Interactive Display Cart Lift (IDC-1000) and Wall Lift (IDW-1000)

The IDC-1000 and IDW-1000 accommodates the 3-M Wall Display, Numonics IPM1000 and IPM2000, SmartBoard 560, and SmartBoard 580 interactive displays without ordering any additional brackets.

The IDC is designed to mobilize interactive displays for cost-effective usage. The cart incorporates an electric lift mechanism to smoothly raise and lower the interactive display to fit through doorways and adjust display height for comfortable presenting.

The streamline shape of the IDC eliminates trip hazards and allows the display to roll smoothly up to a conference table.

The IDW is designed to smoothly raise and lower the interactive display to accommodate different presenter preferences. Customized height adjustment and smooth, quiet movement help eliminate distractions for the presenter and the audience.

BEFORE YOU BEGIN

- **CAUTION**: To prevent damage to the lift, which could affect or void the Factory warranty, thoroughly study all instructions and illustrations before you begin to install or operate the unit. Pay particular attention to the “Important Precautions” on Page 1.

- The maximum weight to be installed on the IDC or IDW is 100 pounds (45.364 Kg).

- If you have any questions about this assembly, contact Chief Manufacturing at 1-800-582-6480 or 952-582-6480.
IMPORTANT WARNINGS AND CAUTIONS!

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

• WARNING: Do not attempt to hang the Interactive Display alone. Always use two people to hang the display.

• WARNING: Improper installation can result in serious personal injury! Make sure that the structural members can support a redundant weight factor five times the total weight of the equipment: if not, reinforce the structure before installing the IDW.

• WARNING: Be aware also of the potential for personal injury or damage to the unit if it is not adequately mounted.

• WARNING: The installer is responsible for verifying that the wall to which the IDW is anchored will safely support the combined load of all attached components or other equipment.

• WARNING: Do not put fingers or cords between pinch points when power is applied to the lift.

• WARNING: The weight of the Interactive Display must not exceed 100 lbs. (45.36 kg), the maximum load capacity of the IDC or IDW.

• CAUTION: Inspect the unit for shipping damage.

• CAUTION: Do not use cleanser or harsh cleaning agents on displays.

• CAUTION: Be careful not to run board to far to bottom limit. Board may contact cart and cause damage to board or cart.

TOOLS REQUIRED FOR INSTALLATION

• Wrench Set
• Allen wrenches
• Phillips screwdriver
• Socket set with extension

NOTE: Other tools may be required depending on the method of installation.
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INSPECT PARTS BEFORE ASSEMBLY

Inspect the lift

1. Carefully inspect the lift for shipping damage. If any damage is apparent, call your carrier claims agent and do not continue with the assembly procedure until the carrier has reviewed the damage.

NOTE: Read all assembly instructions before starting assembly.

2. Carefully inspect all components for damage (See Figure 1).

Table 1:

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Lift Assembly</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Bottom Support</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Upper Lip Support</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Switch Plate Adjustment</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Switch Plate</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Bottom Hold Down</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Lower Support (Numonics Only)</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Upper Support (Numonics Only)</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ship Along Item (not shown)</th>
<th>Quantity</th>
<th>Ship Along Item (not shown)</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire Management Clips</td>
<td>3</td>
<td>Phillips Head Screw, 1/4 X 20 X 1”</td>
<td>2</td>
</tr>
<tr>
<td>Button Head Cap Screw, 1/4-20 X 3/4”</td>
<td>8</td>
<td>Mounting Button, Black</td>
<td>2</td>
</tr>
<tr>
<td>Phillips Head Screw, M5 X .25</td>
<td>2</td>
<td>Steel Sleeve</td>
<td>2</td>
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<tr>
<td>Mounting Button, Green</td>
<td>2</td>
<td>Thumbscrew</td>
<td>2</td>
</tr>
<tr>
<td>Nylon Spacer, 1/8”</td>
<td>2</td>
<td>Phillips Head Screw, 10-24 X 3/4”</td>
<td>4</td>
</tr>
<tr>
<td>Button Head Cap Screw, 1/4-20 X 1/2”</td>
<td>8</td>
<td>Nylock Nut, 10-24</td>
<td>4</td>
</tr>
<tr>
<td>Phillips Head Screw, 8-32 X .3/8”</td>
<td>2</td>
<td>Hex Key, 5/32”</td>
<td>1</td>
</tr>
<tr>
<td>Phillips Head Screw, 10-24 X .3/8”</td>
<td>12</td>
<td>Hex Key, M3</td>
<td>1</td>
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</table>
Figure 1. Parts
IDW-1000 ATTACHMENT PROCEDURES

Attach the lift to the wall as follows:

NOTE: The inverted teardrop slots allow either 16” or 24” on center mounting hardware installation.

