

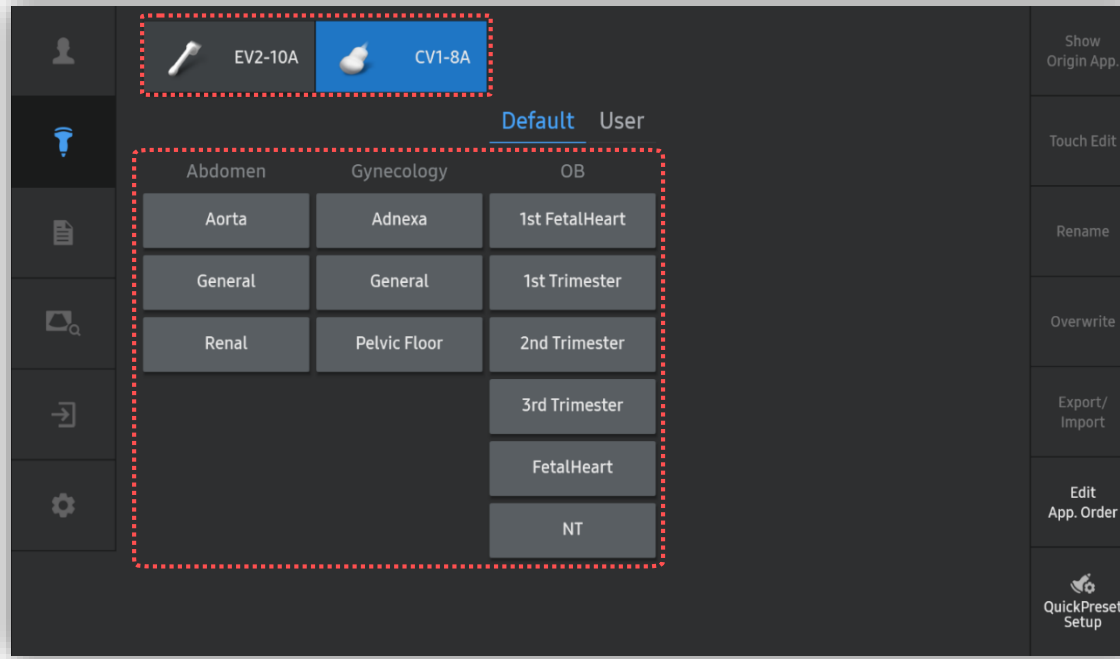
SAMSUNG

CrystalVue™

HERA W10 Quick Guide



1. Probe and Preset



※ CrystalVue™ can be operated under the following conditions :

Probe	Application
CV1-8A EV2-10A	All presets

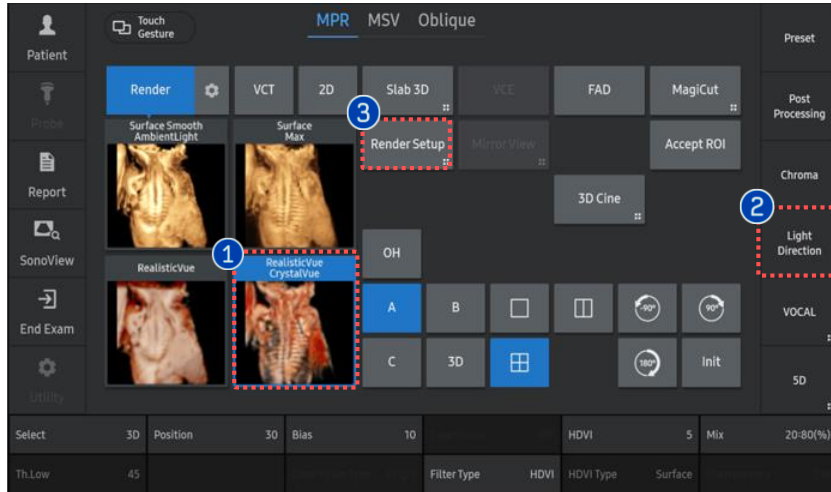
2. Volume Acquisition



① Volume acquisition

Acquire the volume data with the structure you desire to apply CrystalVue™.

