Installation Instructions

CPU Mount

Amico
www.amico.com

Preface

Important, Please Read Carefully

Thank you for your purchase with Amico.

This unit is designed for long lasting performance, providing the end user complies with assembly and maintenance procedures. This Instruction Manual is your guide to ensure that you get the best performance out of the equipment. Amico Accessories is not responsible for any damage as a result of (but not limited to) abuse and other problems that may be a direct or indirect result of failure to comply with the instructions provided in this manual.

Please note these key words and symbols:

WARNING Steps where extra care should be taken to prevent injuries and damage

NOTE Steps that point out helpful information

RESPONSIBILITY OF MEDICAL FACILITIES

Preventive maintenance checks must be performed regularly to maintain the quality and performance of this product. Any parts that may be broken, missing, worn, distorted, or contaminated in any way should not be used and all affected parts should be replaced immediately. Should the necessity of any repair be suspected; please contact your local distributor.

Table of Contents

Section 1: Product Specifications
Features 3
Specifications 3
Product Classification 4

Section 2: Installation Preparation
Installation, Tools and Part Requirements 5
Parts Legend 6

Section 3: Installation on Mounting Platform
Mounting on MRS 7
Mounting on VRS/Ohmeda Rail 8
Mounting on ARS 9
Mounting on FRS and LRS 10
Mounting on Hill-Rom/HSI Rail System 11

Section 4: Device Installation
Device Configuration Recommendations 12-13
Mounting of Devices 12
Mounting Devices Less Than 3.5" Wide 13

Section 5: Adjustments **14**

Section 6: Maintenance and Troubleshooting
Troubleshooting Guide 15
Preventative Maintenance 15

Cleaning **16**

Warranty **17**

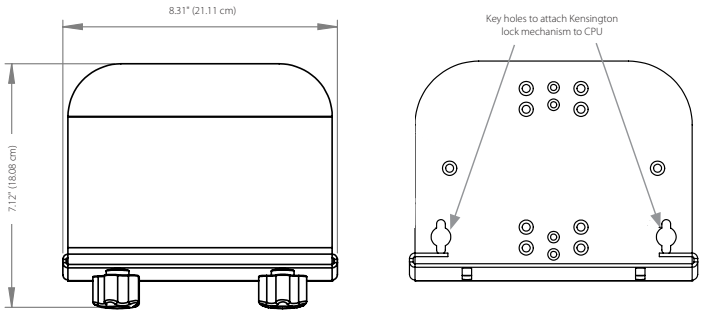
Section 1: Product Specifications

Features

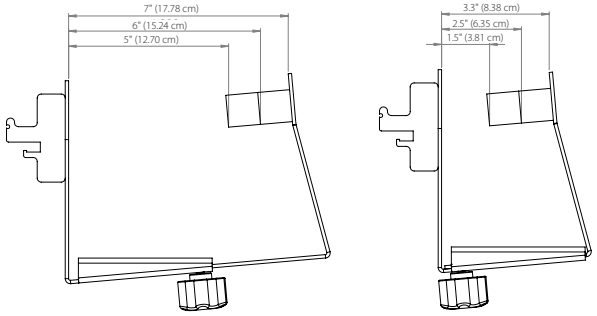
1. Easy to clean
2. Kensington lock integration (lock not provided)
3. Bottom clearance for ventilation
4. Rail and wall mounting options
5. Colour options (black or white)

Specifications

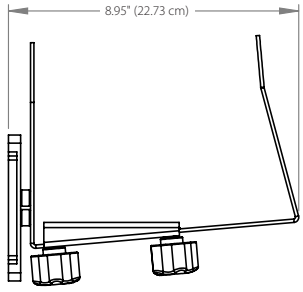
1. Weight capacity of 20 lbs (9.1 kg)
2. Supports CPU widths of 1.5" - 7" (3.8 cm - 17.8 cm)



Front dimension is the same for all configurations



CPUMNTA-A



CPUMNTA-M

Excess space at rear of CPU can store cords/power supply

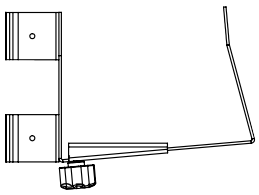
MODEL MAXIMUM DEPTH (wall to outermost edge) (may be less based on CPU width measurements, 7" [17.78 cm] max.)

M	=	8.95 in (22.73 cm)	G	=	10.6 in (27 cm)
V	=	10.5 in (26.67 cm)	D	=	10.6 in (27 cm)
E25	=	9.8 in (24.89 cm)	S	=	11.3 in (28.70 cm)
F	=	9.5 in (24.13 cm)	DW	=	8.5 in (21.59 cm)
A	=	10.1 in (25.65 cm)			

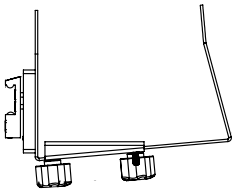
Section 1: Product Specifications

Product Classification

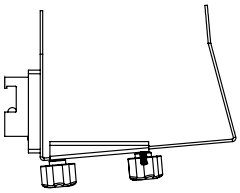
CPUMNTA-_ (fill in blank with desired option)



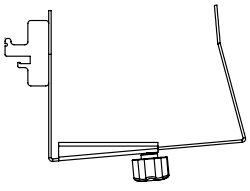
V
Amico Vertical Mount



F
Fairfield Rail Mount

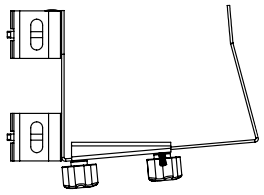


E25
DIN Rail (25 mm)

