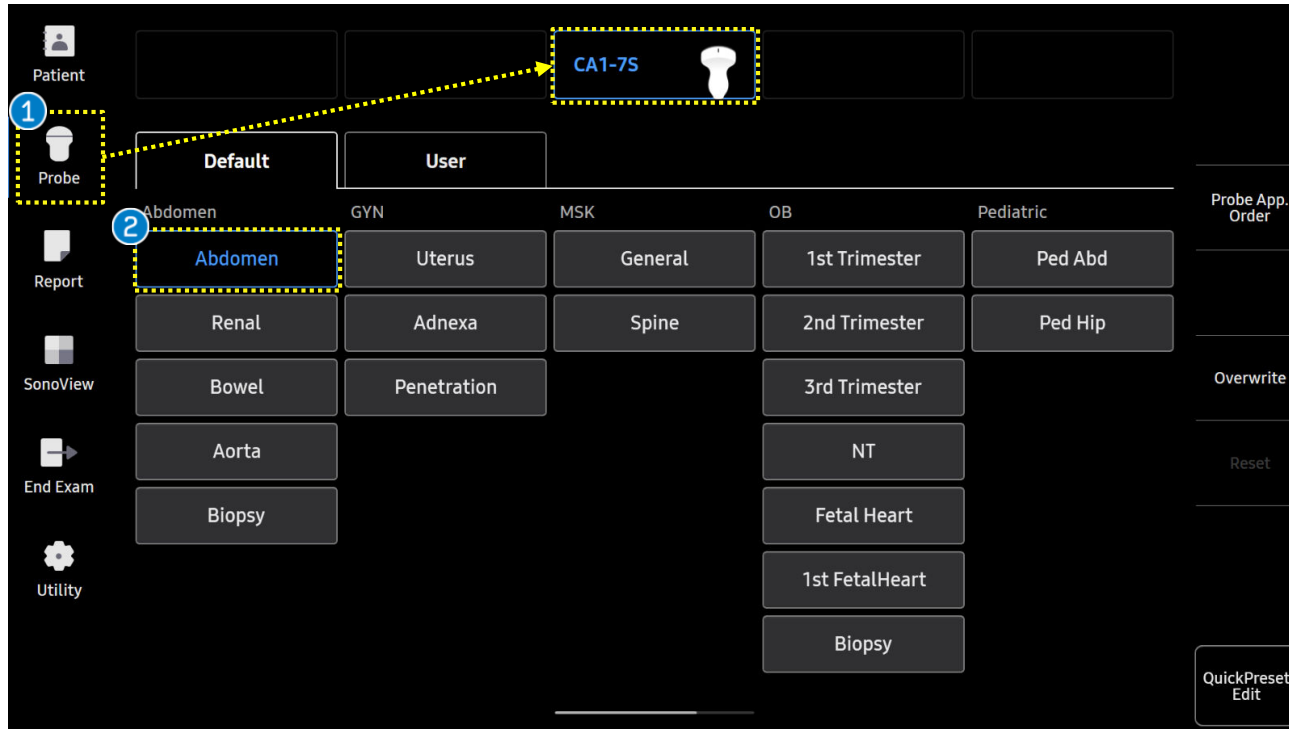


Live LiverAssist™

R20 Quick Guide



1. Probe and Preset



※ Only available in CA1-7S, Abdomen Preset

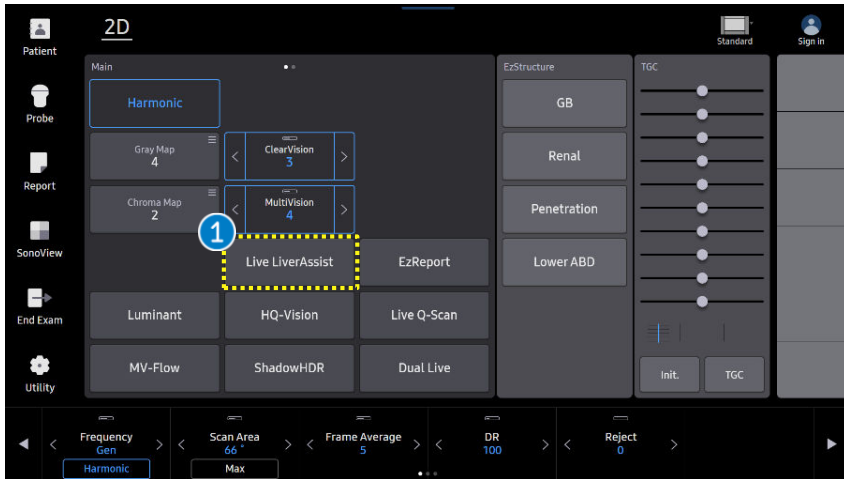
1 Probe

After pressing the [Probe] button, select the CA1-7S Probe.

