



TECHNIMOUNT
EMS®

CARDIATEK®

USER GUIDE



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Automated Impella Controller® is a registered trademark of Abiomed.

In order to ensure continuous improvements to our products and services, we invite you to communicate your comments to our Customer Service Department at customerservice@technimount.com.

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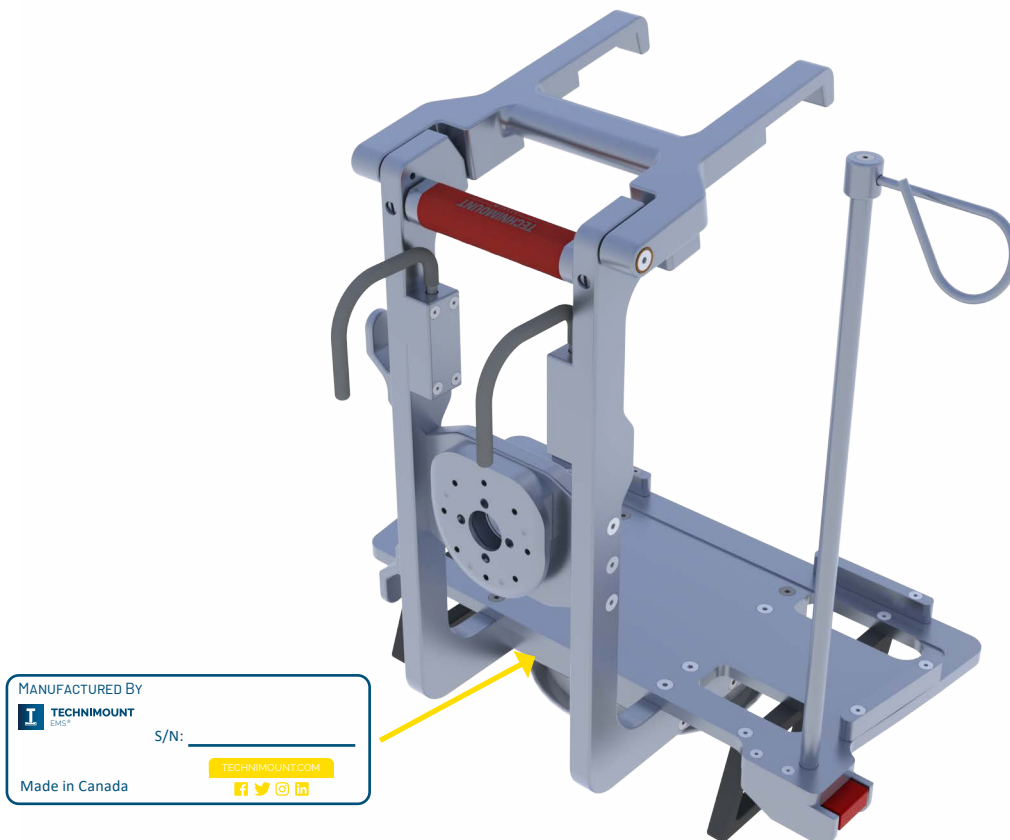
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NOTE:

For any issues with your Technimount product, its components, or for any technical questions during the installation or maintenance processes, please send an email to techsupport@technimount.com

Please have the serial number of your Technimount product available (as shown in the figure below) when calling Technimount Technical Support. Include the serial number in all written communications.

SERIAL NUMBER LOCATION



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INTRODUCTION

This user guide is designed to assist you with the installation, operation and maintenance of the Technimount Cardiatek Bracket, Cardiatek Wall Mount System and Cardiatek Floor Mount System.

PRODUCT DESCRIPTION

The Technimount Cardiatek Mounting System is the only universal solution to mount the Automated Impella Controller (AIC) in different applications such as, on surface, floor and wall systems. It can fit any ground and air ambulance configuration in North American and European markets. It is designed to securely support and transport the AIC in pre-hospital and hospital environments. When used in emergency vehicles with Technimount's Cardiatek Floor Mount or Cardiatek Wall Mount Systems, it provides a higher flexibility for different EMS protocols and applications.

CARDIA TEK BRACKET

The Cardiatek mounting bracket is designed for the Automated Impella Controller (AIC) device. This Technimount solution is a flexible system that can be used in different applications, such as on surface, floor and wall systems. With the use of the floor mount, this bracket is compatible with the floor platform of air ambulances in Europe. The wall mount and bracket can be used for ground ambulances in Europe and North America.

CARDIA TEK WALL MOUNT

The Cardiatek Wall Mount is designed for the Automated Impella Controller (AIC) mounting bracket. It is comprised of a high-density aluminum frame that includes a Micro Base to accommodate the small Anti-Rotation Micro Disc on the back of the mounting bracket. Four Quick Release Clamps are used to secure the wall mount on ground ambulance wall rails in Europe and North America.

CARDIA TEK FLOOR MOUNT

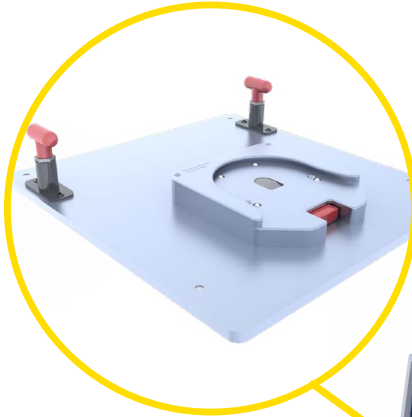
The floor mount is designed for floor rails of air ambulances in Europe. The system is comprised of a high-density aluminum plate with T-shape handles with stainless steel plungers for easy installation into the floor rails. The floor mount with a Standard Surface Base can accommodate the Cardiatek mounting bracket, as well as a multitude of different medical devices that have a Technimount bracket and Standard Bottom Disc.

INTENDED USE OF THE PRODUCT

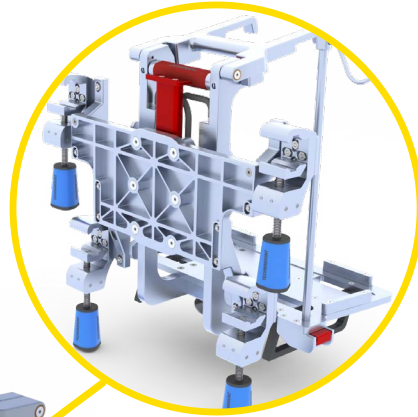
The Cardiatek System is a mounting solution to securely transport the Automated Impella Controller during EMS, Critical Care Transport, hospital and military transport. It is designed to be installed on the equipment as described in this user guide. This equipment is for crew who has received the appropriate training necessary to operate the equipment in the field according to its intended use as outlined in this user guide. Please read this user guide thoroughly before using this equipment. To ensure the safe operation of this equipment, it is recommended to train staff prior to use.

POSSIBLE MOUNTING OPTIONS FOR THE CARDIATEK BRACKET

Air Ambulance
Floor Mount



Wall Mount System
(Ground Ambulance in Europe)



Standard Surface Base

SYMBOLS AND DEFINITIONS

<u>SYMBOL</u>	<u>DESCRIPTION</u>
	Warning and Caution, special attention is required. Consult accompanying documents
	Safe working load symbol
	European Authorized Representative
	Medical Device Manufacturer
	Reference Number/Model Number
	Device Weight
	CE Mark
	UK RP Mark

WARNING / CAUTION / NOTE

The word warning, caution, or note carry special meaning and should be carefully reviewed.

<u>SYMBOL</u>	<u>DESCRIPTION</u>
	WARNING Alerts the reader about a situation which, if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.
	CAUTION Alerts the reader of a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property. This includes special care necessary for the safe and effective use of the device to avoid damage that may occur as a result of use or misuse.
NOTE	Provides special information about the product.

