

USER MANUAL



For further info or technical support:

BlueSky Designs
www.blueskydesigns.us
1-888-724-7002

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SAFETY TIPS:

Read manual before using!!!

MAXIMUM load = 15 pounds

Do not use the mount to support a person

- Do not place baby or child on it
- Do not use as a means of support when getting in or out of chair



Be sure mount is securely attached:

- Check bracket attachment to wheelchair
- Tighten mount/link to post securely
- Use thread lock on bolts as directed
- Attach device securely to Quick Release Plate
- Firmly attach Quick Release Plate/device to tilt plate

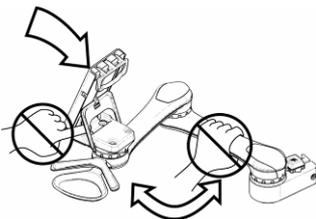


Do not attach the mount to armrests; they are often unstable.

Move mount to a **locked position** before driving or **tilting** the wheelchair:

- Do not unlock or move mount when wheelchair is tilted
- Put in locked position before driving or tilting wheelchair

Stay clear of **pinch points** when adjusting the tilt or arm position

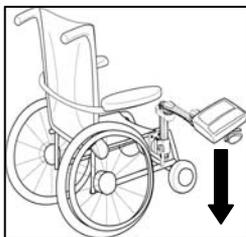


Transfers: When transferring, stow the device close to the wheelchair; not extended out to the side—this is especially important with a manual wheelchair.

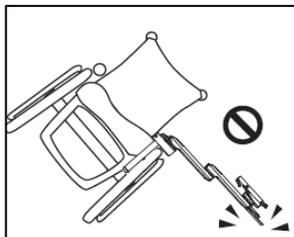
YES



NO



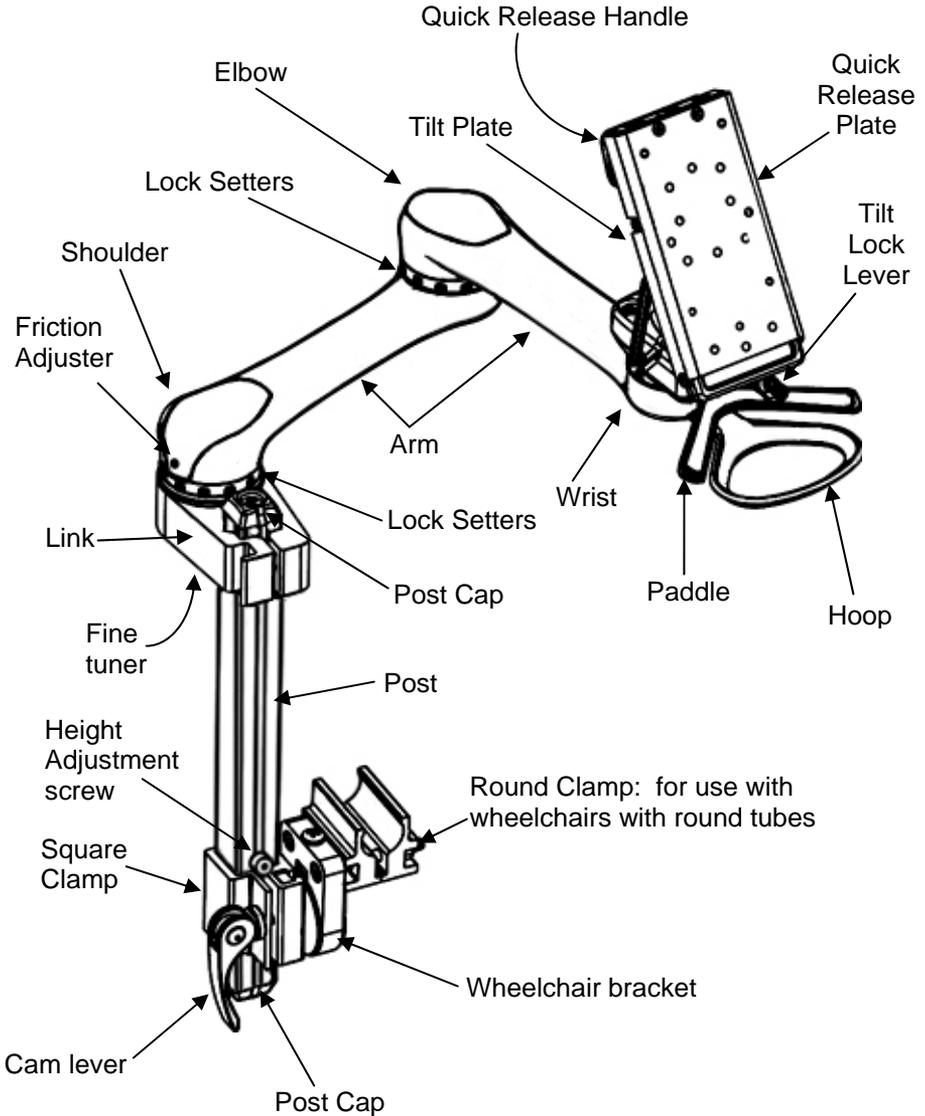
OR ELSE!