WARNING: It is the responsibility of the installer to verify that the wall to which the lift is anchored will safety support the combined load of all attached components and equipment.

1. Install two fasteners into wall to support the lift (see Figure 2).
2. Hang the lift on the fasteners installed in Step 1 (see Figure 3).
3. Install remaining fasteners.
IDC-1000 ATTACHMENT PROCEDURES

Attach Lift to Cart as follows:

CAUTION: Be careful not to run board to far to bottom limit. Board may contact cart and cause damage to board or cart.

NOTE: Numbers in ( ) refer to parts shown in Figure 1.

1. With the cart rolled up against a stable vertical surface, make sure the casters are locked.
2. Using eight 1/4-20X3/4” button head cap screws, secure lift mechanism (1) to cart (see Figure 4).

Figure 4. Secure Lift Mechanism to Cart
Setup Lift

1. Attach bottom support (2) to the lift mechanism (see Figure 5 and Figure 6).

![Figure 5. 3M Whiteboard Q-Button Locations](image)

![Figure 6. 3M Whiteboard Q-Button Attachment](image)
ELECTRICAL WIRING

Perform electrical wiring as follows:

Perform electrical wiring prior to assembly to facilitate assembly.

WARNING: Do not put fingers or cords between pinch points when power is applied to the lift.

1. Route power cord.
   A. If supplying power from bottom of unit: Remove rubber grommet around access hole, drop electrical cord with plug through access hole and rubber grommet, and install rubber grommet (see Figure 7).
   B. If supplying power from back of unit: Route cord to desired location.

2. Secure power cord.
   A. Make sure there are no pinch points for power cord.
   B. Using tie wraps or cable ties, secure power cord as necessary.

3. Route control cord.
   A. Unplug control cord (telephone jack type connector) from control unit.
   B. Route control cord for right or left hand control (see Figure 8) allowing enough cord for operation but limiting excess cord.
   C. Plug control cord (telephone jack type connector) into control unit (see Figure 9).

   A. Make sure there are no pinch points for control cord.
   B. Using tie wraps or cable ties, secure control cord as necessary.
5. Apply power and test unit for operation. If unit does not operate, perform the following:
   
   A. Make sure cord between transformer and control unit is plugged in securely (see Figure 10).
   
   B. Change control cord plug to other receptacle (see Figure 9).
   
   C. Make sure unit is plugged in and power is supplied to unit.
   
   D. Call Chief Manufacturing.

5. Unplug power from unit.

Figure 10. Transformer Connection
INTERACTIVE WHITEBOARD INSTALLATION PROCEDURES

3M Interactive Whiteboard Set-Up

Attach Q-Buttons to 3M Interactive Whiteboard as follows:

1. Attach Q-buttons to the 3M Interactive Whiteboard (see Figure 11 and Figure 12).

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Figure 11. 3M Whiteboard Setup

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Figure 12. 3M Whiteboard Bottom Support Attachment
2. Attach upper lip support (3) to the lift mechanism (1) (see Figure 13).

3. On right or left side of bottom support, attach switch plate adjustment (4) (see Figure 14).

NOTE: Smaller boards may use only two screws when sliding plate is pushed further in.

Figure 13. 3M Whiteboard Upper Support Attachment

Figure 14. 3M Whiteboard Switch Sliding Plate Attachment
3. Attach switch pendant to switch plate (5) (see Figure 15).

4. Attach switch plate (5) to switch plate adjustment (4) (see Figure 16).
5. Install interactive display on lift (see Figure 20).

**Figure 20. 3M Whiteboard Installation On Lift**

**WARNING:** Do not attempt to hang the Interactive Display alone. Always use two people to hang the display.

6. Install bottom hold down (6) (see Figure 21 and Figure 22).

**Figure 21. 3M Whiteboard Hold-Down Installation**

**Figure 22. 3M Whiteboard Hold-Down Installed**
Smart Board 560 Set-Up

Attach Q-Buttons to Smart Board as follows:

1. Attach Q- buttons to the Smart Board (see Figure 23 and Figure 24).

Figure 23. Smart Board 560 Q-Button Locations

Figure 24. Smart Board 560 Q-Button Attachment
Setup Lift

1. Attach bottom support (2) to the lift mechanism (see Figure 25 and Figure 268).

Figure 25. Smart Board 560 Setup

Figure 26. Smart Board Bottom Support Attachment
2. Attach upper lip support (3) to the lift mechanism (see Figure 27).

