

# Quick reference guide

## ProCuity ZM, ZMX



### Scale

#### Zeroing the scale

Before you place a patient on the product, zero the scale.

Note:

- Zero will display for non-NAWI and Tare will display for NAWI (International versions only).
- Always zero the scale after you add a support surface, mattress, or linens to the bed frame.

To zero the scale:

1. On the Home screen, press the Press the Scale button
2. On the Scale screen, press the Zero button.
3. On the New Patient? screen, you may choose from the following:
  - a. Yes to zero and delete scale history.
  - b. No to zero and not delete scale history.
  - c. Cancel to cancel zero and return to the Scale screen.

Note: Do not touch the bed when you zero the scale.

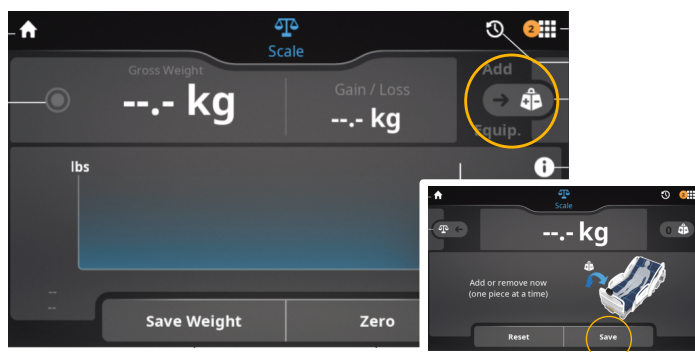
#### Adding or removing equipment

Note: The add or remove equipment function is only available when there is 4.4 lb (2 kg) gain/loss.

1. On the Home screen, press the Scale button.
2. On the Scale screen, press the Add Equip. button (0 +/- icon).
3. One item at a time, add or remove the desired equipment from the product.

Note: Do not touch the product while the product weighs the equipment.

4. Press the Save button to save the current weight and equipment count.

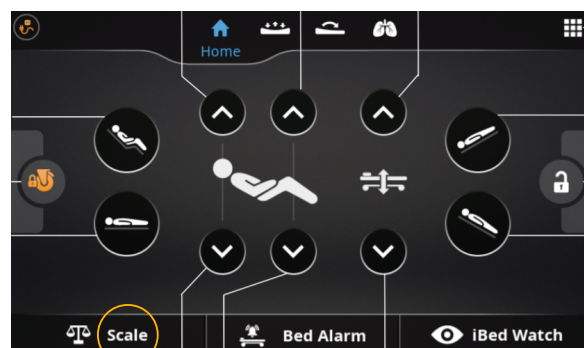


**1 WARNING** - Do not use the scale system reading as a reference for medical treatment. The scale system assists only to monitor the patient's weight variation.

#### Weighing a new patient<sup>1</sup>

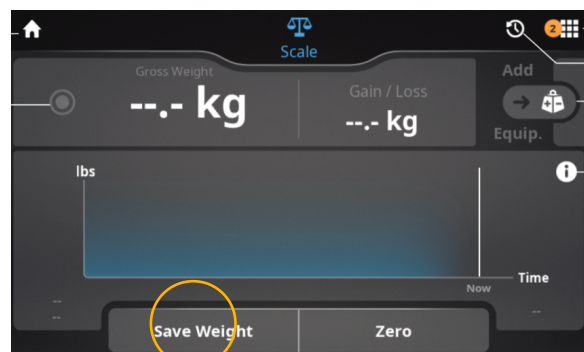
Note: Always zero the scale after you add a support surface, mattress, or linens to the product.

1.



On the Home screen, press the Scale button.

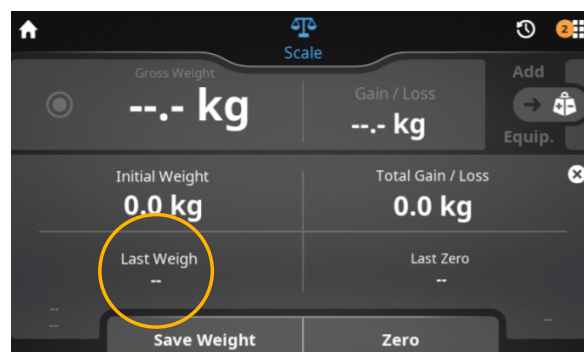
2.