Mount'n Mover at a Glance

(Dual arm shown)

Note: Single Arm has only the wrist and shoulder joints

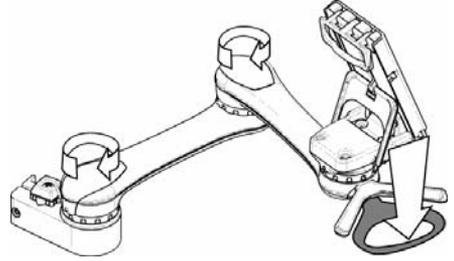


Moving the Mount'n Mover

The Mount'n Mover can be customized to lock in specific, repeatable positions, but it is easily unlocked and moved. The mount and device remain in their locked positions until you use the hoop and paddle.

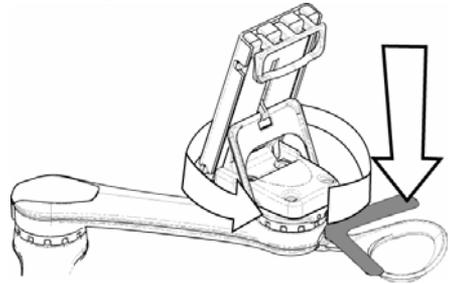
Move the arm by using the hoop:

- The hoop releases the shoulder and elbow joints, allowing simultaneous movement of the two arm segments.
- As long as the hoop is depressed, the arm will bypass locked positions.
- When downward pressure is released, it seeks a new lock position.



Rotate the device by first depressing the paddle and then rotating the device directly:

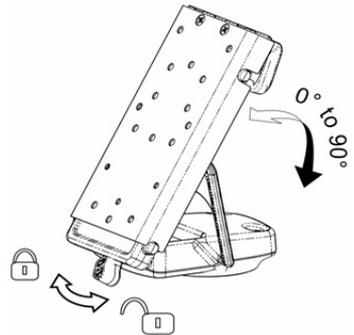
- The paddle unlocks the wrist joint, allowing rotation of the device.
- Depress, then release the paddle.
- The wrist remains unlocked until you rotate it. Rotate the device directly.
- As you move the wrist, it will begin to seek another lock position.
- The temporary unlock feature allows one-handed release and rotation of the device platform.



Adjust the tilt

- Move the tilt lever to the unlocked position
- Push down or pull up on the device
- Move the lever to the locked position

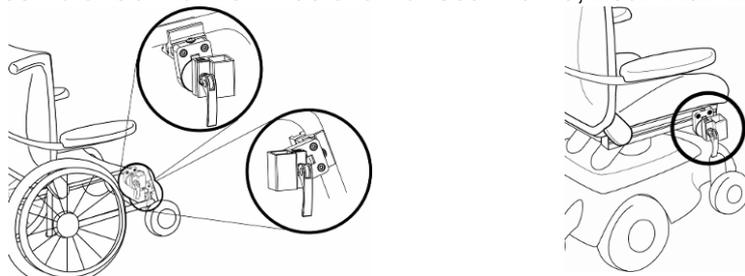
Note: Different hinge torque settings are available. This makes it easier or harder to change the tilt. For larger devices, the High torque hinge will prevent the device from slamming down unintentionally.



Step 1: Attaching to a wheelchair

A. Determine the best attachment point and hardware required

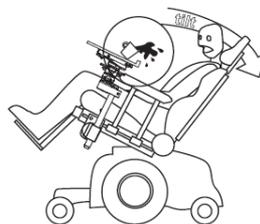
The best attachment point depends on the person, their needs, what they will use the mount for, the best position for access, and their wheelchair. Most individuals need their mounted device in front of them, so it is usually best to attach to the wheelchair or seat frame, near their knee.



When mounting consider the following:

1. Do you want the mount to tilt with the person as the seat tilts?
Yes: attach to seat rail No: attach to base frame

Note: Attachment placement depends on the end use: i.e., you may want a speech device to tilt to allow communication from any angle; a tray to be used for eating may be better attached to the base, so it remains horizontal. Otherwise, tilting could result in spills.

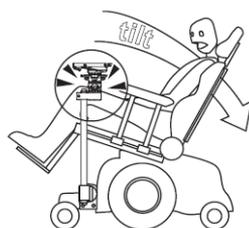


When attached to the seat rail,

Remove items which may spill or slide off an attached tray or other surface



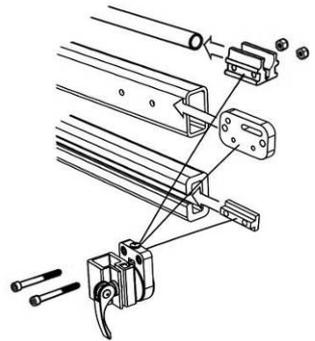
When attaching to the base, mount must be moved to the side before tilting, or a person's legs may be squeezed and injured



2. Find one or more places to attach securely, keeping in mind:
 - wheelchair bracket requires 2" space
 - armrest, brake and tie down locations
 - post length interference below bracket
 - space required to insert or remove mount