3. Install thumbscrews to stabilize whiteboard if necessary (see Figure 28).
**WARNING:** Do not attempt to hang the Interactive Display alone. Always use two people to hang the display.

4. Install interactive display on lift (see Figure 29), making sure upper lip support on Smart Board fits into upper support on lift.

![Figure 29. Place Smart Board on Lift](image)

5. Install bottom hold-down (6) (see Figure 30).

![Figure 30. Smart Board Mounting Button Hold-Down Attachment](image)
6. Install switch on switch plate (5) (see Figure 31).

Figure 31. Smart Board Switch Pendant to Switch Bracket Attachment
7. Install switch plate adjustment (4) in the position that best suits your Whiteboard (see Figure 32).

NOTE: Smaller boards may use only two screws when sliding plate is pushed further in.

Figure 32. Smart Board Sliding Switch Attachment
Smart Board 580 Set-Up

Attach Q-Buttons to Smart Board as follows:

1. Attach Q-buttons to the Smart Board (see Figure 33 and Figure 34).

Figure 33. Smart Board 580 Q-Button Locations

Figure 34. Smart Board 580 Q-Button Attachment
Setup Lift

1. Attach bottom support (2) to the lift mechanism (see Figure 35 and Figure 36).

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**Figure 35. Smart Board Setup**

**Figure 36. Smart Board Bottom Support Attachment**
2. Attach upper lip support (3) to the lift mechanism (see Figure 37).

3. Install thumbscrews to stabilize whiteboard if necessary (see Figure 38).

7. Install switch plate adjustment (4) in the position that best suits your Whiteboard (see Figure 42).
WARNING: Do not attempt to hang the Interactive Display alone. Always use two people to hang the display.

4. Install interactive display on lift (see Figure 39), making sure upper lip support on Smart Board fits into upper support on lift.

![Figure 39. Place Smart Board on Lift](image)
5. Install bottom hold-down (6) (see Figure 40).

6. Install switch on switch plate (5) (see Figure 41).
NOTE: Smaller boards may use only two screws when sliding plate is pushed further in.

Figure 42. Smart Board Sliding Switch Attachment
Numonics Whiteboard Set-Up

Setup Lift

1. Attach bottom support (2) to the lift mechanism (see Figure 43, Figure 44, Figure 45 and Figure 46).

![Diagram of Numonics Whiteboard Set-Up]

Figure 43. Numonics Whiteboard Setup

![Diagram of Numonics Whiteboard Bottom Support Attachment Points]

Figure 44. Numonics Whiteboard Bottom Support Attachment Points
Figure 45. Numonics Whiteboard Bottom Support Attachment

Figure 46. Numonics Whiteboard Bottom Support Showing Both Sides
2. Attach upper lip support (3) to the lift mechanism (see Figure 47 and Figure 48).

Figure 47. Numonics Whiteboard Upper Lip Support

Figure 48. Numonics Whiteboard Both Sides Upper Lip Support
WARNING: Do not attempt to hang the Interactive Display alone. Always use two people to hang the display.

3. Install interactive display on lift (see Figure 49 and Figure 50), making sure upper support lip on Smart Board fits into upper support on lift.

PLACE NUMONICS WHITEBOARD ON LIFT. ENSURE THAT UPPER LIPS ON WHITEBOARD ENGAGE IN SUPPORTS ON LIFT.

Figure 49. Numonics Whiteboard On Lift

ENSURE BOTTOM OF WHITEBOARD RESTS ON BOTTOM SUPPORTS-BOTH SIDES

Figure 50. Numonics Whiteboard Rests on Both Sides
5. Install switch pendant on switch plate (5) (see Figure 51).

6. Attach switch plate (5) to switch plate adjustment (4) (see Figure 52).

Figure 51. Numonics Whiteboard Switch Pendant to Switch Bracket Attachment

Figure 52. Numonics Whiteboard Pendant Bracket to Sliding Switch Bracket Attachment
7. Install switch plate adjustment (4) in the position that best suits your Whiteboard (see Figure 53).

NOTE: Smaller boards may use only two screws when sliding plate is pushed further in.

Figure 53. Numonics Whiteboard Sliding Switch Attachment