PRODUCT ILLUSTRATION

CARDIA TEK BRACKET

Front View

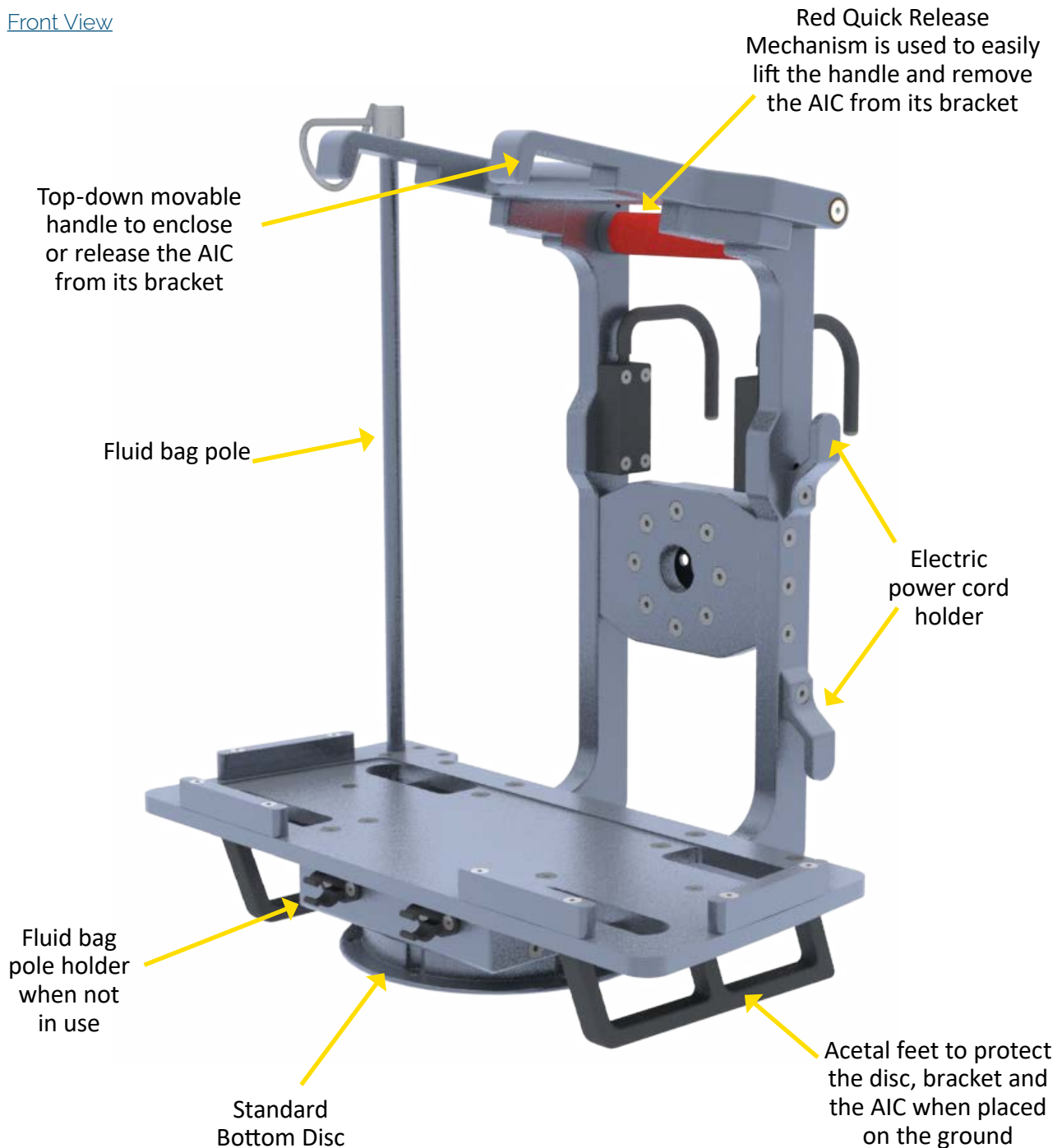


FIGURE 1. CARDIA TEK BRACKET FRONT VIEW

PRODUCT ILLUSTRATION (CONTINUED)

CARDIA TEK BRACKET (CONTINUED)

[Back View](#)

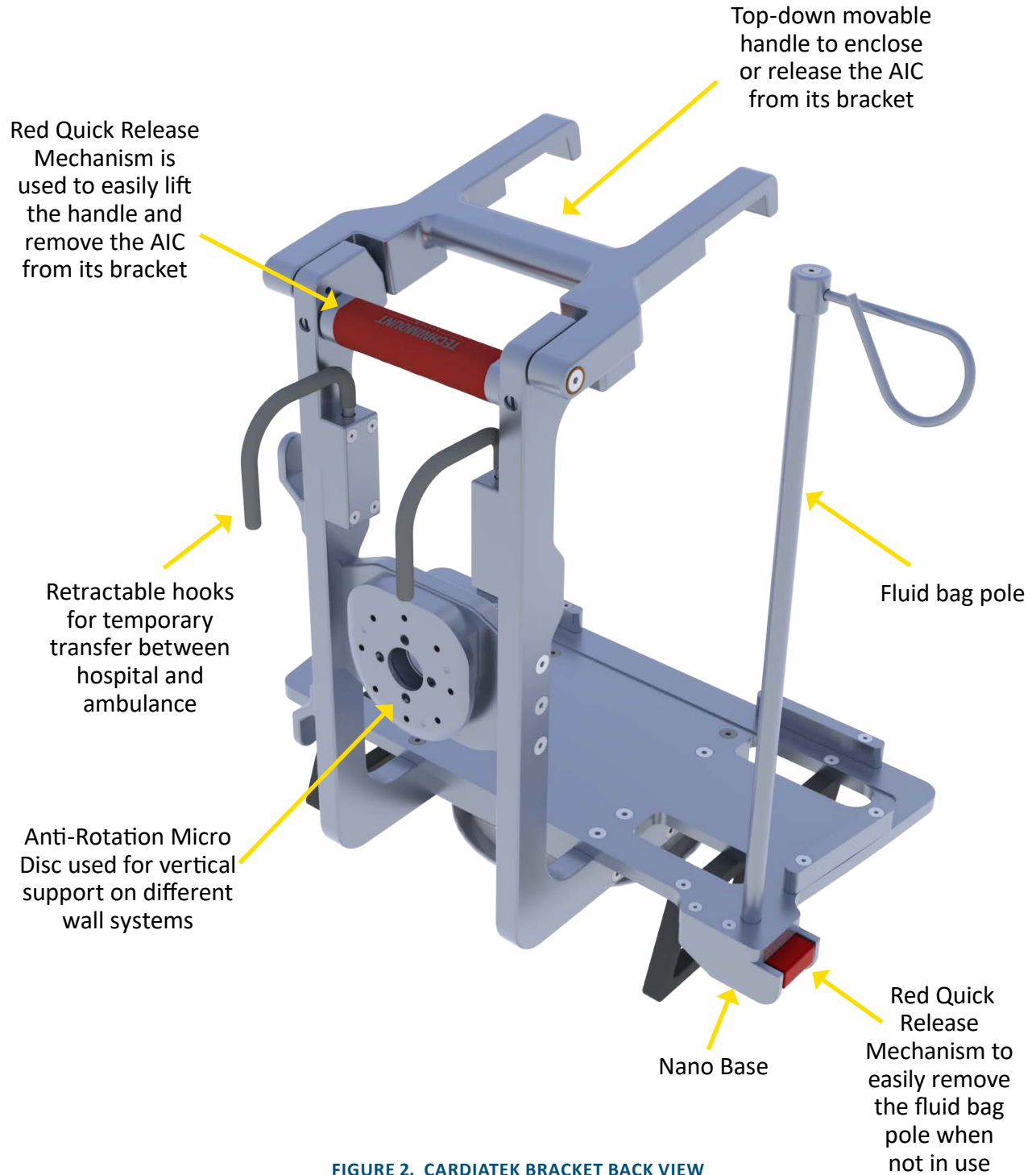


FIGURE 2. CARDIA TEK BRACKET BACK VIEW

PRODUCT ILLUSTRATION (CONTINUED)

CARDIA TEK WALL MOUNT SYSTEM

Front View

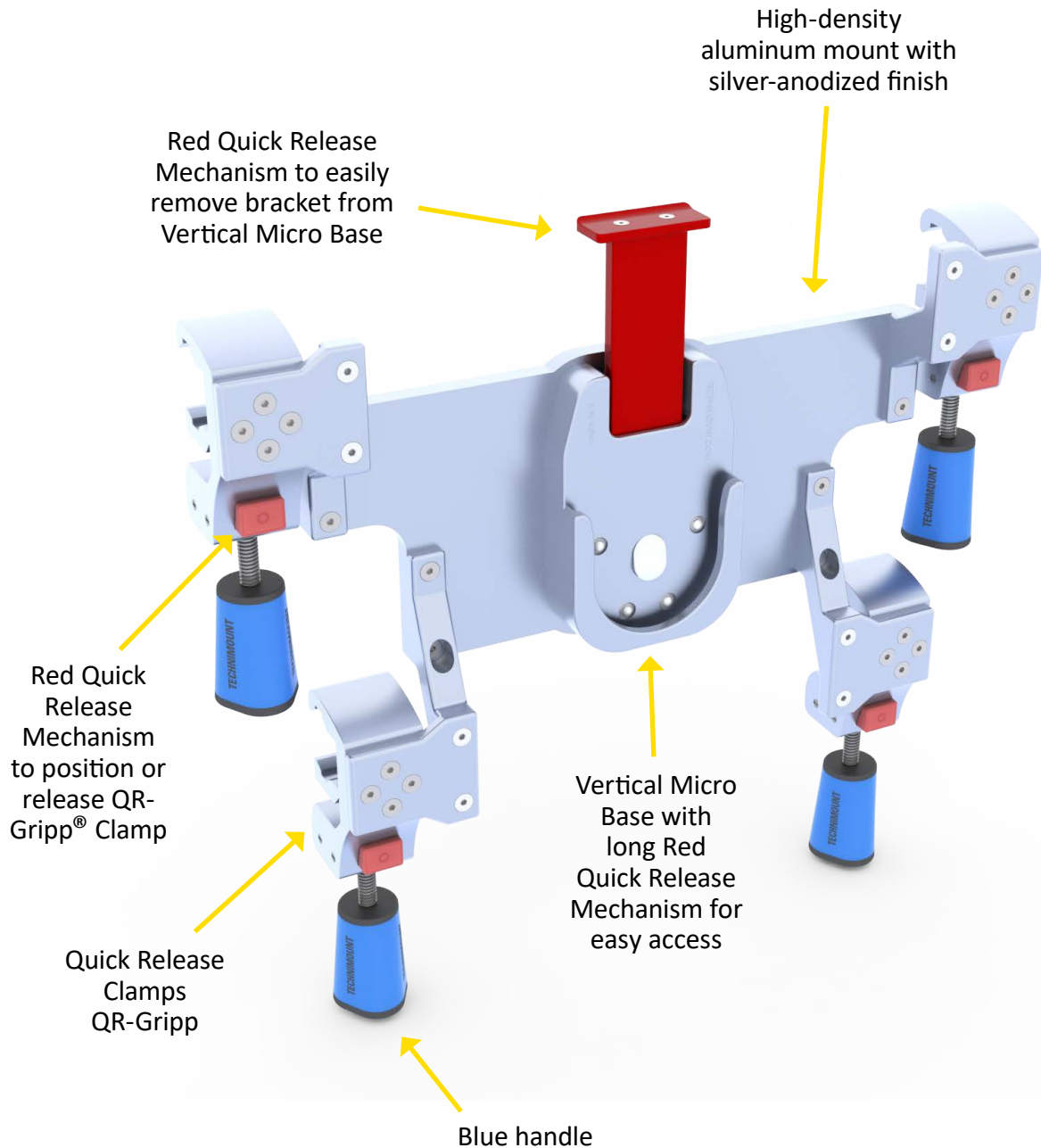


FIGURE 3. CARDIA TEK WALL MOUNT SYSTEM FRONT VIEW

PRODUCT ILLUSTRATION (CONTINUED)

