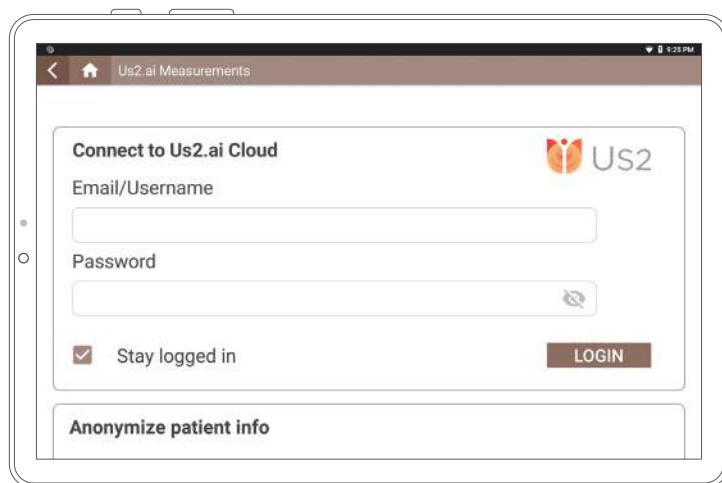# Quick Start Guide

Us2.ai on Kosmos

This feature provides automatic clinical workflow that recognizes and analyzes 2D and doppler modality images for automated cardiac measurements and the diagnosis, prediction and prognosis of heart disease. Available on Kosmos Bridge and Kosmos on Android.

Setting up Us2.ai on Kosmos

Connect to Wifi

For Bridge Users:
Kosmos Homescreen > Settings > Admin > Wifi

For Android Users:
Go to your tablet's Settings > Network & Internet

Log in to Us2.ai from device

Log in using the username and password provided to you by your EchoNous representative
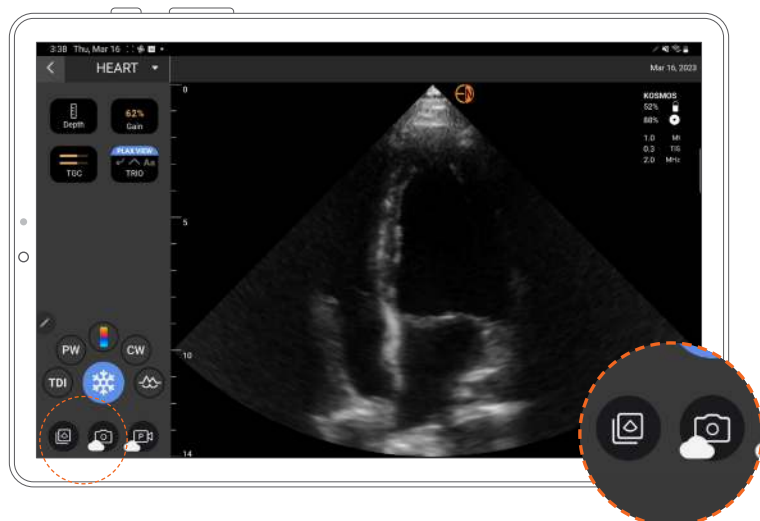
For Bridge Users:
From Kosmos App Homescreen > Settings > Admin > Us2.ai Measurements