2 Preset

Under Application Abdomen, select the [Abdomen] Preset.

2. Start to Live LiverAssist™



1 Start

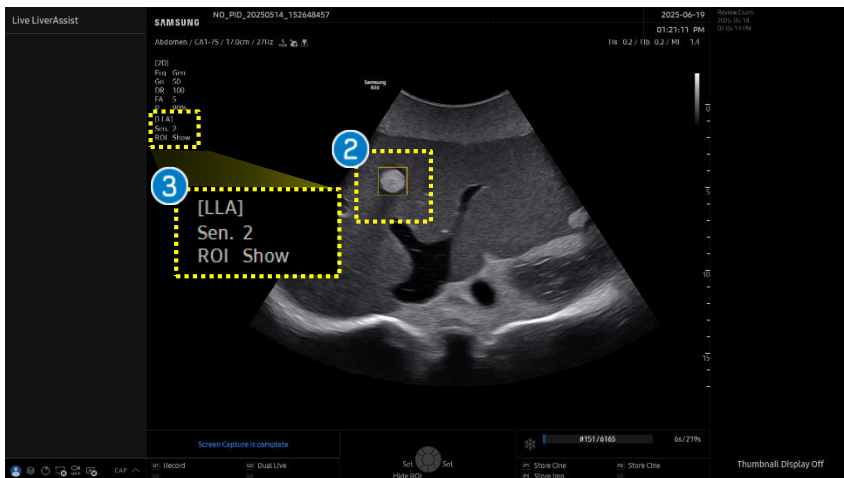
Select [Live LiverAssist] to start.

2 ROI Detection

While scanning, suspicious lesion will be indicated with an ROI box.

3 Display [LLA]

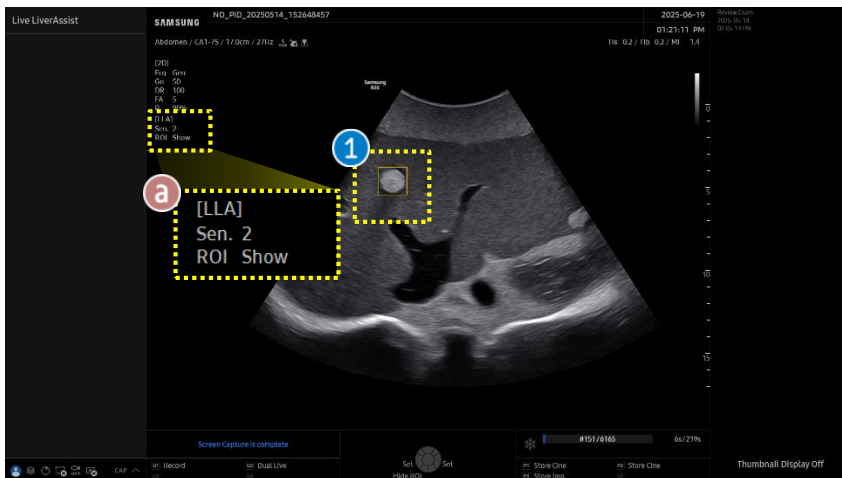
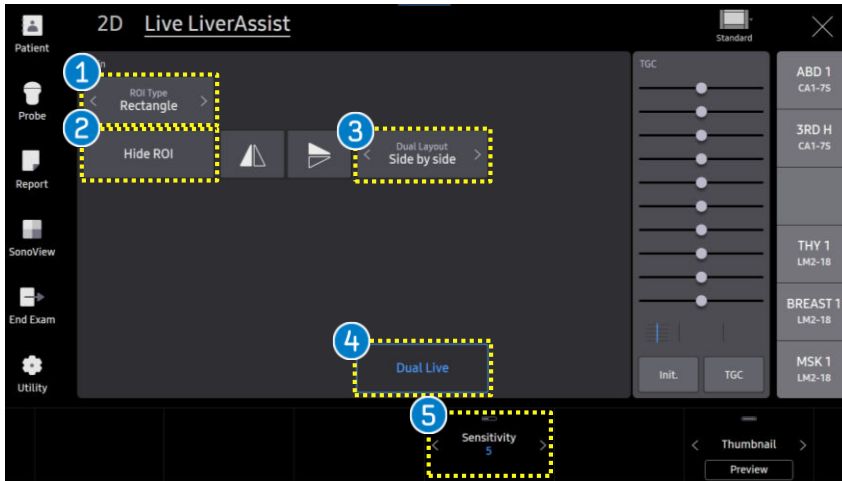
Live LiverAssist running status will be displayed on the monitor. Sensitivity Level, Hide ROI On/Off status are also displayed.