CARDIA TEK WALL MOUNT SYSTEM (CONTINUED)

[Back View](#)

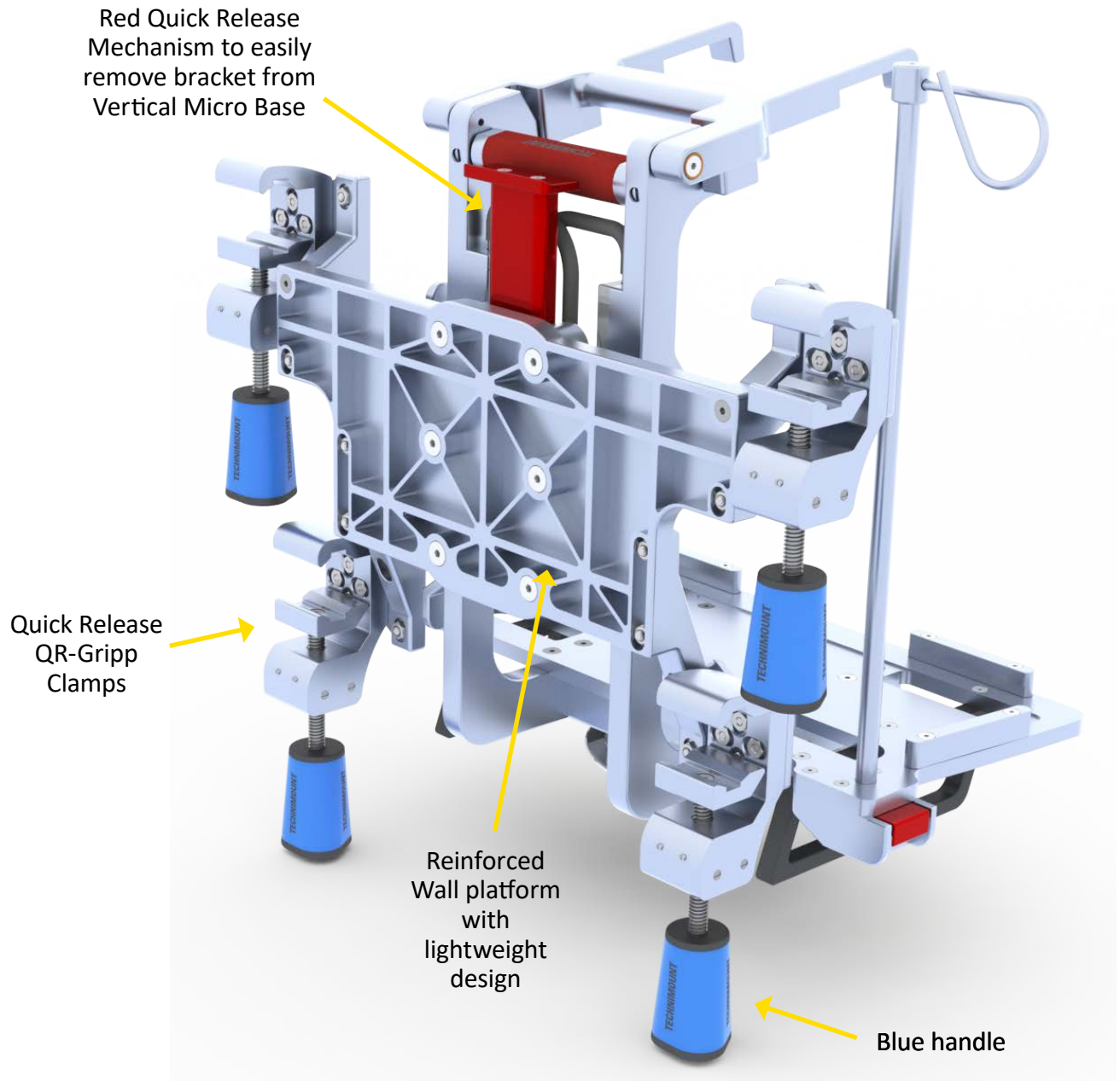


FIGURE 4. CARDIA TEK WALL MOUNT SYSTEM BACK VIEW

PRODUCT ILLUSTRATION (CONTINUED)

CARDIA TEK FLOOR MOUNT SYSTEM

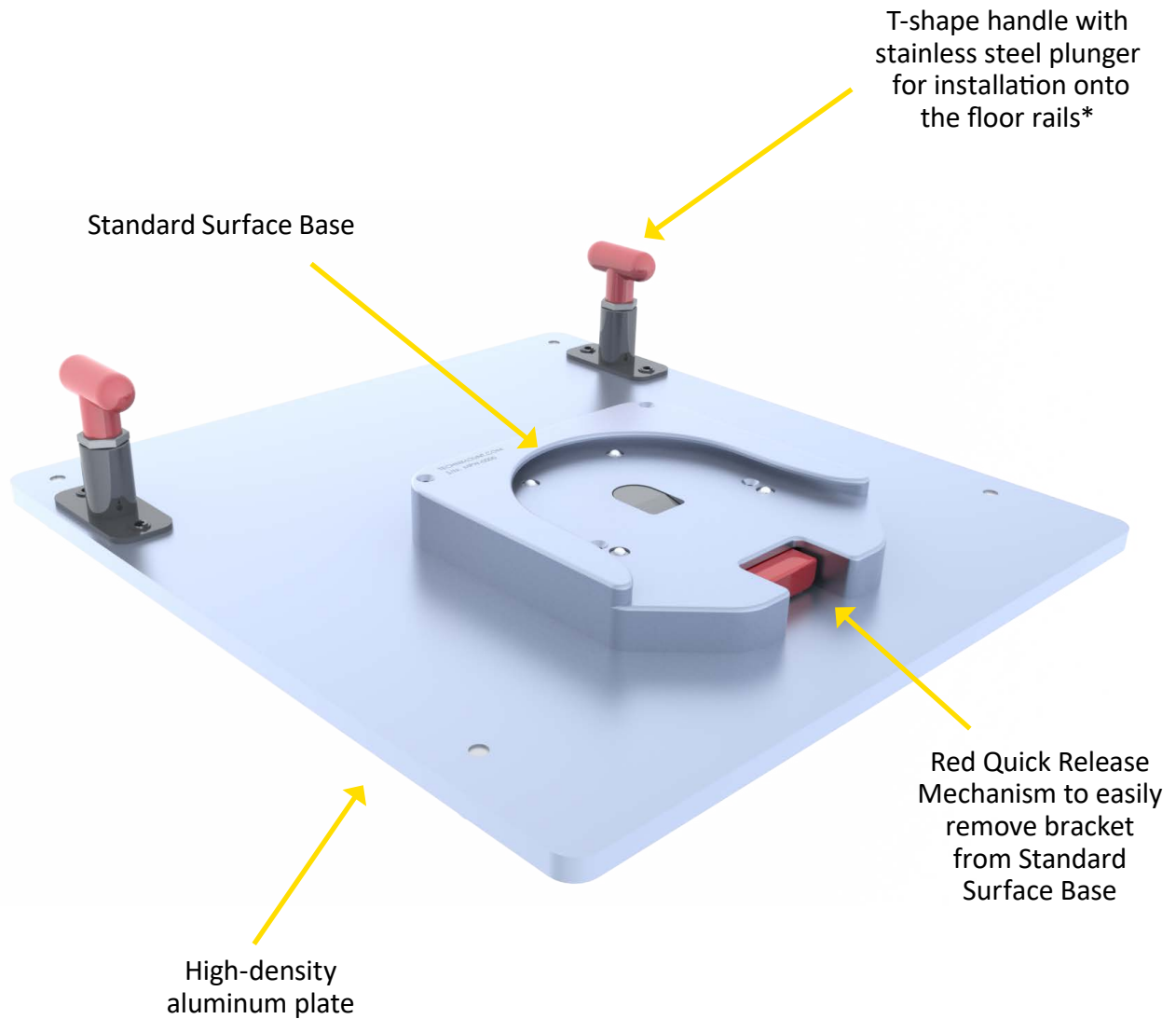


FIGURE 5. CARDIA TEK FLOOR MOUNT SYSTEM FRONT VIEW

* Product colours may vary from those shown in the image above.

