EchoNous AI Station

AI Station 2 User Guide

Introduction

The EchoNous AI Station 2 is a stand that lets you easily mount and remove the Kosmos Bridge or compatible tablet for convenient use and portability.

Use this guide in conjunction with the *AI Station 2 Installation Guide, Core Stand* included in the AI Station 2 box.

Please reference the correct installation instructions based on your Kosmos device.

> Please visit the website at **echonous.com/kosmos-resources/** for electronic versions of the user guides.
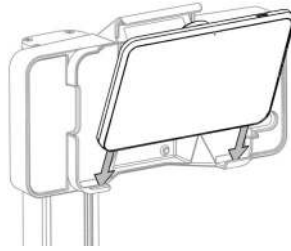
Kosmos Bridge Installation

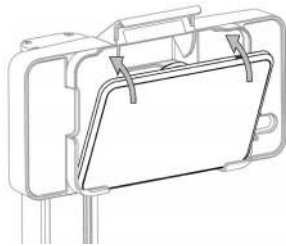**Installing Kosmos Bridge on the AI Station**

⚠ Ensure the latch is fully closed so Kosmos Bridge does not fall out and cause injury or damage.

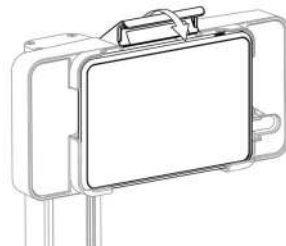To install Kosmos Bridge on the AI Station:

1. Align Kosmos Bridge so that the bottom edge rests on the corner tabs of the tablet mount.

2. Tilt Kosmos Bridge back into the tablet mount, and press it in. There may be minor resistance as you press the handle into the slot.

3. Press down on the latch until it clicks.

Removing Kosmos Bridge from the AI Station

The release button is intentionally hidden to improve security.

> ⚠ When removing Kosmos Bridge from the mount, adjust the holder so it is not tilted downward before you push the release so it does not fall to the ground.
>
> 🔖 • The release button simultaneously releases both the latch and the USB cable.
> • Press the release button quickly and completely – this ensures the USB cable properly releases.

To remove Kosmos Bridge from the AI station:

1. Make sure that Kosmos Bridge is facing straight forward and not tilted downward.

2. Support Kosmos Bridge with one hand, and use your other hand to press the release button quickly and completely on the back upper right slot of the AI Station.

3. Holding the top of Kosmos Bridge, tilt it forward and lift up to remove it from the mount.
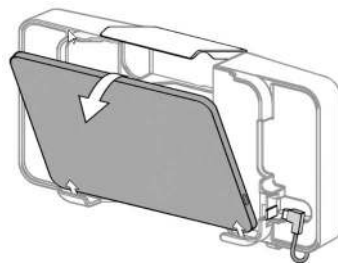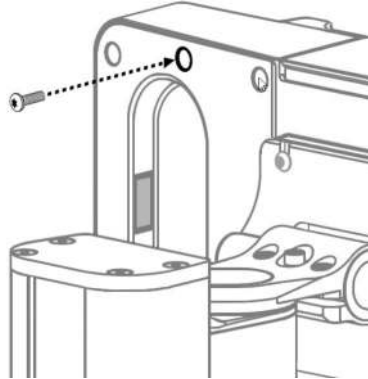
Locking the release button (optional)

If you want to keep Kosmos Bridge in the AI Station, you can lock the release button to ensure the latch does not open.

To lock the release button:

✴ After installing Kosmos Bridge on the AI Station, use a T-10 Torx to install the M3 x 8mm BHTS screw into the back of the tablet holder.

Adjusting the tablet hinge

You can adjust the tablet mount so it tilts up and down (+30/-15 degrees) and swivels left and right (+/- 90 degrees).

> ⚠️ The downward tilt is intentionally limited to reduce the likelihood that Kosmos Bridge will fall if the latch is accidentally opened.

If the mount is too loose or too tight, you can adjust it as described in the *AI Station 2 Installation Guide, Kosmos Bridge Mount*.

> ⚠️ Be sure to support the tablet while adjusting the tension; if the tension is too loose, the tablet mount could suddenly tilt down.

Installation and Using the Kosmos Hub with Kosmos Bridge

> Please note that not all features are available in all markets. Reference the user guide of your region or country for all available features before use.