On the Scale screen, press the Save Weight button.

Note: Do not touch the product when you weigh the patient.

3.



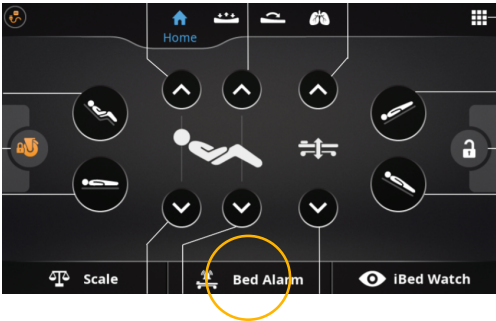
Note: The previous weight from the Last Weigh line will appear in Scale History.

Arming or Disarming Bed Exit

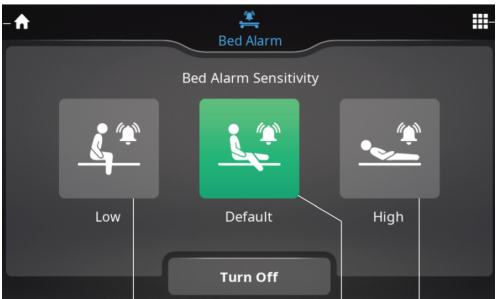
WARNING – Do not use Bed Exit to replace patient monitoring protocol. Bed Exit is intended only to aid in the detection of a patient exiting the product.

To arm Bed Exit:

1. Set the scale to zero if not already performed.
- Note: If you do not set the scale to zero before you place a patient on the product, Bed Exit may not operate as intended.
2. Position the patient on the product.
3. On the Home screen, press the Bed Exit button.



4. Select the desired zone.



Note: If you change the parameter conditions for Bed Exit:

- Bed Exit priority signal sent
- LEDs on the footboard and siderails flash red
- Sound alarm is triggered

To disarm Bed Exit, press Turn Off.

Note: Make sure that the product is clear of surrounding objects when scale or Bed Exit is in use.

iBed Watch

The iBed Watch screen displays the iBed Watch functions of the product. When enabled, iBed Watch alerts when changes are made to the selected bed settings:

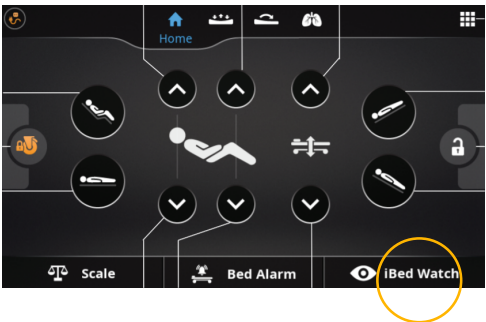
- Low height
- Siderails up
- Head angle
- Bed flat

If you change the monitored settings for iBed Watch:

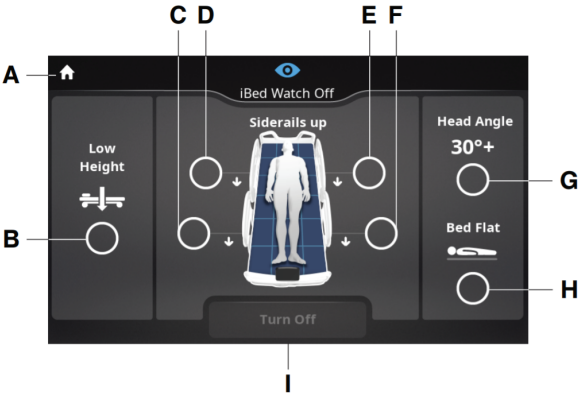
- Bed Exit priority signal sent
- LEDs on the footboard and side rails flash red
- Sound alarm is triggered

To enable iBed Watch:

