

Tandem Arm™

User and Installation Manual
For Tandem Arm™ and Slim Line Models



Tandem
Arm™



Slim Line

Table of Contents

Warnings	4
Box Contents	5
Hardware Kits	6
Parts	7
Tandem Arm™ Installation	8
Wall Track	8
Tandem Arm™ Assembly	9
Optional Rotational Stops	11
Workstation	12
Slim Line Installation	15
Workstation	15
Integration	19
Tandem Arm™ Technology Schematic	19
Slim Line Technology Schematic	20
Specifications	21
Monitor	22
Technology Box	23
External CPU Holder	24
Keyboard	25
Mouse Holder	25
Tandem Arm™ Cable Schematic	27
Slim Line Cable Schematic	28
Cable Management	29
Maintenance	32
Cleaning	32
Service	34
Service Request	34
Service Level of Commitment	34
Warranty	34
Limited Warranty for Tandem Arm™	34
Cable Management	34
Standards Compliance	35
Product Classification	35
Transport/Storage	35
Statement of Use	35

Warnings



IMPORTANT – Indicates a situation that does not present any hazard but is very important in maintaining a well functioning workstation.



ATTENTION – Consult manual to avoid a potentially hazardous situation which may result in minor or moderate injury.



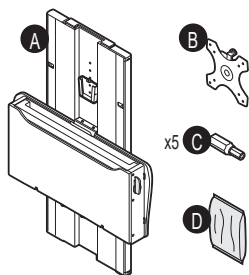
ELECTRICAL – Indicates an impending electrical hazard which, if not avoided, may result in personal injury, fire and/or death.

- Contact the Facility Engineer for direction on mounting locations and methods prior to installing any wall tracks or equipment
- Both the Tandem Arm™ and Slim Line units are heavy. Use proper lifting techniques to prevent injury.
- The supplied power cord is rated for medical use. Connecting the cord to an outlet that is not medical grade (indicated with a green dot) will not ensure grounding protection.
- Power cord, USB extension, and workstation are for INDOOR use only. **DO NOT OPERATE OUTDOORS.**
- Keep power cord away from water. **DO NOT PLUG CORD INTO OUTLET IF WET.**
- **DO NOT OPERATE PRODUCT IF WET.** If the WORKSTATION becomes wet, unplug it immediately, wipe off any excess liquid, and allow it to dry before using again.
- Inspect power cord before integration. **DO NOT USE POWER CORD IF DAMAGED.**
- Fully insert power cord plug into outlet. **DO NOT** unplug by pulling on cord. **DO NOT** remove, bend or modify any metal prongs or pins of power cord.
- **DO NOT** use excessive force to make mechanical or electrical connections
- **DO NOT** use an electrical extension cord with your workstation
- **DO NOT** use a flammable cleaner on the station as it can result in fire or explosion

Box Contents

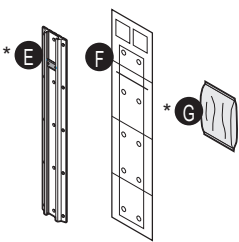
Upon receipt, the packaging will contain three internal boxes and the workstation.

WORKSTATION



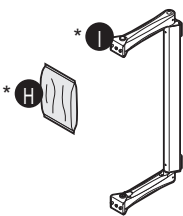
- (A) Workstation
- (B) Monitor Bracket
- (C) Security Bit Driver Kit
- (D) Slim Line Hardware Kit

WALL TRACK



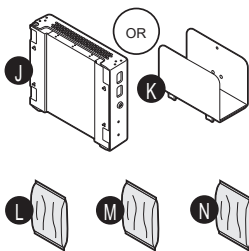
- * (E) Wall Track
- (F) Template
- * (G) Wall Track Hardware Kit

ARM ASSEMBLY



- * (H) Tandem Arm Hardware Kit
- * (I) Tandem Arm Assembly

TECHNOLOGY BOX



- (J) Technology Box
- (K) External CPU Holder
- (L) Integration Hardware Kit
- (M) Additional External CPU Holder Hardware Kit
- (N) Mouse Holder Kit

*Note: Components for Tandem Arm™ ONLY.