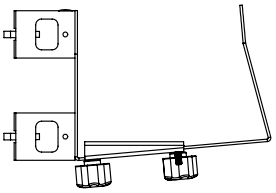


A
Amico Horizontal Mount

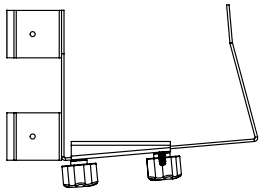
CPUMNTA-_ (fill in blank with desired option)



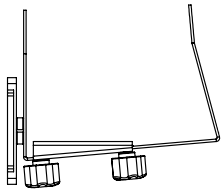
G
Hillrom Vertical Mount



S
HSI Mount



D
Ohmeda Dovetail Mount



M
Monitor Channel Mount

Section 2: Installation Preparation

Installation, Tools and Part Requirements

A 7/32" and 1/8" hex key (or Allen key) is required for models *CPUMNT-F* and *CPUMNT-M*. Please confirm your product model before proceeding.

NOTE: Tools for installation not provided by Amico Accessories.

Pre-Installation Information (PLEASE READ CAREFULLY BEFORE STARTING)

WARNING: VERIFY THE WEIGHT OF THE DEVICE TO BE MOUNTED. CPU MOUNTS ARE RATED AT 20 LBS TOTAL LOAD.

WARNING: VERIFY THAT RAILS HAVE BEEN INSTALLED IN ACCORDANCE WITH AMICO RAIL INSTALLATION INSTRUCTIONS. RAIL FAILURE WITH DEVICES MOUNTED CAN CAUSE SERIOUS INJURY AND EQUIPMENT DAMAGE.

WARNING: IT IS DANGEROUS TO USE THE CPU MOUNT FOR WEIGHTS OUTSIDE OF THE RATED RANGE. STRUCTURAL FAILURE AND/OR SERIOUS INJURY CAN RESULT.

WARNING: DO NOT ATTEMPT TO UNMOUNT/REMOVE THE CPU MOUNT FROM THE MOUNTING PLATFORM WHEN LOADED WITH ANY DEVICE.

WARNING: IT SHALL BE THE RESPONSIBILITY OF THE HOSPITAL, ITS CONSULTANTS AND/OR CONTRACTORS TO DETERMINE IF THE MOUNTING SURFACE IS ADEQUATE TO SAFELY MOUNT THE SPECIFIC INSTRUMENT. THIS INCLUDES THE SELECTION OF APPROPRIATE FASTENERS AND PROPER INSTALLATION INDEPENDENT OF WHAT IS SUPPLIED WITH YOUR I.T. STATION. SEE RAIL INSTRUCTIONS FOR SPECIFIC WALL CHANNEL GUIDELINE INFORMATION.

WARNING: DO NOT TRY TO MOVE OR MAKE ADJUSTMENTS TO THE CPU WHEN MOUNTED. ANY ATTEMPT TO MOVE THE CPU CAN CAUSE IT TO DISMOUNT AND CAN CAUSE SEVERE INJURY.

NOTE: For the direct wall configuration *(CPUMNT_-DW)*, the customer is responsible for selecting the hardware for mounting. Amico does not provide any hardware.

Section 2: Installation Preparation

Parts Legend

NOTE: Please note part descriptions provided below.

Manufacturer Part Number	Part Description
W-X-MON-STOP-T	MONITOR BRACKET STOPPER - TOP
E-MON-STOP-B	MONITOR BRACKET STOPPER - BOTTOM
MON-ADA-LNG	MOUNTING ADAPTER
H-SSCP-1420-05	BLACK SET SCREW CUP
V-ADAPTER (VTA-8-32)	VERTICAL TRACK ADAPTER
D-ADAPTER (OHM-8-32)	OHMEDA ADAPTER
VTA-X-LOCKNOB	VERTICAL TRACK ADAPTER LOCK KNOB
X-HBLOCK-ARM	LEVER ARM
X-MON-CLAMP-A	HORIZONTAL TRACK ADAPTER
FTA-8-32 ADAPTER	FAIRFILED TRACK ADAPTER
ETA ADAPTER (ETA-25-8-32)	DIN ADAPTER
H-HSSS-71620-38	ALLOY HEX SOCK SET SCREW
W-X-BALL-375-NY	NYLON WHITE BALL BEARING
STA-8-32	HSI TRACK ADAPTER
GTA-8-32	HILL-ROM TRACK ADAPTER
X-HSI-KNOB	HSI KNOB
H-HR-CONV-PIN-2	HILL-ROM RAIL ADAPTER PIN
X-GTA-KNOB	HILL-ROM TRACK ADAPTER KNOB
H-KNOB-1420-125	CPU MOUNT LOCK KNOB
X-CPUMNT-FTPLT	CPU MOUNT FRONT PLATE
X-CPUMNT-BKPLT	CPU MOUNT BACK PLATE
X-CPU-RBR-PAD	RUBBER PAD
H-CPUMNT-BUMPER	CPU MOUNT BUMPER
H-CPUMNT-BMPR-LBL	BUMPER LABEL
X-DBL-SD-TP-CPUMNT	CPU MOUNT DOUBLE SIDED TAPE
W-A-HTA-MON-A	ARS ADAPTER

Section 3: Installation on Mounting Platform

⚠ **WARNING:** DO NOT MOUNT THE CPU MOUNT ANYWHERE NEAR OR ABOVE A PATIENT'S HEAD.

Mounting on MRS:

⚠ **WARNING:** TO PREVENT THE MOUNTING ADAPTER FROM SLIDING DOWN RAIL, ENSURE THE FOUR SCREWS ARE FASTENED TO THE TIGHTEST POSSIBLE POSITION. SERIOUS INJURIES CAN RESULT IF SCREWS ARE IMPROPERLY FASTENED **(Figure 1)**.