1. Position the patient on the product. On the Home screen, press the iBed Watch button on the footboard control panel.



2. Select the desired bed settings to monitor.



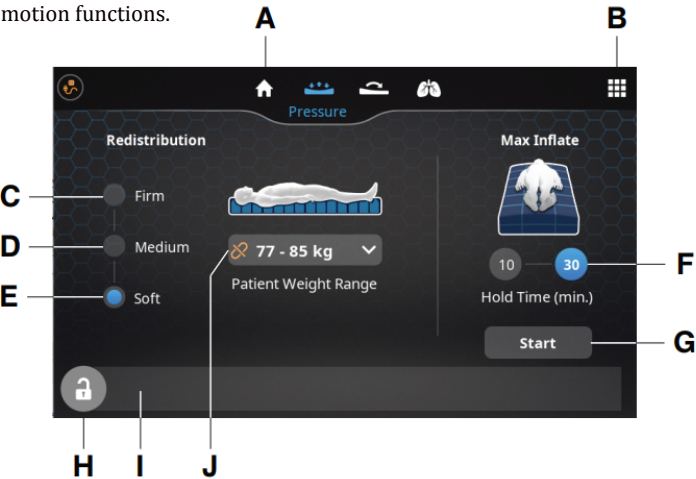
A	Home	Returns to the <b>Home</b> screen (Footboard control panel, advanced - Home option)
B	Low Height	Monitors low height of the bed
C	Foot right siderail	Monitors foot right siderail in the highest position
D	Head right siderail	Monitors head right siderail in the highest position
E	Head left siderail	Monitors head left siderail in the highest position
F	Foot left siderail	Monitors foot left siderail in the highest position
G	Head Angle	Monitors head angle of the bed
H	Bed Flat	Monitors bed flat position
I	Turn Off	Turns off <b>iBed Watch</b>

To disable iBed Watch, press Turn Off.

Pressure redistribution

WARNING - Always route the cables, wires, and tubing from other equipment so that parts of the product do not pinch them during operation.

CAUTION - Always clear the product of obstacles before you use motion functions.



A	Home	Returns to the <b>Home</b> screen (Footboard control panel, advanced - Home option)
B	Menu	Displays menu functions (Footboard control panel, advanced - Menu option)
C	Firm	Select to increase the redistribution firmness setting
D	Medium	Default redistribution firmness setting
E	Soft	Select to decrease the redistribution firmness setting
F	Hold time	Select 10 minutes or 30 minutes for the max inflate hold time
G	Start	Starts selected max inflate hold time
H	Lock	Locks or unlocks selected mattress operation settings
I	Status bar	Displays current mattress status
J	Patient weight range	Select to choose the current patient weight range

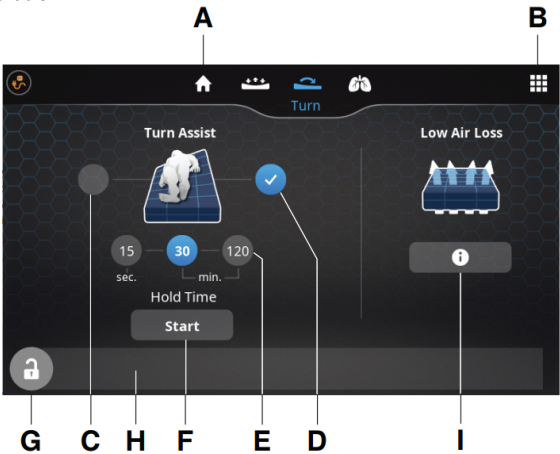
Turn assist

WARNING - Always route the cables, wires, and tubing from other equipment so that parts of the product do not pinch them during operation.

WARNING - Always lock the siderails in the highest height position during operation.

WARNING - Do not leave the patient unattended during operation.

WARNING - Do not zero or tare the scale or weigh the patient during operation.