3. Apply CrystalVue™



1 CrystalVue™

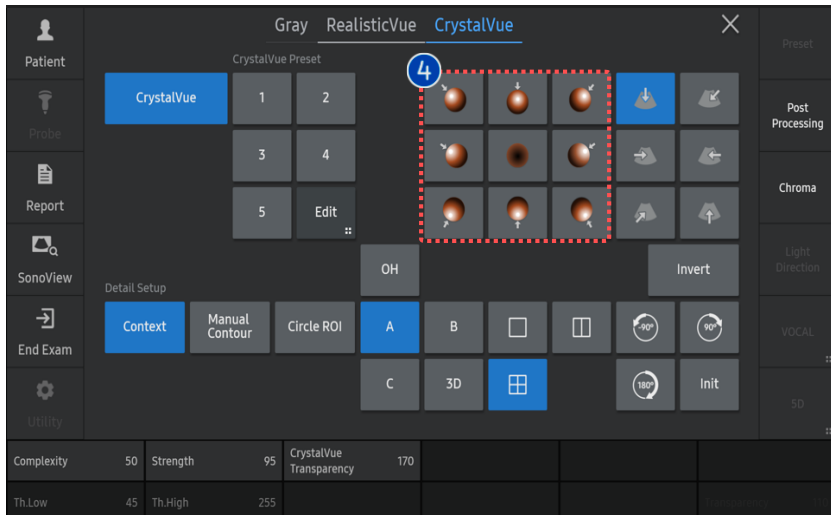
Tap [CrystalVue™] on the touch screen.

2 Light Direction

Tap [Light Direction] within short cut keys when you adjust the direction of light freely by trackball.

3 Render Setup

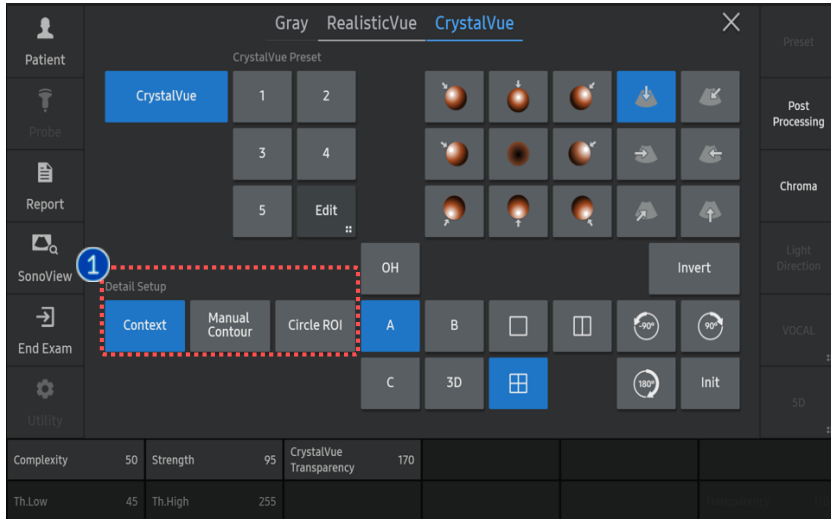
Tap [Render Setup] on the touch screen to adjust parameters of CrystalVue™.



4 Pre-defined Light direction

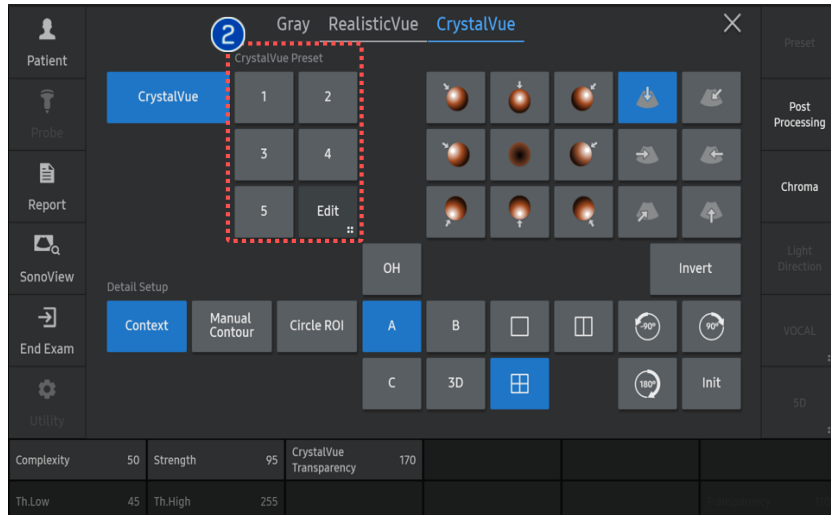
Tap pre-defined light direction among 9 designated options.

