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Versana Active™

Quick Card

5824772-100 English
Rev.2A

gehealthcare.com

Versana Active – Quick Card

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1. Power on/off
2. Patient
3. Probe
4. Report
5. End exam
6. Whizz
7. M-Mode
8. PW (Pulsed Wave)
9. CF (Color Flow)
10. B-Mode
11. Gain/Active
12. Cursor
13. Clear
14. Measure
15. Body pattern
16. Set
17. Depth/Zoom/Ellipse
18. Dual and Quad
19. Freeze
20. Scan coach
21. Utility
22. User configurable keys (P1 = Store, P2 = Print)
23. User configurable keys (U1 – U3)
24. CHI (Coded Harmonic Imaging)

Entering Patient Data

1. Press the Patient key.
2. Enter **Patient** ID and name. (A patient ID must be entered to store images. All other entries on Patient Data screen are optional).
3. Select **Register**.
4. Exit the patient page by selecting **Scan**.

Selecting a Probe/Preset

1. Press the **Probe** key.
2. Select the preset of the exam on the screen.

Measurements

1. Press the **Measure** key. A caliper will appear on the screen for application mode.
2. Using trackball place the caliper in the appropriate position and press **Set**.
3. A second caliper will appear.
4. Using trackball place the second caliper in the appropriate position and press **Set**.

A measurement result appears with the distance measurement that you have just completed.

Repeat 1 – 4 for additional measurements.

For Velocity measurements, press **Measure** and place the caliper over the Doppler wave forms.

To change the measurement package, press **Measure**, select **Second Menu** tab on the primary menu, and then select Exam category to choose the desired application. The measurement packages for the application appears.

Preset Management

1. Press the **Probe** key on the control panel. Select the preset you want to use as a basis for the new preset. And then select **Create New** on the screen.
2. The Create New Application menu appears. Enter the name and check the "**Add to My Preset**" box, then select **Create**.
3. To view/edit the parameters for the user-defined preset, press **Utility** > **Preset Manager**. If you change the settings for this application, make sure to save the changes via **Overwrite** (user application).

Note: If you select Reload Factory Defaults for the user-defined application that you created, the settings for this user-defined application revert back to the factory settings for the exam category and application it was based upon.

Annotating an Image

Option 1: To add text to an image, begin typing on the keyboard.

Option 2: Pressing the **Comment** key to activate annotation function. Select desired word on the screen to select word.

To set the text position on the screen, use trackball to place the text in the desired location and press **Set**. The text color will change from green to yellow.

To edit or move set text, reselect the text with the cursor by placing the cursor over the word and select **Set**. Editable text will be green.

To change the comment package, select **More** on the screen, and choose the desired application. Press the **Comment** key and the comment packages for the application appears.

Color Doppler

1. Press the **CF** key.
2. The color box will appear over the B-Mode image.
3. You can change the gain by rotating the **Gain/Active** key or change the box size by pressing **Set** key and using the trackball to size.
4. Several Color Doppler adjustments such as Scale and Frequency can be adjusted on the primary menu.

Pulsed Wave Doppler

1. Press the **PW** key.
2. The Doppler gate will appear over the B-Mode image and display the waveform.
3. You can adjust the Sample Volume position by moving the trackball, and this will update the Doppler spectrum.
4. Several Pulsed Wave adjustments such as Scale and Baseline can be adjusted on the primary menu.
5. Press **Freeze** key and **Measure** key.
6. Select the calculation desired on the screen and place the calipers on the "**Pulsed Wave Doppler**" using the trackball and the Set key.

M-Mode

1. Press the **M-Mode** key.
2. The M-Mode cursor will appear over the B-Mode image and display the waveform.
3. You can adjust the position of the cursor by moving the trackball, and this will update the M-Mode signal.
4. Press **Freeze** key and **Measure** key and select **HR** on the screen to make a heart rate calculation.

Split Screen

1. Press **Dual** key to display dual screen. Press to select right or left side image as live.
2. Press **Quad** key to display quad screen. Press to select desired image as live.
3. Toggle between **Dual** and **Quad** to obtain desired images or press **Freeze** key to freeze the desired side.

Saving/Printing Images

1. To save or print images, press the appropriate **P** key.
2. Print keys are set up in Utility and can be set for multiple functions (**Utility > Connectivity > Button**).
3. Press the key to set/save each value, otherwise it can't be saved.

   Set SONY UP-D898MD printer as below for the best performance: Press Ready, use ↑ or ↓ to find Adjust: Bright 0, Contrast 10, Sharp 14, Gamma 2, Tone 12.

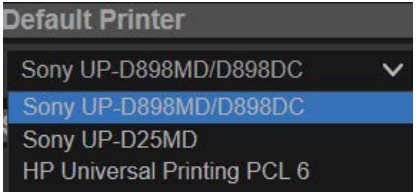
End Exam

1. Press **End Exam** and the **Active Images** screen displays.
2. Select the images (still frame or cineloop) you want to store or simply select **Permanent Store** to store the images permanently.