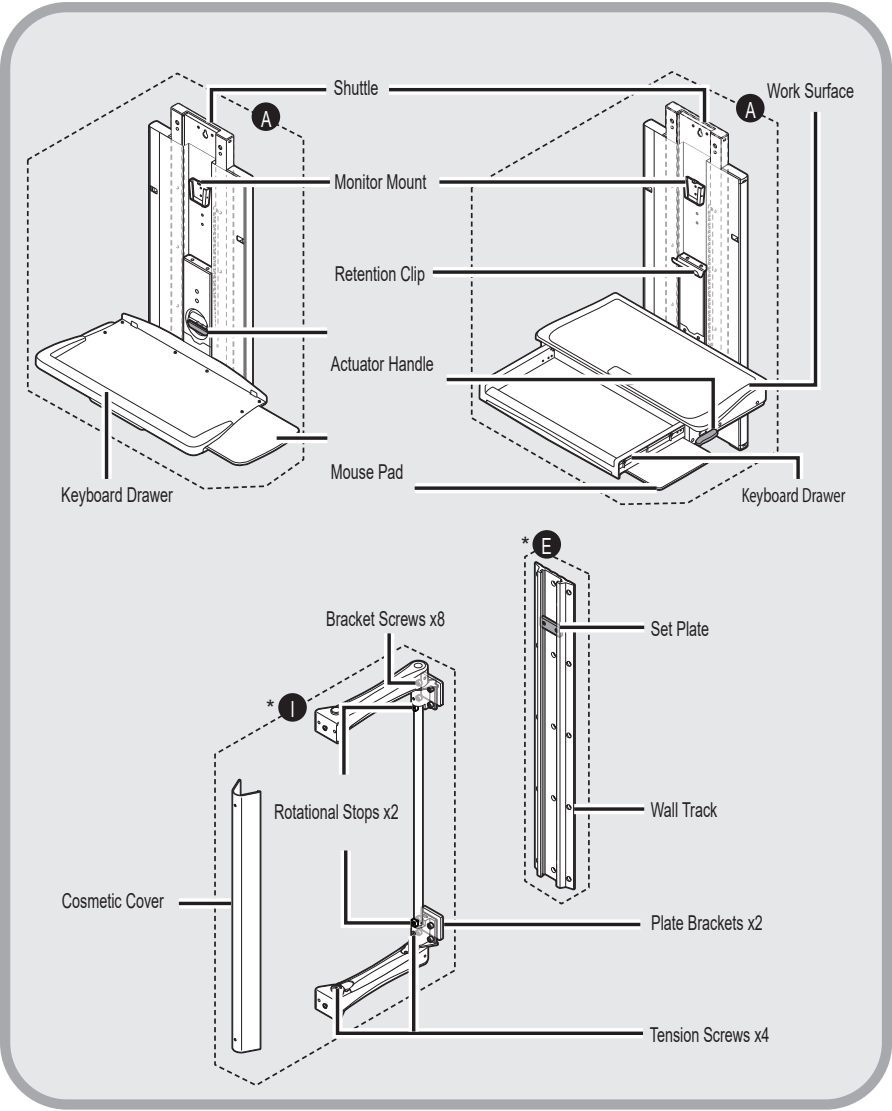
Hardware Kits

SLIM LINE	WALL TRACK	ARM ASSEMBLY
Diagram showing the Slim Line hardware kit components: a wall anchor (D3), a wood screw (D1), a Phillips head screw (D2), and a wall anchor (D3) being installed into a wall. x4 D1 #14 x 3" Wood Screw x4 D2 1/4 – 20 x 2.00 Phillips Head Screw x4 D3 Wall Anchor	Diagram showing the Wall Track hardware kit components: a wall anchor (G3), a wood screw (G1), a Phillips head screw (G2), and a wall anchor (G3) being installed into a wall. x10 G1 Wood Screw x10 G2 1/4 – 20 x 2.00 Phillips Head Screw x10 G3 Wall Anchor	Diagram showing the Arm Assembly hardware kit components: a mouse holder (H1) being installed into a wall. x4 H1 M6 x 12 Cap Head Socket Screw

TECHNOLOGY BOX

Diagram showing the Technology Box hardware kit components (L): a button head socket screw (L1), a cable wrap (L2), a cable tie mount (L3), and a cable tie (L4) being installed into a wall. x4 L1 M4 x 10 Button Head Socket Screw x2 L2 24" Cable Wrap x2 L3 Cable Tie Mount x4 L4 4" Cable Tie	Diagram showing the Technology Box hardware kit components (M): a wood screw (M1), a Phillips head screw (M2), and a wall anchor (M3) being installed into a wall. x2 M1 #14 x 3" Wood Screw x2 M2 1/4 – 20 x 2.00 Phillips Head Screw x2 M3 Wall Anchor	Diagram showing the Technology Box hardware kit components (N): a mouse holder (N1), a button head socket screw (N2), a flat washer (N3), and a nylon nut (N4) being installed into a wall. x2 N1 Mouse Holder x2 N2 M4 x 12 Button Head Socket Screw x2 N3 M4 Flat Washer x2 N4 M4 x 0.7 Nylon Nut
---	--	--

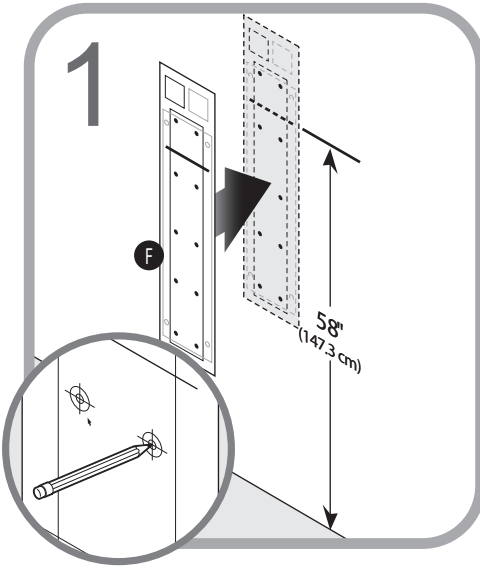
Parts



***Note:** Components for Tandem Arm™ ONLY.

Tandem Arm Installation

WALL TRACK

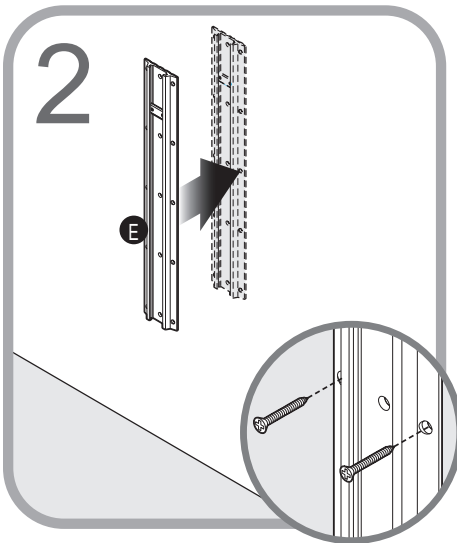


⚠ Note: Consult the Facilities Engineer regarding structural codes and utilities.

