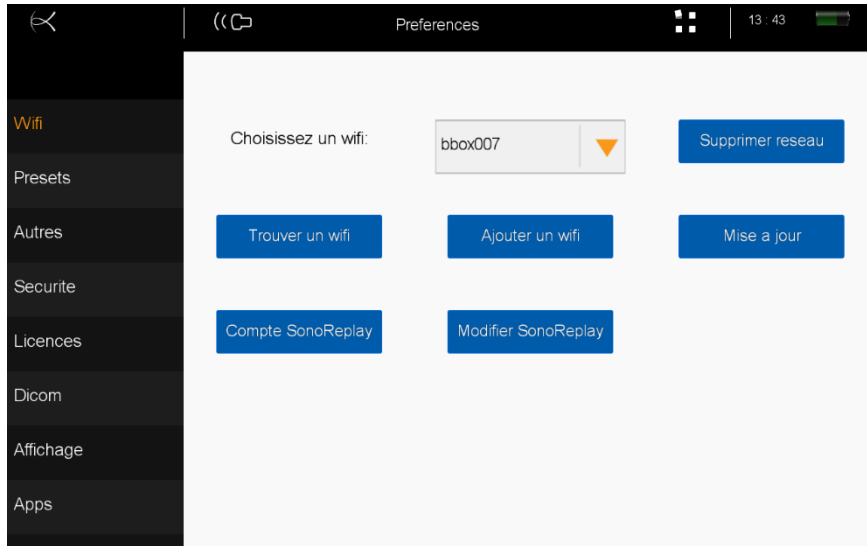
Press USB to push the currently selected patient to an USB key via a Micro_USB/USB adapter.



New Patient:

Once new patient is selected this screen appears.

It is possible to enter first name, last name and patient ID. It is also possible to start an exam without creating a patient.

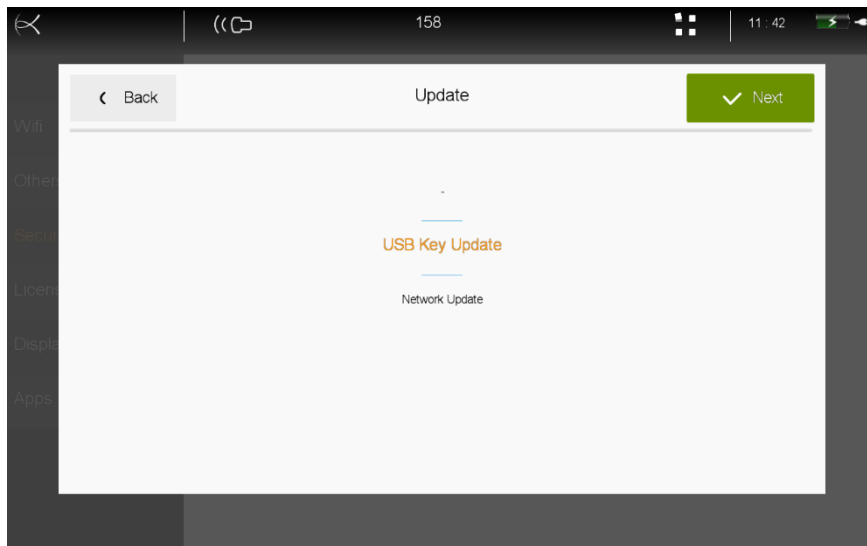


Wifi / Sonoreplay account:

In the preference menu, it is possible to connect a Wi-Fi network.

From this page you can also create your Sonoreplay account.

