Read all instructions carefully & check all components are present before discarding packing materials.

Assembly Procedure

1. Identify Mount Type
2. Identify the Parts
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4. Attach the Frame Clamp Assembly to Wheelchair
5. Orient Frame Clamp Assembly
6. Attach Vertical S-Bend Tube to ROP (DFM2ROP Version)
7. Align the Frame Clamp Assembly (Both DFM2 & DFM2ROP)
8. Attach the IC1 to Vertical S-Bend Tube (DFM2 Version)
9. Install the Vertical S-Bend Tube (DFM2 Version)
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11. Determine Swing-Away Positions (DFM2 Version)
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20. Final Adjustments
21. Folding Sequence (When Mounted on RIGHT Side)
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Caution:
In the folded position the attached device protrudes beyond the side of the wheelchair making it vulnerable to collisions if the wheelchair is moved or driven. It is recommended to remove the device from the mount.

When folded the unbalancing effect of heavy devices mounted to small lightweight wheelchairs is reduced but not eliminated. It is advisable to remove the device and/or mount before the wheelchair is vacated.

The User is unlikely to be able to perform the folding sequence independently; assistance is often required.
Identify Mount Type
The following instructions include details on both the DFM2 and the DFM2ROP Folding Mounts. Identify the mount-type and follow the appropriate instructions.
DFM2 The DFM2 is the DAESSY Folding Mount; the standard version of the mount.
DFM2ROP The DFM2ROP is the DAESSY Folding Mount which has a locking removable outer piece (ROP) for chairs with a tilting mechanism.

Identify the Parts
Use the parts list and diagram below to identify each part and ensure all parts are included.

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Part Name</th>
<th>DFM2</th>
<th>DFM2ROP</th>
</tr>
</thead>
<tbody>
<tr>
<td>STR16</td>
<td>Horizontal Tube (Straight 16&quot; Tube)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>S22x3</td>
<td>Vertical S-bend Tube (22&quot; long with 3&quot; offset)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>RTH2RTHTM</td>
<td>Folding Mechanism</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>TUSB</td>
<td>Total Quick Release Base</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>UFCxxxxIP or MH3/IPA</td>
<td>Frame Clamp (parts will vary based on wheelchair, look for anything with an IP or IPA engraved on it)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>UFCOP</td>
<td>Frame Clamp Outer Piece w/ Swivel Clamp</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>IC1</td>
<td>Index Clamp</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>RFCR</td>
<td>Removable Frame Clamp Receiver</td>
<td></td>
<td>☐</td>
</tr>
<tr>
<td>ROP</td>
<td>Removable Outer Piece</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>Tools</td>
<td>Assembly Tools</td>
<td>☐</td>
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<tr>
<td>Instruction Papers</td>
<td></td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

The Frame Clamp Assembly
This step requires 2 components:
- Frame Clamp (UFCxxxxIP)
- UFCOP (DFM2 Version)
- RFCR (DFM2ROP Version)
The Frame Clamp varies depending on the type of wheelchair, it may not be exactly as shown, “Frame Clamp” most commonly refers to UFCxxxxIP, but there are others all of which will include IP or IPA in their part code. These instructions are specific to mounts with a UFCxxxxIP; other types of
Frame Clamps will include separate assembly instructions. Identify the Frame Clamp and the UFCOP (DFM2), or RFCR (DFM2ROP).

Remove the cap from the Frame Clamp (above left). For the **DFM2 Version** - Remove the Swivel Clamp from the UFCOP (above center). For the **DFM2ROP Version** - Remove the Swivel Clamp from the RFCR (above right).

**DFM2 Version** - Align the grooves on the UFCOP with the grooves on the Frame Clamp (photo below left). Put the non-threaded half of the swivel clamp into the UFCOP (with the bolts pushed through). Put the threaded half into the Frame Clamp body and begin tightening the bolts, alternating between the two. Do not fully tighten the bolts. The UFCOP and the UFCxxxxIP should be able to swivel freely. See photos below.

**DFM2ROP Version** – Align the grooves on the RFCR with the grooves on the Frame Clamp (photo below left). Put the non-threaded half of the swivel clamp into the RFCR (with the bolts pushed through). Put the threaded half into the Frame Clamp body and begin tightening the bolts, alternating between the two. Do not fully tighten the bolts. The RFCR and the UFCxxxxIP should be able to swivel freely. See photos below.
Attach Frame Clamp Assembly to the Wheelchair

This step requires 2 components:
- Wheelchair
- Frame Clamp Assembly (either DFM2 or DFM2ROP)

Find the location on the wheelchair to attach the Frame Clamp Assembly (this should have been identified prior to ordering); most often the location will be either near the front caster wheel or on the seat frame. Make sure the location is part of the wheelchair frame, not a movable attachment like the footrest.

At the selected location; fit the Frame Clamp Assembly around the tube. Replace the bolts and gently tighten them, do NOT fully tighten them at this time. The Frame Clamp “cap” should face towards the inside of the wheelchair.