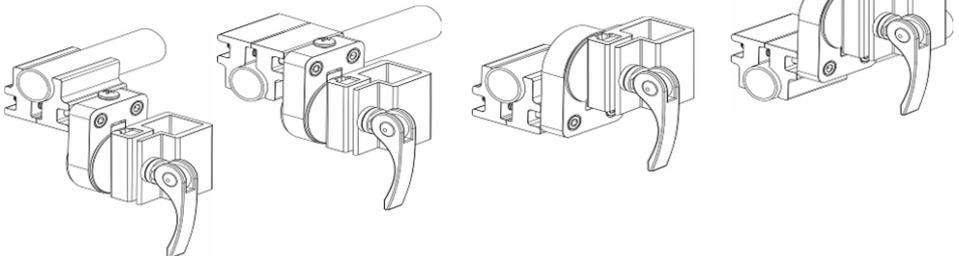
3. Consider attachment options:

- Round tube clamp (7/8" and 1")
- Adaptor plate: Holes spaced 1-2" apart on square or rectangular frame
- T-slot nuts: Slide track or t-slot



4. Figure out the best orientation of the bracket and/or plate to avoid other hardware and provide best support

Note: Bracket can be attached Up or Down. The figure below shows different placements on a tube at the same level, resulting in different square clamp heights. The Square Clamp can also be rotated to be to the Left or Right.



B. Attach the wheelchair bracket

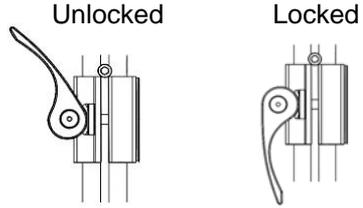
- Attach using lock nuts or a thread-locking product, such as Loctite.
- Tighten securely.
- Test holding strength once post, mount and device are attached.
- Periodically check the bolts for loosening.

C. Additional mounting options

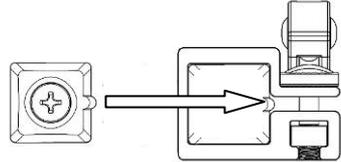
- Mounting may require optional wheelchair brackets, using the adaptor plate as a spacer, or custom plates.
- Adaptor Plate accommodates holes spaced between 1"-2" apart.
- The Wheelchair Bracket attaches to the Adaptor with 1/4"-28 bolts.
- Consult BSD website for other options: www.blueskydesigns.us

Step 2: Inserting and securing the Post

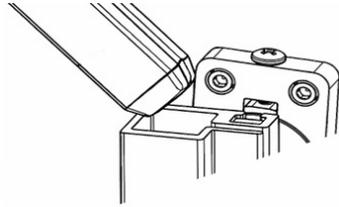
A. Unlock the cam clamp lever



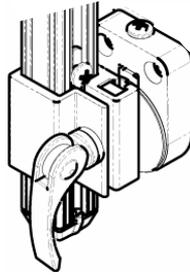
B. Line up the post cap ridge with the gap in the square clamp



C. Drop the post into the square clamp slot

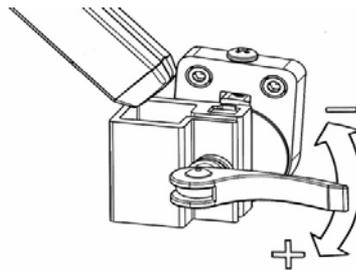


D. Lock the cam clamp



Note:

If the post won't fit into the square clamp, or if the post can still move up and down when the cam clamp is locked, try loosening (-) or tightening (+) the cam clamp.



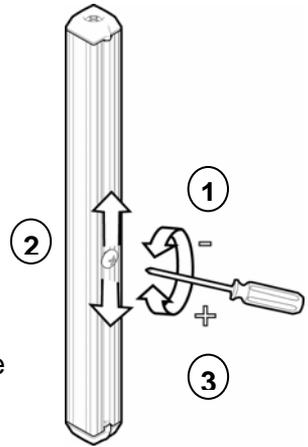
Step 3: Post adjustments

Adjusting post height

- The height adjustment screw provides a consistent mount height, limiting how low it goes when you insert the post.
- The top of the post determines the mount height.
- Once the mount is attached, the height can be easily readjusted.

To adjust the height:

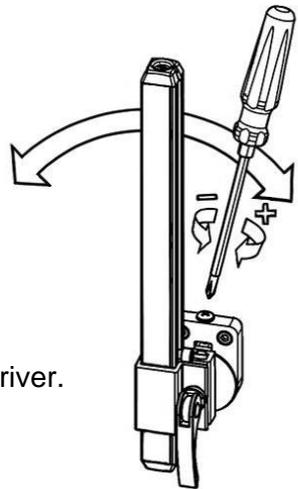
1. Loosen height adjustment screw using the appropriate tool.
2. Move the screw up or down.
3. Tighten height adjustment screw at desired setting.