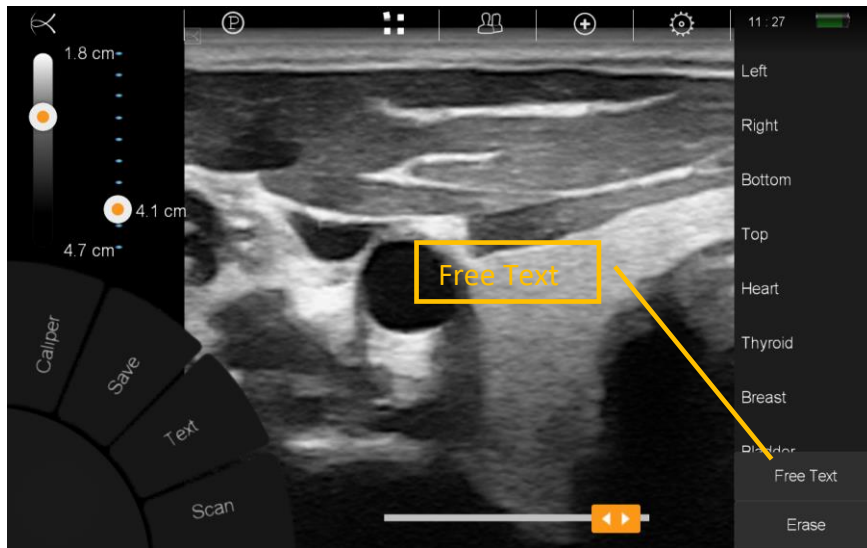
NB: Some Smartphones offer internet sharing services through Wi-Fi. It works fine. Ask us for assistance if needed.



Update:

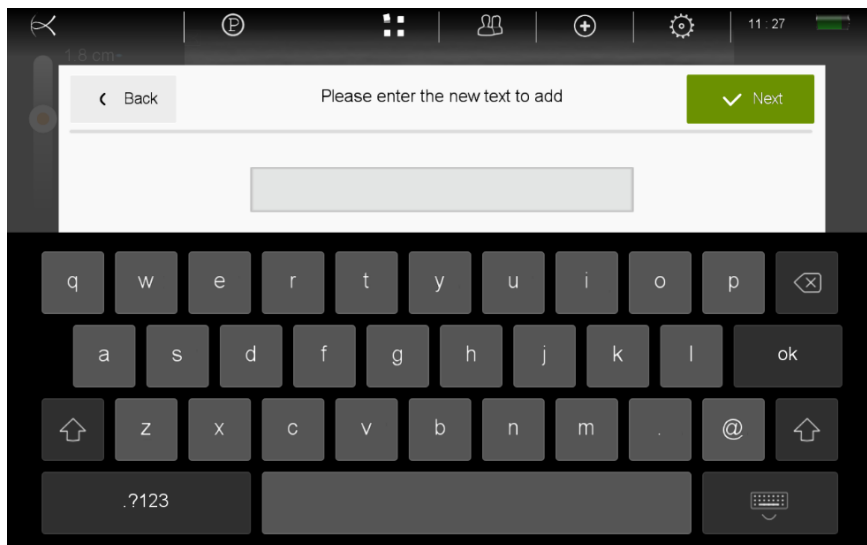
You can enjoy the new updates for the U-lite EXP by pressing Update from the previous menu.

Contact your representative Sonoscanner before any update.



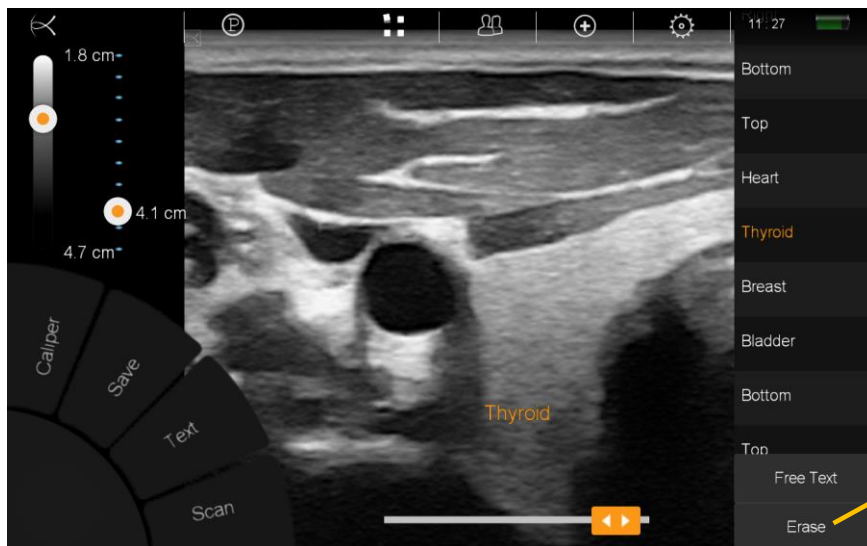
Add Text (1/3):

Once you have clicked on the Text logo you can add pre-edit text by presing on the text in the right column or write your own text by touching on Free Text.