For Android Users:
From Kosmos App Homescreen > Settings > Us2.ai Measurements

Continue with Anonymize Patient Info and Auto send.
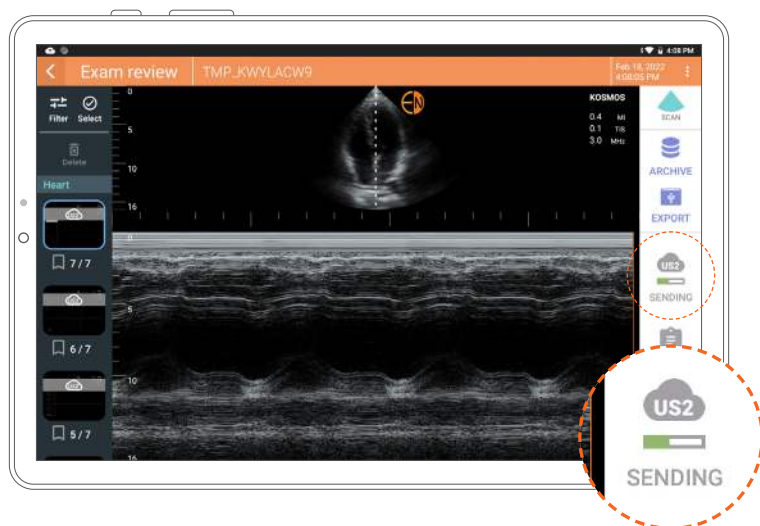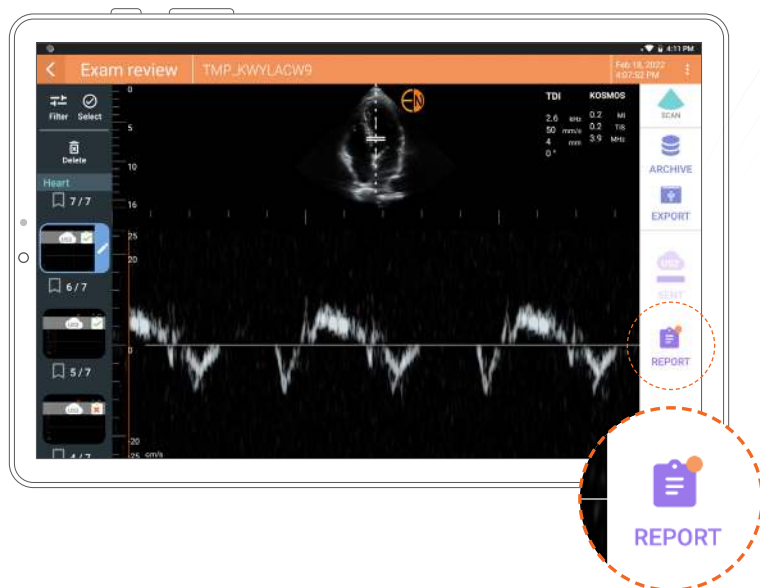
How to receive reports

Tap on Exam review

Auto send on save event automatically sends data to the Us2 cloud

You can also manually send images and clips from the Exam Review Screen

Note: Software features may vary between Kosmos Bridge and Kosmos on Android. Please contact your EchoNous representative for more information.

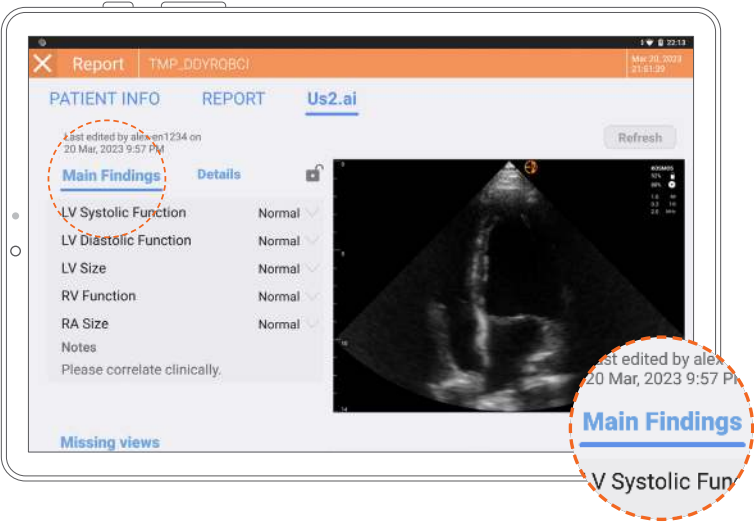
Tap on Send to US2

means send is in progress

means send is successful

means this image was not used for measurement

means this image was used for measurement

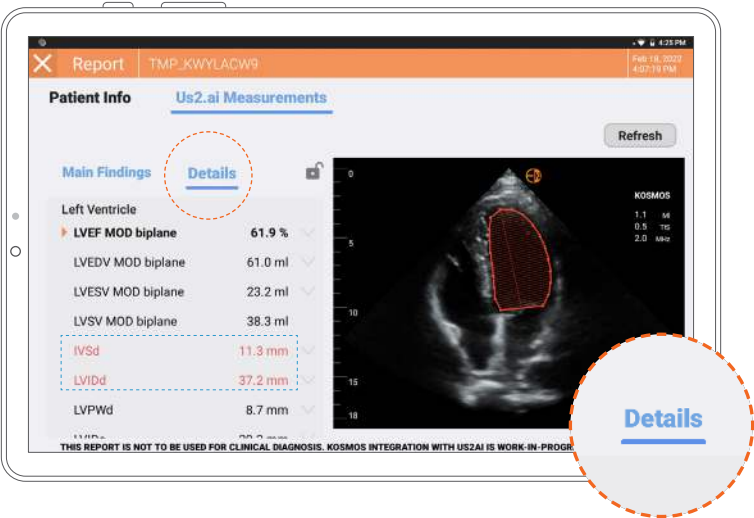Tap on the Report to view the cardiac calculations.