While using the Kosmos Bridge on the AI Station, the Kosmos Hub allows you to simultaneously scan and charge when Lexsa is connected, when Torso or Torso-One are connected or when both Torso/Torso-One and Lexsa are connected. Below are instructions on how to set up Kosmos Hub with the Kosmos Bridge.

> ⚠ While scanning with Lexsa, do not disconnect the AC power if it is already connected.
>
> ⚠ Kosmos Hub must be connected and attached to Kosmos AI Station prior to use.
>
> ⚠ The Hub Enclosure Box should not be open while in the patient environment.
>
> The Kosmos Hub is currently available for Kosmos Bridge

Attaching the Hub Enclosure Box to the AI Station

1. Attach the Hub Enclosure Box, without the Hub, to the AI Station with the individual Socket Set Screw.

    a. At the base of the AI Station, insert the mount of the Hub Enclosure Box through the opening

    b. Slide the Hub up the spine of the stand.
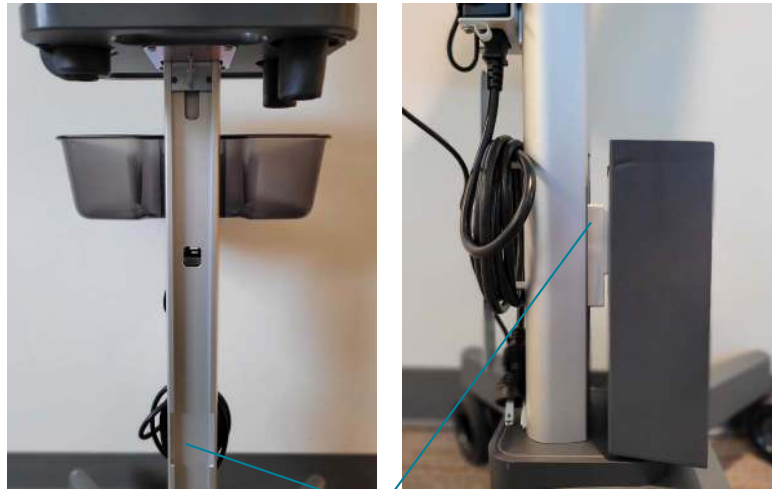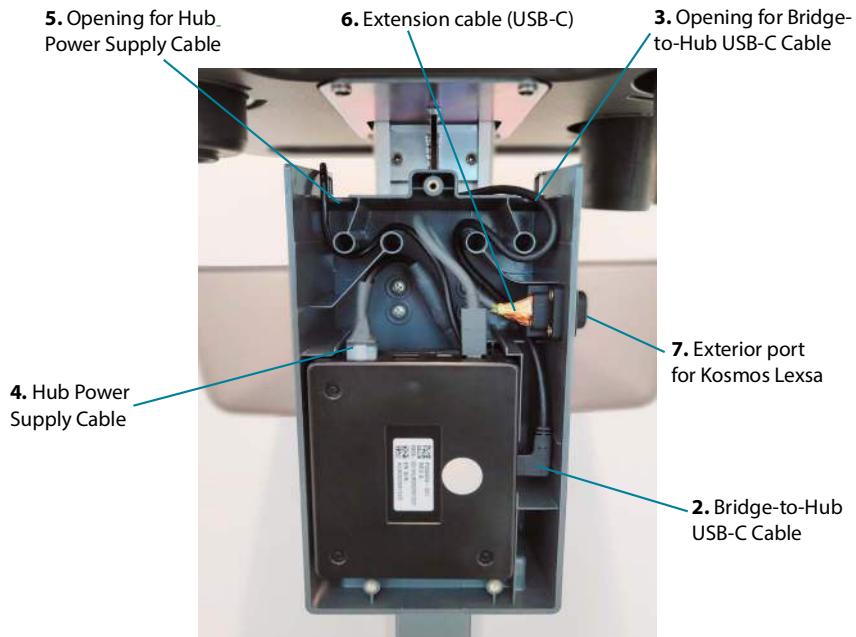
a. Opening for Hub
Enclosure Box Mount

c. At the location shown in the image below, use the provided Allen wrench and the single Socket Set Screw to tighten the Hub to the AI Station.
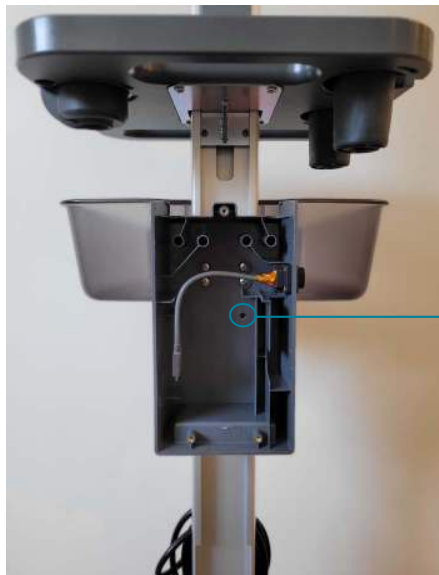
c. Insert Socket Set Screw and tighten with Allen wrench until the Hub Enclosure Box is secure

