WARNING – READ FIRST

- Carefully read and understand warnings and instructions before assembly and/or installation.
- Check all local codes and ordinances regarding mounting locations and fastening methods.
- Local codes may supersede Ergomart instructions.
- Always retain warning statements and instructions for future reference.
- Ensure all product users read and understand the User Safety Precautions and the instructions for safe and proper usage.
- Contact Ergomart service at 888 420 3200 with any questions prior to installation.
- Installation of this product requires basic mechanical skills and aptitudes and should never be undertaken by someone uncertain about the terms and procedures described in the accompanying instructions for safe use and installation.
- Use only correct tools and serviceable equipment to ensure personal safety and to prevent damage to components, fasteners and product.
- Determine the load capacity of the wall, ceiling, member, surface or structure you intend to use before installation. Consult a professional installer, Ergomart technical support or an engineer if the material to which you plan to attach is not specifically described in the installation manual.
- Never alter products or assemble in a fashion not described within the instructions without consulting an installation professional, engineer or Ergomart technical support at 888 420 3200.
- Never exceed the Maximum Load for any device or component. If you are unsure about any weight rating on any given component within a modular system provided by Ergomart, contact Ergomart service at 888 420 3200.
- Never introduce or add additional components into an existing modular system without consulting Ergomart technical support at 888 420 3200.
- Never attempt to open, service or disassemble any Ergomart component where no written Ergomart instructions are available for disassembly and repair.
- Never use harsh chemicals or abrasives to clean Ergomart products. Use mild, dilute cleaners and test before widespread use on an inconspicuous location or surface.
- Use best practices before and during installation:
  - Always use the correct tool for the specified procedure or job.
  - Always use assistance and lifting devices wherever indicated within the instructions.
  - Avoid shortcuts and always measure twice before drilling, cutting or changing things that cannot be altered.
  - When penetrating walls or surfaces, determine that no wiring, gas, ductwork or plumbing exist beneath the surface.
  - Consult an installation professional, facility manager or engineer before starting an installation project involving materials with properties that are not evident from experience or described as acceptable medium for attachment within the Ergomart documentation.
DISCLAIMER

Ergotect Corporation and its subsidiaries and brands, hereafter referred to as (EC), strive to create broadly comprehensible, complete and accurate information regarding our product installation documentation. Ongoing changes in suppliers, materials, designs, components, product upgrades, and other variables inhibit our ability to guarantee document accuracy. Furthermore, EC reserves the right to make changes and updates to product documentation and/or product design without notifying existing and new users. EC therefore does not guarantee completeness, accuracy or suitability of documentation and will not be held liable due to incomplete documentation, editorial errors, improper translation from English, or the comprehensibility of language or images or the ability of a user to understand any particular written instructions or interpret images contained herein and below.

EC disclaims any liability for damage to EC provided product, customer or user owned devices and equipment affixed to, used on or in conjunction with EC provided product, other property, or personal injury resulting, in whole or in part, from improper installation, modification, use or misuse of its products. EC disclaims all other warranties, express or implied, including warranties of merchantability and fitness for a particular purpose. EC is not responsible for incidental, special or consequential damages, including but not limited to, inability to use EC products or costs incidental to the installation or removal of defective or serviceable EC products or components.
LEVERLIFT USER SAFETY PRECAUTIONS

OPERATE LEVER WITH BOTH HANDS

To raise or lower a LeverLift, grasp with both hands as illustrated and pull up slightly to release the brake. Once disengaged, the device may be lifted up to raise the height or allowed to slide down to a lower position. Once the desired height is achieved, release the handle. Returning the handle to the rested position causes the LeverLift mechanism to brake immediately and securely.