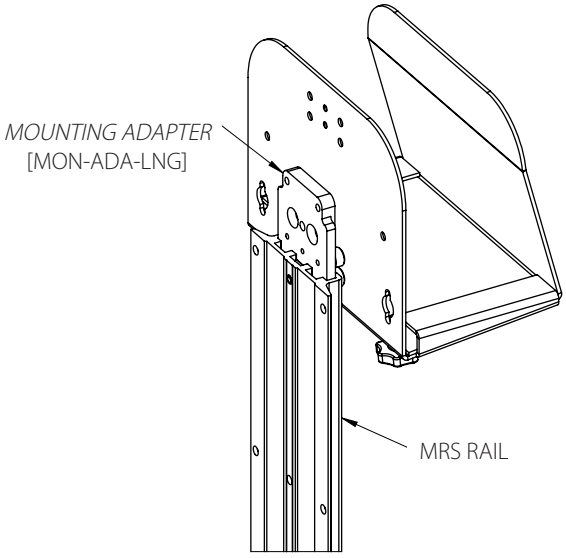
⚠ **WARNING:** ENSURE RAIL IS STABLE AND PROPERLY INSTALLED BEFORE MOUNTING CPU MOUNT.

ⓘ **NOTE:** The *MONITOR BRACKET STOPPER* (TOP) and the *MONITOR BRACKET STOPPER* (BOTTOM) are there to prevent the *MOUNTING ADAPTER* from sliding out of the rail. The *MOUNTING ADAPTER* must be taken out of the top of the MRS rail with the *MONITOR BRACKET STOPPER* (TOP) pressed back into the MRS rail **(Figure 2)**.

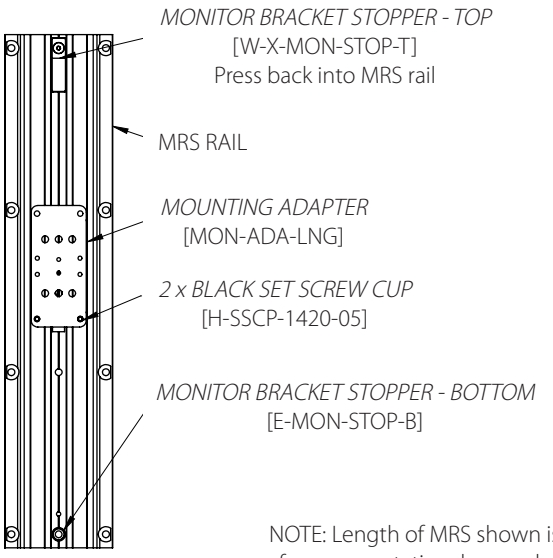
ⓘ **NOTE:** Figure 2 shows the *MOUNTING ADAPTER* without the CPU mount. This is only for clarity.

INSTRUCTIONS

1. Lift up the CPU mount and guide the *MOUNTING ADAPTER* into the top of the MRS rail as shown **(Figure 1).**
2. Once the CPU mount is in the desired position on the MRS rail, tighten *2 x BLACK SET SCREW CUPS* to the tightest possible position on the MOUNTING ADAPTER using a 1/8" hex key.



(Figure 1)



(Figure 2)

Section 3: Installation on Mounting Platform

Mounting on VRS/Ohmeda Rail:

⚠ **WARNING:** ALL VERTICAL ADAPTERS MUST BE SITTING IN THE RAIL SECURELY OR SERIOUS INJURIES CAN RESULT.

⚠ **WARNING:** TO PREVENT THE VERTICAL ADAPTER OR OHMEDA ADAPTER FROM FALLING DOWN THE RAIL, ENSURE THAT THE ADAPTER LOCK KNOBS ARE FASTENED TO THE TIGHTEST POSSIBLE POSITION.

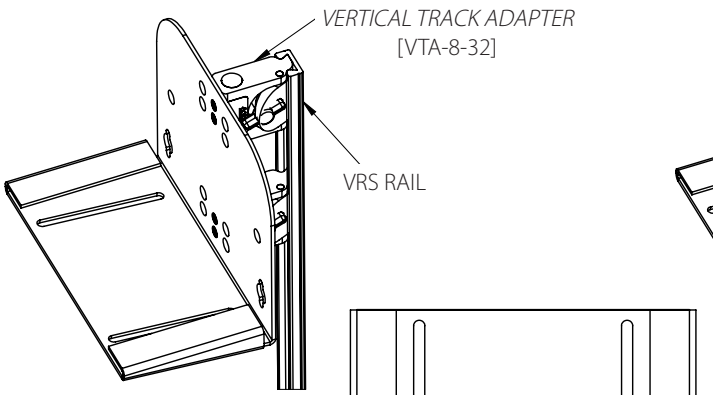
⚠ **WARNING:** ENSURE RAIL IS STABLE AND PROPERLY INSTALLED BEFORE MOUNTING CPU MOUNT.

⚠ **WARNING:** THE MOUNTING ADAPTER FOR OHMEDA RAILS DIFFERS FROM THE MOUNTING ADAPTER OF VRS. THE ADAPTERS ARE NOT CROSS-COMPATIBLE BUT SHARE THE SAME MOUNTING TECHNIQUE. ONLY THE VRS ADAPTER IS SHOWN BELOW.