Lateral Rotation

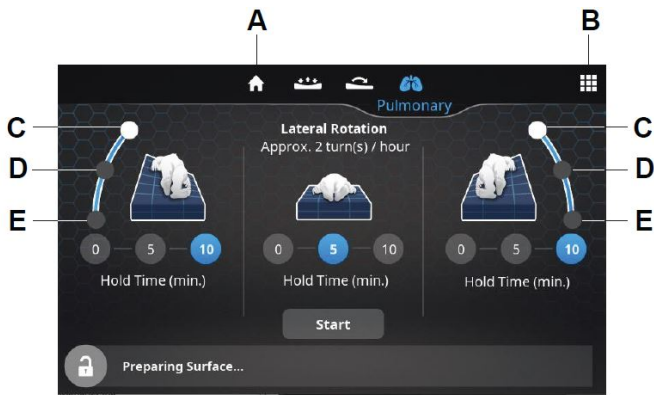
WARNING - Always route the cables, wires, and tubing from other equipment so that parts of the product do not pinch them during operation.

WARNING - Do not extubate or intubate the patient during operation.

WARNING - Always lock the siderails in the highest height position during operation.

WARNING - Do not zero or tare the scale or weigh the patient during operation.

WARNING - Always center the patient on the support surface and check frequently to maintain proper position.



A	Home	Returns to the <b>Home</b> screen (Footboard control panel, advanced - Home option )
B	Menu	Displays menu functions (Footboard control panel, advanced - Menu option )
C	Full	Full rotation. Available when Fowler angle is -5° to 35°
D	Reduced	Reduced rotation. Available when Fowler angle is -5° to 60°
E	Flat	No rotation

NOTE - A healthcare professional should determine the use of lateral rotation outside of the weight range of 60 lb (27.2 kg) to 460 lb (208.6 kg).

NOTE - Lateral rotation will not operate if the siderails are down.

To activate lateral rotation:

1. Position the patient on the center of the product.
2. Raise and lock the siderails in the highest height position.
3. Lower the bed height to the lowest practical position.
4. Set the Fowler angle for lateral rotation.
  - Full rotation (C): -5° to 35°
  - Reduced rotation (D): -5° to 60°
5. On the Home screen, press the Pulmonary button (C).
6. On the Pulmonary screen, select the rotation level (C, D, E) for the patient left and patient right side.
7. Select the 0, 5, or 10 minute hold time (F) for each step.
8. Press the Start button (G) to start lateral rotation.

• Note - Lateral rotation stops automatically when you reach 100 hours.

To pause or stop lateral rotation, press the button in the status bar (I) when it appears.

• Note - You can only change lateral rotation settings when the operation is stopped.



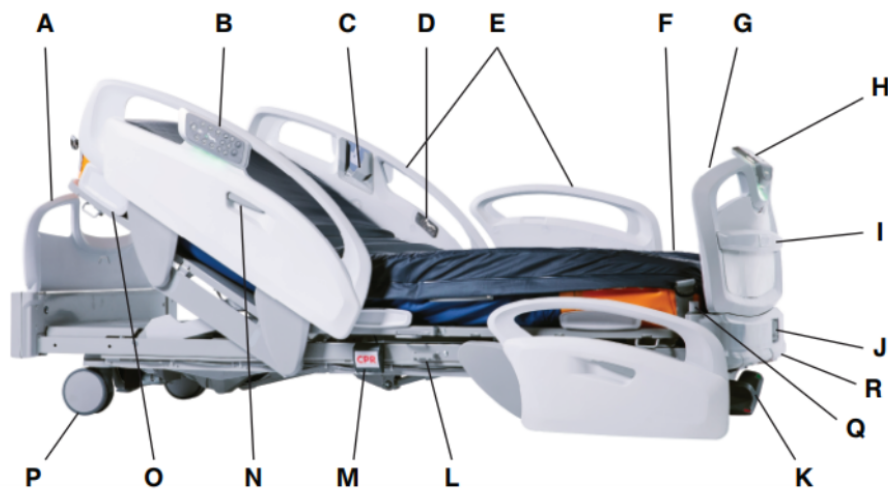
A	Home	Returns to the <b>Home</b> screen ( <i>Footboard control panel, advanced - Home option</i> )
B	Menu	Displays menu functions ( <i>Footboard control panel, advanced - Menu option</i> )
C	Turn assist, patient right	Selects turn assist for the patient right side
D	Turn assist, patient left	Selects turn assist for the patient left side
E	Hold time	Select 15 seconds, 30 minutes, or 120 minutes for the turn assist hold time
F	Start	Starts selected turn assist hold time
G	Lock	Locks or unlocks selected mattress operation settings
H	Status bar	Displays current mattress status
I	Info	Displays the low air loss info screen