1. Use the wall track template (F) to determine drill hole locations.

Note: Set line should be 58" (147.3 cm) from floor.

2. Mark and drill holes labeled for Tandem Arm™ only.

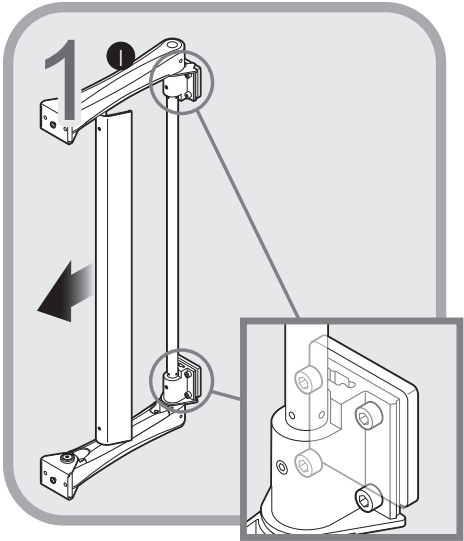


⚠ Install wall track (E) using hardware provided.

Note: Use part wall anchor (G3) and machine screws (G2) for steel stud installation. Use wood screws (G1) for wood studs.

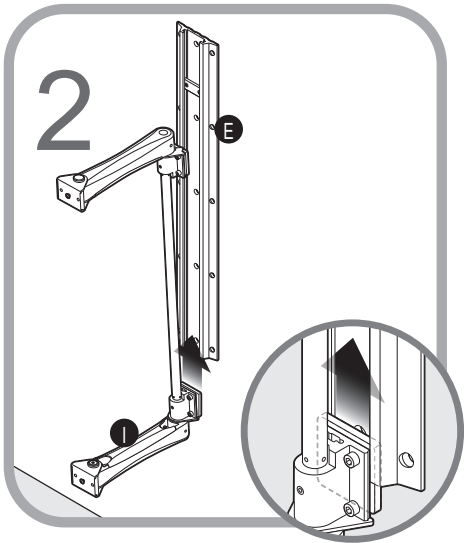
Tandem Arm™ Installation

TANDEM ARM™ ASSEMBLY



To reveal eight bracket screws, pull the cosmetic cover and remove it from the Tandem Arm™ assembly (I).

Note: Make sure the eight bracket screws are loose. **DO NOT REMOVE.**

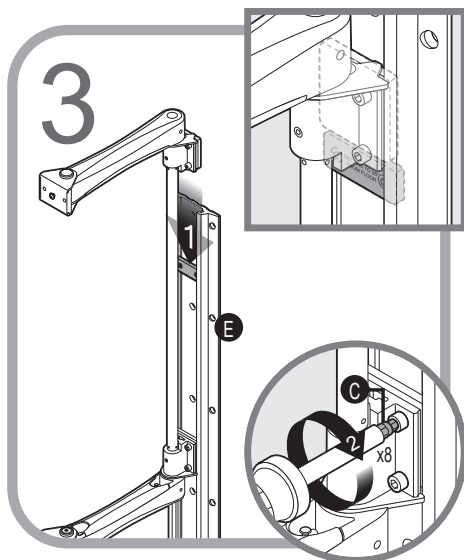


Note: Step 2 continues into Step 3 and the two steps should be done in one continuous motion.

Slide the bottom plate bracket into the wall track (E).

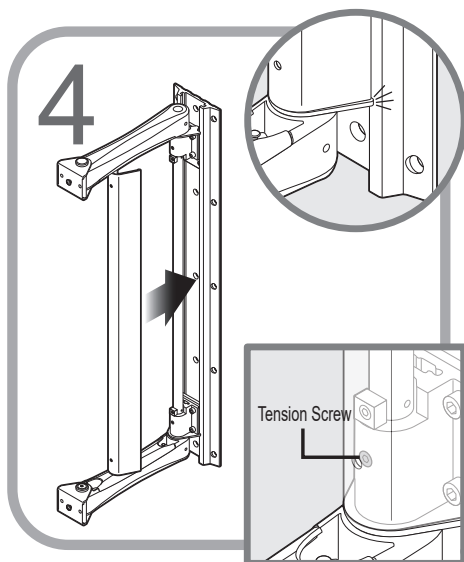
Tandem Arm Installation

TANDEM ARM ASSEMBLY



 1. Lower the top plate bracket into the wall track (E) until it rests on the set plate.

2. Using provided 5 mm hex bit (C), tighten eight bracket screws on the top and bottom plate brackets to 100 in/lb (115.2 kg/cm).

