About Youkey Ultrasound Scanner

Q7 Ultrasound Scanner **D8 Ultrasound Scanner**

No.	Name	Description
1	Transducer	Changeable transducer module
2	Main unit	Ultrasound scanning engine, built-in Li-ion battery
3	Power button	Short press, power on or freeze/unfreeze scanner Long press >=3s, power off the scanner. Blue blinking, the scanner is in freezing status. Blue solid, the scanner is in scanning status.
4	Menu button	Set scan mode when in scanning status. Save image when in freezing status. Battery light shows the battery status.
5	Up / Down button	Increase / Decrease Depth or switch parameters.
6	"+" / "-" button	Increase / Decrease Gain and Parameters .
7	USB Type-C	Battery charging or data cable connection.

Note:
① Do not use the scanner when charging.
② The scanner should be frozen or powered off when switching transducers.
③ The adapter output is DC 5V 2A.

Using Youkey Ultrasound Scanner

1. SonoiQ App Download

Download "SonoiQ" App from the App Store, or Youkey Website.

Download on the **App Store** | Download on the www.youkeymedical.com | Download on the www.youkeymedical.com

2. Start SonoiQ App

3. Turn on/off scanner:

Turn on: Short Press the power button. The scanner is ready when the power light is blinking slowly.

Turn off: Long press the power button for more than 3 seconds.

4. Connect scanner:

a) **Android and Windows:**
Click on the software - WiFi signal icon to connect the scanner to the smart device.
iOS:
WiFi connecting password is '12345678', toggle off the "Auto Join" after connected.

b) Install the Windows driver in the installation folder to use Windows USB connection.

5. Scan Screen:

(1) Android or iOS

1. Main Menu, WiFi Signal, Probe Battery, Thumnnail, Patient Info.
2. Probe Model, Exam Type, Biopsy Guide, Grid, Smart Device Battery, System Time.
3. List of Parameters, Gray Scale.
4. Functions.
5. Freeze / UnFreeze, Image Save
6. Pulsed-Wave Doppler Mode / Update, B / M Mode, Color / Power Doppler Mode.
7. More Parameters Adjustment.
8. Depth Adjustment, Gain Adjustment.

(2) Windows
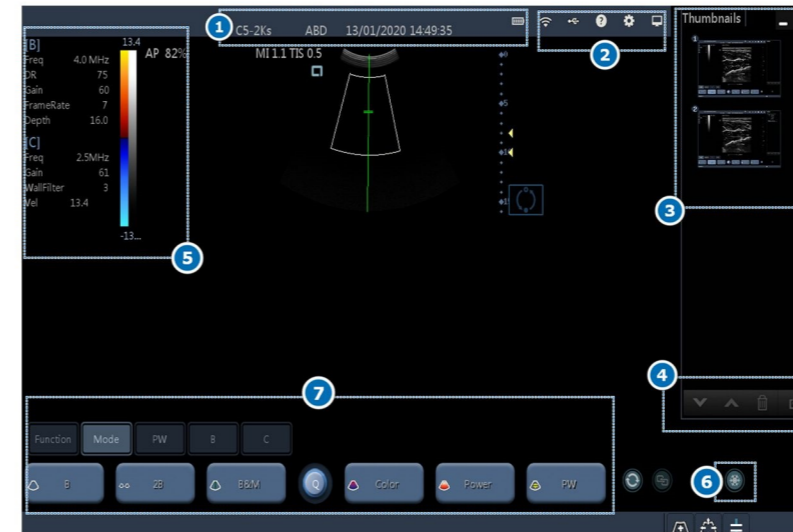
1. Probe Model, Exam Mode, System Time, Scanner Battery.
2. WiFi Signal, USB Connection, Manuel, System Setting, Task Manager.
3. Thumbnails, Minimize / Exit.
4. Page Down, Page Up, Delete, Export for Thumbnails.
5. List of Parameters, Gray Scale.
6. Freeze / Unfreeze.
7. Softkeys Control Area

Left click the "Mode" soft key, select Imaging Mode.
(PW Mode: Click update icon and get the spectrum).

6. Freeze:

Press the button on the App to freeze the scan image

7. Measurement:

a) Freeze the image, then click "Measure" to do the measurements.

b) Measurements including distance, angle, ellipse, HR, time, etc.

c) Click "Clear All" to remove all measurements. Drag one measurement to the left to delete it.

8. Save image / Cine:

a) Click the save image icon to save the images. One single frame image will be saved to local storage directory "SonoiQ / Picture" folder.

b) Click the freeze icon to freeze the image.

Then click " Save Cine" icon and select "START NOW" to save the cinema loop file to local storage directory "SonoiQ / Video" folder.