AVOID PINCH POINTS

Always use two hands to raise and lower the LeverLift to avoid pinch points.
LEVERLIFT USER SAFETY PRECAUTIONS (Continued)

• Do not remove safety and warning labels and stickers from the LeverLift System.
• Always use two hands when lifting or lowering monitors, touch screens or any heavy component.
• The LeverLift is suitable for use by individuals who have a full range of motion and use of both hands and both arms and are able to lift 20 lb above the head using both hands simultaneously. Not all individuals will be able to move components vertically and may require assistance.
• Maximum payload per LeverLift is 12 lb (5.4 kg).
• All users must receive instruction on the safe and correct, two handed method of lifting and lowering loaded LeverLift mechanism.
• This product is intended for users age 18 and above.
• This product is intended for indoor use.
• Keep fingers and hands away from pinch points.

ATTENTION:
MAKE OPERATING INSTRUCTIONS AVAILABLE TO ALL LEVERLIFT OPERATORS.
• Pre-Installation Preparation:
  o Clear installation space of clutter and items that could create a hazardous work area.
  o Remove end stops and any other components that are attached to the track.
  o Determine the optimal vertical position of the rail and the correct fastener components for the surface using the tables in Appendix A. Select the appropriate table for your application.
  o It is critical that the dimensions of all LeverLift components and devices be known and taken into consideration before installation to eliminate interference.
  o When mounting any type of wall track to a wall it is always best practice to affix it into a wood stud or backer. The LeverLift System and M-Track, however, is designed to work where an immovable support structure is unavailable.
  o Check for operational clearance for all components and users. Doors, adjacent walls, walkways, furniture, fixtures, and electrical panels are some of many potential obstructions and hazards.
  o Make note of wire management needs such as locations of networking ports and outlets so that device wiring does not cause interference.

• Unbacked Sheetrock:
  o Sheetrock must be 1/2” or thicker and must be serviceable. The age, condition, and capacity of the sheetrock must be considered. Inspect fasteners for secureness and sheetrock for integrity initially and on a periodic basis once the track has been installed.
  o Snaptoggle® BA-10-24 will be used with 3/16”-24 machine screw fasteners.
  o Ensure that sheetrock is correctly attached to the framing/structure with sufficient fasteners connected at properly spaced intervals.
  o Ensure that sheetrock is not warped or bent as it may cause bowing or bending of the Leverlift track leading to difficult slider use. For minor deviations of flatness of less than .25” use shims available from Ergomart.

• Sheetrock backed with a thin gage metal stud:
  o Sheetrock must be at least 1/2” and serviceable. The age, condition, and capacity of the sheetrock must be considered. Inspect fasteners for secureness and sheetrock for integrity initially and on a periodic basis once the track has been installed.
  o Snaptoggle® brand BA-10-24 will be used with 3/16”-24 machine screw fasteners.
  o Ensure that sheetrock is not warped or bent as it may cause bowing or bending of the Leverlift track leading to difficult slider use. For minor deviations of flatness of less than .25” use shims available from Ergomart.

• Sheetrock that is directly backed with a wood stud:
  o Stud must be in good condition.
  o Pre-drill fastener locations with 3/32” pilot holes to prevent splitting the stud.
  o Ensure that sheetrock is not warped or bent as it may cause bowing or bending of the Leverlift track leading to difficult slider use. For minor deviations of flatness of less than .25” use shims available from Ergomart.
The LeverLift track may be affixed to a variety of additional surfaces including **CMU, metal, masonry bricks, and concrete as well as many piers and poles**. Work with an installation professional or other qualified person to determine the best attachment method for your specific application.

Other materials and substrates require specific solutions. Due to the abundance of wall materials and building methods, Ergomart can only specifically recommend attachment methods for the above described conditions. In all other instances, determine the correct fastener for the job and if you are unsure, consult with a professional installer, home improvement store specialist or engineer. Prior to installation, ensure the surface, material, structure or member you wish to use for fixing will support the entire payload.