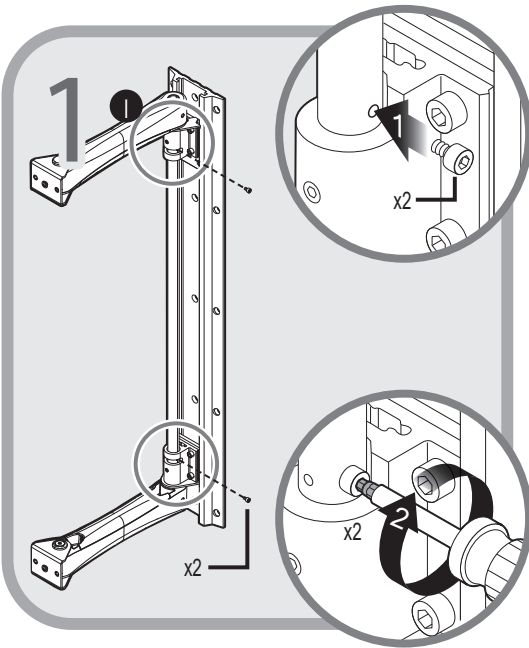
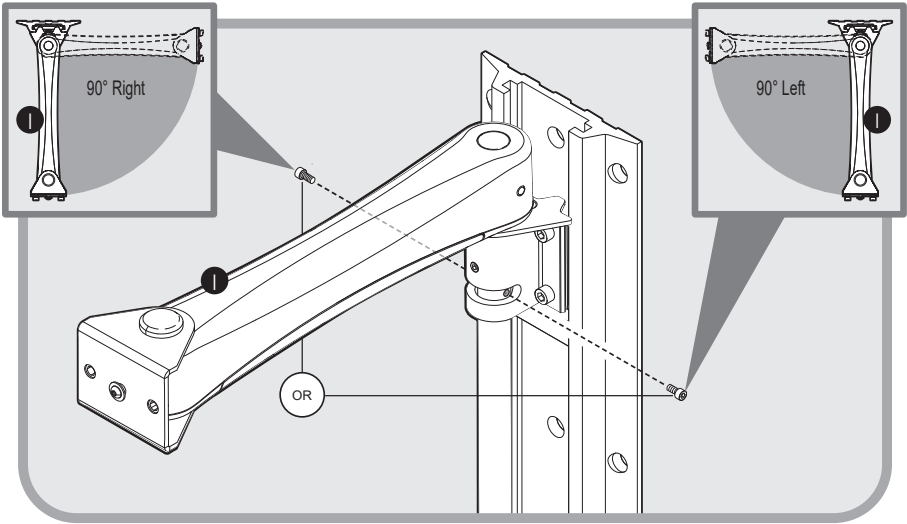


Snap the cosmetic cover onto the tandem arm assembly.

Note: The tension screws allow you to increase or decrease the force required to rotate the arm.

Tandem Arm Installation

OPTIONAL ROTATIONAL STOPS



To change the direction of the 90° arm rotation, or to change to 180° rotation, remove the cosmetic cover.

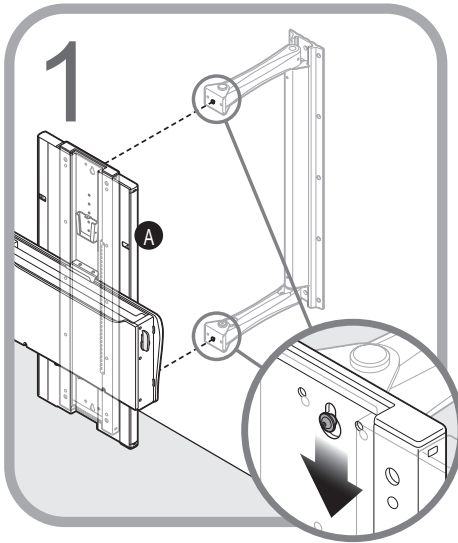
1. Remove 2 rotational stops (1).
2. Insert 2 rotational stops (2) on the Tandem Arm™ (1) in desired position.

Note: For 180° travel, remove and discard both stops.

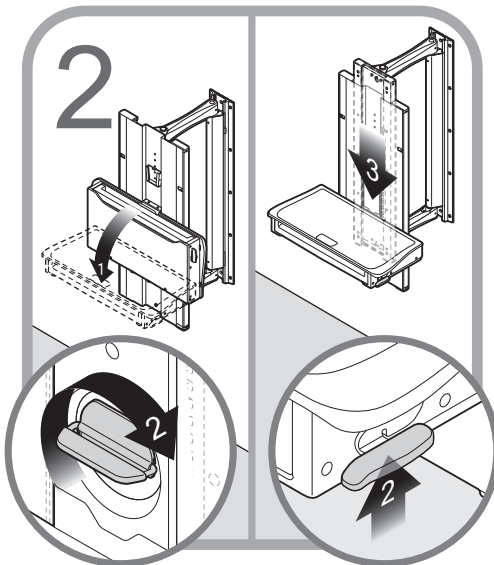
3. Replace the cosmetic cover.

Tandem Arm Installation

WORKSTATION



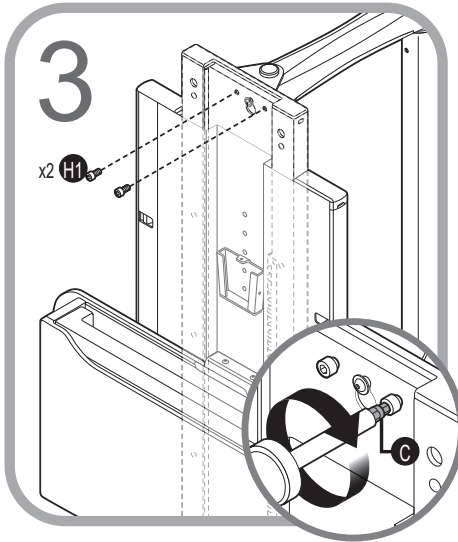
On the back of the workstation (A), line up keyholes on the shuttle with the studs on the upper and lower tandem arms and hang workstation.