Note - The Fowler angle must be less than or equal to 60° for turn assist to operate.

To activate turn assist:

1. Position the patient on the center of the product.
  2. Raise and lock the siderails in the highest height position.
  3. On the Home screen, press the Turn button.
  4. On the Turn screen, select the turn assist side.
  5. Select the 15 seconds, 30 minutes, or 120 minutes hold time.
  6. Press the Start button (F) to start turn assist.
- To cancel or stop turn assist, press the button in the status bar (H) when it appears.

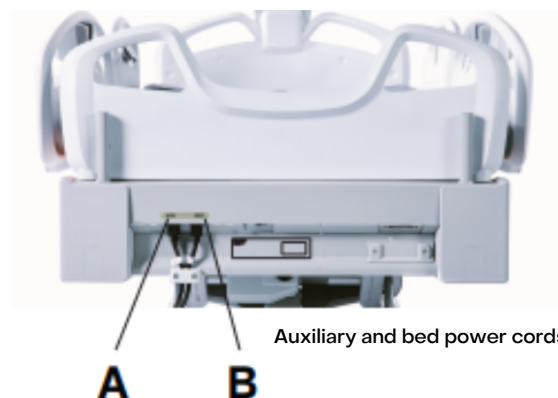
## Bed overview



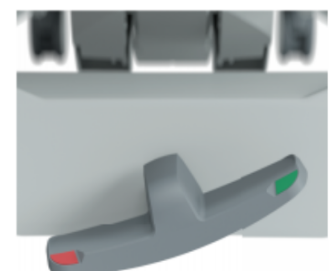
A	Headboard	J	Auxiliary outlet
B	Operator control panel	K	Brake/steer pedal
C	Patient device holder	L	Foley bag hook
D	Patient control panel	M	CPR release handle
E	Siderail	N	Siderail release
F	Support surface	O	Mattress retainer
G	Footboard	P	Caster
H	Footboard control panel	Q	Traction socket
I	Integrated pump rack	R	Bed extender release handle



37-pin connector



Auxiliary and bed power cords



Applying the brakes





Activating the CPR release handle



Foley bag hook



Releasing the brakes/neutral position

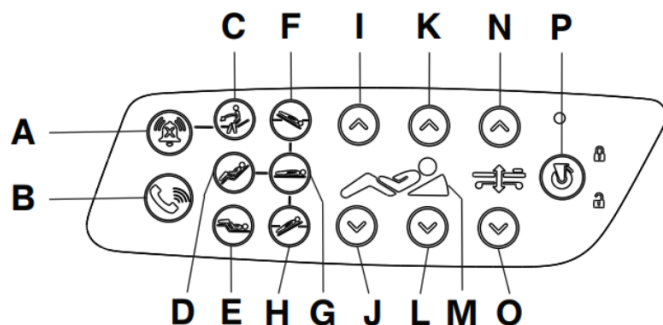
## Bed overview

### Caregiver controls (advanced)

**NOTE** - The motion button flashes when the product reaches the motion limit.

- **WARNING** - Always lower the product to its lowest height when the patient is unattended to reduce the risk of injury due to patient falls.
- Always lock the controls when the patient is unattended.
- Always route the cables, wires, and tubing from other equipment so that parts of the product do not pinch them.