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INTRODUCTION

SPECIFICATIONS

CARDIATEK - BRACKET

Product Name	Cardiatek®
Product Description	Dual disc bracket mounting system to secure the Automated Impella Controller® on surfaces, walls and floors in emergency vehicles
Compatibility of Medical Device*	Automated Impella Controller® (AIC) from Abiomed
Environment of Usage	EMS (Ground & Flight) – Hospital/Clinic, Military
Product Section Material	• Main Assembly: Aluminum 6061-T6 • Standard Bottom Disc: Aluminum 6061-T6 with 304 Stainless Steel Insert • Anti-Rotation Micro Disc: Aluminum 6061-T6
Product Finish	• Main Assembly: Silver-Anodized Finish • Standard Bottom Disc: Silver-Anodized Finish • Anti-Rotation Micro Disc: Silver-Anodized Finish
Temperature of Usage	- 31° F to 113° F (- 35° C to 45° C)
Certification	Tested in Compliance with: • SAE J3043 (26 G) Designed to Comply with: • FAA-FAR-DOT 27.561 & DOT 27.562 (Flight) • EN 1789 (10 G)
Impact Resistance - Flight	FAA – FAR -DOT 27.561 & DOT 27.562 up to 20G
European Standard	CE Mark
Installation	Device Retained on Platform - Top Down Handle for Locking
Attachment Options	2 Locking Discs – Standard Bottom Disc – Anti-Rotation Micro Disc
Quick Release Mechanism	One-Hand Red Quick Release Mechanism to Easily Remove Device from Bracket
Canister – Fluid Bag Holder	Removable Canister and Fluid Pole Holder
Transportation Compatibility System	Compatible with Technimount's • Standard Surface Base • Floor Mount Platform (Flight) • Wall Mount Systems
Features	• Access to all Connectors and Accessories • No Attachment Point on the Medical Device • Retractable hooks for Temporary Transport Between Hospital and EMS • Electrical Power Cable Holder • Top Handle to Easily Carry Device
Physical Overall Dimensions (L x D x H)	16 in x 10 in x 17.25 in (40.64 cm x 25.4 cm x 43.81 cm)
Weight	12.1 lb (5.44 kg)
Part Number	• 552-10-AB-BR - Cardiatek® Bracket • 100-20-UN - Standard Surface Base

Note: Product and company names of medical equipment are Trademarks™ or Registered Trademarks® of their respective holders. Technimount does not have a commercial relationship with these medical equipment companies.

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SPECIFICATIONS

CARDIA TEK - WALL MOUNT

Product Name	Cardiatek® Wall Mount
Product Description	Wall mount designed to secure the Cardiatek bracket on wall rails in ground ambulances in Europe
Compatibility of Equipment	Compatible with all of Technimount's medical device mounting systems equipped with an Anti-Rotation Micro Disc
Environment of Usage	EMS (Ground & Flight) – Hospital/Clinic, Military
Product Section Material	• Main Plate: Aluminum 6061-T6 • Micro Base: Aluminum 6061-T6 • Handle: Red T-Shape Urethane Handles with Stainless Steel Plungers
Product Finish	• Main Plate: Silver-Anodized Finish • Micro Base: Silver-Anodized Finish
Temperature of Usage	- 31° F to 113° F (- 35° C to 45° C)
Certification	Tested in Compliance with: • SAE J3043 (26 G) Designed to Comply with: • EN 1789 (10 G) • FAA – FAR -DOT 27.561 & DOT 27.562 (20 G)
European Standard	CE Mark
Installation	Device Retained on Wall Rails with Quick Release Clamps - QR-Gripp® - Mechanical Resistance of 1000 lbs/Each Clamp
Attachment Options	Cardiatek Bracket is Retained on the Wall System with its Anti-Rotation Micro Disc Inserted and Locked Inside Micro Base
Quick Release Mechanism	Long Red Quick Release Mechanism to Easily Remove Device Bracket from the Wall Mount System's Vertical Micro Base
Transportation Compatibility System	EMS Aircraft or Ground Ambulance Equipped with Wall Rails (2 Rails are Required to Meet Safety Requirements)
Features	• Access to all Functionalities, Connectors and Accessories • Quick Installation and Removal of Bracket from Wall Mount
Physical Overall Dimensions (L x D x H)	18.01 in x 2.58 in x 15.46 in (45.74 cm x 6.55 x 39.26 cm)
Weight	8.50 lb (3.85 kg)
Part Number	553-20-AB-WA - Cardiatek® Wall Mount

Note: Product and company names of medical equipment are Trademarks™ or Registered Trademarks® of their respective holders. Technimount does not have a commercial relationship with these medical equipment companies.

SPECIFICATIONS (CONTINUED)

CARDIA TEK - FLOOR MOUNT

Product Name	Cardiatek® Floor Mount
Product Description	Floor mount designed to secure the Cardiatek bracket on air and ground ambulance floor rails in Europe
Compatibility of Equipment	Compatible with all of Technimount's medical device mounting systems equipped with a Standard Bottom Disc
Environment of Usage	EMS (Flight & Ground) – Hospital/Clinic, Military
Product Section Material	• Plate Section: Aluminum 6061-T6 • Standard Surface Base: Aluminum 6061-T6
Product Finish	• Plate Section: Silver-Anodized Finish • Standard Surface Base: Silver-Anodized Finish
Temperature of Usage	- 31° F to 113° F (- 35° C to 45° C)
Certification	Tested in Compliance with: • SAE J3043 (26 G) Designed in Compliance with: • EN 1789 (10 G) • FAA – FAR -DOT 27.561 & DOT 27.562 (Flight)
European Standard	CE Mark
Installation	Device Retained on the Standard Surface Base with Locking Mechanism
Quick Release Mechanism	Red Quick Release Mechanism to Easily Remove Device from Standard Surface Base
Transportation Compatibility System	EMS Aircraft or Ground Ambulance Equipped with Floor Rails
Features	• Access to all Connectors and Accessories • No Attachment Point on the Medical Device • Easily to Install and Remove the Medical Device when Needed with the Locking Mechanism and Red Quick Release Mechanism
Physical Overall Dimensions (L x D x H)	17.81 in x 16.81 in x 4.33 in (45.23 cm x 42.69 cm x 11 cm)
Weight	16.50 lb (7.5 kg)
Part Number	554-20-AB-FL - Cardiatek® Floor Mount

Note: Product and company names of medical equipment are Trademarks™ or Registered Trademarks® of their respective holders. Technimount does not have a commercial relationship with these medical equipment companies.

NOTICE

Technimount hereby declares that the Cardiatek Mounting Systems (Bracket, Wall Mount and Floor Mount) are in compliance with the general safety and performance requirements and other relevant provisions of the Directive EU Regulation 2017/745 and SAE J3043. Please contact Technimount Customer Service Department at (customerservice@technimount.com) for more information:

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WARNING

The end user and administrator are responsible to validate regulations and standards for safety in their region, in order to comply with applicable safety regulations. Technimount is not responsible to inform the end user and/or the administrator of applicable legislation for safety in their area.

SUMMARY OF SAFETY PRECAUTIONS

WARNING/CAUTION/NOTE

Carefully read and strictly follow all Warnings and Cautions listed in this manual. Servicing and maintenance should only be done by qualified personnel.



WARNING

- ✓ Always hold the Bracket with both hands when you manipulate it.
- ✓ To avoid injury, hands should be clear of the top of the medical device while pivoting handle to install or remove the medical device from its bracket.
- ✓ Always verify the top handle is locked prior to manipulating or lifting the mount with the unit on it.
- ✓ Improper usage of the Cardiatek Bracket can cause serious injury to the patient or operator. Operate the bracket only as described in this user guide.
- ✓ Do not modify the Cardiatek Bracket, Wall Mount or Floor Mount or any components of the systems. Modifying the product can cause unpredictable operation resulting in injury to the patient or operator.
- ✓ It is the responsibility of the operator of the Cardiatek Mounting Systems (Bracket, Wall Mount, and Floor Mount) to ensure equipment being used with the Technimount products meets the installation specifications. Injury may result if non-compatible products are used with Technimount products.
- ✓ Do not attempt to operate, install or remove the equipment while mobile. Ensure that installation and removal of equipment is done while vehicle or aircraft is immobilized.
- ✓ Failure to install and lock the system with the top handle can cause the medical device to fall during transportation and may cause injury to the patient or operator and may damage the product. Always secure the medical device within the Bracket and mounting system during transport.
- ✓ Practice loading and unloading the medical device (Locked during transportation and unlocking to unload and load medical equipment until operation of the product is fully understood. Improper use may cause injury to the operator.
- ✓ Do not allow untrained staff to assist in the operation of the Cardiatek System. Untrained technicians/staff can cause injury to the patient or themselves.
- ✓ Do not sit or ride on the Cardiatek Mounting Systems, damage to the product could occur, and may result in injury to the patient or operator.
- ✓ Operators must be able to safely lift the total weight of the Cardiatek System (Medical Device and Bracket), and any items attached to it.
- ✓ Never use the Cardiatek System if not properly installed and locked on the Cardiatek Wall Mount or Floor Mount. If not installed properly, the medical device could fall during transport and may cause injury to the patient or operator and/or damage to the product.
- ✓ Do not attach restraints to the Cardiatek frame, the Standard Surface Base, or on any other place of the Cardiatek system. It may result in damage to the System and/or result in injury to the patient or operator.
- ✓ Do not place any additional equipment or objects on the Cardiatek Bracket, Wall Mount, or Floor Mount, other than approved Technimount or components.
- ✓ If any serious incident occurs with the medical device (Automated Impella Controller), this should be reported to the medical device manufacturer and the appropriate authority of the member state in which the user and/or patient is established.

WARNING/CAUTION/NOTE (CONTINUED)



WARNING (CONTINUED)

- ✓ Always reposition the equipment with care, avoid any improper pushing or violent manipulation, as it may result in unbalanced equipment and may cause injury to the patient or operator and/or damage to the product.
- ✓ To avoid the risk of patient injury or equipment damage, ensure that you properly mount and secure the AIC correctly within its bracket and it is properly locked inside a mounting solution approved for EMS transport.
- ✓ Improper maintenance can cause injury to patient or operator or damage to the product. Maintain the Cardiatek Mounting Systems as described in this user guide. Use only Technimount approved parts and maintenance procedures. Using unapproved parts and procedures could cause unpredictable operation and/or injury and will void the product warranty.
- ✓ Failure to properly clean or dispose of corrosive products will increase the risk of premature damage and may cause injury to the patient or operator.
- ✓ Any installation on a surface, wall or on the structure of the vehicle or the aircraft has to be validated or inspected in order to ensure it maintains the integrity of the vehicle or the aircraft.
- ✓ Fluid Bag Pole is meant to be used only for the temporary transfer between the ambulance and hospital. This pole CANNOT be used inside the ambulance during EMS transport.