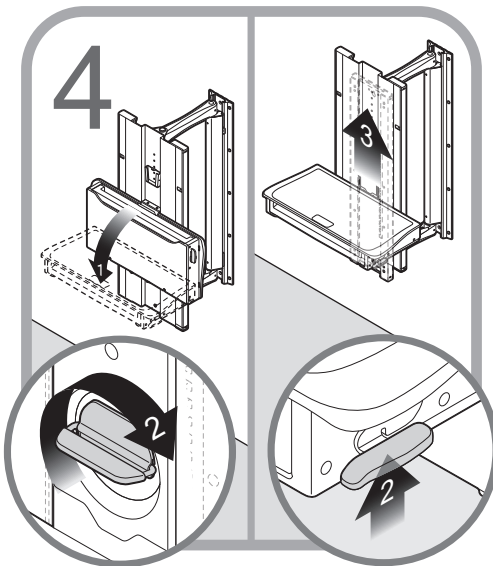
1. Fold down work surface on workstation.
2. Engage actuator handle.
3. Lower the shuttle to access mounting holes. Fold the work surface closed.

Tandem Arm Installation

WORKSTATION



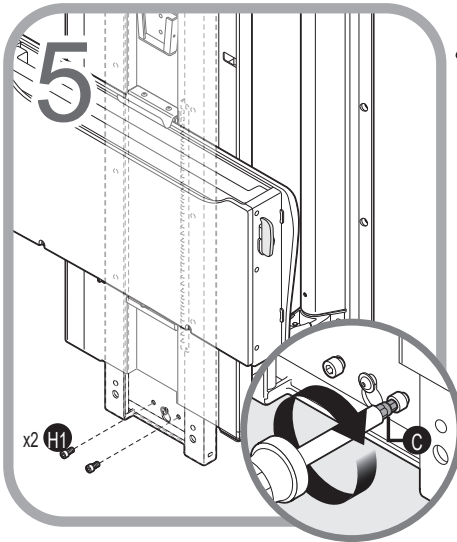
Insert two hex screws (H1) into the holes to the right and left of the top keyhole to secure the shuttle. Using provided 5 mm hex bit (C), tighten the two hex screws provided to 100 in/lb (115.2 kg/cm).



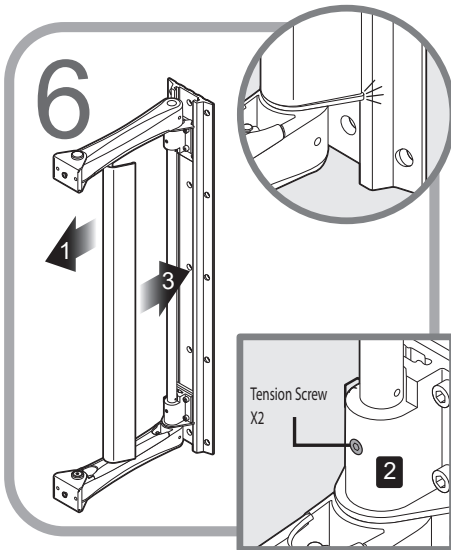
1. Fold down work surface on workstation.
2. Engage actuator handle and
3. Raise the shuttle. Fold the work surface closed to access mounting holes.

Tandem Arm Installation

WORKSTATION



1. Insert two hex screws (H1) into the holes to the right and left of the bottom keyhole to secure the shuttle.
2. Using provided 5 mm hex bit (C), tighten the two provided hex screws to 100 in/lb (115.2 kg/cm).



Arm Tension Adjustment (optional)

If the arm rotation of the Tandem Arm™ workstation is either stiff or too loose, adjust the arm tension as follows:

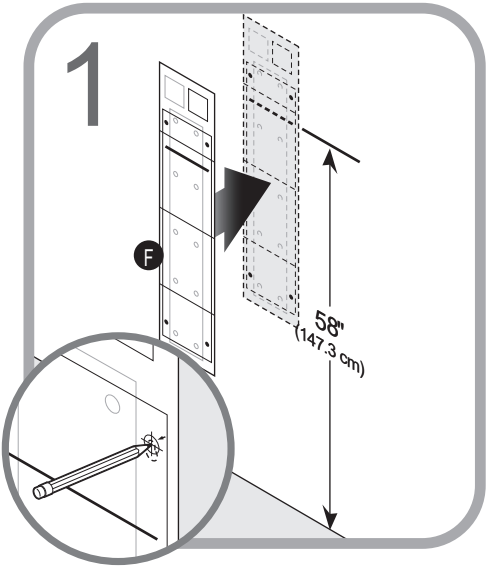
1. Remove the cosmetic cover.
2. Adjust the tension screws until the arm moves as desired.

Note: adjust the tension screws so both arms are tensioned equally.

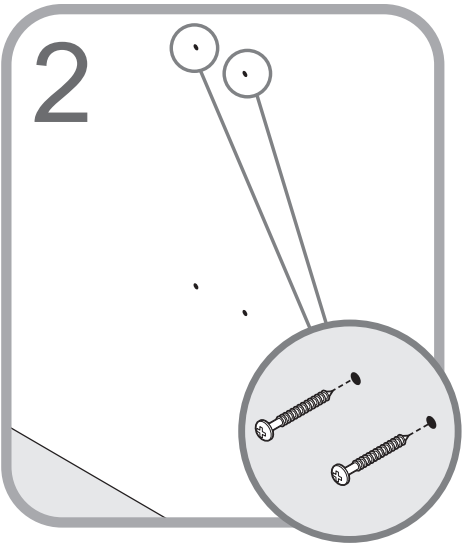
3. Install the cosmetic cover.

Slim Line Installation

WORKSTATION



⚠ Note: Consult the Facilities Engineer regarding structural codes and utilities. Use the wall track template (F) to determine drill hole locations. Mark and drill holes labeled for Slim Line only.