Printing Configuration

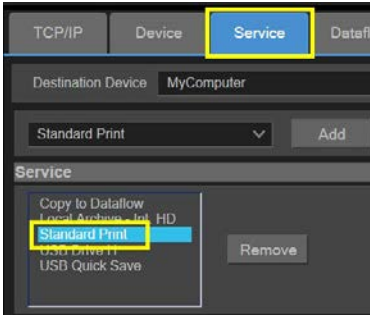
Section 1: Set up default printer

1. Press **Utility** > **System** > **Peripherals**.
2. Select report printer from the **Default Printer** pull-down menu. Press **Save**.

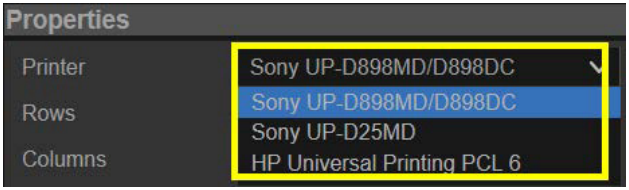


Section 2: Set up standard printer

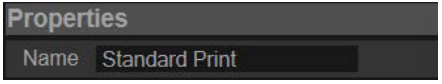
1. Connect the printer to the USB port.
2. Press **Utility** > **Connectivity** > **Service**. Add the Standard Print service.



3. Select the printer from the Printer pull-down **Properties** menu.



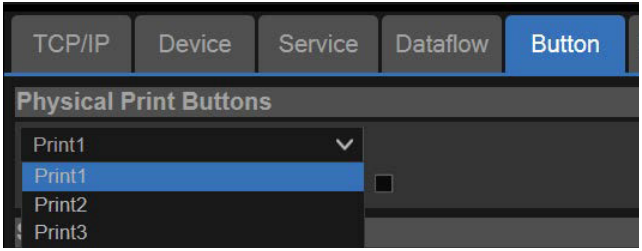
4. Type the printer name in the **Name** field. Press **Save**.



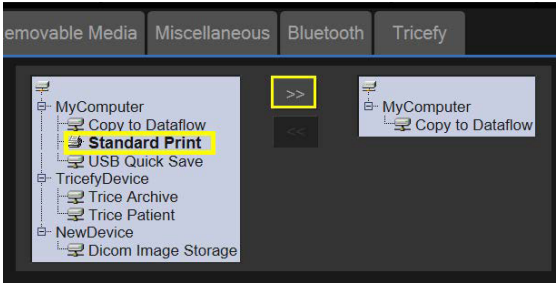
Printing Configuration *(continued)*

Section 3: Set up physical print buttons

1. Press **Utility** > **Connectivity** > **Button**.
2. Select the appropriate print key (Print1, Print2...) from the **Physical Print Buttons** section.

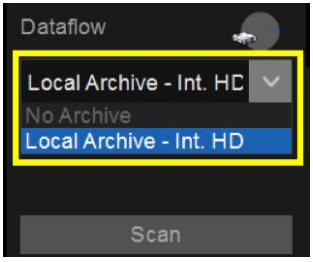


3. Select the printer from the **MyComputer** column. Press **>>** to move it to the right side printflow view. Press **Save**.

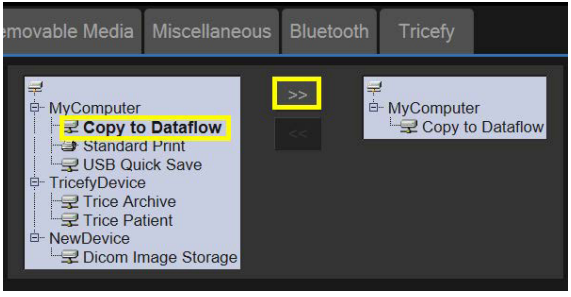


Local Archive Configuration

1. Press **Patient** > **Dataflow**.
2. Make sure the dataflow is Local Archive-Int. HD. If Dataflow shows No Archive, click the pull-down menu and select **Local Archive-Int. HD**.

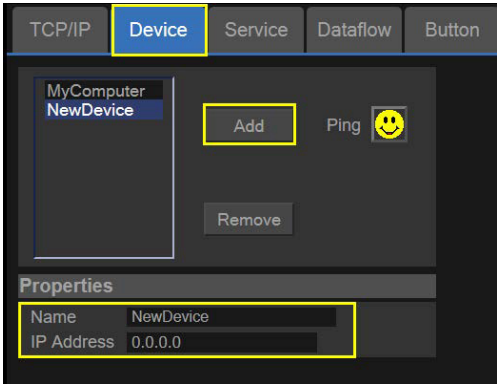


3. Select **Utility** > **Connectivity** > **Button**, then select the **Copy to Dataflow** from **MyComputer** column. Press **>>** to move it to the right side column. Press **Save**.