4. Adjust CrystalVue™ Parameters



1 Detail Setup (ROI Type)

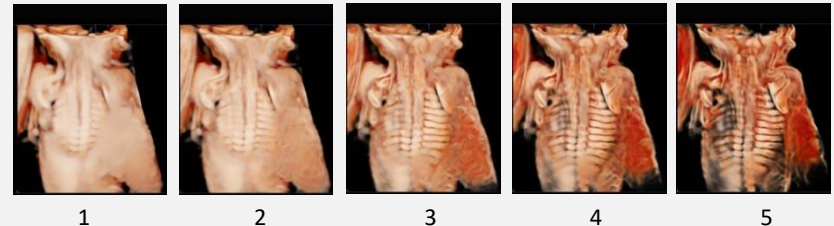
Select type of ROI between Context, Manual Contour and Circle ROI.



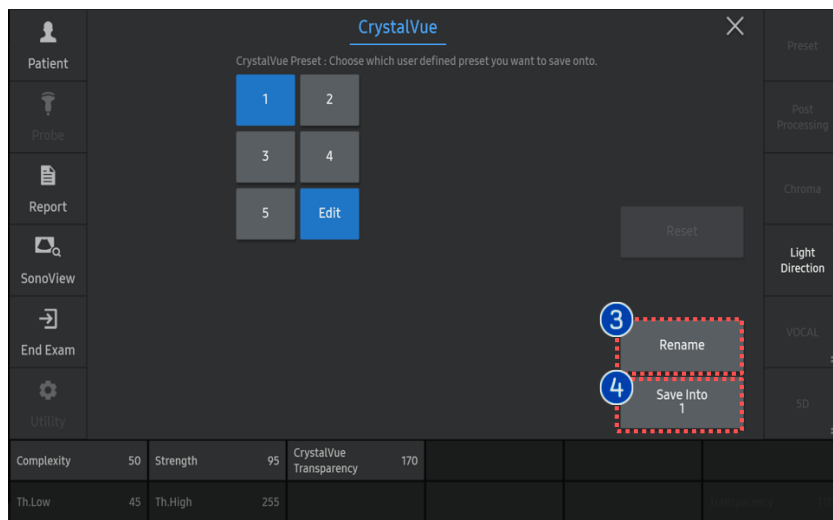
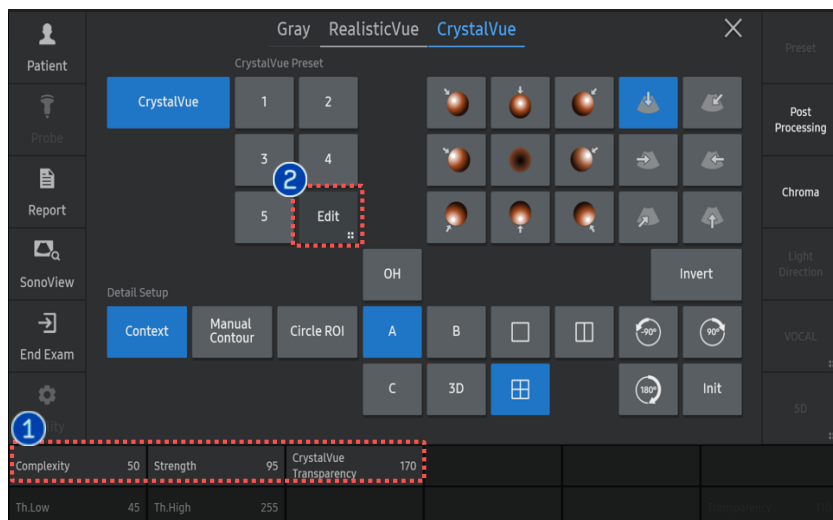
2 Crystal Vue™ Preset

Select one among various pre-defined presets for quick feedback.

- The higher the preset number, the more internal information



5. Edit CrystalVue™ Preset



For fine adjustment, use these three parameters.

1 CrystalVue™ Parameters

- **Complexity:** The higher Complexity value, the more context information. The lower value, the more surface information.
- **Strength:** As the Strength value is higher, the context information becomes clearly visible.
- **Transparency:** Level of transparency or opacity.