Orient Frame Clamp Assembly

DFM2 Version - Orient the Assembly so that the Pin on the UFCOP is pointing upwards (as shown in the photos below). All bolts should still be loose enough to allow adjustment.
DFM2ROP Version – The most common option is to assemble this mount with the Blue Handle at the top (pointing upwards). The Frame Clamp “Cap” must be on the inside and the RFCR on the outside of the chair (as shown in the photos to right). All bolts should still be loose enough to allow adjustment.

Attach Vertical S-Bend Tube to the ROP (DFM2ROP Version)
This step requires 3 components:
- Wheelchair
- Frame Clamp Assembly (loosely attached to chair)
- Vertical S-bend Tube
- ROP
Attach the ROP to the Vertical S-bend Tube. Using one finger, align the Pinch Clamp with the inside of the tube-hole in the ROP. Slide the ROP onto the tube to the desired position, and then tighten the Pinch Clamp. The photo below is the typical orientation.

Align the Frame Clamp Assembly (Both DFM2 & DFM2ROP)
This step requires 3 components:
- Wheelchair
- Frame Clamp Assembly (loosely attached to chair)
- Vertical S-bend Tube
Slide the Vertical S-Bend Tube into the Frame Clamp Assembly. Use the tube as a lever to align the Frame Clamp Assembly as described below.
Sideways alignment: Hold the Vertical S-Bend Tube parallel to the wheelchair and tighten the Frame Clamp “Cap” bolts alternating between each bolt until tight. Fully tighten the bolts.

When completely tight there should be a gap of 1/32” to 1/64” between the Cap & Body of the Frame Clamp on round tube. A larger gap indicates the Frame Clamp may be too small for the tube. If there is no gap and the inner piece does not clamp the wheelchair tube firmly; up to 4 layers of aluminum foil may be wrapped around the wheelchair tube, however if more layers are needed it indicates the Frame Clamp is too large. Contact Daedalus Technologies for information on adapter sleeves.

Forward/Backward Alignment (DFM2): Align the Vertical S-Bend Tube then carefully remove the tube to access the Swivel Clamp bolts taking care not to move the UFCOP. Use the Tommy bar to get leverage while tightening the bolts. Alternate between the two bolts several times, tightening each one until the two bolts are as tight as possible.

Forward/Backward Alignment (DFM2ROP): Align the Vertical S-Bend Tube then carefully remove the tube to access the Swivel Clamp bolts taking care not to move the RFCR. Alternate between the two bolts several times, tightening each one until the two bolts are as tight as possible.

Attach IC1 to the Vertical S-Bend Tube (DFM2 Version)
This step requires 2 components:
- IC1 (with Pinch Clamp)
- Vertical S-Bend Tube
Using one finger, align the Pinch Clamp with the inside of the tube hole in the IC1. Slide the IC1 onto the tube to the desired position, and then tighten the Pinch Clamp. There are 3 holes on the bottom of the IC1 which should be oriented downward.
Either end of the Vertical S-Bend Tube can be used as the lower end. The photo below is the typical orientation.

Install the Vertical S-Bend Tube (DFM2 Version)
This step requires 2 components:
- Vertical S-Bend Tube (with IC1 attached)
- Wheelchair (with Frame Clamp Assembly Attached)

Slide the Vertical S-Bend Tube into the Frame Clamp assembly on the wheelchair. Note: the Pin on the Frame Clamp assembly will slide into one of 3 holes on the underside of the IC1.

Determine In-Use Position (DFM2 Version)
This step requires 2 components:
- Vertical S-Bend Tube (with IC1 attached)
- Wheelchair (with Frame Clamp Assembly Attached)

The In-use position of the Vertical S-Bend Tube needs to be determined before continuing. Orient the Vertical S-Bend Tube into the ideal position for the user. Ensure that the S-bend will avoid obstructions and the top end of the tube is the correct distance front-to-back. Tighten the Pinch Clamp enough to hold the Vertical S-Bend Tube firmly in place. This will now be referred to as the “In-Use Position”.

Determine Swing-Away Positions (DFM2 Version)
This step requires 2 components:
- Vertical S-Bend Tube (with IC1 attached)
- Wheelchair (with Frame Clamp Assembly Attached)

Choose how the Swing arm will articulate. There are 3 possible configurations in the figure (A, B or C).

Loosen the Pinch Clamp on the IC1 enough to allow adjustment.
Use the table to determine the Pin Orientation for the In-Use position (1, 2, or 3). The number corresponds to the Hole in the bottom of the IC1.

In order to get the Configuration chosen the IC1 needs to be rotated on the Vertical S-Bend Tube. Hold the Vertical S-Bend Tube in the “in-use” position while rotating the IC1 until the UFCOP Pin is engaged in the correct hole on the IC1 (Hole 1, 2 or 3 as shown in the photo). For example: For configuration “A” the UFCOP Pin must be in hole #2 of the IC1 when the tube is in the “In-Use” Position. Once the tube and IC1 have been positioned, tighten the Pinch Clamp on the IC1.