**ADDRESSING WALL FLATNESS ISSUES WITH SHIMS**

Suitable wall mount locations must be generally flat and uniform surfaces. Irregularities will hinder the correct installation of the M-Track and result in difficult operation of LeverLift Sliders. Conditions with irregularities that may or may not be correctable with shims:

- Wall joints that do not abut flatly and cleanly
- Surfaces that are bowed or warped
- Surfaces that have bulges or crowns
- Sheet rock improperly installed or not attached to stud
- Wall materials or surfaces that are not rigid

The LeverLift is designed for use with surfaces that are flat over the length of the mounting area beneath the track. Before purchasing the LeverLift system utilize a straight edge that spans the intended mounting location. Surfaces with minor depressions or bumps will require shims. Surfaces with bulges or crowns that are greater than .25” are not suitable for the LeverLift System. Surfaces with valleys or depressions greater than .25” are also not suitable for the LeverLift system. Experienced Installers may use various techniques to correct an irregular surface.

If you are currently installing your M-Track and have discovered you require shims, you may fashion shims using poster board and sizing them into 2” x 3.5” pieces and then stacking them into the appropriate thickness.

**LEVERLIFT COMPONENT INSTALLATION SEQUENCE**

When installing your M-Track and LeverLift, always ensure the M-Track is properly and securely attached to the wall before installing any LeverLift or other components. Install components from the bottom of the track, starting with the item that will ultimately rest at the top of the track. Ensure sliders with set screws are tightly secured before installing devices. Begin installing devices with thin clients/CPUs first where applicable, followed by monitors, wire managers, keyboards, mice, and any other peripherals. Finish your installation by inspecting your components/devices for possible errors during installation. If no error is found, reattach M-Track end caps.
**SAMPLE CONFIGURATIONS**

1. **75/100mm VESA with Articulating Mount on 14” low profile LeverLift and 26” Folding Keyboard LeverLift with a Thin Client Bracket on 77” M-Track.**

2. **26” Fixed Tray LeverLift and 14” Low Profile VESA 100 LeverLift on 51” M-Track.**

3. **75/100mm VESA with Articulating Mount on 14” low profile LeverLift and an Articulating 20” Keyboard Tray LeverLift on 39” M-Track.**

4. **Rotating 100mm VESA Slider Plate mounted in front of a Thin Client Bracket on 27” M-Track.**
ASSEMBLY INSTRUCTIONS:

SECTION 1 | TRACK INSTALLATION: RIGIDLY BACKED/HOMOGENEOUS SURFACES
SECTION 2 | TRACK INSTALLATION: SHEETROCK AND/OR METAL STUD
SECTION 3 | LEVERLIFT COMPONENT INSTALLATION
SECTION 4 | LOW PROFILE QUICK RELEASE INSTALLATION
SECTION 5 | ARTICULATING MOUNT INSTALLATION
SECTION 6 | PLAIN THIN CLIENT HOLDER INSTALLATION
SECTION 7 | THIN CLIENT HOLDER WITH VESA PLATE INSTALLATION
SECTION 8 | FIXED KEYBOARD TRAY INSTALLATION
SECTION 9 | FIXED SHELF INSTALLATION
SECTION 10 | FOLDING KEYBOARD TRAY INSTALLATION
SECTION 11 | WIRE MANAGER INSTALLATION

TOOL KIT
These items will typically be needed for correct installation:

- Pencil
- Level
- Cordless power drill with appropriate driver bits (Phillips, square, etc.)
- Drill bit set
- Mallet (soft)
- Tape measure
- Ladder or stepstool
- Adequate lighting
- Safety goggles
- Stud finder
- Appropriate Fasteners (Snap toggles, #10 wood screws, etc.)
- Assistant
Determine location and height of track in front of stud. Consult tables on page 28 for vertical placement and mark the location of the top of the track.

**WARNING:** Inspect location for flatness. If a credit card easily slides beneath any point under the edge of the track proceed to **Appendix B on page 29**, do not proceed onward to 1.4.

Remove end stops by loosening set screws and sliding them off the track.

Align the top of the track with the location marking from Step 1.
Mark the center of each screw hole on the M-Track.

Use a level to ensure that the track is perfectly vertical. Adjust as needed.