WARNING/CAUTION/NOTE (CONTINUED)



CAUTION

- ✓ Only certified technical personnel familiar with the Bracket installation and use should manipulate it. Refer to the Cardiatek user guide for all instructions for installing and using the Cardiatek Mounting Systems.
- ✓ Inspect regularly all components on the equipment for any issue and loose screws, bolts and nuts.
- ✓ Never install the Cardiatek mount into or on other similar mounting systems or brackets without written confirmation by Technimount as these different systems may be from other brands or models and may not be compatible with Technimount products.

NOTE

- ✓ Some cleaning products are corrosive in nature and may cause damage to the product if used improperly. If such products are used to clean Technimount equipment, the equipment must be rinsed with clean water and thoroughly dried following the cleaning. Failure to properly rinse and dry the Cardiatek Mounting Systems will leave a corrosive residue on the surface, possibly causing premature corrosion of critical components.
- ✓ When ordering, it is important to identify on which mounting system you need to mount the bracket on as there are different systems for different EMS applications, e.g., EMS ground or air mounting systems.
- ✓ A maintenance program should be established for all Technimount equipment. Preventive maintenance may need to be performed more frequently, based on the level of use of the product. Close attention should be given to safety features (i.e.: screws, Red Quick Release Mechanisms, and attachment points).
- ✓ Failure to use authorized parts, and lubricants, etc., could cause damage to the equipment and will void the warranty of the product.
- ✓ This user guide should be considered a permanent part of the Cardiatek Bracket, Wall Mount and Floor Mount and should remain with the product even if the equipment is subsequently sold.
- ✓ Technimount continually seeks advancements in product design and quality. Therefore, while this user guide contains the most current product information available at the time of printing, there may contain minor differences between your mounting system and this user guide. If you have any questions, please contact Technimount Customer Service or Technical Support at +1.581.998.9820.
- ✓ Do not put fingers or hands under the handle while lowering into position.

REMOVING THE PACKAGING FOR INSTALLATION

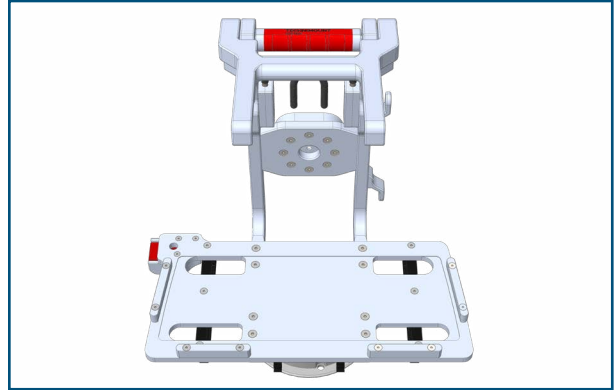
1. Unpack boxes and check all items for proper operation as the Cardiatek Mounting Systems are delivered fully assembled.
2. Ensure that all shipping and packaging materials have been properly removed from the product(s) prior to installation.
3. Identify all of the product components and hardware prior to starting the installation.
4. The Cardiatek Mounting Systems must work properly before they are put into service.
5. Refer to the identification of components at the beginning of this user guide if needed.

NO TOOLS REQUIRED FOR INSTALLATION

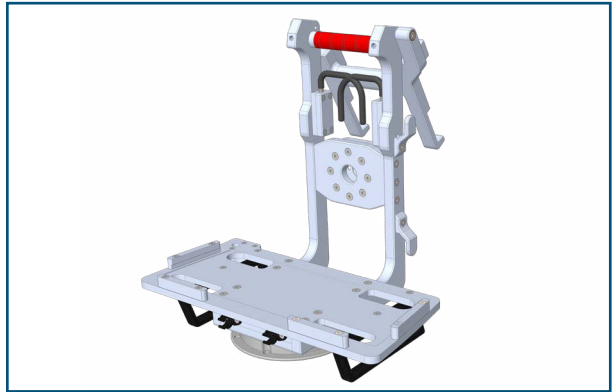
There are no tools required for installation as the Cardiatek Mounting Systems are already fully assembled when received. However, it is possible that some screws might have loosened during delivery. A basic Allen Key set could be required if there are any screws that have become loose. Ensure to put a few drops of red locktite on the screws prior to rescrewing tightly into place. If you have any questions regarding the installation, or need assistance, please contact our Technical Support team at techsupport@technimount.com

INSTALLATION OF THE AIC INTO THE CARDIA TEK BRACKET

1. Position the Cardiatek Bracket on a stable surface.
2. Place hand (4 fingers) on the Red Quick Release Handle, and thumb on the high-density aluminum part of the handle.
3. Pull the red part of the handle towards you.
4. While Red Quick Release Mechanism is engaged, lift the handle upwards towards the back of the mount.



5. Bring handle all the way to the back and leave it rest on the back of the mount while installing the AIC into the bracket.



6. Position the Automated Impella Controller onto the aluminum plate. The AIC should fit tightly within the bracket's frame.

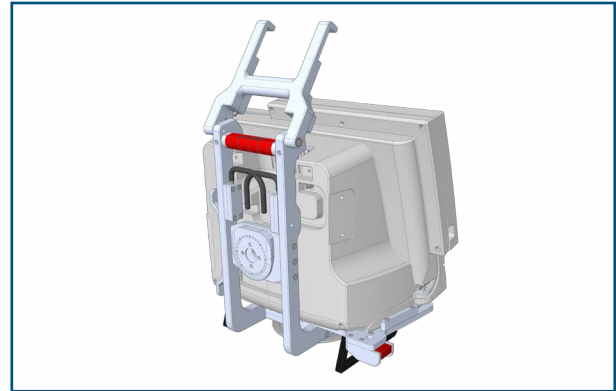


INSTALLATION OF THE AIC INTO THE CARDIATEK BRACKET

7. Take the handle and gently lower the handle onto the AIC to lock the handle securely into position.

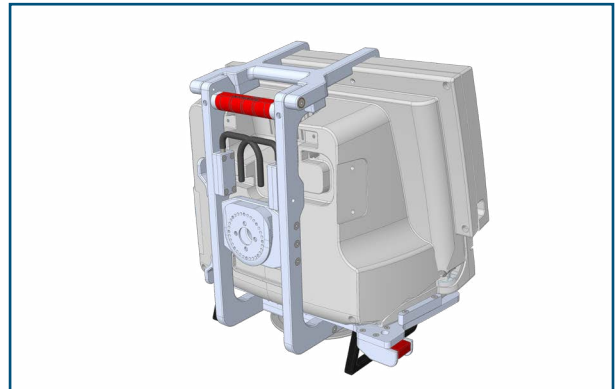
NOTE

Some rubber cushions have been provided to ensure a tighter fit with the bracket in order to limit the vibration of the AIC inside the bracket during transport.



WARNING

Ensure that the handle is properly locked into position prior to manipulating it or installing it onto another mounting system. Failure to do so can cause injury to the patient or operator or cause damage to the equipment.



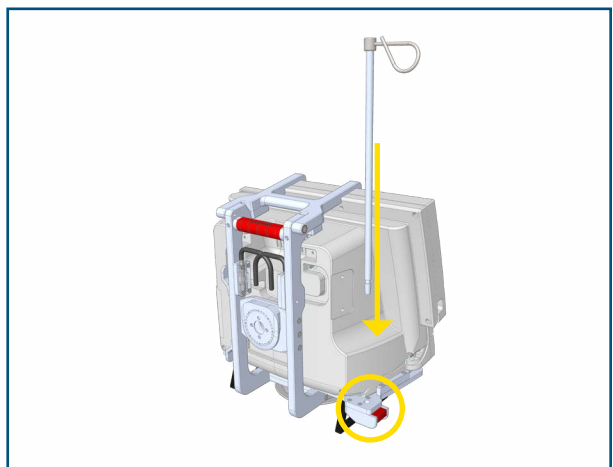
INSTALLATION OF THE FLUID BAG POLE

1. Install the fluid bag pole into the nano base located on the bottom plate at the back of the mount.
2. Push in the Red Quick Release Mechanism to install or remove the fluid bag pole from the nano base. Insert fluid pole from the top. Once installed, release Red Quick Release Mechanism to lock into position.



WARNING

The Fluid Bag Pole is meant to be used only for the temporary transfer between the ambulance and hospital. This pole CANNOT be used inside the ambulance during EMS transport.



INSTALLATION OF THE AIC INTO THE CARDIA TEK BRACKET

3. Once the fluid pole is installed securely, the Red Quick Release Mechanism on the nano base is released into locked position.
4. The AIC and Cardiatek Bracket is now ready to be installed on another Technimount mounting system, e.g., Cardiatek Wall Mount or Floor Mount. See details on compatibility between Technimount equipment in specifications section of this user guide.

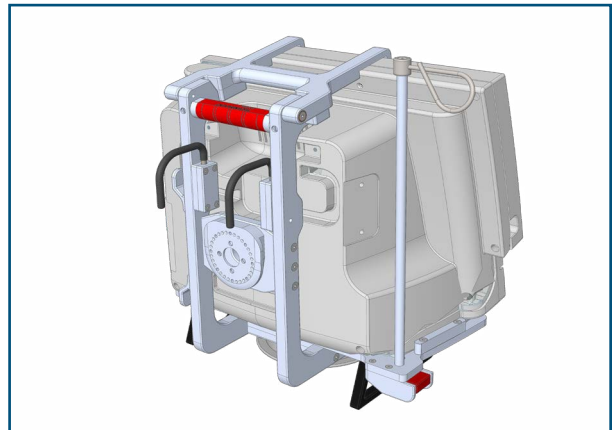


USING THE BACK HOOKS

5. To open the hooks, open one hook at a time by pulling the hook towards you.
6. To close the hooks, close one hook at a time by pushing the hook back into closed position.

