

Pow!r Mount'n Mover Hybrid Guide

Congratulations on getting a Pow!r Mount!

The Pow!r Mount offers a powerful level of independence in mounting and positioning.

Move it, using a switch--it's easy!

The BlueSky team is here to support you. Feel free to call or email with any questions.

888-724-7002 info@blueskydesigns.us



Your Pow!r Hybrid System includes:

- Hybrid Pow!r Mount, with a Pow!r joint and Mount'n Mover
- Pow!r Pack
- Charger/Power supply
- Tools: 3/16" and 1/16" hex keys
- Instructions
 - Hybrid Guide: set up and use your Pow!r Mount Hybrid
 - Mount'n Mover Quick Guide
 - Set lock positions
 - Move the mount with the hoop and paddle
 - Adjust the (non-powered) tilt
 - Attach and remove devices
 - Wheelchair attachment
 - Hang tag and labels for quick instructions

Hybrid Pow!r Mount:

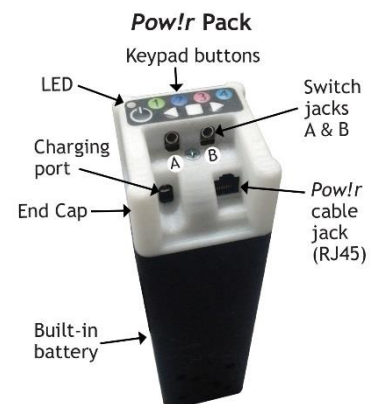
A Hybrid is a Mount'n Mover with a Pow!r Shoulder or Pow!r Tilt joint

- Mount'n Mover with locking joints, released by the Hoop or Paddle
- Pow!r joint: either a Pow!r Tilt or a Pow!r Shoulder
- Quick Release Plate, for attaching devices or trays
- Pow!r Cable, with RJ45 plug to connect to the Pow!r Pack



Pow!r Pack: connection hub with built-in battery and keypad

- End Cap: includes 2 switch jacks, charging port, Pow!r Cable jack, keypad
- Keypad buttons: Power On/Off; 4 programmable positions; Arrow keys for movement; Stop/programming key; LED for feedback
- Built-in Battery: 12 volt rechargeable lead acid battery



Charger/Power Supply

- Charger/Power Supply plugs into Pow!r Pack charging port
 - First time use: connect charger to Pow!r Pack overnight or until LED is solid green when Power supply is disconnected
 - Recharge daily, preferably overnight (recommended)
- LED battery status feedback
 - Green: Good voltage for use
 - Yellow: Power is getting low; recommend charging very soon
 - Red: Power is very low
 - No response: Unit has turned itself off due to low power
- Hybrid system can run when Charger is plugged in

Operation: Charge and connect it

1. Charge Pow!r Pack
 - a. Plug charger into powered outlet
 - b. Plug charger barrel into Pow!r Pack
2. Connect Pow!r Mount to Pow!r Pack
 - a. Plug the Pow!r mount cable into the RJ45 jack on the End Cap
 - b. Make sure it clicks in place
3. To disconnect the Pow!r cable, depress tang, lift slightly and pull out