Connecting the Hub - See image below

2. Prior to placing the Hub into the Hub Enclosure Box, connect one end of the Bridge-to-Hub USB-C cable to the USB-C port on the Hub.

3. Place the Hub into the Hub Enclosure Box and guide the Bridge-to-Hub USB-C cable through the fittings and cable opening of the Hub Enclosure Box.

4. Connect the Hub Power Supply Cable to the Hub Power Supply Port.

5. Guide the Hub Power Supply Cable through the fittings and cable opening of the Hub Enclosure Box.

    a. Hint: Utilize the space behind the Hub to help adjust the cable through the fittings.

6. Connect the Extension Cable (USB-C) to the USB-C port on the Hub.

7. Plug in Kosmos Lexsa to the exterior Lexsa Port on the Hub Enclosure Box.

5. Opening for Hub Power Supply Cable

6. Extension cable (USB-C)

3. Opening for Bridge-to-Hub USB-C Cable

7. Exterior port for Kosmos Lexsa

4. Hub Power Supply Cable

2. Bridge-to-Hub USB-C Cable

Connecting the Hub to the Kosmos Device and Power Supply

8. Guide the loose end of the Bridge-to-Hub USB-C Cable through the core of the AI Station and up to the Bridge mount.

AI Station Core

9. Insert the Bridge into the Bridge mount and plug the Bridge-to-Hub USB-C Cable into the Bridge side port.

Bridge-to-Hub USB-C port

Complete the Hub Set Up

10. Connect the power supply cable to the power supply cord.

Power supply block
and power supply
cable connection

11. Plug the AI Station power cable into wall outlet. Turn on Kosmos device.

12. With successful installation of Hub, close the Hub Enclosure Box with the provided screws. You will need a Phillips screwdriver.
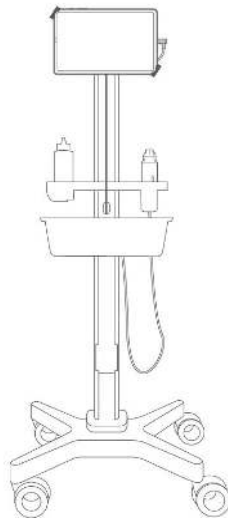
Android and iOS Tablet Mount

You can easily mount compatible Android and iOS tablets to Kosmos AI Station 2 using the Android & iOS Tablet Mount.

Please refer to this guide in combination with the documents listed below.

- *AI Station 2 Installation Guide, Core Stand*
- *Android & iOS Tablet Mount Installation Guide*

|	
🔖	Please note that electronic user guides are available on the EchoNous website at **echonous.com/kosmos-resources/**
🔖	For a list of compatible tablets, please visit the EchoNous website at **echonous.com/product/kosmos-ultraportable-ultrasound/**

Installing Tablet on Kosmos AI Station
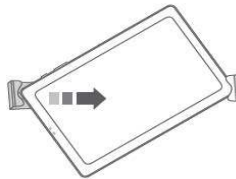
To install Android & iOS Tablet Mount on AI Station:

1. Attach the tablet mounting plate to the mounting plate of the AI Station using the provided hardware.
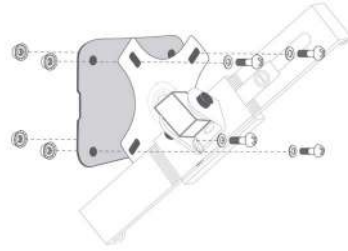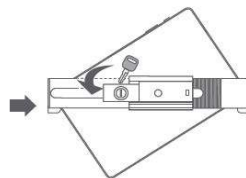