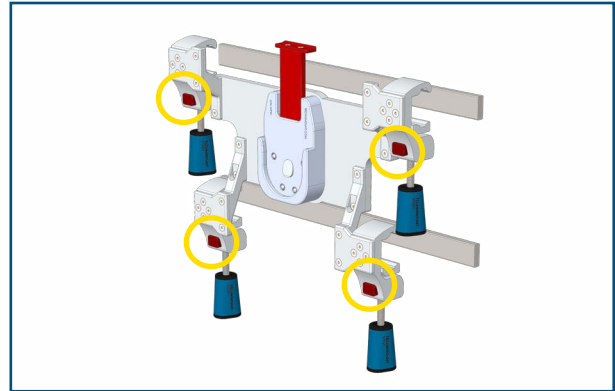
WARNING

The Cardiatek Back Hooks are meant to be used only for the temporary transfer between the ambulance and hospital. These hooks CANNOT be used to mount inside the ambulance during EMS transport.

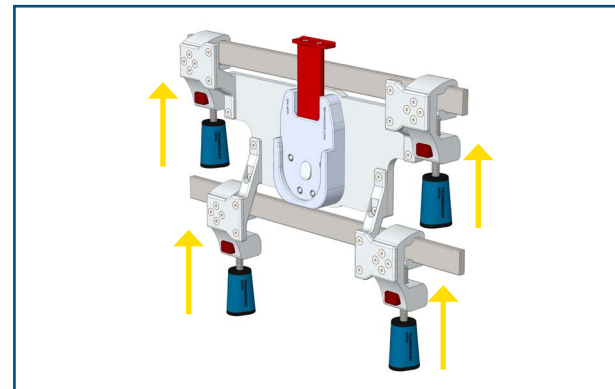


INSTALLATION OF THE CARDIA TEK WALL MOUNT ONTO THE RAILS

1. Press open all four (4) Red Quick Release Mechanisms to release and open all four (4) clamps.
2. If the clamp is not releasing when pressing on the Red Quick Release Mechanism, turn the handle counter clockwise to unlock the mechanism.



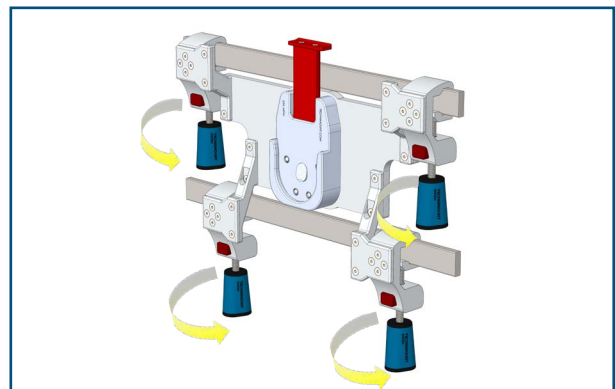
3. Install the Cardiatek Wall Mount on the wall rails of the ambulance.
4. While holding the Red Quick Release Mechanism, push upwards to position each clamp appropriately on the rails.
5. Release the Red Quick Release Mechanism to hold Wall Mount on both rails.



6. Turn handle approximately 1/4 turn to securely lock into place.

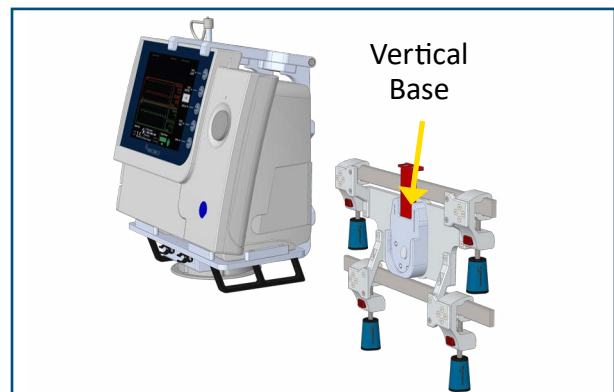
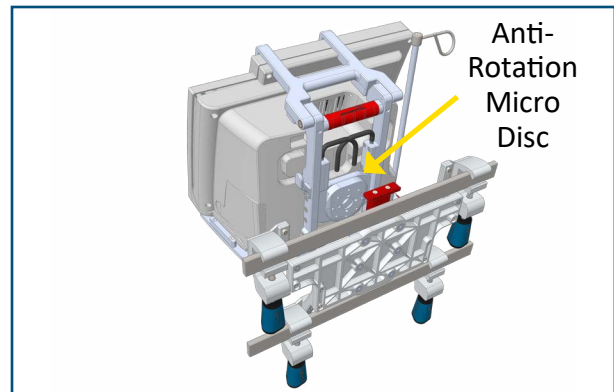
NOTE

- ✓ All 4 QR-Grip Clamps have to be securely locked into place to properly use the mount.



INSTALLATION OF THE BRACKET ONTO THE VERTICAL BASE OF THE WALL MOUNT

1. To install the AIC into the Wall Mount, lift the AIC bracket higher than the wall mount to slide disc into the vertical base.
2. Slide Anti-Rotation Micro Disc into the vertical base and lock into place.

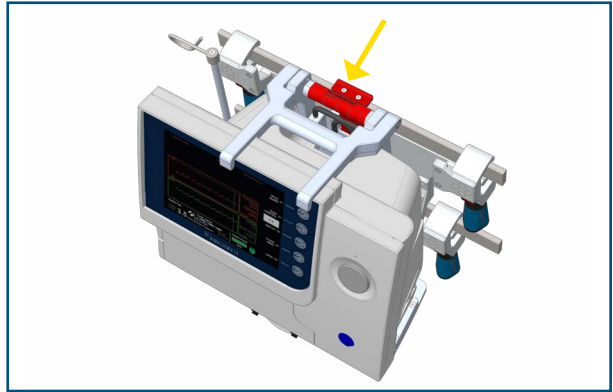


3. Installation is complete when AIC bracket is securely locked into the Vertical Micro Base on the Wall Mount.

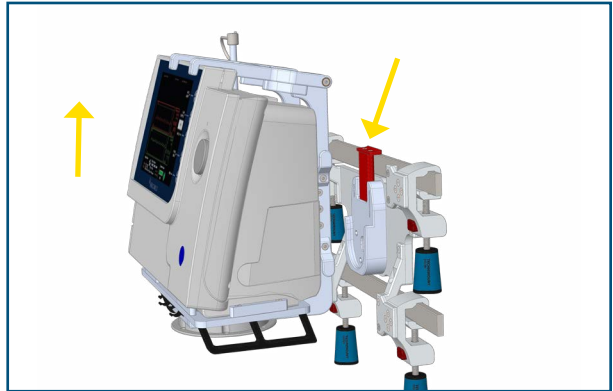


REMOVING THE CARDIA TEK BRACKET FROM THE WALL MOUNT

1. To release the Cardiatek Bracket from the Wall Mount, push Red Quick Release Mechanism located on the vertical base behind the bracket.

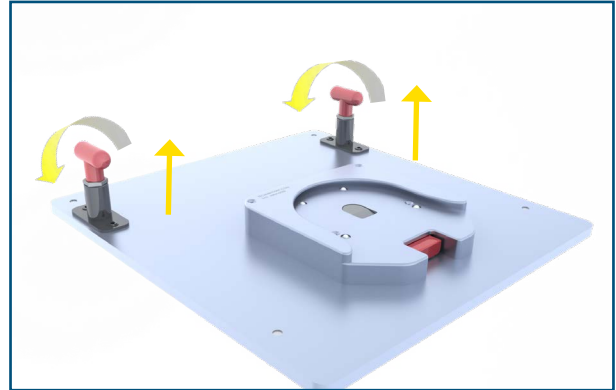


2. While mechanism is pressed, lift the Cardiatek Bracket upwards until it slides out of the vertical base of the Wall Mount.
3. Place the Cardiatek Bracket onto a stable surface, until it is transferred to another mounting system.

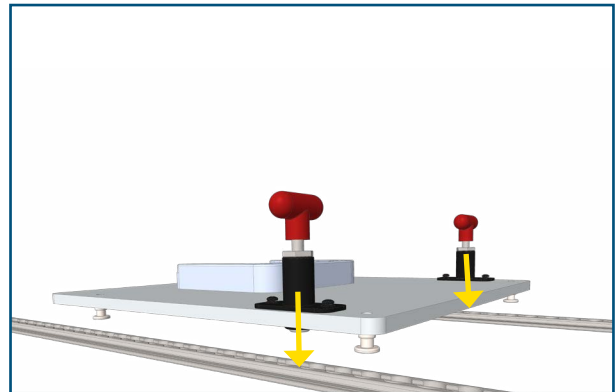


INSTALLATION OF THE CARDIA TEK FLOOR MOUNT ONTO THE FLOOR RAILS

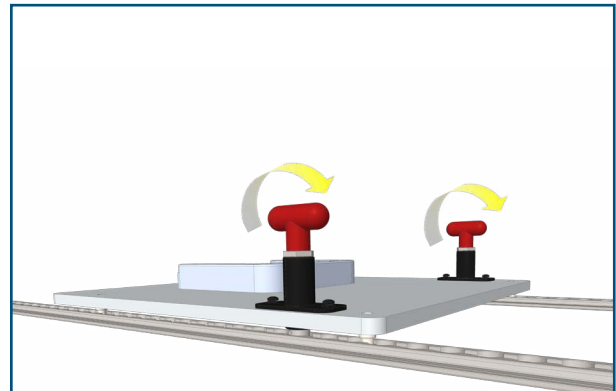
1. To install the Cardiatek Floor Mount, turn counter clockwise to loosen the black T-Shape Handles.
2. Lift both black T-Shape Handles.