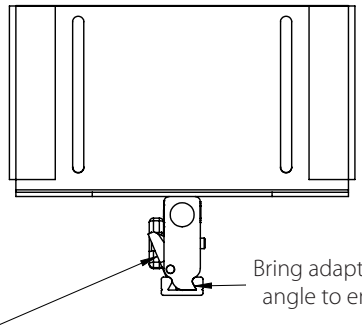
NOTE: When the *VERTICAL ADAPTER LOCK KNOB* is turned clockwise, it causes the lock of the adapter to slide inward, locking the adapter onto the rail. When it is turned counter-clockwise, it causes the adapter to slide outward, unlocking the adapter **(Figure 3)**.

INSTRUCTIONS

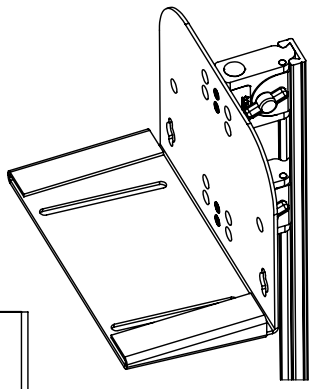
1. Angle the adapter from the left of the *VRS/OHMEDA* rail and rotate the adapters into the groove of the rail **(Figures 1 and 2)**.
2. Tighten the *VERTICAL ADAPTER LOCK KNOB* when adapter is at the desired height. Ensure it is completely tightened **(Figures 3 and 4)**.



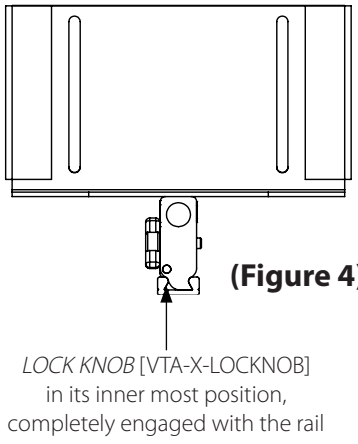
(Figure 1)



(Figure 2)



(Figure 3)



(Figure 4)

Section 3: Installation on Mounting Platform

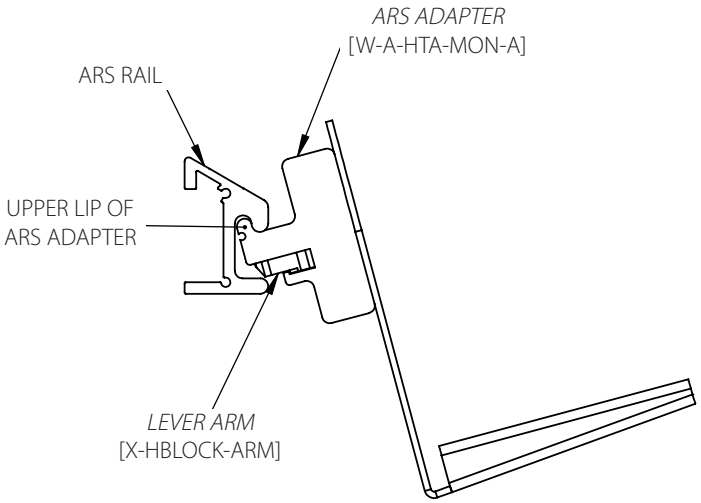
Mounting on ARS:

⚠ **WARNING:** AFTER THE MOUNTING ADAPTERS ARE INSTALLED, ENSURE THAT THE LEVERS ON THE MOUNTING ADAPTERS ARE PRESSED IN AS FAR AS POSSIBLE AND THE ADAPTERS ARE PLACED CORRECTLY INSIDE THE RAIL BEFORE MOUNTING DEVICES.

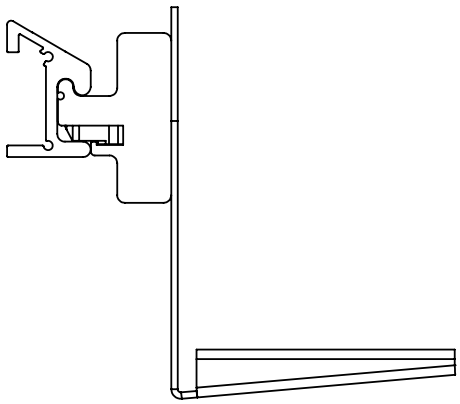
⚠ **WARNING:** ENSURE RAIL IS STABLE AND PROPERLY INSTALLED BEFORE MOUNTING CPU MOUNT. DO NOT MOUNT CPU MOUNT WHILE LOADED.

INSTRUCTIONS

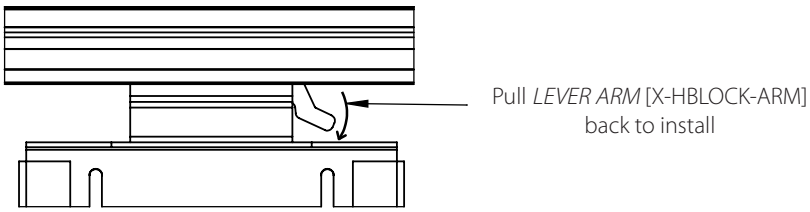
1. Install CPU mount onto rail by angling the upper lip into the inside lip of the ARS rail **(Figure 1)**, pull the *LEVER ARM* back against the *HORIZONTAL TRACK ADAPTER* and push into the rail. Once secure, release the *LEVER ARM* **(Figure 2)**.



(Figure 1)



(Figure 2)



Section 3: Installation on Mounting Platform

Mounting on FRS and LRS:

⚠ **WARNING:** DO NOT ATTEMPT TO MOUNT/REMOVE THE CPU MOUNT FROM THE RAIL WHEN LOADED.