2 Edit

After parameter adjustment, tap [Edit] to save it.

3 Rename

Tap to designate name of the preset.

4 Save Into

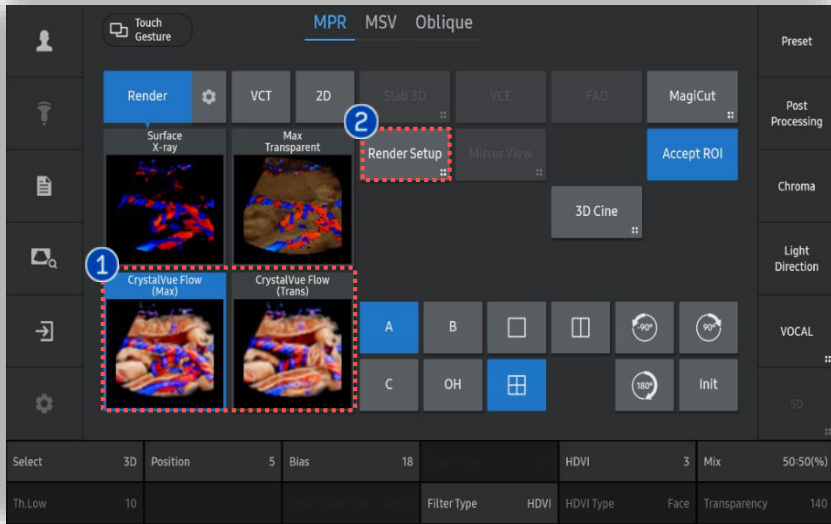
Tap to save into selected preset.

CrystalVue Flow™

HERA W10 Quick Guide



1. Apply CrystalVue Flow™



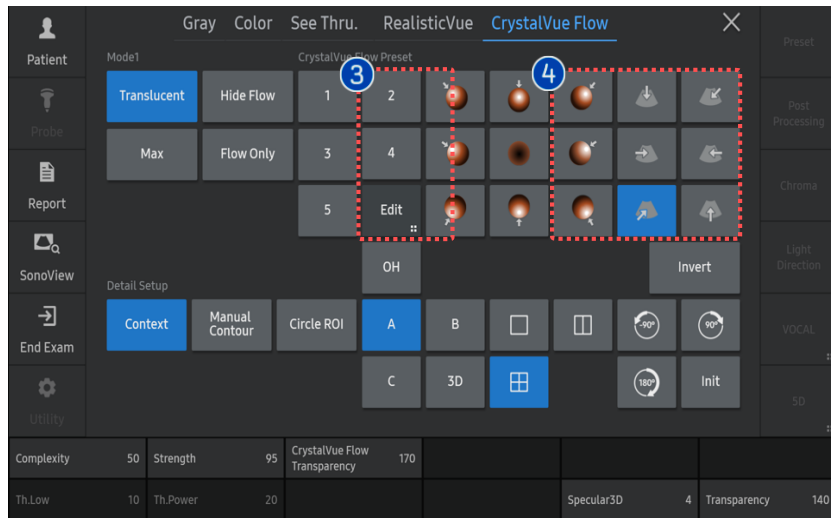
Acquire Volume image with Doppler method such as Color, Power and S-Flow.

① CrystalVue Flow™

After acquisition, tap [CrystalVue Flow]

② Render Setup

Tap [Render Setup] to adjust parameters of CrystalVue Flow™



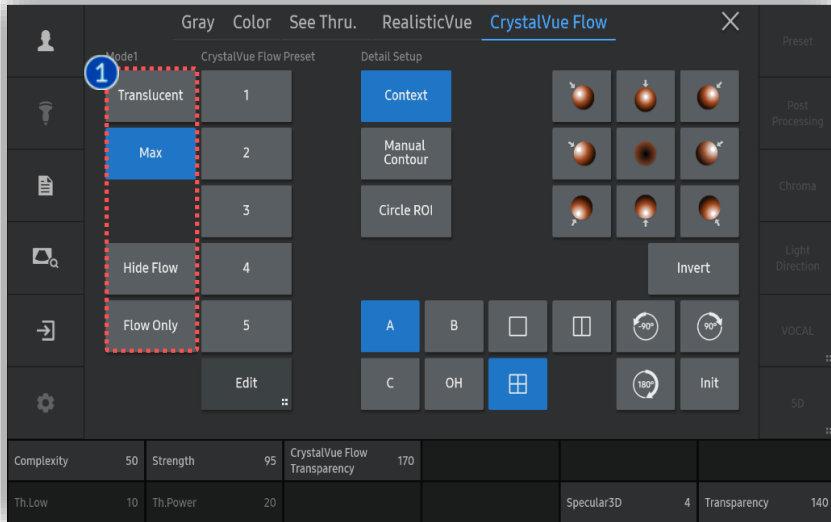
③ ROI Type

Select type of ROI between Context, Manual Contour and Circle ROI.