3. Slide and fit into floor rails and release the black T-Shape handles once positioned appropriately inside the rail.

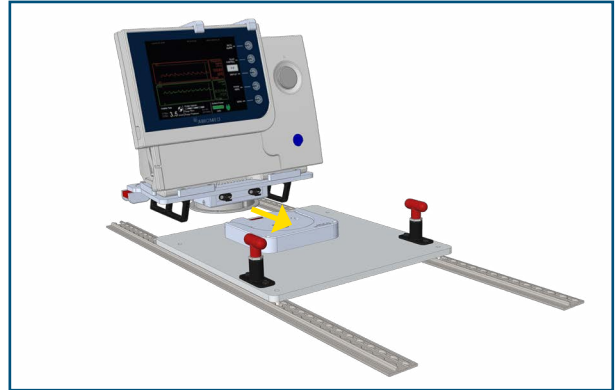


4. Turn handles clockwise to securely lock into position on floor rails.

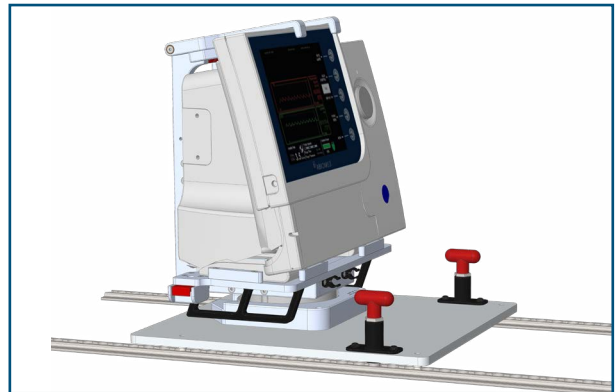


INSTALLATION OF THE AIC BRACKET ONTO THE FLOOR MOUNT SURFACE BASE

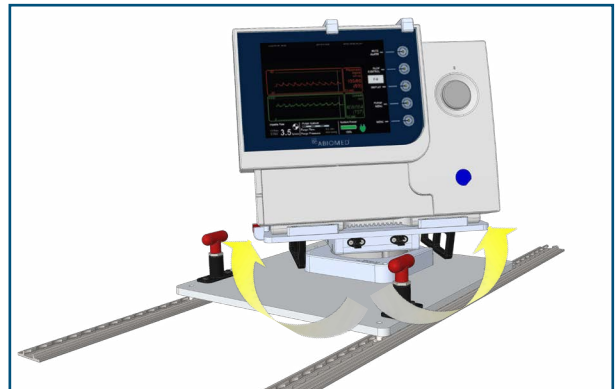
1. To install the Cardiatek bracket onto the Floor Mount, slide the Standard Dottom Disc towards the front of the base.



2. Ensure that the bracket is securely locked into the base.

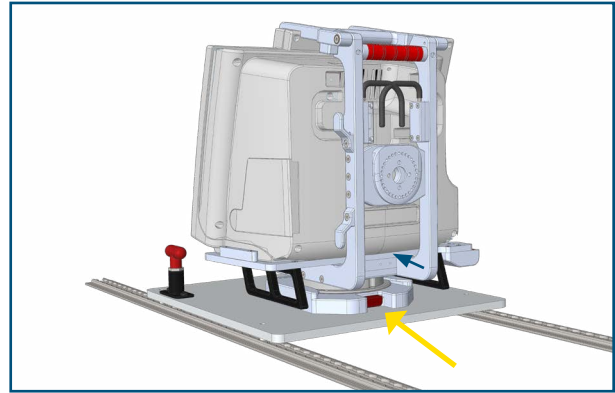


5. Once inside the surface base, the Cardiatek Bracket can rotate 360° clockwise or counter clockwise.

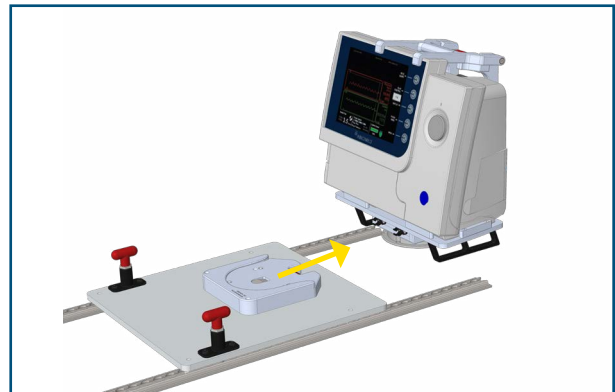


REMOVING THE AIC BRACKET FROM THE FLOOR MOUNT SURFACE BASE

1. To remove the Cardiatek Bracket from the Floor Mount, push the Red Quick Release Mechanism inwards while sliding the Cardiatek Bracket out of the Standard Surface Base of the Floor Mount.



2. Slide the unit outwards and place on a stable surface until transfer to another mounting system.



CARDIA TEK MOUNTING SYSTEM PART NUMBERS

KITS AND OTHER OPTIONS

DESCRIPTION	PART NUMBER
Part Number - Cardiatek Bracket	552-10-AB-BR
Part Number - Cardiatek Wall Mount System	553-20-AB-WA
Part Number - Cardiatek Floor Mount System	554-20-AB-FL
Standard Surface Base	100-20-UN



WARNING

Do not modify any components of these system. Modifying the products can cause unpredictable operation resulting in injury to the patient or operator.

NOTE

Technimount reserves the right to change Part Numbers and Products without notice. Please refer to Customer Service to ensure product part number availability.

For any replacement parts or for repair, please contact Technical Support at techsupport@technimount.com

CLEANING THE CARDIA TEK SYSTEM

CLEANING PROCESS

The Cardiatek Bracket, Wall Mount and Floor Mount can be cleaned by using a pressure washer. The mounting bracket and system may show some signs of oxidation or discoloration from continuous washing, however, degradation of the cot/stretcher's performance or functionality will not be affected due to power washing if cleaning instructions are properly followed.

The material used to manufacture the Cardiatek System is high-grade aluminum, it is very durable and resistant to corrosion, however high levels of sodium or a high concentration of sodium or acid may prematurely corrode the product. Always rinse with soft soap and water if exposed.

- ✓ Use of a power washer can accelerate removal of contaminants collected during the use of the product.
- ✓ Rinse with clean water.
- ✓ Towel dry all components.
- ✓ Allow all other components to air dry.
- ✓ Avoid over saturation and ensure that the product does not stay wet longer than the cleaner manufacturer's guidelines for proper disinfecting.



WARNING

- ✓ When cleaning, always use appropriate personal protection equipment (PPE) based on established protocols (e.g., gloves, eyewear, etc.).



CAUTION

- ✓ Do not steam clean or use ultrasonic cleaners on the system or any of its components.
- ✓ Do not immerse the metal parts/components in water.
- ✓ Maximum water temperature should not exceed 180°F/82°C
- ✓ Maximum water pressure should not exceed 1500 psi/103.5 BAR . If a pressure washer is being used to clean the unit, the pressure nozzle must be kept a minimum of 24 inches (61 cm) from the unit.

CLEANING SOLUTIONS

Phenolic type or quaternary type disinfectants can be used (excluding Virex® TB). Iodophor type disinfectants, Peracetic Acid, Chlorine, and especially Peroxide Oxygen are not recommended for use because staining and corrosion may result.

Suggested cleaners for the Cardiatek System (Bracket, Wall Mount and Floor Mount):

- ✓ Quaternary Cleaners (active ingredient - ammonium chloride)
- ✓ Phenolic Cleaners (active ingredient - o-phenyl phenol)
- ✓ Chlorinated Bleach Solution (3.25% - less than 1-part bleach to 100 parts water)

CLEANING THE CARDIA TEK SYSTEM (CONTINUED)

CLEANING SOLUTIONS CONTINUED

WARNING

- ✓ Some cleaning products are corrosive in nature and may cause damage to the product if used improperly.
- ✓ If the products described are used to clean the equipment, the Cardiatek System and components must be rinsed with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the system will leave a corrosive residue on the surface of the product, possibly causing premature corrosion of critical components.

REMOVAL OF IODINE COMPOUNDS

Use a solution of 1/4 Tablespoon of Sodium Thiosulfate in 1 pint / .5 litre of warm water to clean the stained area. Clean as soon as possible after staining occurs. If stains are not immediately removed, allow solution to soak or stand on the surface. Thoroughly rinse surfaces with clean water and allow to air dry before returning unit to service.

WARNING

- ✓ Failure to properly clean contaminated parts or components will increase the risk of exposure to blood borne pathogens and may cause injury to the patient or the operator.

PREVENTIVE MAINTENANCE

A preventive and regular maintenance program should be established for all Technimount equipment. Preventive maintenance may be required more frequently based on the usage level of the product. The Cardiatek System requires regular preventative maintenance. Establish and follow a preventive maintenance schedule and keep records of preventive maintenance activities (see maintenance form in this user guide).

CAUTION

- ✓ Close attention should be given to safety features including, but not limited to the handle and locking mechanisms and Discs.
- ✓ Improper maintenance can cause injury or damage to the product. Maintain the product as described in this user guide.

LUBRICATION

The Cardiatek System has been designed to operate without the need for lubrication. Due to an anodization of the metallic parts, using a silicone-base lubricant can be used but it is not necessary. If you are not sure what to use, please contact Technical Support at techsupport@technimount.com.