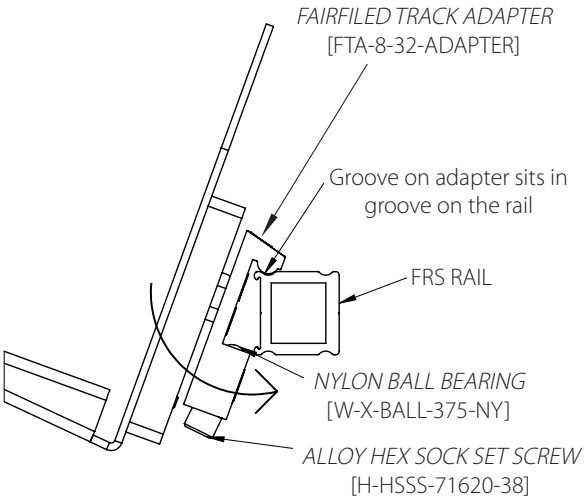
⚠ **WARNING:** DO NOT MOUNT SYSTEM ANWHERE NEAR OR ABOVE A PATIENT'S HEAD.

⚠ **WARNING:** ENSURE RAIL IS STABLE AND PROPERLY INSTALLED BEFORE MOUNTING CPU MOUNT.

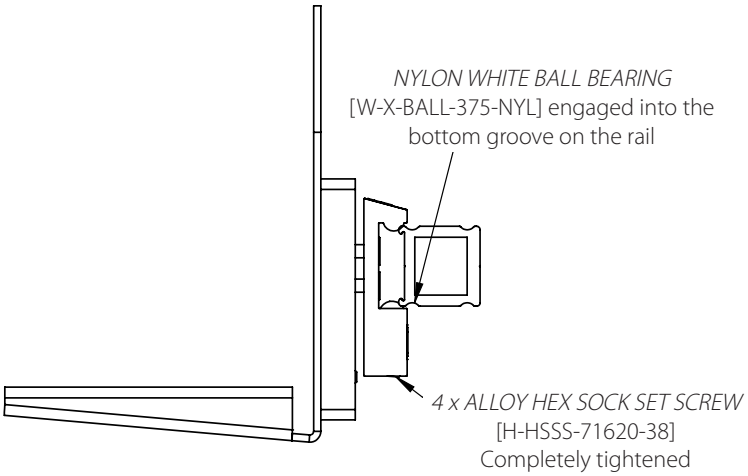
NOTE: The FRS rail and the LRS rail use the same *FAIRFIELD TRACK ADAPTER*. The installation procedure is the same for both adapters. Only the *FAIRFIELD* configuration is shown below.

INSTRUCTIONS

1. Unscrew *2 x ALLOY HEX SOCK SET SCREWS*. Do not unscrew all the way, only until the top of the bearings are flush with the adapter surface. Push the CPU mount towards the rail (as shown by the arrow) and ensure the groove on the adapter sits in the groove on the rail **(Figure 1)**.
2. Completely tighten the bearings and ensure the bearings sit on the bottom groove of the *FRS* rail **(Figure 2)**.



(Figure 1)



(Figure 2)

Section 3: Installation on Mounting Platform

Mounting on Hill-Rom/HSI Rail Systems:

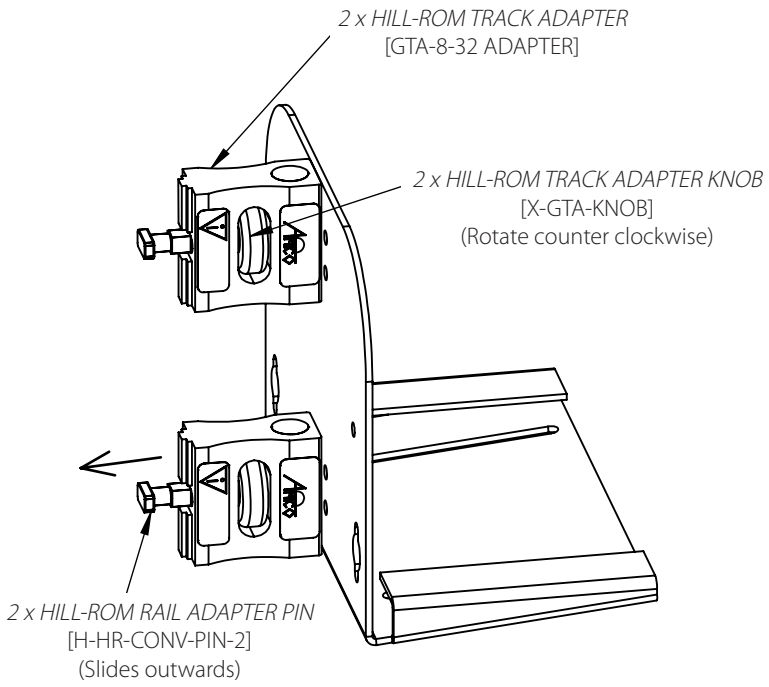
⚠ **WARNING:** TO PREVENT THE MOUNTING ADAPTER FROM FALLING DOWN THE CHANNEL, ENSURE THAT THE KNOBS ARE SECURED TO THE TIGHTEST POSSIBLE POSITION.

⚠ **WARNING:** ENSURE RAIL IS STABLE AND PROPERLY INSTALLED BEFORE MOUNTING CPU MOUNT.