Insert wood screws at top and bottom only and screw in four or five turns. Double check that the track is vertical. Insert other screws and tighten several turns. If shims are required go to Step 1.8B otherwise finish running in all the screws. Do not overtighten.

Use a 3/32” bit to drill a pilot hole for the fasteners in each of the marked locations.
Insert shims or stacks of shims to insure rail flatness. Run screw heads to rail being careful not to overtighten.

Continue to Section 3: LeverLift Installation for instructions on mounting the LeverLift Slider to the track.
After finding a suitable mounting location, use a measuring tape and a pencil to mark the desired top of the track (see tables on page 27 for height recommendations).

Remove end stops by loosening set screws and sliding them off the track.

WARNING: Inspect location for flatness. If a credit card easily slides beneath any point under the edge of the track proceed to Appendix B on page 29, do not proceed onward to 1.4.

Align the top of the track with the location marking from Step 1.
Insert the toggles into the predrilled holes. (Visit www.toggler.com for Snaptoggle® installation instructions).

Use a level to ensure that the track is perfectly vertical. Adjust as needed.

Mark the center of each screw hole on the M-Track.

Use a 1/2” bit to drill a pilot hole for the Snapptoggles® in each of the marked locations.
Insert wood screws at top and bottom only and screw in four or five turns. Double check that the track is vertical. Insert other screws and tighten several turns. If shims are required go to Step 1.8B otherwise finish running in all the screws. Do not overtighten.

Insert shims or stacks of shims to insure rail flatness. Run screw heads to rail being careful not to overtighten.

Continue to Section 3: LeverLift Installation for instructions on mounting the LeverLift Slider to the track.
3.1 Inspect the back of the Leverlift Slider to ensure all four slider bearings are in place and have not become dislodged during shipping or unpacking.

3.2 To properly install the Leverlift Slider, the brake must be completely disengaged using the T-wedge. Place the slider on a flat surface and pull the spring loaded handle open.

3.3 Pull the brake handle up and press in the T-wedge until the top surface rests against the block beneath as shown.

3.4 When space allows mount the slider from the bottom of the track. Carefully align the assembly and gently slide it on to the track, taking care not to dislodge the plastic bearings. Remove the T-wedge once the slider is completely on track.
Remove standard locking screw with Phillips screwdriver.

Pull the attached lanyard or depress tab fully and keep it at full extension through step 4.4.

Lift up on the Front Bracket with VESA Plate.

Then pull outward, completely separating the Front Bracket and Back Bracket.
Review **Section 3: LeverLift Installation** for instructions on mounting the LeverLift Slider to the track.

Gently set into place.

Attach the VESA Plate to the desired monitor/device using the included VESA screws.

Push downward gently until the Quick Release securely locks into place and an audible click is heard. Further secure the Quick Release by replacing the standard Phillips locking screw removed in Step 4.1 or with the optional theft deterrent screw.
To secure the tilter head, align Dogwasher with cavities in the tilter mechanism then insert into the bottom of the mount. Fasten included socket head screw using included hex wrench.

Review Section 3: LeverLift Installation for instructions on mounting the LeverLift Slider to the track.
6.1 Install the slider onto the M-Track by supporting the bottom of the Thin Client Bracket and moving the slider up onto track.

6.2 Raise slider to the desired height, then firmly tighten set screw using included hex wrench.

6.3 Loosen rosette knobs and open Thin Client Bracket to its max width to accept device. Place CPU/Thin Client in bracket.

6.4 Press the Bracket closed so that the rubber feet press against CPU/Thin Client and tighten rosette knobs.
To install device onto VESA Plate, raise VESA Plate to its max height & insert top screws (if your thin client holder does not come with a VESA Plate, skip to step 6.4).

Slide the VESA Plate to its minimum height & insert bottom screws.

Position the monitor/device at the desired height and secure using included wrench.

Install the slider onto the M-Track by supporting the bottom and top of the device and moving the slider up onto the track.
Raise slider to the desired height, then firmly tighten set screw using included hex wrench.