1.b. Plug charger in



2.a. Insert Pow!r Cable

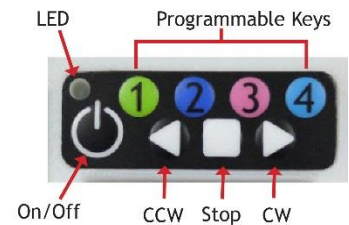


Pow!r Mount operation

Keypad control: provides access for others

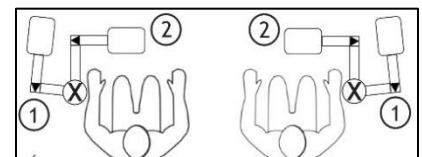
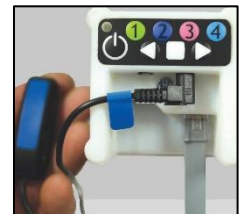
- **LED** provides feedback for Power status and programming
- **Power key:** Turns on the Pow!r mount (toggles between on and off)
 - Press the On/Off button (Green = On Red = Off Yellow = low voltage)
- **Arrow Keys**
 - Pow!r Shoulder: right arrow moves the mount clockwise; left is counterclockwise
 - Pow!r Tilt: Right arrow key moves the device towards horizontal/flat
- **Programmable Keys**
 - Move to preferred position using Arrow keys or Joint Release (p. 3)
 - Press and hold # -key until LED flashes Green 2 times
 - Note: Using switch access, a person moves between Positions 1 and 2
- **Stop key**
 - When a mount is moving to a Target Position, press Stop to stop it
 - A switch user can stop the mount by pressing the switch while it's moving
 - Stop key is also used in combination with other keys for advanced programming

Keypad function keys



Switch control: Three modes—Alternating directions, Specific directions or Target positions

- **Alternating directions, Single switch**
 - Plug switch into Jack A (Left)
 - Press and hold to move; Release to stop
 - Press and hold to move other direction
- **Specific directions, Two switches**
 - Plug switches into Jacks A and B
 - Each switch goes one direction
 - Press and hold switch to move; Release to stop
- **Target positions: Go between programmed Positions 1 and 2 with a switch**
 - Plug switch into Jack B (Right side)
 - Press the switch, and it will begin to go towards a Target position
 - When you hit the switch between the positions, it stops
 - The next time you hit the switch, it reverses direction
 - **Program Positions 1 and 2:**
 - Move to chosen Position 1, using Arrow Key or Joint Release (see p. 3)
 - Press and hold #1 until LED flashes Green 2x
 - Move to chosen Position 2, using Arrow Key or Joint Release
 - Press and hold #2 until LED flashes Green 2x
- **Pow!r Shoulder considerations:**
 - Before programming, set the “Mounting side” (p. 3)
 - Position 1 should be the position off to the side, for transfers
 - Position 2 should be the “use” position
- **Pow!r Tilt** unit, if Target positions are used:
 - Position 1 should be the flattest position
 - Position 2 should be the most upright or downward-facing position

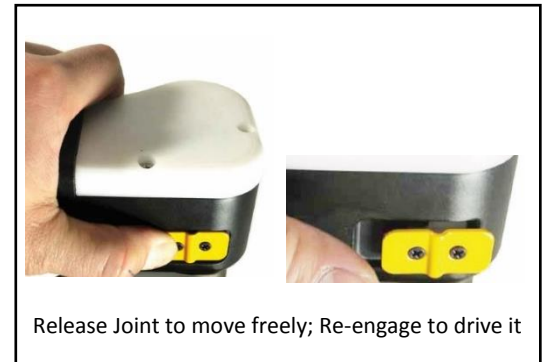


The Mount side determines which direction the mount moves as it goes from Position 1 to 2. This keeps it from trying to move through them

Advanced Features

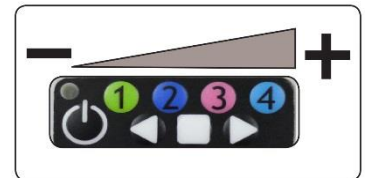
Joint Release

- The Pow!r Joint can be released to move the joint without power
- Push in on the back end of the yellow button and slide it towards the end of the joint
- It will pop up and out; you can now move the joint freely
- To re-engage it, push in on the button and slide it back into a locked position
- If you try to move the power joint and you can hear the motor, but it doesn't move, re-engage it



Back-off Force: If the arm or device runs into something, it will back-off when it sees it isn't moving

- The lightest back-off force is 1; the default factory setting is 3
- Setting 4 is strong, and only backs off if it runs into an immovable object
- Setting 4 should only be used in cases where:
 - you are using the Pow!r Tilt to move a heavier device (ie, > 5 pounds) from horizontal to a downward-facing position; or
 - you are using the Pow!r Shoulder to move a heavier device (> 8 pounds) on an extended arm, with your wheelchair in a tilted position (ie, > 20 degrees)
- To set the back-off force, press and hold the Stop/function key and the # key at the same time
 - Hold the keys until you see the LED flash Blue
- **Warning:** At its lightest, it can still move things
- The mount is powerful and can **knock things off tables, dislodge tubes and move things**
- **Joystick warning:** Be sure the mount cannot swing into and activate the joystick!!!