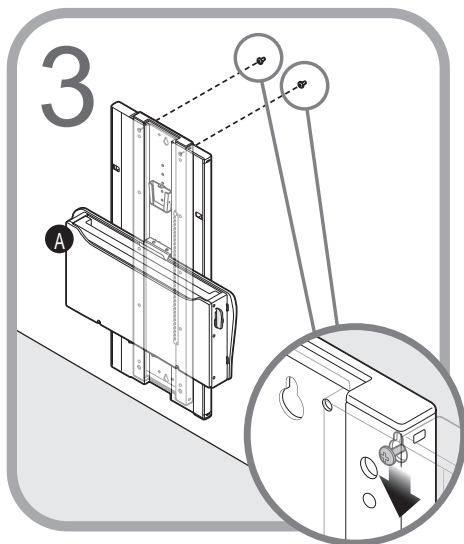
⚠ Insert screws in the top locations only.

Note: Use wall anchor (D3) and machine screws (D2) for steel stud installation. Use wood screws (D1) for wood studs.

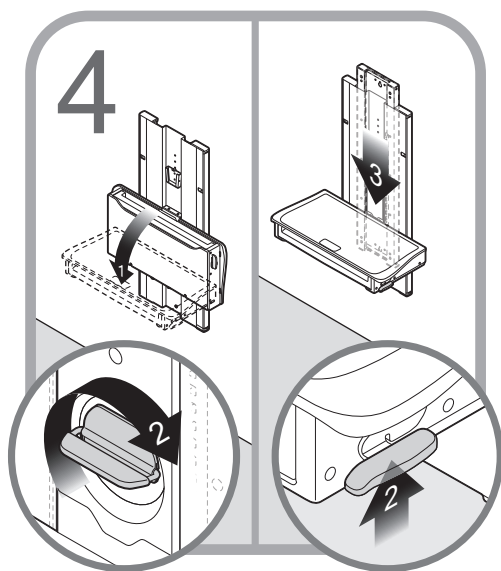
Note: For steel stud installation, all wall anchors (D3) must be installed before proceeding.

Slim Line Installation

WORKSTATION



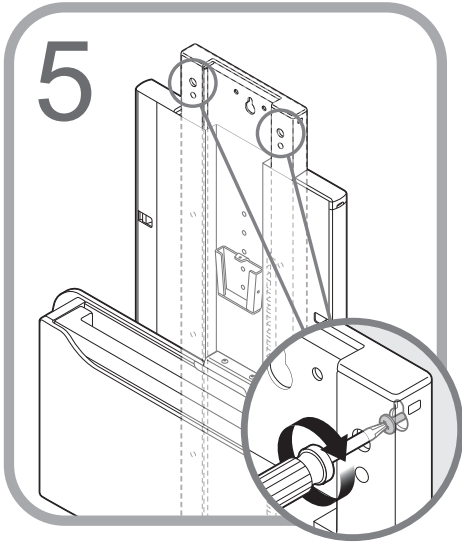
On the back of the workstation (A), line up two keyholes on the top of the shuttle with the previously installed screws.



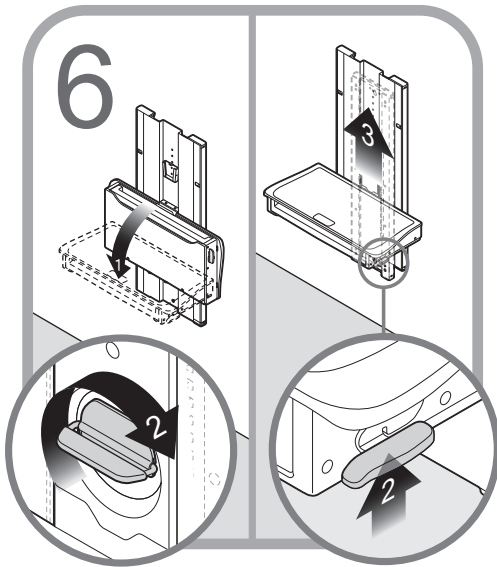
1. Fold down work surface on workstation.
2. Engage actuator handle.
3. Lower the shuttle to access mounting holes. Fold the work surface closed.

Slim Line Installation

WORKSTATION



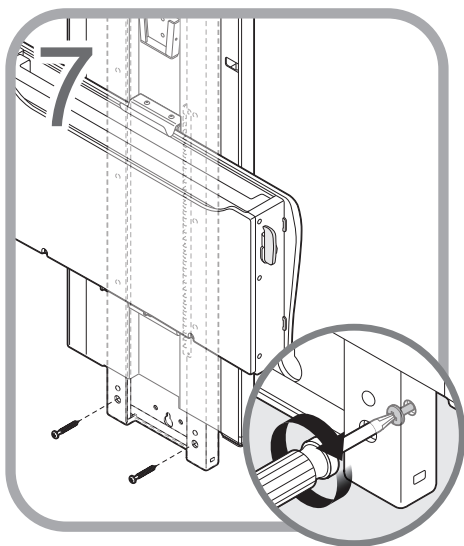
Tighten two top screws to secure the shuttle.



1. Fold down work surface on workstation.
2. Engage actuator handle.
3. Raise the shuttle. Fold the work surface closed to access mounting holes.