Reports

Main Findings

Tap on Main Findings to view a summary conclusions for the patient study

Double tap on the down arrow ∨ to see ASE and EACI Guidelines

Details

Tap on Details to view all measurement values and annotations

The list of measurements will vary based on the images and clips sent

Measurements in red ⌞⌝ denote measurements that are outside of the normal range

Tap on the red measurement to review.

🔓 After review, you may lock the report. Once locked, the measurements cannot be edited

Note: Investigational Use Measurements are available to add to your report with additional Us2.ai credentials. Please contact your EchoNous representative for more information.

Double tap on the image to see the details

A User can edit the measurements by adjusting the trace

B Tap the flag to add or remove measurement values to the calculations report.

C Tap the arrows to toggle through the measurements

Online access

https://app.us2.ai/en/#/login
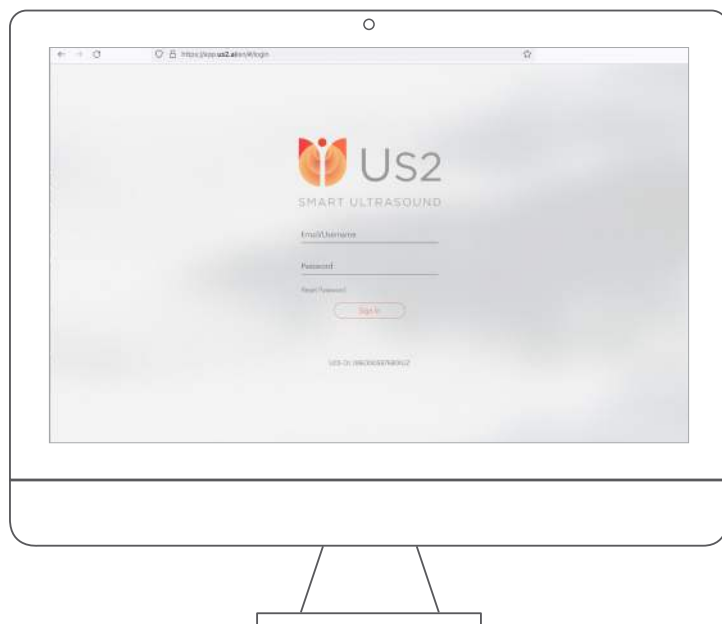
All the above features and more are available on the Us2.ai website

Tips
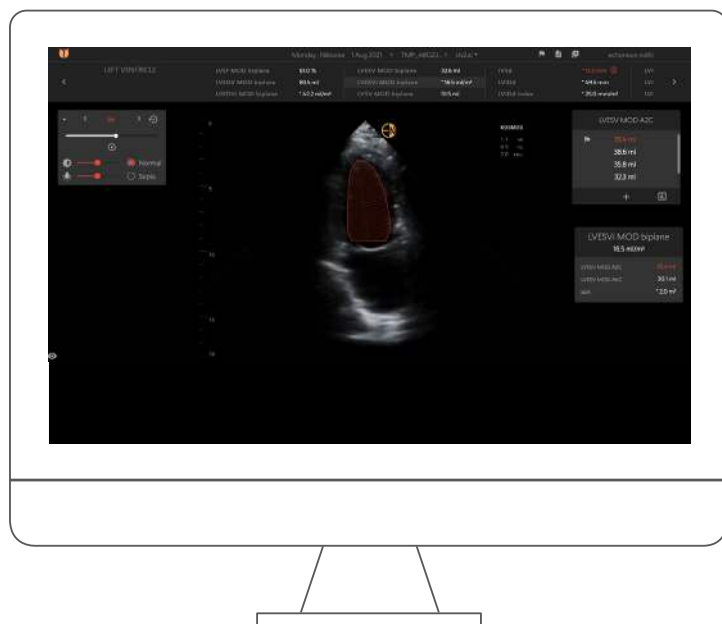
Do not share your username and password with unauthorized users

Check internet connection if it takes too long for the report to be generated

Note: Measurements depend on the quality of images and clips sent.