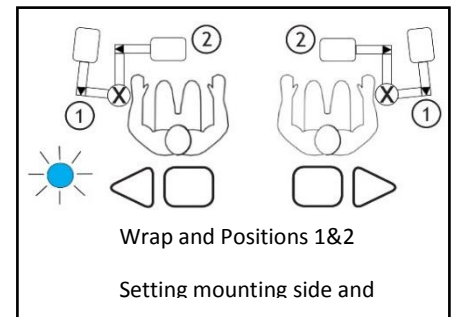
Setting the Back-off Force

Pow!r Shoulder features and considerations

Mounting Side: Setting the mount side controls the arm's rotation direction when moving between Target positions, so the mount will not try to move through a person's body.

This does not pertain to people using switches in the Directional mode.

- Set the Mount side (usually the side opposite the joystick)
 - Factory default setting is a Left-side mount
 - For a Right-side mount, Press and hold the Stop button and the Right arrow key until the LED blinks Blue. Release.
 - For a Left-side mount, Press and hold the Stop button and Left arrow key until the LED blinks Blue. Release.
 - Tip: To determine the Mount side setting, program Position 1 and 2
 - Move from Position 2 to 1; if it moves CCW, it is a Left side mount; CW, it is a Right-side mount
- Setting the positions:
 - Set Position 1 as the "away" position; set Position 2 as the "use" position
 - Position 1 will be the "away" position, even if you have set positions 3 and 4



Pow!r Tilt features and considerations

- For Target position switch users: Position 1 to 2 is your full range
 - Position 1 is always the flat/most horizontal position
 - Position 2 is the position furthest from flat
- Beware the Pinch hazards, especially if you have Back-off set at 4



Pinch Hazards

- Pow!r Tilt:
 - The pinch hazards are on each end of the movement, between the Tilt Plate and the Pow!r Joint
 - Suggestion: set positions about 1" from the pinch point
 - This prevents finger pinches, but a hand may still get pinched
 - Set the Back-off at 4 only if it won't move the device through its full range otherwise
- Pow!r Shoulder
 - A person's hand may be caught between the Pow!r joint and the lower arm of the mount, as the arm moves over the joint



Above: Pinch points with Tilt

Below: Keep hand clear of Power joint

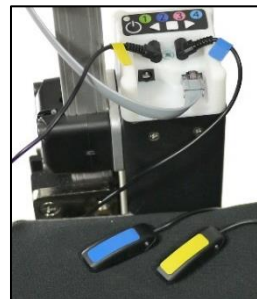
Pow!r Pack options (see photo series to the right)

- Separate Pow!r Pack (standard)
 - A Pow!r pack can be attached to a post, positioned horizontally or vertically
 - It is attached using the Link Cube (shown in the images)
 - It can be attached to the same or a different post
- The End Cap can be rotated for better plug access
 - Loosen the center screw
 - Lift the End Cap and rotate it 90 degrees, either way
 - Tighten the center screw
- Built-in Battery Pack (special order)

Switch mounting/cable management

Be planful. Switch cords and power cables can be hazardous or disconnect if caught by a person's hand

- Use standard accessibility switches
- Mount in best position for the person
 - Reliable press and hold/release
- Take care when routing the cables
- Tip: Use ties or straps, cable management clips
 - 3 provided with Tilt unit; 1 with Shoulder unit



Pow!r Pack attachment

Above: Pow!r Pack attached to wheelchair;

Below: Vertical; Horizontal; Built-in battery



Device Attachment and Wheelchair Attachment

- Basic instructions can be found on the Quick Guide
- More specific instructions can be found online at www.mountnmover.com

Need Help???

BlueSky Designs staff is ready, willing and able to help you!

- Call or email us or set up a Skype or Facetime session!
- 888-724-7002/612-724-7002
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