④ Pre-defined Light direction

Tap pre-defined light direction among 9 designated options.

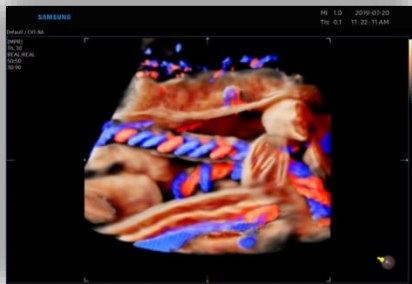
2. Apply CrystalVue Flow™



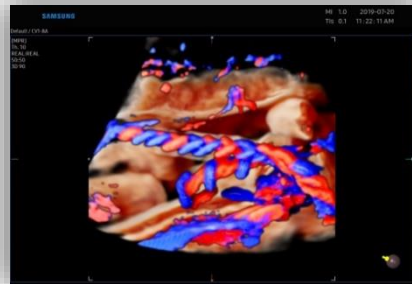
You can select display mode among various options below.

1 Display Mode

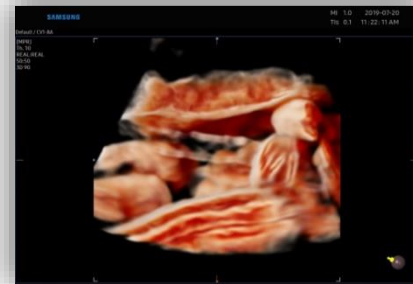
- **Translucent:** Color signal will be represented within tissue signal
- **Max:** Color signal will be represented in maximum intensity
- **Hide Flow:** Only tissue signal will be represented
- **Flow Only:** Only Doppler signal will be represented



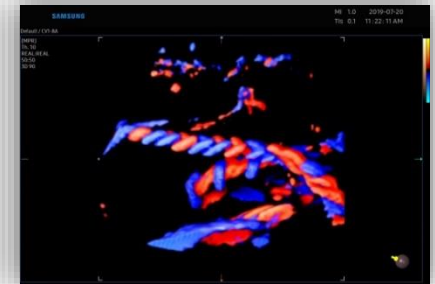
Translucent



Max

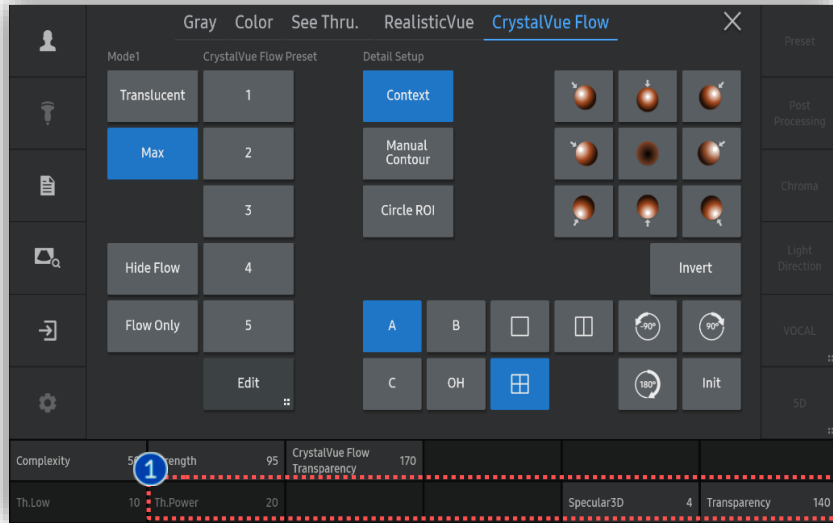


Hide Flow



Flow Only

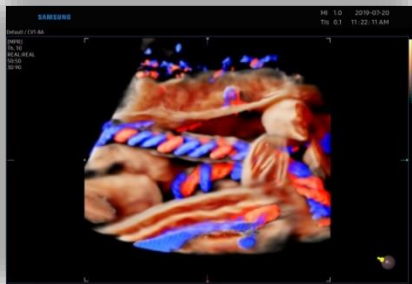
3. Adjust Color Parameters



You can adjust parameters of Color signal.