Slim Line Installation

WORKSTATION

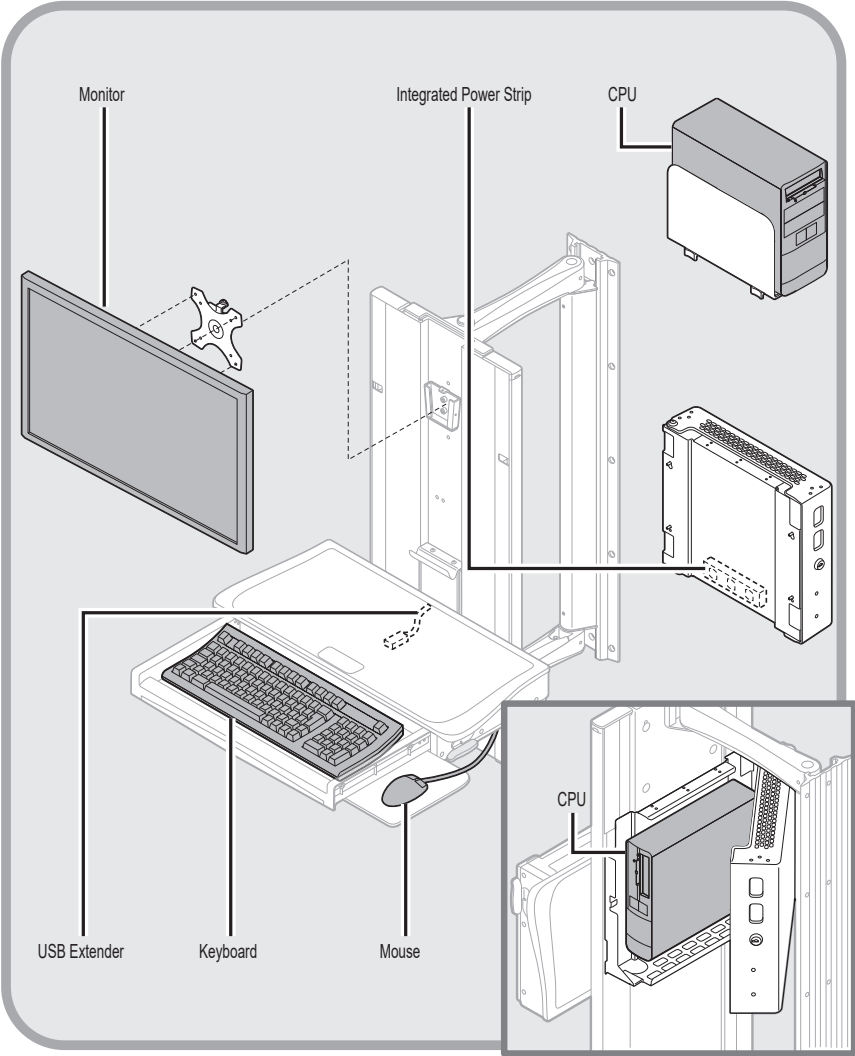


 Insert two screws in lower locations to secure the shuttle.

Note: Use machine screws (D2) for steel stud installation. Use wood screws (D1) for wood studs.