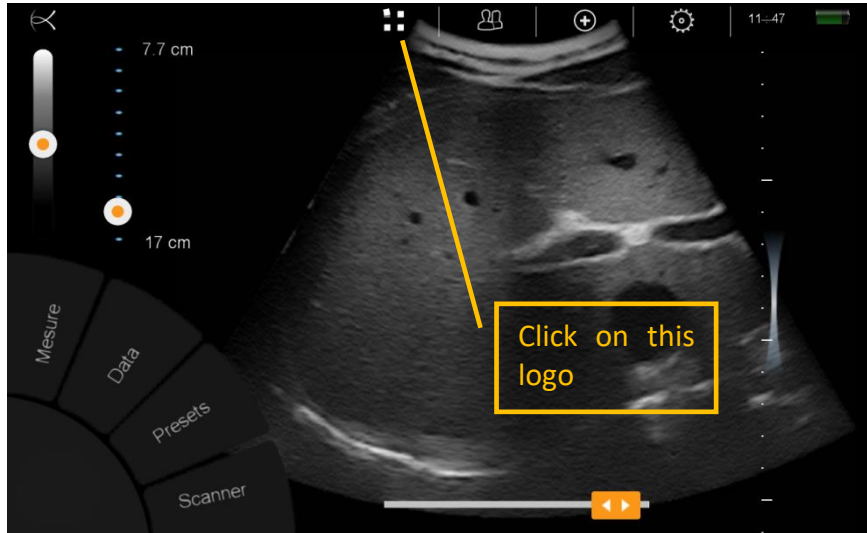
Add Text(2/3):

When you click on **Free Text** you access this menu. The entered text must be between 3 and 13 characters long. Click on Next to validate your text.



Add Text (3/3):

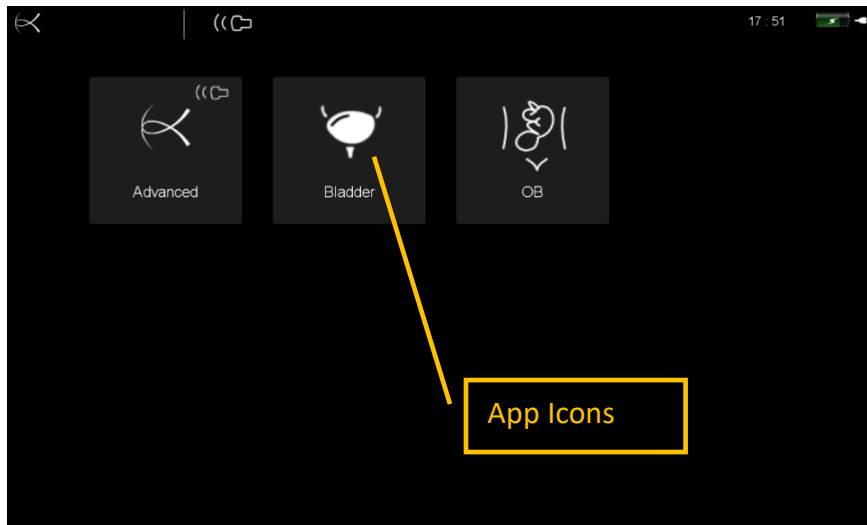
To delete the text from the acquisition screen, click **Erase**. To permanently delete text created with Free Text, press and hold the word for 3 seconds.



Access the Apps:

To switch between activated Apps, just click on Dashboard logo on the middle top of the screen

NB: If only one application is active, the icon does not appear. To activate multiple applications, please contact a member of Sonoscanner.



Select the App:

Click on the icon of the App you want to use.

After a reboot, the last App used will start.



SONOSCANNER
Premium Diagnostic Ultrasound



Your strong back partner.....

Chiroform Ltd • Mariendalsvej 22
8800 Viborg • Denmark
Tel:+45 86613611
chiroform@chiroform.dk
www.chiroform.com