① Color Parameters

- **Th.Power:** As Th.Power increases, overall color signal will be gradually eliminated
- **Specular 3D:** As the index increases, there are more watery effect applied
- **Transparency:** The lowest value(20) is for transparent color signal, and the highest value(250) is for opaque color signal.



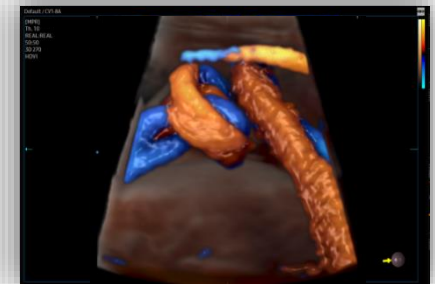
Th.Power 0



Th.Power 250

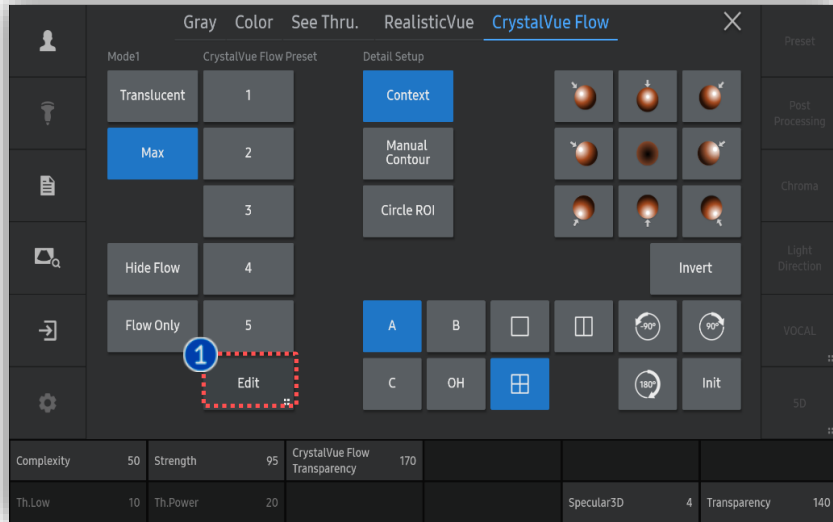


Specular 3D Off



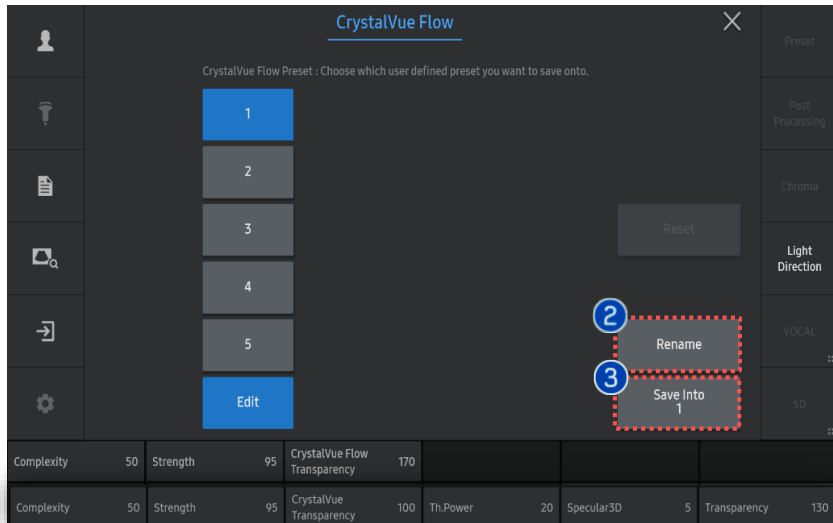
Specular 3D Lv.5

4. Edit CrystalVue Flow™ Preset



1 Edit

After parameter adjustment, tap [Edit] to save it.



2 Rename

Tap to designate name of the preset.

3 Save Into

Tap to save into selected preset.

- 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 HERA W10 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 HERA W10 V1.03.
- Disclaimer: Some Images in this content were obtained from other system.

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