※ Detectable Lesion

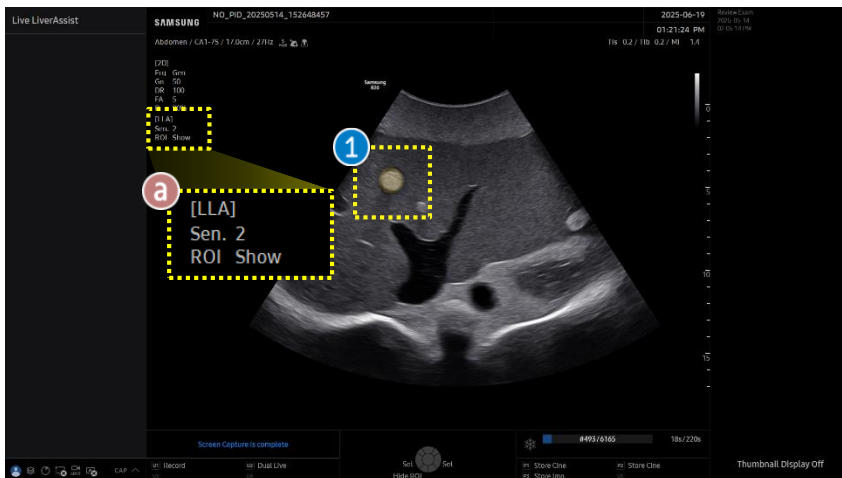
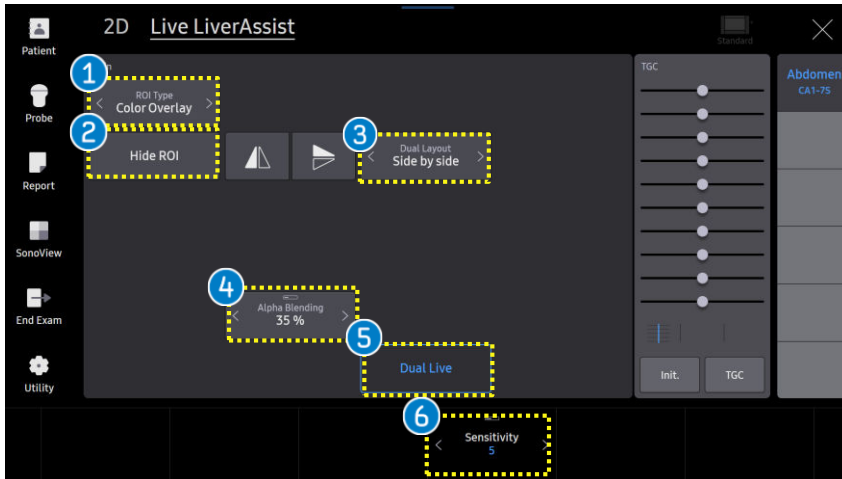
- Hemangioma
- FNH (Focal Nodular Hyperplasia)
- HCA (Hepatocellular Adenoma)
- Focal fat deposition
- Focal fat sparing
- Liver/Eosinophilic abscess
- HCC (Hepatocellular carcinoma)
- Intrahepatic cholangiocarcinoma
- Metastasis