US2 Report Measurements

There are 24 measurements + 9 investigational use measurements. Table organized by Modes

Us2.ai ID	Measurement	Imaging Mode	Plane	Description
1	IVSd	B	PLAX	Inter Ventricular Septal Thickness measured at end diastole
2	LVIDd	B	PLAX	Left Ventricular Internal Diameter measured at end diastole
3	LVIDs	B	PLAX	Left Ventricular Internal Diameter measured at end systole
4	LVPWd	B	PLAX	Left Ventricular Posterior Wall thickness measured at end diastole
5	RVIDd	B	PLAX	Right Ventricular End Diastolic Internal Diameter
6	TR Vmax	CW	A4C	Tricuspid Regurgitation maximum velocity
7	LVEDV MOD biplane	B	A4C/A2C	Left Ventricular End Diastolic Volume biplane calculation based on Method Of Discs
8	LVESV MOD biplane	B	A4C/A2C	Left Ventricular End Systolic Volume biplane calculation based on Method Of Discs
9	LVEF MOD biplane	B	N/A	Left Ventricular Ejection Fraction biplane based on Method Of Discs
10	LAESV MOD biplane	B	A4C/A2C	Left Atrial End Systolic Volume biplane calculation based on Method Of Discs
11	RA area A4C (s)	B	A4C	Right atrial area at end systole in A4C
12	LVSV MOD biplane	B	N/A	Left Ventricular Stroke Volume biplane calculation based on Method Of Discs
13	MV-Adur	PW	A4C	Duration of late diastolic transmitral flow
14	MV-E	PW	A4C	Early diastolic transmitral flow
15	MV-A	PW	A4C	Late diastolic transmitral flow
16	DecT	PW	A4C	Deceleration Time of early diastolic MV transmitral flow
17	E/A ratio	PW	N/A	Ratio of early and late diastolic transmitral flow
18	e' lateral	TDI	A4C	Early diastolic tissue velocity taken from the lateral region
19	e' septal	TDI	A4C	Early diastolic tissue velocity taken from the septal region
20	E/e' mean	N/A	N/A	Ratio of early transmitral flow and mean diastolic tissue velocity
21	a' lateral	TDI	A4C	Late diastolic tissue velocity taken from the lateral region
22	a' septal	TDI	A4C	Late diastolic tissue velocity taken from the septal region
23	s' lateral	TDI	A4C	Systolic tissue velocity taken from the septal region
24	s' septal	TDI	A4C	Systolic tissue velocity taken from the septal region

Investigational Use

Us2.ai ID	Measurement	Imaging Mode	Plane	Description
1	Tapse	M mode	A4C	Tricuspid Annular Plane Systolic Excursion
2	LAESV MOD A2C	PW	A2C	Left Atrial End Systolic Volume in A2C calculation based on Method Of Discs
3	LAESV MOD A4C	PW	A4C	Left Atrial End Systolic Volume in A2C calculation based on Method Of Discs
4	LVEDV MOD A2C	PW	A2C	Left Atrial End Diastolic Volume in A2C calculation based on Method Of Discs
5	LVEF MOD A2C	CW	A2C	Left Ventricular Ejection Fraction in A2C based on Method Of Discs
6	LVESV MOD A2C	PW	A2C	Left Ventricular End Systolic Volume in A2C calculation based on Method Of Discs
7	LVEDV MOD A4C	TDI	A4C	Left Ventricular End Diastolic Volume in A4C calculation based on Method Of Discs
8	LVESV MOD A4C	TDI	A4C	Left Ventricular End Systolic Volume in A4C calculation based on Method Of Discs
9	LVEF MOD A4C	N/A	A4C	Left Ventricular Ejection Fraction in A4C based on Method Of Discs

Please note that there are additional Investigational Use measurements that are available with appropriate Us2.ai credentials. Please contact your EchoNous representative for more information.

Not all features are available in all markets, please check with your local representative for availability in your region.

KOSMOS

Us2 EchoNous