Loosen rossette knobs and open Thin Client Bracket to its maximum width to accept device.

Place CPU/Thin Client in Bracket.

Press the Bracket closed so that the rubber feet press against CPU/Thin Client and tighten rossette knobs.
Align screw holes in tray with holes in mounting bracket on LeverLift Slider. Insert included #10-7/16” screws into tray; fasten securely.

Using your thumb and fingers, hold the spring loaded brake as illustrated so that it is unlocked. Install Slider onto track.

For further instructions on mounting Slider to track, review Section 3: LeverLift Installation.
SECTION 9 | FIXED SHELF INSTALLATION

Align screw holes in tray with holes in mounting bracket on LeverLift Slider. Insert included #10-7/16” screws into tray; fasten securely. Install Slider onto track.

Once slider is mounted, tighten set screw securely. Locking the shelf in place.

For further instructions on mounting Slider to track, review Section 3: LeverLift Installation.
Align screw holes in tray with holes in hinges. Insert included #10 x 1/2” screws through hinge and tray, then into mounting bar; fasten securely. Install Slider onto track.

For further instructions on mounting Slider to track, review Section 3: LeverLift Installation.
11.1 Partially thread the screws into the toggles, leaving no more than 1/4” protruding from the sheetrock.

11.2 Insert the toggles into the predrilled holes. (Visit www.toggler.com for Snaptoggle® Installation Instructions)

11.3 Ensure Wire Manager will be mounted immediately below topmost device. Drill locations with a 1/2” drill bit.

11.4 Measure and mark two locations 10.5” from edge of the track. Marks should be 12” apart for the 24” Wire Manager, or 24” apart for the 36” Wire Manager.

Insert the toggles into the predrilled holes. (Visit www.toggler.com for Snaptoggle® Installation Instructions)

Partially thread the screws into the toggles, leaving no more than 1/4” protruding from the sheetrock.
Insert wires into the Wire Manager from the side, leaving enough slack to allow devices to be moved on the track. Wires should also be attached to the wall and all devices at this point.

Hang Wire Manager on wall then remove as needed to further tighten screws. Wire manager is properly installed when it rests flat and snug on the wall.

Insert drywall screw into the bottom and top of the Wire Manager as illustrated to secure the wire manager in place.

Insert foam discs as illustrated to ensure the wires stay in place. Cut grooves should be against the wall, facing inward to the middle of the Wire Manager.
Once installation is completed, the final product should look similar to the above illustration.
Appendix A

CAUTION: THE FOLLOWING INFORMATION IS FOR REFERENCE ONLY
Choose the next available track length when using a keyboard, monitor and/or an additional mounting bracket.

### LOW PROFILE LEVERLIFT FOR SEATED USERS ONLY - 1st percentile female to 99th percentile male

<table>
<thead>
<tr>
<th>Devices Used</th>
<th>Low</th>
<th>High</th>
<th>Range</th>
<th>Track</th>
<th>Track to Floor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyboard and monitor</td>
<td>19.47”</td>
<td>53.71”</td>
<td>34.24”</td>
<td>51”</td>
<td>15”</td>
</tr>
<tr>
<td>Monitor only*</td>
<td>39.39”</td>
<td>53.71”</td>
<td>14.3”</td>
<td>39”</td>
<td>30”</td>
</tr>
<tr>
<td>Touchscreen height*</td>
<td>32”</td>
<td>48”</td>
<td>16”</td>
<td>39”</td>
<td>21”</td>
</tr>
<tr>
<td>Keyboard only</td>
<td>19.47”</td>
<td>30.96”</td>
<td>11.5”</td>
<td>27”</td>
<td>15”</td>
</tr>
</tbody>
</table>

*Monitor measurement is from center of monitor for reference only. Most users prefer to have monitor slightly lower than centered to eye height. Since vertical placement of attachment hole patterns on the backs of monitors vary, only estimates for positioning can be outlined here. Preference from user to user can vary track height and track to floor figures are best estimates that should apply in most applications.