<table>
<thead>
<tr>
<th>Side (Left of Right of Chair)</th>
<th>Configuration</th>
<th>Pin Orientation for “In-Use” Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left</td>
<td>A</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>1</td>
</tr>
<tr>
<td>Right</td>
<td>A</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>3</td>
</tr>
</tbody>
</table>

_Adjust Height and S-bend orientation (DFM2 Version)_

To set the height of the DFM2 slide the IC1 down the Vertical S-Bend tube until the “in-use” pinhole engages the Index Pin and the IC1 is resting on the UFCOP. Lower the Vertical S-Bend Tube through the tube hole in the UFCOP until the top end is at approximately the correct height for the mounted device. Tighten the Pinch Clamp.

_Adjust Height and S-bend Orientation (DFM2ROP Version)_

Loosen the Pinch Clamp on the ROP. Adjust the Vertical S-Bend tube to correct height and orientation. Tighten the Pinch Clamp.

Caution:
The bolt on the Pinch Clamp should not be excessively tightened. The Pinch Clamp grips the Vertical S-Bend tube sufficient to prevent it rotating in the Index Clamp or Removable Outer Piece when the Horizontal Tube is pushed firmly by a user. By design the Pinch Clamp does not provide an immoveable grip. Extreme tightening of the Pinch Clamp bolt on the Vertical S-Bend tube in an attempt to prevent the Horizontal Tube from moving when very forcefully pushed will crush the tube and jam the Pinch Clamp. DAESSY mounting assemblies are designed to carry the weight of a computer or communication device and are not intended to resist a strong force exerted by the user.
Attach Horizontal Tube onto the Folding Mechanism

This step requires 2 components:
- Folding Mechanism (RTH+2RTHTM)
- Horizontal Tube

Remove the foam plugs holding the Pinch Clamps in the Folding Mechanism. Using one finger, align the Pinch Clamp with the inside of the tube-hole in the Folding Mechanism. Check that the Pinch Clamp is correctly aligned and install the Horizontal Tube and tighten the Pinch Clamp Bolt (as shown to the right).

Attach Folding Mechanism to the Vertical S-Bend Tube

This step requires 2 components:
- Folding Mechanism (with Horizontal tube attached)
- Vertical S-Bend Tube

Using one finger, align the Pinch Clamp with the inside of the tube-hole in the Folding Mechanism. Slide the Folding Mechanism onto the Vertical S-Bend Tube (as shown). Gently tighten the Pinch Clamp leaving it loose enough to rotate about the tube.

Folding Mechanism Set-Up (Right Side of Wheelchair)

This step requires 2 components:
- Folding Mechanism installed onto Vertical S-Bend Tube
- Horizontal Tube

Rotate the folding mechanism so that it faces the chair (as shown below right). The horizontal tube should be positioned as it would for the user during “use” of the device. Tighten the pinch clamp.
Folding Mechanism Set-Up (Left Side of Wheelchair)
The folding mechanism is shipped to be set up on the RIGHT side of a wheelchair (from the perspective of the occupant). To convert for use on the LEFT side of the wheelchair follow the steps below.

The letters “R” and “L” are stamped into the silver colored ring the horizontal tube mount is attached to. The mount is shipped with the tube hole located over the “R” for mounting to the Right side of the chair.

Remove the tube mount by removing the two tube mount bolts. Rotate the tube mount 180 degrees to position the tube hole over the “L”. Attach the tube mount in the new position.

Install the Total Quick Release Base – TUSB
Remove the foam plug retaining the Pinch Clamp in its hole in the TUSB and slide it onto the Horizontal Tube. The Pinch Clamp must be aligned in its hole so that it is even with the inside of the tube hole to allow the tube to slide through.

Quick Release Orientation
The Total Quick Release Base can be clamped at any location along the Horizontal Tube and may be rotated around the tube to place the mounted device at any angle. The normal orientation for the TUSB is with the Locking Pin positioned away from the user. Adapters and Holders that attach devices and computers onto the TUSB are assembled for this orientation.

Final Adjustments
Ensure that all of the fasteners are tight including; Frame Clamp, swivel clamp, and all pinch clamps.
Folding Sequence (When Mounted on RIGHT Side)

From the In-use position:
A) Lift the Horizontal Tube upwards (image on right)

B) Then rotate the Horizontal Tube forward bringing the device down to the side of the wheelchair (image below)

Folding Sequence (When Mounted on LEFT Side)

From the In-use position the Horizontal Tube is:
A) lifted upwards (see on right)

B) rotated forward and down bringing the device down to the side of the wheelchair (see below)

When the wheelchair user has the ability to perform the folding sequence the movements may be easier with backward folding. Backward folding is simply the opposite folding as described above; in step “B”, instead of folding the device forwards to the side of the chair it would fold backwards to the side of the chair. Backward folding can be achieved by following the “Folding Mechanism Setup (For Left Side of Wheelchair” but keeping the device on the right side of the wheelchair. These directions can be reversed for mounting on the Left side of the wheelchair.
The Horizontal Tube and mounted device must be held though the entire sequence – not merely lifted and dropped – and the backwards and down motion may be better suited to the natural motion of the user’s arm. When an aide folds the mount, there is little or no advantage to backward folding.