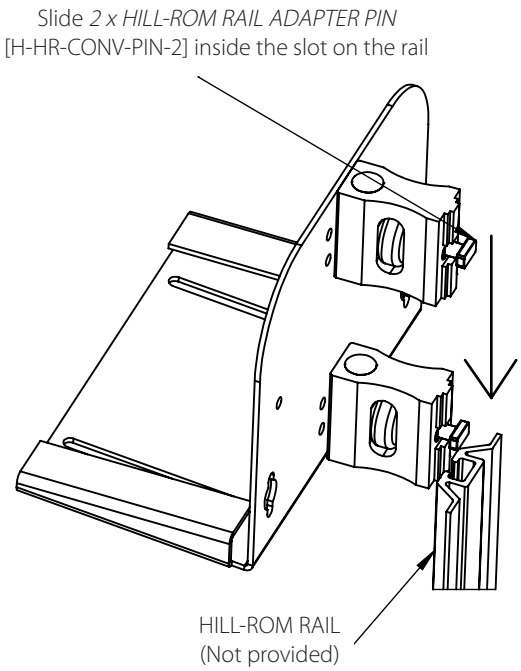
NOTE: The HSI rail system uses the *HSI TRACK ADAPTERS* instead of the *HILL-ROM TRACK ADAPTERS*. The mounting techniques for both adapter types are the same. ONLY the *HSI VERTICAL* rail configuration is shown below.

INSTRUCTIONS

1. Rotate the 2 adapter knobs counter clockwise in order to loosen and slide out 2 Hill-Rom rail *ADAPTER PINS* **(Figure 1)**.
2. Slide the *RAIL ADAPTER PINS* down the Hill-Rom rail channel towards the desired height **(Figure 2)**. Ensure both *VERTICAL TRACK ADAPTERS* are in the rail. Once in, rotate the 2 *ADAPTER KNOBS* clockwise to tighten the *RAIL ADAPTER PINS* onto the rail. Ensure the knobs are in the completely tightened and the CPU mount is secure on the rail.



(Figure 1)



(Figure 2)

Section 4: Device Installation

Device Configuration Recommendations

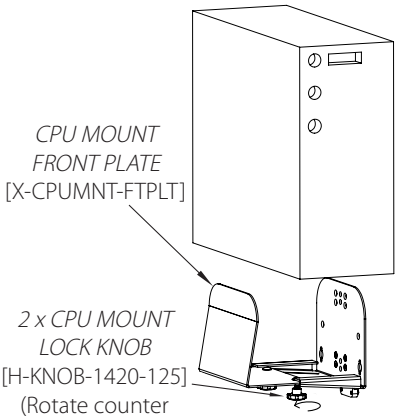
Mounting of Devices

⚠ **WARNING:** VERIFY THE WEIGHT OF THE DEVICE TO BE MOUNTED. CPU MOUNTS ARE RATED AT 20 LBS TOTAL LOAD.

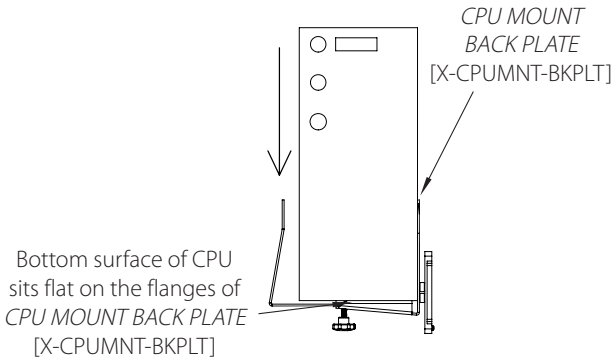
⚠ **WARNING:** ENSURE THE CPU MOUNT IS SECURELY MOUNTED BEFORE ATTACHING DEVICE.

INSTRUCTIONS

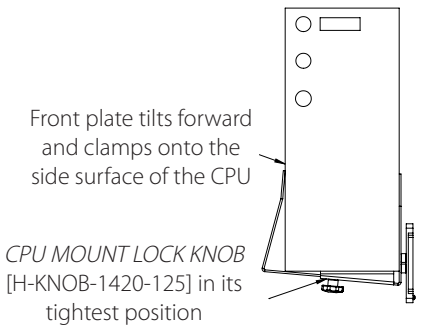
1. Rotate the 2 *CPU MOUNT LOCK KNOBS* counterclockwise until the *CPU MOUNT FRONT PLATE* is loose enough to slide out. DO NOT unscrew all the way **(Figure 1)**.
2. Slide the *CPU MOUNT FRONT PLATE* to its outer most positon and carefully mount CPU into the allocated space. Ensure the bottom of the CPU sits flat on the flanges on the *CPU MOUNT BACK PLATE* **(Figure 2)**.
3. Slide the *CPU MOUNT FRONT PLATE* inwards until the top edge sits flat with the side surface of the CPU **(Figure 3)**.
4. While applying pressure on the *CPU MOUNT FRONT PLATE* at the face labelled "A" with one hand, in the direction of the arrow, rotate the 2 *CPU MOUNT LOCK KNOBS* clockwise to the tightest position to lock the CPU in place (**Figure 4)**. This will cause the *CPU MOUNT FRONT PLATE* to tilt forward and clamp the CPU. DO NOT tighten the *CPU MOUNT LOCK KNOBS* individually. Instead, slightly tighten one, move on to the other and back again to the first until both are tight. For best results, it is recommended to be installed by 2 people where one applies a constant pressure at face "A" while the other tightens the knobs simultaneously.