Adjusting post angle

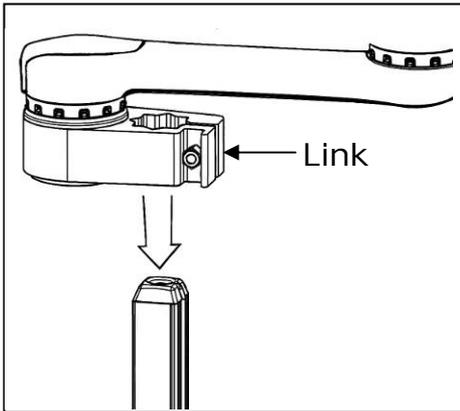
The post angle should be adjusted so it is vertical with a person in their usual upright position. This will make it easier and safer to move.

- Once the mount is attached, the angle can be readjusted.
1. Loosen post angle screw with a screw driver.
 2. Tip the post to the preferred angle of orientation.
 3. Tighten post angle screw.

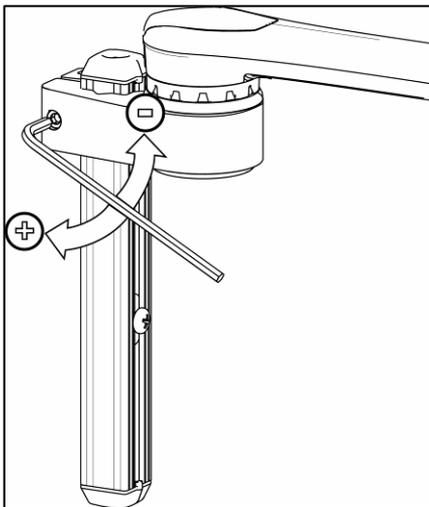
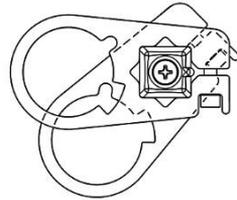


Step 4: Attaching the Mount'n Mover to the post

- A. Make sure the post is locked in position by the cam clamp
- B. Slide the star shaped Link opening onto the post **past** the post cap
- C. If the Link does not slide on easily, loosen the Link bolt using a 3/16" hex key
- D. Tighten the Link bolt with a 3/16" hex key to ensure Mount'n Mover will not slide down on the post
- E. Once Mount'n Mover is securely attached, the post height and angle orientation can be readjusted.



Tip: The Link may be attached in different orientations relative to the wheelchair, depending on an individual's situation.



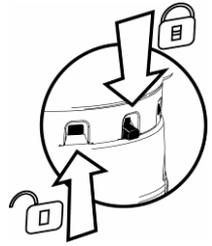
Tips and warnings:

- You can slide the Link as far down on the post as you'd like.
- You can place two mounts on a single post. The 15 pound restriction is the combined weight limit for a single post/bracket.
- The post may limit the full rotation and movement of the lower arm.
- If you're going to set it up as a double-decker, slide the lower one on first.

Setting lock positions

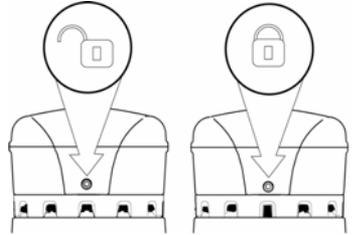
The basics:

- Lock setters provide repeatable, user-specific positions.
- To set a lock position, slide a lock setter down, or to create a bypass location, flip a lock setter up.
- To unlock a position with the friction adjustment screw above it, the hoop or paddle must be depressed.
- The alignment of the friction adjust screw with a lock setter determines the lock position.



Lock position: Lock setter is down and in line with friction adjustment screw.

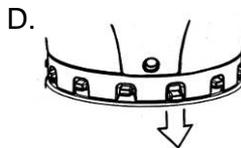
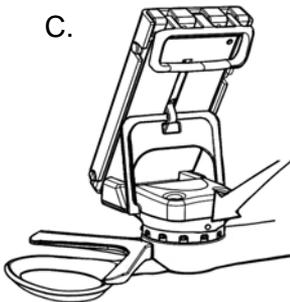
Bypass position: Lock setter is up.



- Lock setting may require a small tool or pen tip
- It may be harder to set the shoulder lock setters, especially when a heavy device is attached

Initial setup: The following is recommended for the initial setup: Slide all lock setters up, creating bypass positions. Begin by setting lock positions at the wrist, followed by the elbow and finally, the shoulder.

- A. Make sure all lock setters are set into the unlocked position.
- B. Move the arm to be oriented into a position for the end user.
- C. Find the position of the friction adjustment screw.
- D. Slide the lock setter closest to the friction adjustment screw to a locked position.
- E. Rotate the joint until the friction adjustment screw and lock setters are in alignment with each other.
- F. Repeat the procedure to set elbow and shoulder lock positions.