**WARNING** The standard low profile LeverLift keyboard system reaches 12.5” from the wall and may not provide adequate knee and foot clearance for taller users during extended sessions.

### LOW PROFILE LEVERLIFT FOR STANDING USERS ONLY - 1st percentile female to 99th percentile male

<table>
<thead>
<tr>
<th>Devices Used</th>
<th>Low</th>
<th>High</th>
<th>Range</th>
<th>Track</th>
<th>Track to Floor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyboard and monitor</td>
<td>35.24”</td>
<td>70.14”</td>
<td>34.9”</td>
<td>51”</td>
<td>31”</td>
</tr>
<tr>
<td>Monitor only*</td>
<td>54.09”</td>
<td>70.14”</td>
<td>16.1”</td>
<td>39”</td>
<td>45”</td>
</tr>
<tr>
<td>Touchscreen height*</td>
<td>45”</td>
<td>66”</td>
<td>21”</td>
<td>39”</td>
<td>36”</td>
</tr>
<tr>
<td>Keyboard only</td>
<td>35.24”</td>
<td>46.62”</td>
<td>11.4”</td>
<td>27”</td>
<td>31”</td>
</tr>
</tbody>
</table>

*Monitor measurement is from center of monitor for reference only. Most users prefer to have monitor slightly lower than centered to eye height. Since vertical placement of attachment hole patterns on the backs of monitors vary, only estimates for positioning can be outlined here. Preference from user to user can vary track height and track to floor figures are best estimates that should apply in most applications.
Appendix A (Cont.)

CAUTION: THE FOLLOWING INFORMATION IS FOR REFERENCE ONLY
Choose the next available track length when using a keyboard, monitor and/or an additional mounting bracket.

**LOW PROFILE LEVERLIFT FOR SITTING AND STANDING - 1st percentile female to 99th percentile male**

<table>
<thead>
<tr>
<th>DEVICES USED</th>
<th>LOW</th>
<th>HIGH</th>
<th>RANGE</th>
<th>TRACK</th>
<th>TRACK TO FLOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>keyboard and monitor</td>
<td>19.47&quot;</td>
<td>70.14&quot;</td>
<td>50.7&quot;</td>
<td>78&quot;</td>
<td>15&quot;</td>
</tr>
<tr>
<td>monitor only*</td>
<td>39.39&quot;</td>
<td>70.14&quot;</td>
<td>31&quot;</td>
<td>51&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td>touchscreen height*</td>
<td>32&quot;</td>
<td>66&quot;</td>
<td>34&quot;</td>
<td>51&quot;</td>
<td>21&quot;</td>
</tr>
<tr>
<td>keyboard only</td>
<td>19.47&quot;</td>
<td>46.62&quot;</td>
<td>11.4&quot;</td>
<td>27&quot;</td>
<td>15&quot;</td>
</tr>
</tbody>
</table>

*Monitor measurement is from center of monitor for reference only. Most users prefer to have monitor slightly lower than centered to eye height. Since vertical placement of attachment hole patterns on the backs of monitors vary, only estimates for positioning can be outlined here. Preference from user to user can vary track height and track to floor figures are best estimates that should apply in most applications.

**WARNING** The standard low profile LeverLift keyboard system reaches 12.5" from the wall and may not provide adequate knee and foot clearance for taller users during extended sessions.
ADDRESSING MINOR WALL WARPING USING ERGOMART 0.030” SHIMS

B.1
Hold the M track along its edge of the center of the planned mounting location. Use a level to position rail vertically.

B.2
If using Ergomart .03” shims, notate number of shims hole location. Depressions or elevated areas that require more than .25” of shimming (8 shim cards) are not recommended.

B.3
If the bottom screw hole position requires shims, cut along dashed line to remove excess material. The shorter shim will not hang below the lower end of the M-Track.

B.4
Return to STEP 1.4 or 2.4