2. Insert key into locking flap to unlock the mount. Pull back the flap and slide corner grip open.
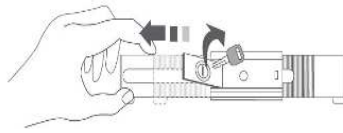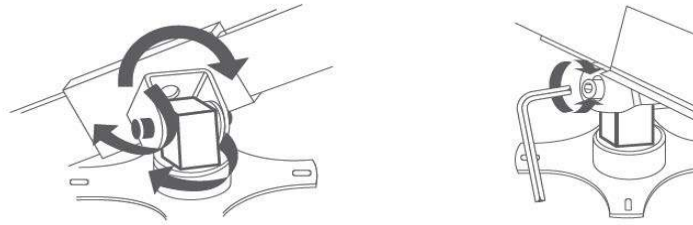

3. Insert tablet corner against fixed end, slide opposite corner grip down.

4. Push the locking flap back in and turn key to lock the mount.

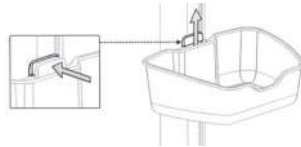5. Use the Allen wrench to rotate the tablet mount to desired position.

Using the utility bin

The utility bin can safely carry 4.5 kg.

> ⚠ Do not exceed the safe working load of the AI Station.

✴ To remove the utility bin for cleaning, press the tab, and slide the bin upward.

✴ To reinstall the bin, align it with the top edge of the mounting bracket, and slide the bin downward until it clicks into place.
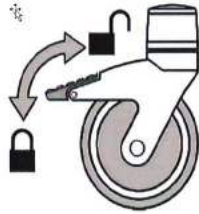
Locking the casters

The AI Station has four locking casters.

> ⚠ The AI Station is designed to roll freely; however, after you have placed it where you want, lock the casters so it does not unintentionally move.

✴ To lock a caster, use your foot to push down on the tab.

Storing the AC power cord

✴ To store the AC power cord, wrap the cord onto the cord wrap at the bottom of the stand.

Cleaning and disinfecting

For cleaning and disinfection of the AI Station, refer to the manufacturer's instructions.
(https://assets.gcx.com/documents/documents/DU-CLEAN-01_Rev_A.PDF)

Routine Maintenance

Periodically inspect all fasteners associated with the mounting assembly. Tighten or Adjust as necessary for optimal operation and safety.

Cleaning the Mounting Assembly

The mounting assembly may be cleaned with most mild, non-abrasive solutions commonly used in the hospital environment (e.g. diluted bleach, ammonia, or alcohol solutions).

The surface finish will be permanently damaged by strong chemicals and solvents such as acetone or trichloroethylene.

Steel wool or other abrasive material should never be used.

Damage caused by the use of unapproved substances or processes will not be warranted. We recommend testing of any cleaning solution on a small area of the mounting assembly that is not visible to verify compatibility.

Never submerge or allow liquids to enter the mounting assembly. Wipe any cleaning agents off the mounting assembly immediately using a water-dampened cloth. Dry the assembly thoroughly after cleaning.

> ⚠️ GCX makes no claims regarding the efficacy of the listed chemicals or processes as a means for controlling infection. Consult your hospital's infection control officer or epidemiologist. To clean or sterilize mounted devices or accessory equipment, refer to the specific instructions delivered with those products.

Specifications

Stand

- Weight: 24.5 kg
- Dimensions: 112 x 51 x 45 cm

Kosmos Hub

- Dimensions: 100 x 116 x 31 mm

Hub Enclosure Box

- Dimensions: 132 x 237 x 71 mm

Power Supply

- Input: 100-240V AC supply 50-60Hz
- Output: 5.0V ±0.25V at 2.0A maximum current

Hub to tablet cable length

- 1800 mm (70.9")

Safety

Please read this information before using your ultrasound system. It applies to the device, the transducers, and the software. This section covers general safety information only. Safety information that applies only to a specific task is included in the procedure for that task.

Kosmos System is considered a medical device. This device is intended for use by, or by the order of, and under the supervision of a licensed physician qualified to direct the use of the device.

Report any serious safety incident that occurs in relation to the ultrasound system to EchoNous and to the competent authority of the country in which the user and/or patient are established.

Recycling and Disposal

EchoNous is committed to helping protect the natural environment not only through supporting continued safe and effective use of the devices, but also through communicating information about proper disposal of the devices at the end of useful life.

Equipment may contain materials that pose a risk to the environment if not disposed of properly. When a device has reached the end of its useful life, properly dispose of it following the recommendations below.