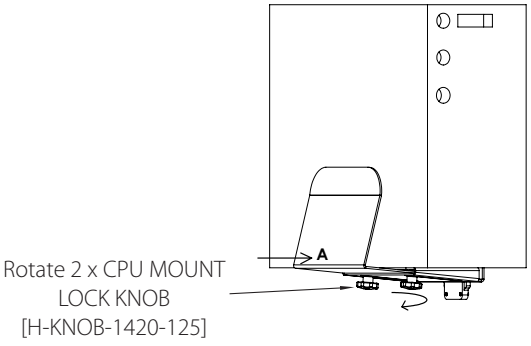
(Figure 1)



(Figure 2)



(Figure 3)



(Figure 4)

Section 4: Device Installation

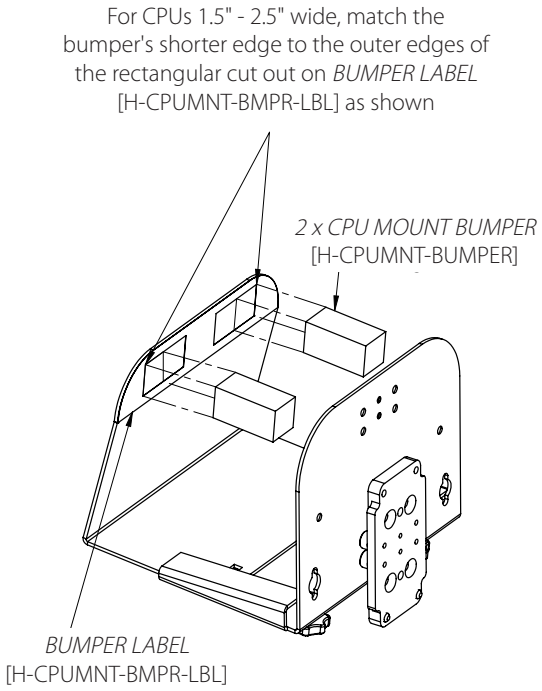
Mounting Devices Less Than 3.5" Wide

NOTE: Ensure the CPU is not mounted before proceeding. For CPUs sized 1.5" - 2.5", attach the bumpers as shown in **Figure 1**. For CPUs sized 2.5" - 3.5", attach the bumpers as shown in **Figure 2.**

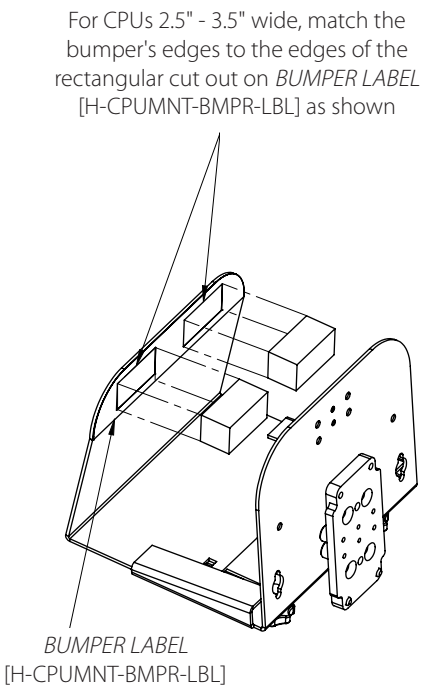
NOTE: The bumpers should be centralized and about 3.5" - 4" apart.

INSTRUCTIONS

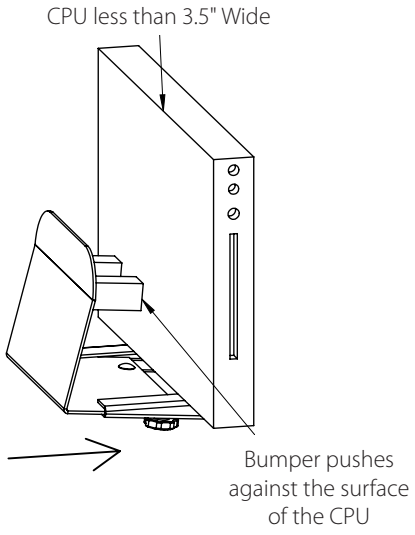
1. Peel off the liner from the adhesive on the *CPU MOUNT DOUBLE SIDED TAPE* and attach *RUBBER BUMPERS* in the rectangular cut outs on the STICKER LABEL **(Figure 1 and 2).**
2. Ensure that the tape is properly attached to the face with no air bubbles. Follow steps from the "MOUNTING THE DEVICE" section, but instead of the *CPU MOUNT FRONT PLATE*, the front face of the bumper is to be pressed against the surface of the CPU **(Figure 3)**.



(Figure 1)



(Figure 2)



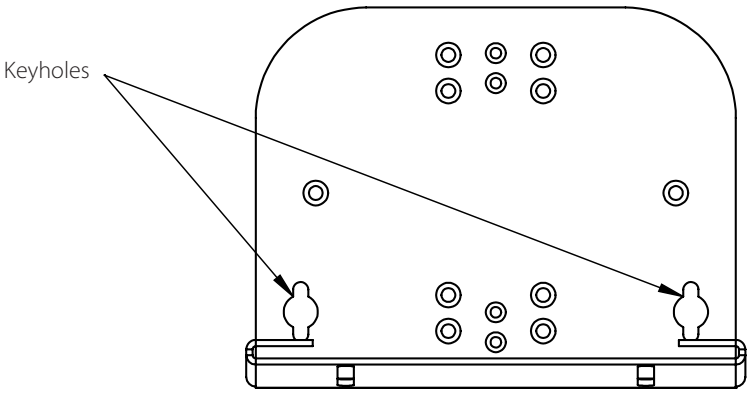
(Figure 3)

Section 5: Adjustments

NOTE: Ensure the CPU mount has no device before proceeding.

INSTRUCTIONS

1. In order to make adjustments to the CPU mount or the device it is mounted on, rotate the 2 *CPU MOUNT LOCK KNOBS* counter clockwise slightly to loosen the *CPU MOUNT FRONT PLATE.* Slide the *CPU MOUNT FRONT PLATE* in or out as desired, and tighten the knobs again.
2. To adjust the position of the CPU mount, first unload, then loosen by reversing the mounting instructions. Adjust the CPU mount and then secure into place as per mounting instructions.
3. For locking, the keyholes in the *CPU MOUNT BACK PLATE* can be used to attach a Kensington lock to the CPU.