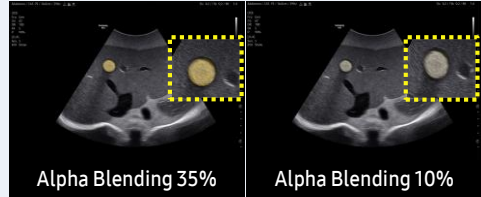
3. ROI Type(1) - Rectangle



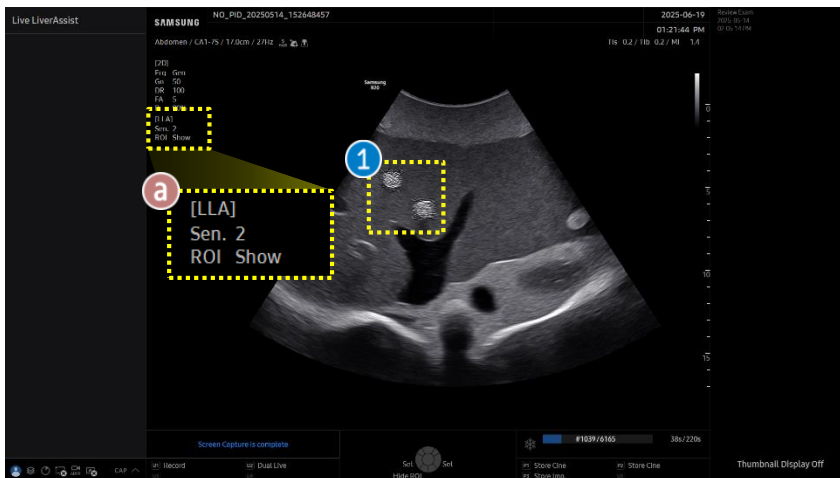
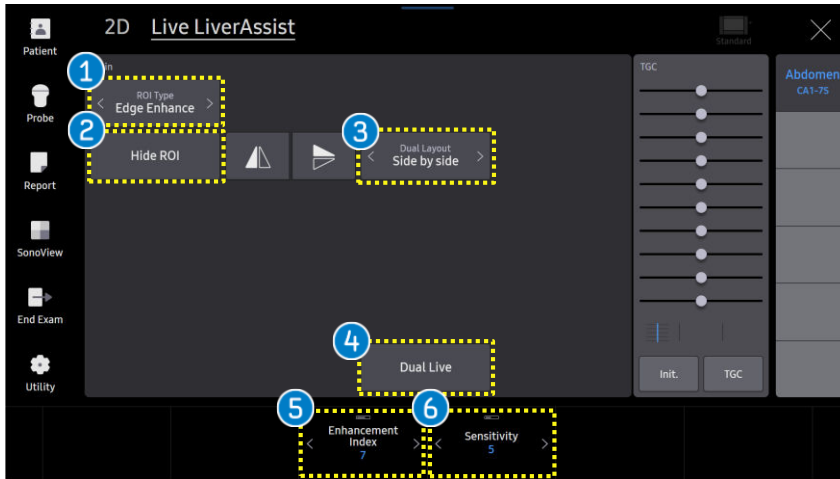
1 ROI Type	Select the ROI Type - Rectangle (Default).
2 Hide ROI	Choose to show or hide the ROI . <ul style="list-style-type: none"> On : 'ROI Hide' displayed on the left side of the image. Off : 'ROI Show' displayed on the left side of the image a .
3 Dual Layout	Set to display the ROI and the 2D images in Side by Side or Up/Down layout.
4 Dual Live	Simultaneous real-observation of ROI and Color Doppler image using Color Mode (Can be saved in User Preset) <ul style="list-style-type: none"> On : Dual layout with LLA activated screen + 2D Off : Single layout of LLA activated screen
5 Sensitivity	Adjust the sensitivity of lesion detection. (Level 1~3) Higher the sensitivity level, the higher the detection sensitivity of the lesions.