Kosmos Bridge contains lithium-ion batteries, and the system should be disposed of in an environmentally responsible manner in compliance with local, state, provincial, and/or national regulations. EchoNous recommends taking any Kosmos electronic equipment to a recycling center which specializes in the recycling and disposal of electronic equipment.In cases where any Kosmos

⚠🗑	Do not incinerate or discard Kosmos in general waste at end of life. The lithium-ion battery is a potential environmental and fire safety hazard.
⚠🗑	The lithium-ion battery inside Kosmos Bridge may explode if exposed to very high temperatures. Do not destroy this unit by incinerating or burning. Return the unit to EchoNous or your local representative for disposal.

component has been exposed to biologically hazardous material, EchoNous recommends using biohazard containers in compliance with local, state, provincial, and/or national regulations for disposal. Such Kosmos component should be taken to a waste center which specializes in the disposal of biohazard waste.

Labeling symbols

Symbol	EchoNous Description	SDO Title Reference Number Standard
▄▄▟	Indicates device manufacturer. Includes name and address of the manufacturer	Manufacturer Ref. No. 5.1.1 ISO 15223-1 Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 1: General requirements
REF	Part or model number	Catalog number Ref. No. 5.1.6 ISO 15223-1 Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 1: General requirements
LOT	Batch code	Batch code Ref. No. 5.1.5 ISO 15223-1 Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied - Part 1: General requirements

	Equipment mass including safe working load. Used in accordance with IEC 60601-1, Cl. 7.2.21.	None
	UL Classified. Medical - General medical equipment as to electrical shock, fire and mechanical hazards only in accordance with ANSI/AAMI ES 60601-1 (2005) + AMD (2012) / CAN/ CSA-C22.2 No. 6060-1 (2008) + (2014). E509516	None
	Consult instructions for use	Operating instructions Ref. No. D.1-11 IEC 60601-1 Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
	Safety warnings are identified with this mark on the device.	General warning sign Ref. No. D.2-2 IEC 60601-1 Medical electrical equipment - Part 1: General requirements for basic safety and essential performance

	Indicates the item is a medical device	Ref. No. 5.7.7 ISO 15223-1 Medical devices- Symbols to be used with medical device labels, labeling and information to be supplied- Part 1: General requirements
	Indicates the authorized representative in the European Community/ European Union Note: Symbol is accompanied by the name and address of the authorized representative.	Ref. No. 5.1.2 ISO 15223-1 Medical devices- Symbols to be used with medical device labels, labeling and information to be supplied- Part 1: General requirements
CE 2797	CE Marking Indicates that a device is in conformity with the applicable requirements set out within EU MDR 2017/745 and other applicable Union harmonization legislation	EU MDR 2017/745 Article 2, (43)
	Do not dispose of this product in normal trash or landfill; refer to local regulations for disposal	Separate collection Annex IX Waste Electrical and Electronic Equipment (WEEE) Directive 2012/19/EU of the European Parliament
CH REP	Switzerland representative	Symbol for Switzerland Representative MU600_00_016e_MB

Contact information

United States

EchoNous Inc.

8310 154th Avenue NE

Building B, Suite 200

Redmond, WA 98052

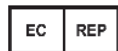Technical Support (toll free): (844) 854 0800

Sales (toll free):   (844) 854 0800

Email: support@EchoNous.com

Website: www.EchoNous.com

European Economic Area
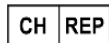
EC	REP

Authorized Representative

Advena Ltd

Tower Business Centre

2nd Flr, Tower Street

Swatar, BKR 4013

Malta

CE
2797

Switzerland Authorized Representative

CH	REP

QUNIQUE GmbH

Bahnhofweg 17

5610-Wohlen

Switzerland

Suporte ao cliente da EchoNous

Entre em contato com o suporte ao cliente:

Telefone: 844-854-0800

Fax: 425-242-5553

E-mail: info@echonous.com

Site: www.echonous.com

Fabricante:

EchoNous, Inc.

8310 154th Ave NE, Edifício B, Suíte 200

Redmond, WA 98052

Estados Unidos da América

País de Origem: Estados Unidos da América

Detentor da Notificação:

VR Medical Importadora e Distribuidora de Produtos Médicos Ltda

Rua Batataes no 391, conjuntos 11, 12 e 13 - Jardim Paulista

São Paulo - SP - 01423-010

CNPJ: 04.718.143/0001-94

SAC: 0800-7703661

Farm. Resp: Cristiane Ap. de Oliveira Aguirre – CRF/SP: 21.079

Notificação ANVISA no: 80102519147

P006266-006, Rev A

June 2023