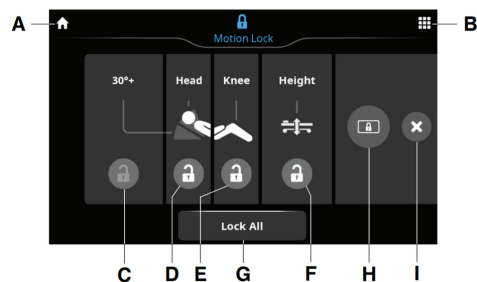
**CAUTION** - Always clear the product of obstacles before you use motion functions.



A	Bed exit	Press and hold to cancel bed exit alarm
B	Nurse call	Activates nurse call Places the product into a position for patient ingress or egress
C	Patient stand assist	
D	Cardiac chair position	Places the product into the cardiac chair position
E	Vascular position	Places the product into the vascular position
F	Trendelenburg	Places the product into the Trendelenburg position (head down with foot up)
G	Bed flat	Places the product into a 0° horizontal position
H	Reverse Trendelenburg	Places the product into the Reverse Trendelenburg position (head up with foot down)
I	Gatch up	Raises the Gatch
J	Gatch down	Lowest the Gatch
K	Fowler up	Raises the Fowler
L	Fowler down	Lowest the Fowler
M	Fowler 30°+	Illuminates when the Fowler is 30°+
N	Bed height up	Raises the litter
O	Bed height down	Lowest the litter
P	Brake indicator	Illuminates when you apply or release the brake

### Control lockouts

**NOTE** - Bed Exit, scale, and nurse call features are still available.



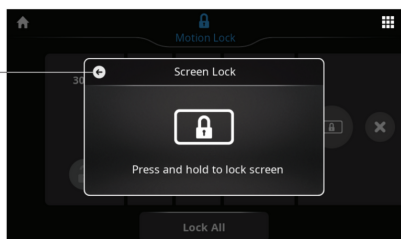
A	Home	Returns to the <b>Home</b> screen ( <i>Footboard control panel, advanced - Home option</i> )
B	Menu	Displays menu functions ( <i>Footboard control panel, advanced - Menu option</i> )
C	30°+ (Fowler) lock	Locks or unlocks the head (Fowler) position to 30°+
D	Head (Fowler) lock	Locks or unlocks head (Fowler) controls
E	Knee (Gatch) lock	Locks or unlocks knee (Gatch) controls
F	Bed height lock	Locks or unlocks bed height controls
G	Lock all	Locks or unlocks all motion function
H	Screen lock	Returns to the <b>Screen Lock</b> screen
I	Exit	Returns to the <b>Home</b> screen ( <i>Footboard control panel, advanced - Home option</i> )
J	Back	Returns to the <b>Motion Lock</b> screen

#### WARNING

- Always lock the controls when the patient is unattended.
- Always lock the controls when the patient's condition requires extra safety measures.

The Motion Lock screen displays the lockout functions of this product.

Lockouts can lock out motion control input from the operator control panel and patient control panel.



## Zoom components overview

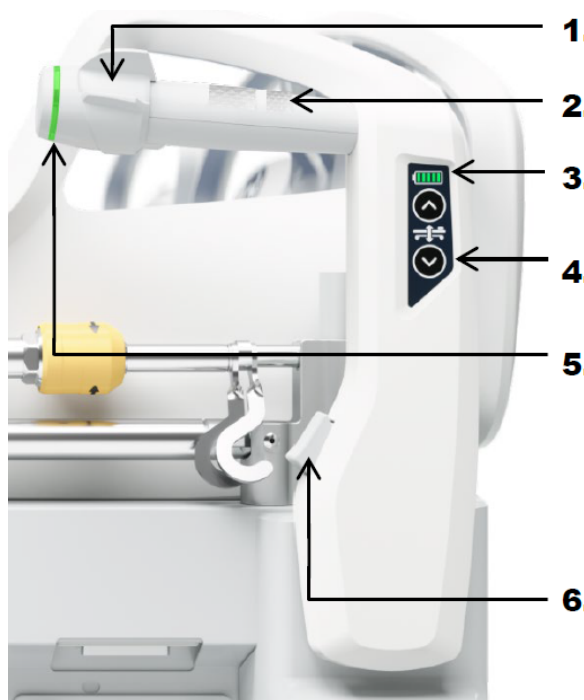
### WARNING

- Always lower the product to its lowest height when the patient is unattended to reduce the risk of injury due to patient falls.
- Always lock the controls when the patient is unattended.
- Always route the cables, wires, and tubing from other equipment so that parts of the product do not pinch them.