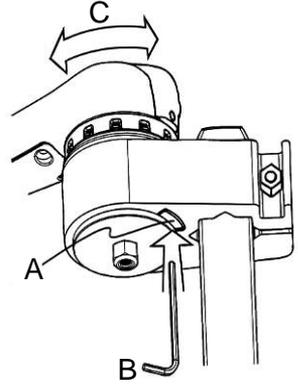


Final lock position

Fine tuning the position:

Now that the desired lock positions have been set for the arm, use the directions below to more exactly get an individualized arm placement of the Mount'n Mover. The lock positions set a position every 30 degrees. Using the fine tuner, you can adjust the shoulder joint to every 5 degrees.

- A. Locate the fine tuner.
- B. Using a thin object, such as an allen key, push up on the fine tuner.
- C. Rotate the shoulder until it sits in the best position for the end user.
- D. Release the fine tuner and move the shoulder joint slightly until the joint finds a locked position.
- E. Have the end user try to use the device, make adjustments as needed.



Adjusting the joint friction

The Mount'n Mover can be adjusted to increase or reduce the effort required to move it. Adjustments are made using the friction adjustment screws. Joints must be adjusted individually.

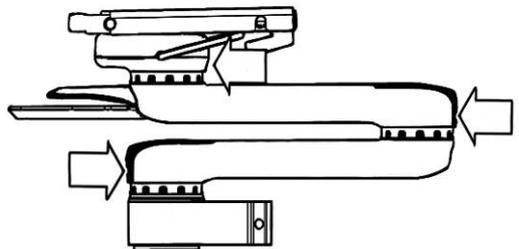
Locate friction adjustment screws (see below)

Use a 1/16 hex key (provided):

- Turn screw clockwise = tighten
- Turn counterclockwise = loosen

CAUTION:

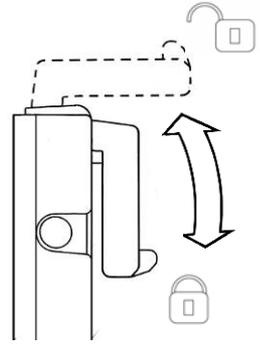
- If you loosen the friction screw too much, it may fall out.
- If it falls out, the plastic cap on the joint may come off.
- If the screw is lost, replace it with a 6-32 screw.



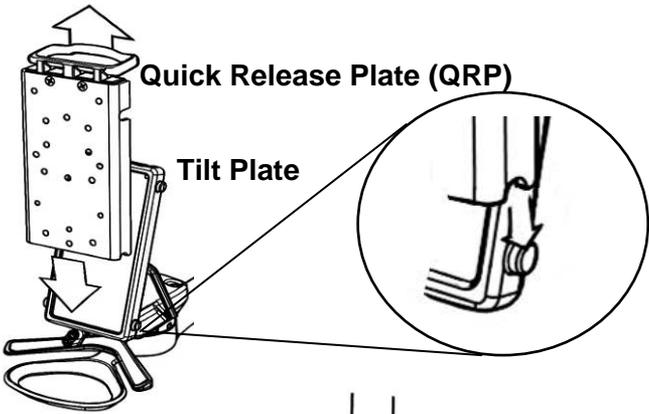
Using the Quick Release Plate (QRP): Attaching the QRP to the tilt plate

- A. For easy access, start with the tilt plate at an angle and in a locked position.
- B. Make sure the quick release handle is in the unlocked position.
- C. Slide the QRP rounded slots at the bottom of the plate onto the round bosses on the tilt plate.
- D. Push QRP into the tilt plate until it “clicks” into place.
- E. Push the QR handle into the locked position.
- F. Check to see if you can pull the QRP/device away from the plate.

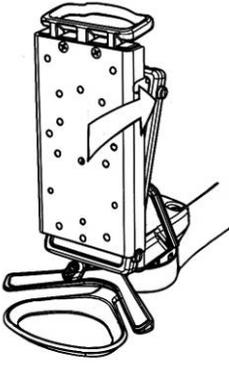
B.



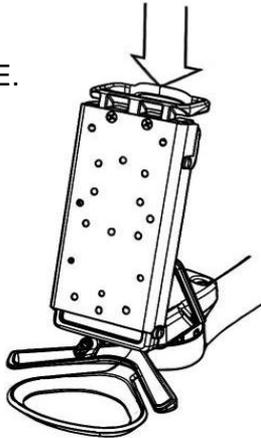
C.



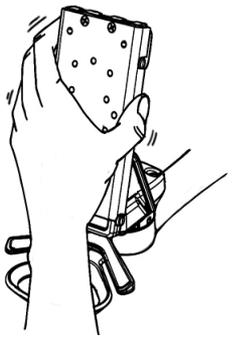
D.



E.

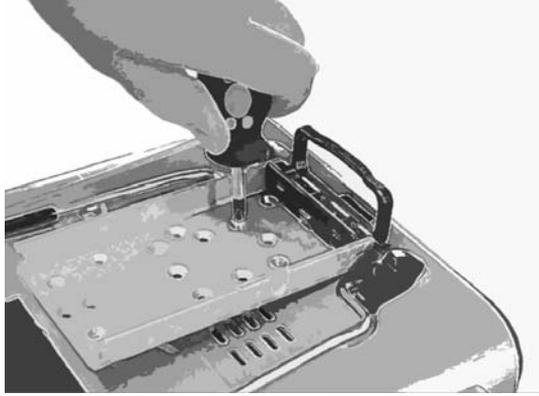


F.