CAUTION

- ✓ Failure to use authorized parts, lubricants, etc. could cause damage to the cot/stretchers and will void the warranty of the product.

INSPECTION PROCESS AND SCHEDULE

MAINTENANCE PROGRAM

The following inspection routine and schedule is intended as a general guide for preventive maintenance of the Cardiatek System. Factors such as weather, environment, geographical location, and individual usage will necessitate different maintenance. If you are unsure as to how to perform these maintenance inspections or at what interval to perform these inspections, please contact your Technical Support Team at techsupport@technimount.com. Check each routine and replace damaged or worn out parts if necessary.

Follow the timetable below for maintenance (either in months (M) or hours (H)), in accordance with your Service's current maintenance practices and protocols.

ITEM	ROUTINE	<u>1 M</u> OR <u>2 H</u>	<u>3 M</u> OR <u>6 H</u>	<u>6 M</u> OR <u>12 H</u>	<u>12 M</u> OR <u>24 H</u>
Bracket	✓ Inspect Bracket ▪ Inspect the hexagon screws ▪ Inspect Red Quick Release Mechanism and Handle ▪ Ensure it is working properly and there are no particles, obstacles, or debris ▪ Inspect Top Handle side screws ▪ Must Lock into Place once Installed on AIC ✓ Nano Base for the Fluid Pole ▪ If loose, or unscrewed, tighten screw ▪ Ensure it works properly to install and remove the fluid pole ✓ Inspect front pole holders, if in place and in good condition to retain the pole ✓ Verify Red Quick Release Mechanism- Mechanism returns to its position once released ✓ Verify Both Discs ✓ Do a visual inspection for the handle to ensure there is no damage or chemical attack	X			

INSPECTION PROCESS AND SCHEDULE

MAINTENANCE PROGRAM

ITEM	ROUTINE	<u>1 M</u> OR <u>2 H</u>	<u>3 M</u> OR <u>6 H</u>	<u>6 M</u> OR <u>12 H</u>	<u>12 M</u> OR <u>24 H</u>
Wall Mount	✓ Verify Wall Mount Clamps ▪ Verify Top-Down Movement of the Clamps ▪ Verify Red Quick Release Mechanism operates properly ▪ Verify Handle locks into place appropriately when turned clockwise ▪ Verify Screws holding the QR-Gripp Clamps are not loose or missing ✓ Inspect the Micro Base for cracks, visual damage or malfunction		X		
Floor Mount	✓ Inspect the 2 Black T-Shape Handles ▪ Inspect spring/locking system of the black T-Shape handles ✓ Ensure the Standard Base is clear of particles, obstacles or debris ✓ Inspect the feet locking into the track for any damage or missing parts ✓ Inspect spring/locking system of the black T-Shape handle ✓ Inspect the locking mechanism of the Standard Base, if pushed the blocker goes into the base ✓ Inspect the ball bearings if they roll and are clean of dust and contamination	X			

INSPECTION AND MAINTENANCE RECORD

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REPLACEMENT PARTS

The parts and accessories listed are all currently available for purchase. Some of the parts identified on the assembly drawing parts in this user guide may not be individually available for purchase. Please call Technimount Customer Support : +1.581-998-9820 or at customerservice@technimount.com for availability and pricing.

DESCRIPTION	PART NUMBER
Cardiatek Mount Top Red Handle	TCM-032-014
Anti-Rotation Micro Disc	TCM-052-006
Standard Bottom Disc	926-00-SS
Left Swivel Hook	963-00-LF
Right Swivel Hook	963-00-RH
Power Cord Hooks	TCM-032-042
Fluid Bag Pole	TCM-032-048
Fluid Bag Pole Holder	TCM-SP-999-006
Acetal Feet	TCM-032-082

WARRANTY POLICY

This statement constitutes TECHNIMOUNT's entire warranty policy with regards to the TECHNIMOUNT Products. TECHNIMOUNT MAKES NO OTHER WARRANTY OR REPRESENTATION NEITHER EXPRESSED NOR IMPLIED, EXCEPT AS SET FORTH HEREIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL TECHNIMOUNT BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALES OR USE OF ANY SUCH EQUIPMENT.

TECHNIMOUNT E.M.S. Holding Inc. (Technimount) guarantees to the original "Purchaser" of the "Hardware" with which this "Limited Warranty" is included that the Hardware will be free from "Defects" in workmanship and materials under normal use for a "Warranty Period", one (1) year from the date that the Hardware was first purchased by the Purchaser. During the Warranty Period, the Hardware will be repaired or replaced according to the "Limited Warranty" without charge to the Purchaser for either parts or labor. The parts may be repaired or replaced with either new or refurbished parts. The product may be replaced for a new or refurbished product. For this Limited Warranty "refurbished" means parts and products, which have been returned to factory specifications. If the Hardware is repaired or replaced within the Warranty Period, the greater of the remaining warranty period will apply or three (3) months from the date of repair/replacement. If the Hardware is repaired or replaced after the Warranty Period has expired, the Warranty Period for the repair or replacement will expire three (3) months after the date of repair or replacement.

LIMITED RESPONSIBILITY AND WARRANTY

The Limited Warranty does not apply to normal wear that should result from normal use. It does not apply when the Hardware or any component is opened, disassembled, or repaired by someone not authorized by "TECHNIMOUNT" and does not cover repair or replacement of any Hardware or part thereof damaged by neglect, misuse, moisture, liquids, exposure to heat, accidents, abuse, and non-compliance with the instructions for installation and use provided with the Hardware. The Limited Warranty does not cover physical damage to the surface of the Hardware, and the decision to repair, replace or refuse the coverage is final and its sole discretion of TECHNIMOUNT, and is made without any compensation or obligation from TECHNIMOUNT.

The hardware, or product defined as a mounting or bracket system for clipping and attaching medical equipment is specifically designed to fill this requirement. Any other use will void the warranty and TECHNIMOUNT will not be held liable on any claim if the product is modified or adapted for use.

Technimount products are intended to retain a medical device in place in the case of a single crash impact. A Technimount product must NOT be used again if it was involved in a crash. The product MUST be replaced. If the Purchaser uses a Technimount product following a crash, it is at the Purchaser's own risk and Technimount will not be held liable.

INTERNATIONAL WARRANTY CLAUSE

This warranty reflects Canada and the U.S.A. domestic policy. Warranty outside Canada and the U.S.A may vary by country. Please contact TECHNIMOUNT Customer Service for more information.

RETURN POLICY

Mounting systems and bracket systems for portable medical devices may be returned up to 60 days of receipt if:

- The product is not what was originally ordered
- The product does not meet specifications with TECHNIMOUNT's technical sheets according to the customer
- The product is not compatible with the equipment on which it was to be installed

For any manufacturing defect, refer to the conditions of the Warranty Policy.

PRIOR TO 30 DAYS

- Product must be undamaged and in its original packaging
- The product return request must be provided in writing and it must be approved by TECHNIMOUNT prior to returning the product
- Returns will not be approved on a modified or damaged item
- Charges may apply if damaged or missing item
- Customer is responsible for a 10% restocking fee

PRIOR 45 DAYS

- Product must be unused, undamaged and in its original packaging
- The product return request must be provided in writing and it must be approved by TECHNIMOUNT prior to returning the product
- Returns will not be approved on modified or damaged item
- Charges may apply if damaged or missing items
- Customer is responsible for a 25% restocking fee

PRIOR 60 DAYS

- Product must be unused, undamaged and in its original packaging
- The product return request must be provided in writing and it must be approved by TECHNIMOUNT prior to returning the product
- Returns will not be approved on a modified or damaged item
- Charges may apply if damaged or missing items
- Customer is responsible for a 30% restocking fee

RETURN AUTHORIZATION

TECHNIMOUNT's customer service department is responsible for approving any merchandise return and will provide a Return Merchandise Authorization (RMA) number to be printed on any returned merchandise. TECHNIMOUNT reserves the right to charge shipping and restocking fees on returned items. SPECIAL, MODIFIED, OR DISCONTINUED ITEMS NOT SUBJECT TO RETURN.

DAMAGED MERCHANDISE

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receiving merchandise. DO NOT ACCEPT DAMAGED SHIPMENTS UNLESS SUCH DAMAGE IS NOTED ON THE DELIVERY RECEIPT AT THE TIME OF RECEIPT. Upon prompt notification, TECHNIMOUNT will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by TECHNIMOUNT within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full.

Note: Claims for any short or broken shipment must be made within thirty (30) days of invoice.

CLAIM PROCESS

Please follow the claim procedure below to return a defective product:

Fill in the RMA form online at <https://www.technimount.com/service-support/service-support-overview/>

REQUIRED INFORMATION

- Serial number
- Invoice number
- Identification of the issue
- Upload the pictures of the issue
- Submit the form

A confirmation of the receipt of the claim will be sent to you within 2 business days. If you have not received a confirmation email by then, please contact techsupport@technimount.com.

If the RMA request is approved, TECHNIMOUNT will provide you with an RMA number for your claim. We will also include instructions for the replacement of your product. No product return will be accepted without the RMA number labeled on the outside of the box being returned.

FINDINGS AND CONCLUSION

- If following an investigation, we find that our product is defective, TECHNIMOUNT will take corrective actions and close the claim
- If following an investigation, we find that our product is NOT defective (misuse or abuse of the product) the product will not be covered by the warranty. Details of our findings and conclusions will be provided to you

QUESTIONS ABOUT OUR POLICY

If you have any questions regarding our return policy, please contact our Customer Service department at customerservice@technimount.com.

FAA CERTIFICATION

CE CERTIFICATION



SAFETY AND FLEXIBILITY WHERE IT MATTERS MOST

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