

Operating Notes

Lumify Ultrasound System
April 5, 2018

4535 619 29551 Rev B

About These Operating Notes

Operating notes contain information that clarifies certain software responses that might be misunderstood or cause user difficulty. Review the operating notes and keep a copy for reference. If appropriate, post the operating notes near your workstation.

Labeling Information

For your records, retain the *Quick Guide* included in shipment; it contains the labeling information for the Lumify Ultrasound System.

Using Reacts

- To eliminate audio echo during a remote session, the remote user should try one of the following:
 - Mute the microphone when not speaking.
 - Decrease the speaker volume.
 - Use a headset.
- Reacts access codes are unique and, when redeemed, create individual Reacts licenses. The access code recipient becomes the owner of the access code and the resulting license.
- User e-mail systems may route Reacts e-mails to the Spam or Junk e-mail folders, depending upon the e-mail account settings.
- Reacts new user invitations fail under the following conditions:
 - The Lumify mobile device is not connected to the Internet.
 - The invitation does not have a correctly formatted e-mail.
 - The invitation was sent to a person with a current Reacts account.
 - The invitation was sent to a Reacts user with an expired Reacts license.
- When you use the Lumify system to search for Reacts users, do not include spaces in your search text. Search for the following:
 - First name only
 - Last name only
 - E-mail address only

Users with expired Reacts licenses might not appear in search results.

- You might not receive a confirmation when you create a new Reacts account. To verify your new account, do the following:
 - a. In your e-mail in-box, open the message with the subject line, "Please Verify Your Email."
 - b. Click **You're Almost There**.
 - c. Follow the prompts in the confirmation wizard.
- To display the Reacts ultrasound share controls when imaging in M-mode during a Reacts session, touch a live M-mode image. Touching a frozen M-mode image does not display the Reacts ultrasound share controls.
- Rotating your Lumify-compatible Android device during a Reacts session can cause a frozen 2D image to disappear from the display. To recover the image, adjust the loop time line or the device's scroll bar.

Performing an Exam

- All images display the date and time of the time zone in which they were acquired.
- When you adjust the depth to less than 3 cm while using the L12-4 transducer, the system zooms the image, and some portions of the image may not be visible. To view the entire image, pinch with your thumb and finger.
- If you drag a measurement caliper out of the image area, the caliper may disappear. To restore the caliper position, do any of the following:
 - In 2D mode, touch **Measure** , touch **Clear All** , and then touch **Measure**  and add the **Ellipse** or **Distance** measurement again.
 - In M-mode, touch **Measure** , and then touch **Measure**  again.

Review

- Lumify does not use the **Retry Interval** and **Max Retries** settings in the **DICOM Storage Commitment Server** setups. Lumify uses the settings in the **DICOM Destination** setups.
- When defining an export destination, the forward slash (/) is unsupported.
- In the **Saved Exams** display, exams with no saved images can have a check mark next to them even if they have not been saved to a DICOM storage device.
- If you rotate your device while settings are selected in the **Add New Destination** dialog box or when you are editing an export destination, the system does not save your selections. To avoid this situation, do not rotate your device while adding or editing export destinations.

Transducers

The T710 and T810 models of the Samsung S2 tablet are compatible with the C5-2 and L12-4 transducers, but not with the S4-1 transducer. The newer T713 and T813 model tablets are fully compatible with the S4-1 transducer.

Specifications

The following environmental limits have been updated:

Pressure, Humidity, and Temperature Limits

	Operating Limits	Transient Operating Limits	Storage Limits
Pressure	620 hPa (465 mmHg) to 1,060 hPa (795 mmHg)	--	500 hPa (375 mmHg) to 1,060 hPa (795 mmHg)
Relative humidity	15% to 95%	--	15% to 95%
Temperature	0°C (32°F) to 40°C (104°F)	-20°C (-4°F) with uncontrolled humidity to 50°C (122°F) with 41% relative humidity. Not to exceed 20 minutes.	-40°C (-40°F) to 70°C (158°F)

Patient-Applied-Part Temperature Measurements

Transducer	Surface Temperature, Still Air (°C)	Surface Temperature, Simulated Use (°C)
C5-2	<41.0	<41.0
L12-4	<41.0	<41.0
S4-1	45.6	<41.0

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