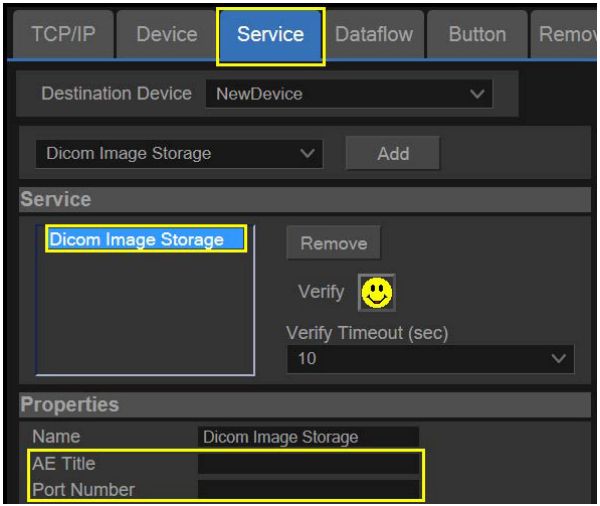


DICOM®/Network Configuration
Take DICOM Image Storage as example

1. Press **Utility** > **Connectivity** > **Device**. Press **Add** to add the **NewDevice**. Type the computer name in the **Name** field and Static **IP address** in the IP Address field. Select Ping to verify the icon changes (smiley face appears).



2. Press **Utility** > **Connectivity** > **Service**. Select **NewDevice** from the **Destination Device** pull-down menu, then select **DICOM Image Storage**. Click **Add**. Set the parameters **AE Title** and **Port Number** referring to DICOM Server in Properties column. Press **Save**. Select **Ping** to verify the icon changes (smiley face appears).



DICOM/Network Configuration
Take DICOM Image Storage as example *(continued)*

3. Press **Utility** > **Connectivity** > **Button**. Select **DICOM Image Storage** from **NewDevice** column. Press **>>** to move it to the right side column. Press **Save**.

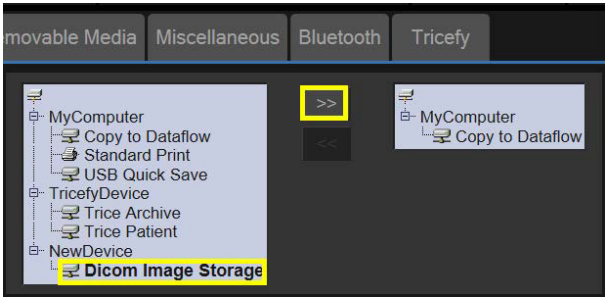


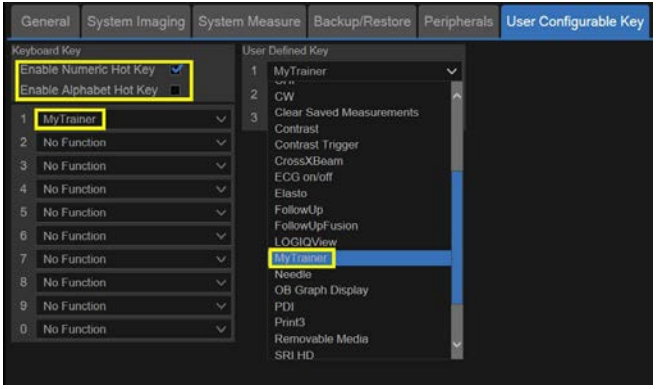
Image Optimization Lists

B-Mode Scanning Hints (Active 'Whizz' for better B-Mode image quality, or make further improvement as following)

If	Then
The image is too grainy	1. Increase Dynamic Range. 2. Click "Gray Map" to change the gray map setting.
The image is too soft	1. Decrease B Dynamic Range. 2. Increase B Edge Enhance. 3. Click "Gray Map" to change the gray map setting.
The image is too noisy	1. Decrease Gain. 2. Decrease B Dynamic Range. 3. Click "Gray Map" to select a gray map with more contrast.
Improve uniformity	1. Increase the number of focal zones. 2. Adjust TGC to compensate for attenuation.
Cystic imaging	1. Decrease Gain. 2. Decrease B Dynamic Range. 3. Decrease scan area. 4. Click "Focus Number" to increase number of focal zones. 5. Position focal zones properly. 6. Click "Gray Map" to change the gray map setting.
Technically difficult patients	1. Select the proper probe for the exam (larger patient, lower frequency). 2. Increase acoustic output, if necessary. 3. Maintain a lower B Dynamic Range (66 – 72). 4. Decrease scan area for faster frame rates. 5. To penetrate, select a lower frequency for the probe of choice.

How to Access My Trainer?

1. Press **Alt+H** to enter My Trainer. Or, Press **Utility > System > User Configurable** Key. Check **Enable Numeric Hot** Key or **Enable Alphabet Hot** Key to set My Trainer in the keyboard key, or set My Trainer in user defined key.



2. Press defined key to access **My Trainer**.

Versana Club Membership Registration

1. Simply register online at: www.versanaclub.net.
2. Scan below to join Versana Club now!

Learn. Network. Share.

Imagination at work

Product may not be available in all countries and regions. Full product technical specification is available upon request. Contact a GE Healthcare Representative for more information. Please visit www.gehealthcare.com/promotional-locations.

Data subject to change.

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