Using the Quick Release Plate (QRP): Attaching a device to a quick release plate

All devices attach to the quick release plate (QRP) using simple hardware such as screws. Some devices require a special device plate. These device plates attach to both the QRP and the device. Once a device is attached to the QRP, the device can be easily attached and removed from the tilt plate without using any tools. See page 13.



Reference the Device-Plate Attachment Guide on the next page to determine if any additional plates or screws are needed for the attachment of your device to the QRP. See the diagrams below to help you determine the appropriate attachment points between the device and the QRP.

QUICK RELEASE PLATE HOLE SETS:

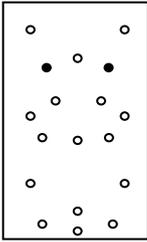


Fig 1

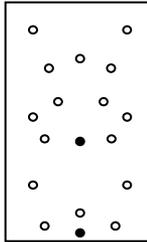


Fig 2

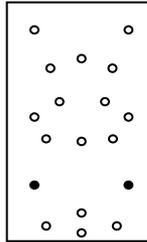


Fig 3

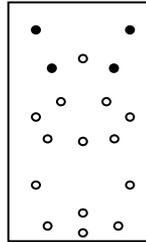


Fig 4

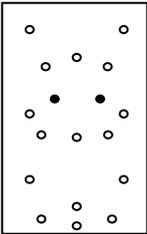


Fig 5

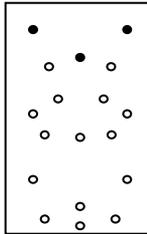


Fig 6

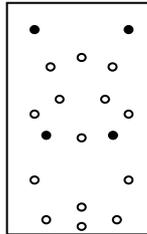


Fig 7

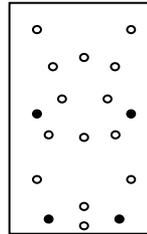


Fig 8

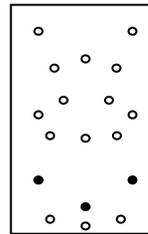


Fig 9

Device-Plate Attachment Guide

Brand	Device	QR Plate Hole Set	Extra mount plate needed	Screws Required (Flat head Phillips unless otherwise noted)	
				Qty	Type
AbleNet, Inc.	BIGmack communicator BIG Step-by-Step communicator Big Red Switch	Fig 1	DP-AN1	2 2	10-32 x 1/2" 8-32 x 5/16"
	FL4SH scanning communicator	Fig 1	DP-AN1	2 2	10-32 x 1/2" 8-32 x 5/16"
	Easy Mounting Base iTalk2 LITTLEmack communicator LITTLE Step-by-Step communicator	Fig 2	"AbleNet Easy Mounting Base" (Made by AbleNet)	2 2 2	8-32 x 5/16" #8 washers #8 nuts
	Jelly Beamer	Fig 3	-	2	6-32 x 1/2"
	SuperTalker progressive communicator	Place on tray/reading stand.			
	Blue Sky Designs	All Bluesky Designs trays	Fig 6	-	3
Device Rotation Adapter		Fig 5	Device Rotator	2	8-32 x 5/16" (pan head)
DynaVox	DynaVox V	Fig 1	-	2	8-32 x 5/16"
	DynaVox Vmax	Fig 5	DP-DV1	2	8-32 x 5/16"
				2	8-32 x 5/16" (pan head)
	DynaVox DV4	Fig 5	DP-DV1	2 4	8-32 x 5/16" 8-32 x 1/2 " (pan head)
DynaVox MT4	Fig 5	DP-DV1	4	8-32 x 5/16"	
PRC (Prentke Romich Company)	ECO	Fig 8	PRC Mounting Plates	4	8-32 x 5/8"
	Pathfinder 2	Fig 7	PRC Mounting Plates	4	8-32 x 5/8"
	SpringBoard	Fig 6	-	3	8-32 x 3/8"
	Vantage	Fig 6	-	3	8-32 x 5/8"
	Vanguard	Fig 7	2 PRC Mounting Plates required as spacer	4	8-32 x 5/8"
Saltillo	ChatPC	Fig 9	ChatPC kit	3	6-32 x 3/8"
	All Other Devices	TBD	NA*	-	TBD
Tobii ATI	All Devices	TBD	NA*	-	TBD
Words +	All Devices	TBD	NA*	-	TBD
Zygo	All Devices	TBD	NA*	-	TBD
AMDI	All Devices	TBD	NA*	-	TBD
Blink Twice	Tango	TBD	NA*	-	TBD

*Additional plates under development. For the most current list of adapter plates and hardware visit www.blueskydesigns.us

BREAKAWAY FEATURE

The shoulder joint has a built-in feature where it breaks away or dislocates if subjected to extraordinary forces. For example, if the mounting arm is extended out when a person drives through a doorway, it will break away.