Section 6: Maintenance and Troubleshooting

Troubleshooting Guide

To secure a loose CPU, refer to Section 4 (Adjustments) of this manual.

Symptom	Possible Cause	Solution
CPU appears tilted/not centered	Loose mounting configuration or CPU has shifted	Re-center CPU and refer to instructions in Section 4 (Adjustments)
CPU is shifting	Improper bumper placement	Re-center CPU and refer to instructions Section 3 (Mounting Devices Less Than 3.5" Wide)
	Loose device configuration	Re-center CPU and refer to instructions in Section 4 (Adjustments)

Preventative Maintenance

⚠ **WARNING:** The intervals shown are recommended. Maintenance schedules should be more frequent for higher use areas.

It is recommended that once every **month**, all locks, bolts and screws are visually inspected for signs of product wear and tear or damage. Check the product for CPU looseness in the mount or orientation, and ensure the adapter is secured to the rail or wall channel system.

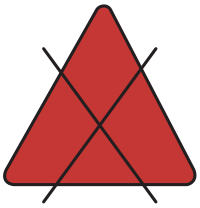
Ensure the two (2) set screws on the channel and two thumb screws are fastened to the tightest possible position and ensure device is secure.

Section 7: Cleaning

⚠ **WARNING:** THE CLEANING CHEMICALS AND METHODS BELOW ARE NOT MEANT FOR CONTROLLING ANY INFECTIONS. IT SHALL BE THE RESPONSIBILITY OF THE HOSPITAL OR THE HOSPITAL'S INFECTION CONTROL OFFICER TO SANITIZE THE EQUIPMENT.

⚠ **WARNING:** PLEASE DO NOT SPRAY ANY CHEMICAL DIRECTLY ONTO THE CPU MOUNT. APPLY ONTO A SOFT CLOTH AND WIPE CLEAN TO PREVENT CHEMICALS GETTING INTO THE INTERNAL COMPONENTS OF THE CPU MOUNT.

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 chemical and solvent such as acetone and trichloroethylene. Steel wool or other abrasive material should never be used. Damaged caused by the use of unapproved substances or processes will not be warranted. It is recommended that you test any cleaning solution on a small area of the CPU mount that is not visible to verify compatibility. Never submerge the CPU mount and do not allow liquids to enter it. Wipe any cleaning agents off the CPU mount immediately using a water-dampened cloth. Dry the CPU mount thoroughly after.

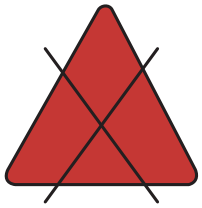


No Acetone

Acetone is a colorless, mobile, flamable liquid

Acetone

(Figure 1)



No Trichloroethylene

Trichloroethylene is a chlorinated hydrocarbon commonly used a ans individual solvent

Trichloroethylene

(Figure 2)

Warranty Policy - Equipment Mounting Solutions

Amico Accessories Inc. warrants all mounting accessories to be free from defects in material and workmanship for a period of twelve (12) months from the date of shipment. Within this period Amico Accessories Inc. will repair or replace any part which is proven to be defective.

Amico Accessories Inc. will warrant its materials to be free from defect for an additional period of four (4) years, (five [5] years from the date of shipment). Within this period, Amico Accessories Inc. will replace any part which is proven to be defective, at no charge. Shipping and Installation costs after the first twelve (12) months will be borne by the Customer.

This warranty is valid only when the product has been properly installed according to Amico Accessories Inc. specifications, used in a normal manner and serviced according to factory recommendations. It does not cover products that are not manufactured by Amico Accessories Inc. It does not cover failures due to damage which occurs in shipments or failures which result from accidents, misuse, abuse, neglect, mishandling, alteration, misapplication or damage that may be attributable to acts of God.

Amico Accessories Inc. shall not be liable for incidental or consequential damages resulting from use of equipment.

All claims for warranty must first be approved by Amico Accessories Inc. A valid Return Goods Authorization (RGA) number must be obtained from Amico Accessories Inc. prior to commencement of any service work. Warranty work, which has not been pre-authorized by Amico Accessories Inc., will not be reimbursed.

AMICO ACCESSORIES INC. DOES NOT HONOR VERBAL STATEMENTS CONCERNING THE WARRANTY.

The distributor and/or dealer are not sanctioned to create verbal warranties about the product described in this agreement. Any statements will not be honored or be made part of the agreement of sale. This document is the final complete and exclusive terms of the agreement.

THIS WARRANTY IS INCLUSIVE AND REPLACES ALL OTHER WARRANTIES.

Amico Accessories Inc. shall not, under any circumstances be liable for incidental or consequential damages including, but not limited to, profit, loss of sales or injuries to person(s) or property. Correction of noncompliance as noted above will result in completion of all liabilities of Amico Accessories Inc., whether based on agreement, neglect or changed materials, designs or specifications without notice.

All claims for warranty must first be approved by Amico Accessories Inc. Service Department: accessories@amico.com or 1.877.264.2697). A valid Return Goods Authorization number must be obtained from Amico Accessories Inc. prior to commencement of any warranty claim.

www.amico.com

Amico Accessories Inc. | 85 Fulton Way, Richmond Hill, ON L4B 2N4, Canada
Toll Free Tel: 1.877.264.2697 | Tel: 905.763.7778 | Fax: 905.763.8587
Email: info@amico-accessories.com | www.amico.com

AA-IM-CPU-MOUNT 04.16.2018