3. ROI Type(2) – Color Overlay



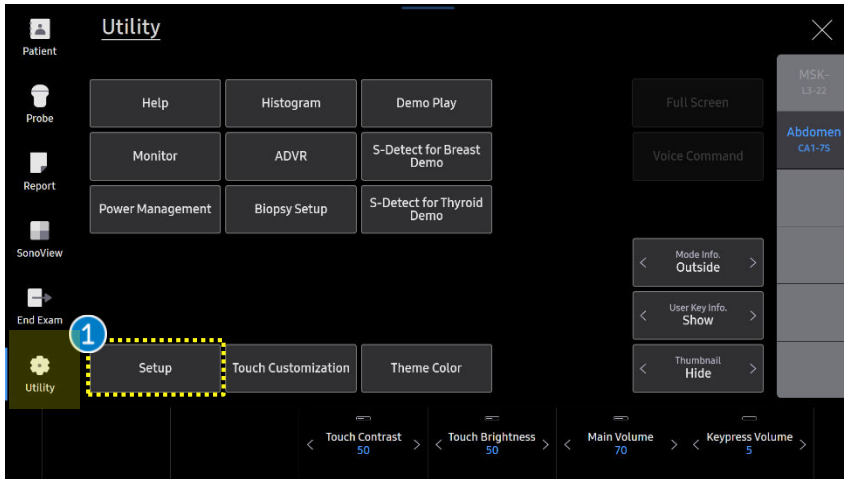
1	ROI Type	Select the ROI Type - Color Overlay
2	Hide ROI	Choose to show or hide the ROI . <ul style="list-style-type: none"> On : 'ROI Hide' displayed on the left side of the image. Off : 'ROI Show' displayed on the left side of the image a .
3	Dual Layout	Set to display the ROI and the 2D images in Side by Side or Up/Down layout.
4	Alpha Blending	Adjust the ratio of overlap between 2D and ROI's color image. 
5	Dual Live	Simultaneous real-observation of ROI and Color Doppler image using Color Mode (Can be saved in User Preset)
6	Sensitivity	Adjust the sensitivity of lesion detection. (Level 1~3) Higher the sensitivity level, the higher the detection sensitivity of the lesions.


3. ROI Type(3) – Edge Enhance

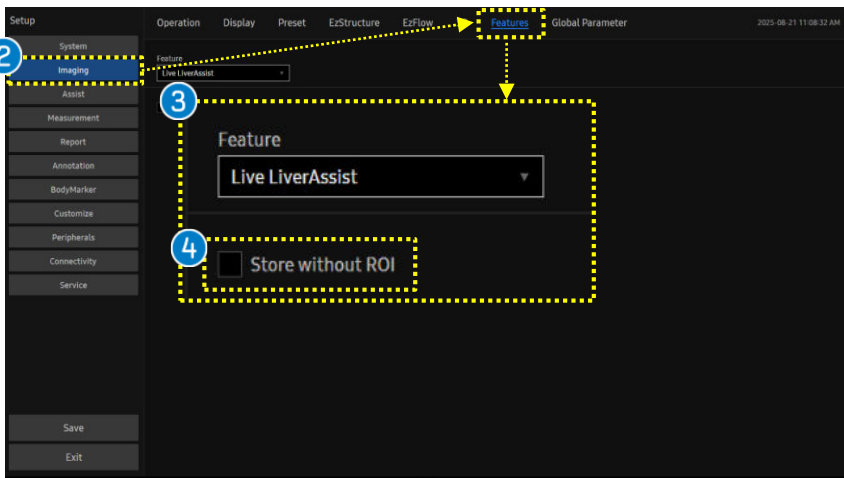


1	ROI Type	Select the ROI Type - Edge Enhance
2	Hide ROI	Choose to show or hide the ROI . <ul style="list-style-type: none"> On : 'ROI Hide' displayed on the left side of the image. Off : 'ROI Show' displayed on the left side of the image a .
3	Dual Layout	Set to display the ROI and the 2D images in Side by Side or Up/Down layout.
4	Dual Live	Simultaneous real-observation of ROI and Color Doppler image using Color Mode (Can be saved in User Preset)
5	Enhancement Index	Adjust the Enhancement index (Index 1~10) The higher the index, the more obviously the detected lesion is displayed. 
6	Sensitivity	Adjust the sensitivity of lesion detection. (Level 1~3) Higher the sensitivity level, the higher the detection sensitivity of the lesions.

4. Setup



1 Setup	Press the [Utility] button and enter [Setup].
2 Imaging	In [Imaging], enter the [Features] tab.
3 Feature	 Select [Live LiverAssist].
4 Store without ROI	Choose to save the image with or without the ROI. <input checked="" type="checkbox"/> : Save without ROI <input type="checkbox"/> : Save with ROI



- The features, options may not be commercially available in some countries.
- Sales and shipments are effective only after the approval by the regulatory affairs. Please contact your local sales representative for further details.
- This Quick guide does not include all of the details of instruction, for more detail, please refer to R20 User Manual.
- Do not distribute this document to customers unless relevant regulatory and legal affairs officers approve such distribution.
- This User Quick Guide is based on R20 V1.01.
- Disclaimer: Some Images in this content were obtained from other system.

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