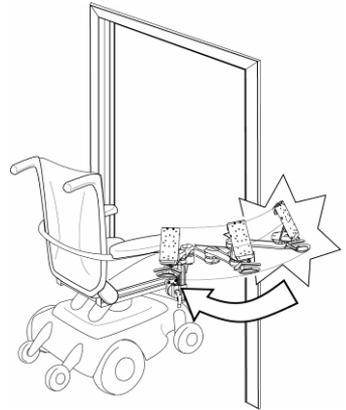
The mount can be easily moved back in place, clicking into its home position. Custom lock settings will be retained.

This feature prevents damage to mounted devices, walls and the internal gears which lock the post angle and fine tuner in position.

It will only break away under significant impact or loads. It will not break away as a person reclines in a wheelchair, provided the load restrictions are followed.

Disabling the feature may increase the likelihood of stripping out the post angle and fine tuner gears.

If a customer wishes to disable this feature, online instructions are available or they can call BlueSky Designs' technical support at 1-888-724-7002.



Trouble Shooting Guide

If...

Then...

Pieces are missing	Make sure you ordered all components. Attachment hardware is not included. Contact company you purchased from.
Hardware arrives damaged	Contact company you purchased from.
The Mount'n Mover is not finding a locked position	Is the lock setter down? If not, adjust. Is hoop/paddle stuck or being held down? Lift. p.5,11
Lock setter not able to move up into an unlocked position	Depress hoop/paddle and move arm so friction adjuster is not above lock setter. Lift up on or remove device while setting.
The Mount'n Mover is too difficult or too easy to move	Adjust the friction adjustment screws. p. 12
You are still experiencing trouble with your Mount'n Mover	Call BlueSky Designs for technical support. 1-888-724-7002

Storage and care tips

- Keeping the mount clean and dry will increase its usability.
- Never force the mount into or out of place. Use the hoop, paddle, and tilt lever to unlock it before attempting to reposition it.
- Set it down with care. Do not drop or throw it.

Warranty/Repair>Returns

- BlueSky Designs offers a one year warranty on the Mount'n Mover.
- If documentation of the original purchase date is not supplied, the warranty period will be determined as twelve months from the date of manufacture, determined by the serial number.
- This warranty is valid only with proper installation of the Mount'n Mover according to instructions in the product manual. It does not cover repairs for damage resulting from misuse, such as driving into walls, failing to attach it securely, or failure to follow instructions for set-up and care.
- Please follow our repair/return policy when sending products back under our guarantee. Before returning product for repair, please contact BlueSky Designs for a Return Merchandise Authorization (RMA).
- BlueSky Designs offers a 30 day money back guarantee. To be eligible for a money back guarantee, the Mount'n Mover must be in new condition.

Technical support

Call BlueSky Designs at 1-888-724-7002 or check out our web resources and videos at www.blueskydesigns.us

Single Arm Specifications



Weight Capacity

15 lbs
[6.8 kg]



Activation Force

1.5 lbs
[0.68 kg]



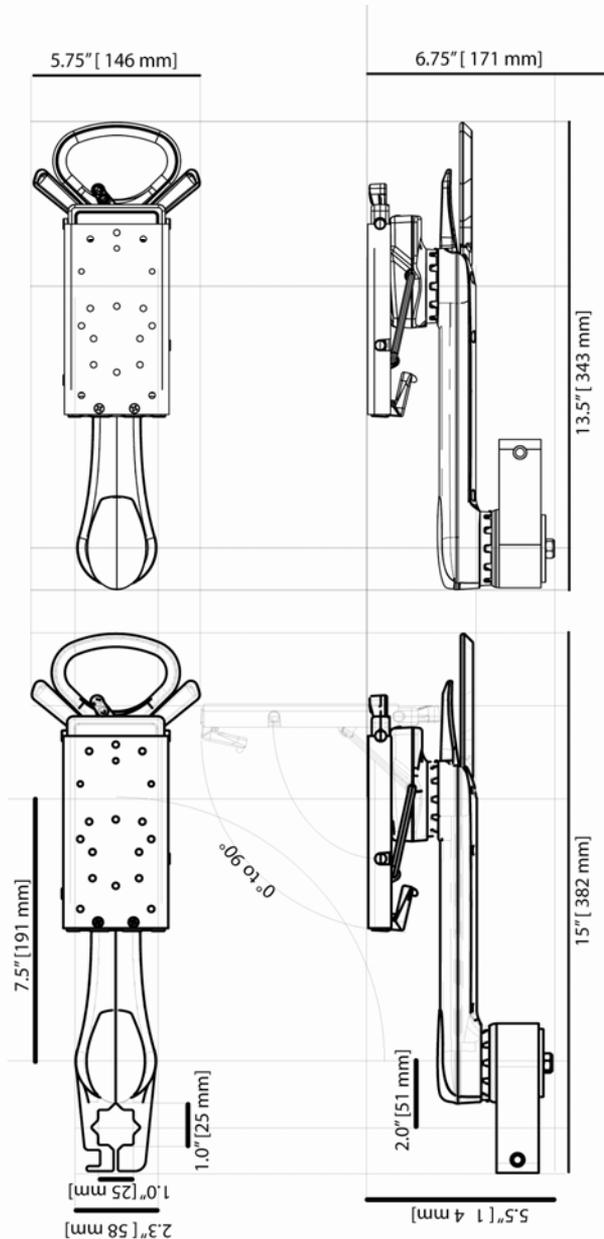
Joint Rotation

360°
{except tilt}



Mount Weight

2 lbs 13 oz
[1.28 kg]