9. Review:

a) Click Thumbnail icon to review the images.
b) Check at local disk SonoiQ folder or Gallery.
c) Review saved images and cine-loops through "Info", "Patient list" on the Main screen "Function".

10. Share:

a) Sharing scanned files in the Gallery or SonoiQ folder.
b) Uploading images to DICOM server.

Note:

Only one smart device can be connected at one time.

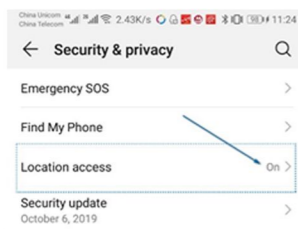Enable location services to search scanner WiFI signal on Android and iOS devices.

FAQ

1. Scanner Not Connecting to the Smart Device

a) Enable location services 📍Location on android and iOS devices

Depending on the smart device, the following steps may be slightly different.

Open your device's **Settings** app.

Tap **Security & privacy**.
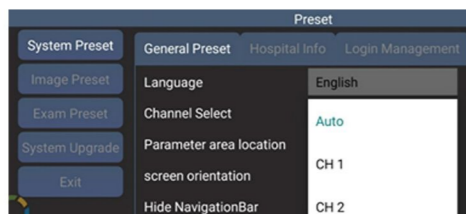
If you have a work profile, tap **Advanced**.

Tap **Location access**.

Turn **Access my location** on.

b) Smart device may not support 5GHz WiFi

Change WiFi Channel to 2.4GHZ(from CH 1 to CH 13) in SonoiQ APP via USB connection on Android device or WiFi connection on other devices which can support 5G WiFi.

2. No Scan Image

For Scanner:

a) Make sure the transducer parts still stably attached on the scanner

For Android and iOS Devices

b) Clear background software, restart SonoiQ APP and the scanner.

For Windows Devices

c) Set run this program as an administrator and in compatibility mode for Windows XP(Service Pack 3) then allow access of "sonoiq.exe" in Windows firewall setting.

Steps: Open SonoiQ folder and find "SonoiQ.exe" on your Local Disk

Right click "SonoiQ.exe", choose "Properties"

Choose "Compatibility" page, then select "Run this program as an administrator" and "Run this program in compatibility mode for Windows XP(Service Pack 3)", click "Apply" first, then click "OK"
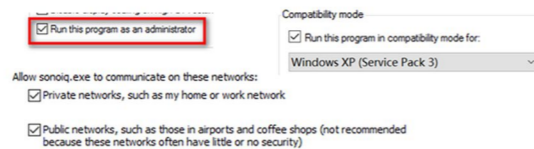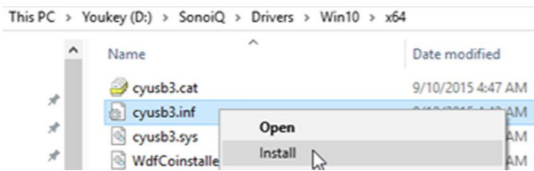

Search the "firewall" and enter the "Advanced setting", check the "Inbound Rules" of "sonoiq". Make sure all the connection is enabled.
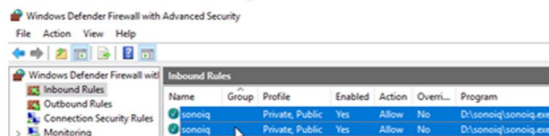
3. Install Scanner USB Driver on Windows Devices

d) Install the Windows USB driver in SonoiQ installation folder for USB connection.

e) The straight USB type-C connector should be connected to the main unit using USB connection.

4. Shortcut Key on Windows:

Left Click:	Select / Confirm
Right Click:	Freeze / Unfreeze image
F1/F2, Scroll Up/Down:	Change Gain / Show TGC / Select Frame
F8, Middle Mouse button:	Release Cursor
F10:	Quick Save Image
F11:	Change Zoom Mode

5. Disinfection

Turn off the scanner before disinfecting, keep the transducer head firmly connected to the main unit.

Conventional probe in contact with body surface:

Cleaning with a disinfectant containing hydrogen peroxide is recommended.

Transvaginal probe:

It is recommended to wipe with a disinfectant containing glutaraldehyde or hydrogen peroxide.

Note:

Prohibit the use of quaternary ammonium salt disinfectants which can easily lead to plastic shell damage.

6. Further information

Please Visit Youkey website www.youkeymedical.com and find more information at Services column.

Youkey

Quick Start Guide

Youkey

WuHan Youkey Bio-Medical Electronics Co., Ltd. CFDA CE ISO 13485

ADD : 2nd Floor, Dingxin Industry park,Jiayuan Road, East Lake Development District,Wuhan 430074,China

Tel : +86 27 87797167

Web : www.youkeymedical.com

Email: info@youkeymedical.com

Mobile Imaging Intelligent Medical