### CAUTION

- Always clear the product of obstacles before you use motion functions.

**NOTE** - The motion button flashes when the product reaches the motion limit.



**1. Throttle** - rotates forward and backward to move the bed.

**2. Touch sensor** - lowers the wheel to the floor when activated by the user's hand.

**3. Zoom Battery level** - indicates Zoom battery status.

- Green (solid): All Zoom functions available
- Green (flashing): Charging
- Red (solid): Low battery. All Zoom functions available, reduced speed on ramps. **NOTE: If Zoom is inactive, the wheel will not deploy.**
- Red (flashing): Very low battery, deactivate Zoom and transport product manually

**4. Bed height controls** - raises and lowers the litter.

**5. Throttle indicator** - shows Zoom status.

- Green (flashing): Zoom is activating/deactivating
- Green (solid): Zoom is ready
- Amber (flashing): Error, contact service
- Off: Zoom inactive

**6. Handle release** - lowers the Zoom handles.

## Operating Zoom drive system

### WARNING

- Always store the power cord before you transport the product.
- Always lock the siderails in the highest height position with the sleep surface horizontal when you transport a patient.
- Always keep limbs, hands, fingers, and other body parts clear of mechanisms and gaps.
- Always check that there are no obstacles near the product. Injury to the patient, operator, bystanders or damage to the frame or surrounding equipment could occur if you collide with an obstacle.
- Do not attempt to transport the product laterally after you apply the Zoom motorized drive. The Zoom motorized drive cannot swivel.
- Do not use the brake to slow or stop the product while it is in motion.

### CAUTION

- Always remove the patient helper before you transport the product.
- Always make sure that the IV pole is at a low height during transport.
- Do not transport the product on inclines greater than 6 degrees (10% grade).

1. Unplug bed.
2. Release brakes.
3. Adjust bed height.
4. Grab handle.
5. Rotate throttle.

Where is the Zoom ON button? There is none! Grab the handle to go!

**Brake/Steer Pedal:** There is no steer caster on a Zoom bed. The steer position of the pedal has NO effect on a Zoom bed and is the same as the pedal's neutral position.

**Stuck Throttle Check:** If the throttle is stuck in a non-neutral position or if the user rotates the throttle before grabbing the handle, Zoom will not allow driving. Rotate the throttle back to neutral and resume driving.

## Operating Zoom drive system



<b>Normal stop:</b>	Rotate throttle back to neutral.
<b>Fast stop:</b>	Rotate throttle past neutral to the opposite direction of travel. Releasing the handle also accomplishes this but is not recommended.
<b>Push Laterally:</b>	To push the bed side to side, the handle must be released until the light ring stops flashing green, indicating the wheel has raised.

**ProTip:** Push the bed in neutral using the headboard and siderails when moving the bed in the room or onto/off of an elevator. Use the throttle only when pushing the bed in Zoom.

There are 3 modes for Zoom outside of typical driving:

1. **Drag Mode** – If the throttle or entire handle is released while driving on a ramp, the Zoom wheel will stay down and enter Drag Mode. Drag Mode will prevent the bed from rolling away from the caregiver while on a ramp.
2. **Free Wheel Mode** – The Zoom wheel acts like a manual 5<sup>th</sup> wheel. After holding the handle with the bed not moving for several seconds, the bed can be pushed and pulled with the wheel acting as a turning pivot in the middle of the bed. The bed cannot be moved laterally while the Zoom wheel is down. Max speed is limited in this mode to prevent excessive speeds down a ramp.
3. **Wheel Up** – To move the bed laterally or not worry about whether Zoom is in “Drag Mode” or “Free Wheel Mode” listed above, release the handle until light ring is off. The headboard can be used as grab points to manually push the bed.