Dual Arm Specifications



Weight Capacity

15 lbs
[6.8 kg]



Activation Force

1.5 lbs
[0.68 kg]



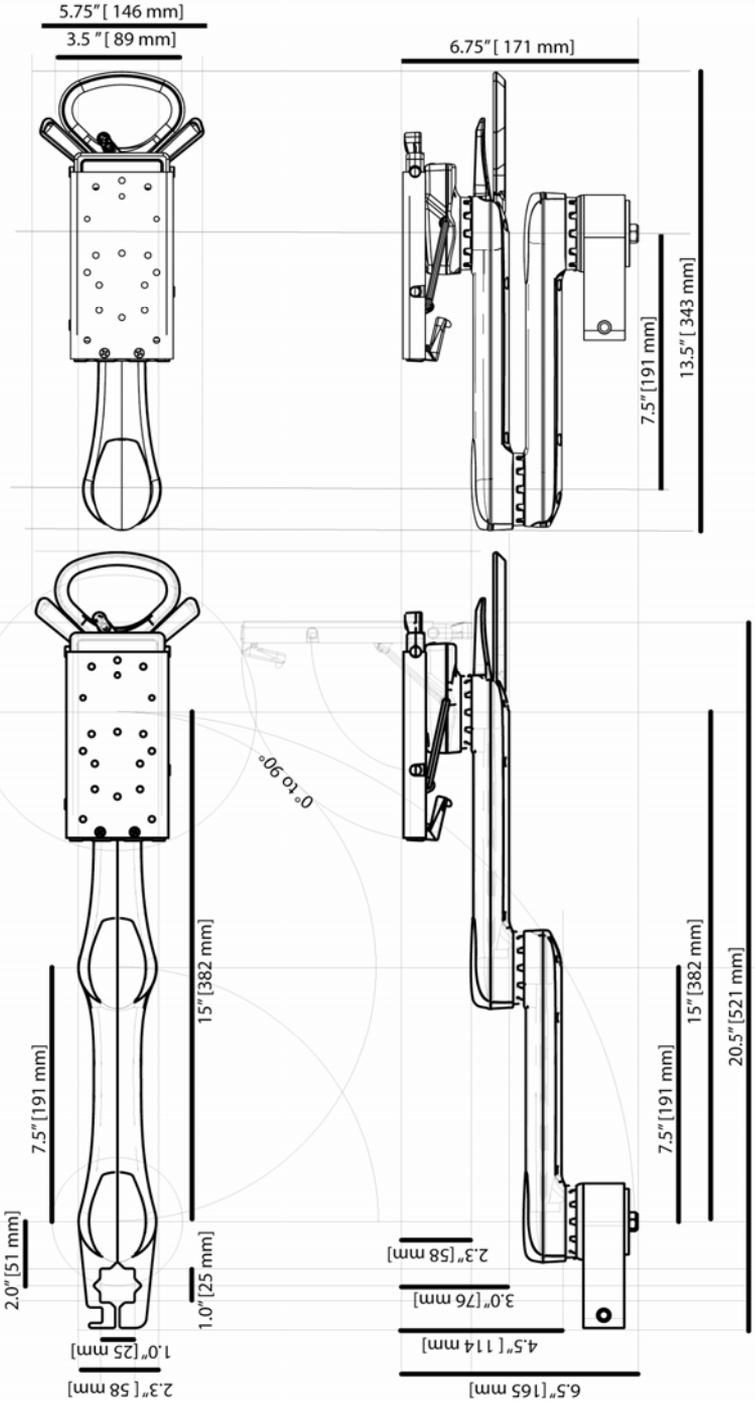
Joint Rotation

360°
{except tilt}



Mount Weight

3 lbs 9 oz
[1.62 kg]

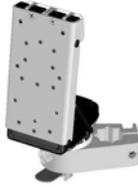


Also available:

Single arm



Tilt'n turn



Posts



8, 12, 18, 24 inches
Custom lengths

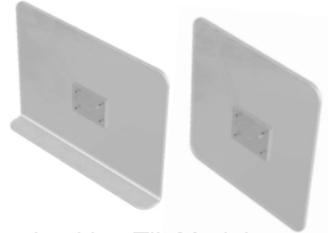
Quick Release Plate



Adaptor plate



Trays



Device Rotator

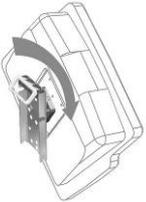


Table Clamp



Locking Tilt Module



Go to our website, www.blueskydesigns.us or call 888-724-7002 for info on new products!

Check out our daVinci Award-winning Freedom tent!



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