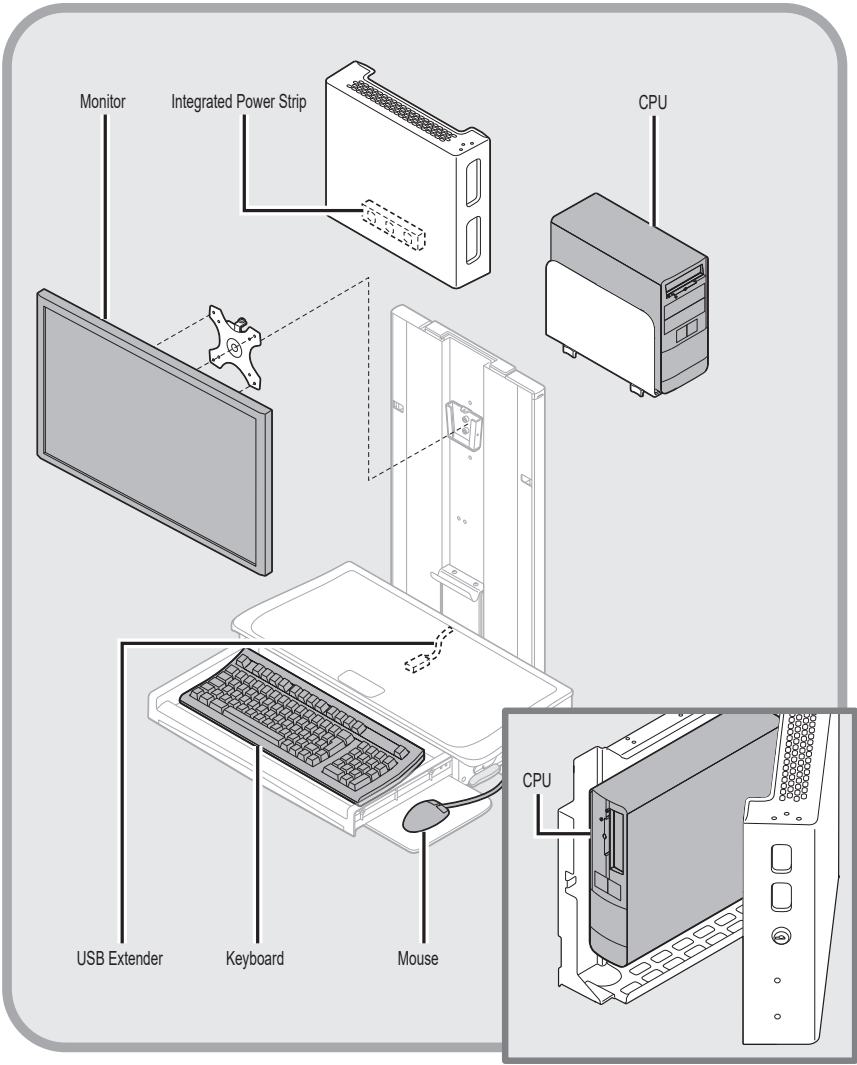
Integration

TANDEM ARM TECHNOLOGY SCHEMATIC



Integration

SLIM LINE TECHNOLOGY SCHEMATIC



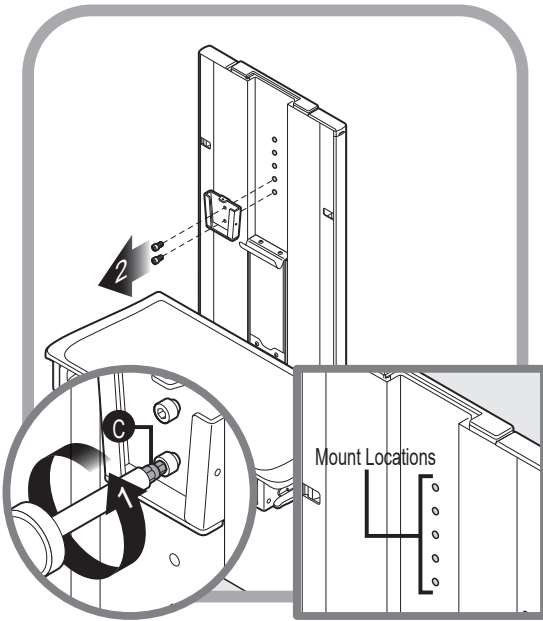
Integration

SPECIFICATIONS

Power Cord w/ power strip	5' (152.4 cm) length, medical grade NEMA plug, 3x NEMA receptacles, 125 V 50/60 Hz 250 W max
Electrical Input	110/120 VAC 250 Watts max
USB Cables	2' x 6' (61.0 x 182.9 cm) length USB 2.0 Type A male to type A female extension cables
Height Adjustment Range	15" (38.1 cm)
Monitor Bracket	25 lbs (11.3 kg) max; VESA 75 mm & 100 mm
Keyboard Tray	Accommodates 2.25" H x 18" W x 7" D (5.7 cm x 45.7 cm x 17.8 cm); USB keyboard
Premium Work Surface	21.5" W x 11" D (54.6 cm x 27.9 cm)
Mouse Pad	Premium: 9.5" W x 8.25" D (24.1 cm x 21.0 cm); Standard: 8.5" W x 8.25" D (21.6 cm x 21.0 cm); USB mouse
Rotation	180° rear pivot rotation; 180° front pivot rotation
Technology Box	Accommodates CPU size up to 2.6" H x 9.9" H x 10" D (6.6 cm x 25.1 cm x 25.4 cm); 7.5 lbs (3.4 kg); mechanical key lock
External CPU Holder	Accommodates CPU widths 2.5" – 8" (6.4 cm – 20.3 cm)

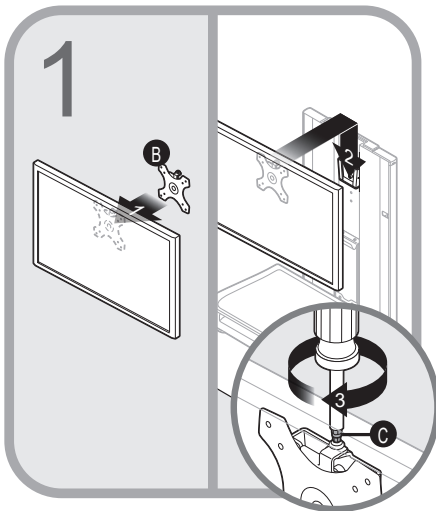
Integration

MONITOR



The monitor mount comes attached in the lowest position which is recommended for the broadest ergonomic range.

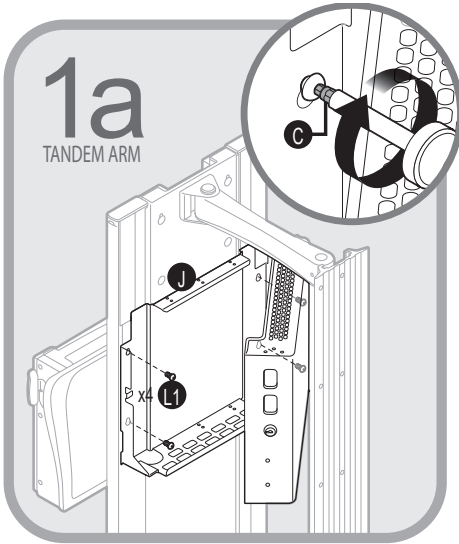
Using the provided 3 mm hex bit (C), the mount can be removed and adjusted as needed.



1. Attach monitor bracket (B) to monitor.
2. Insert into the monitor mount on workstation.
3. Tighten top bracket screw using provided 5 mm hex bit (C).

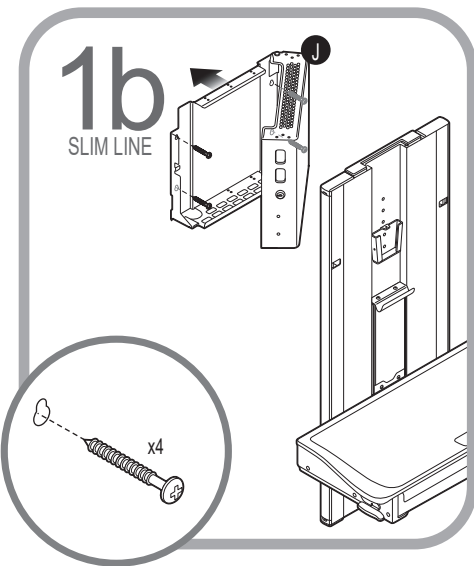
Integration

TECHNOLOGY BOX



Open the technology box (J). Using screws (L1), mount to rear of workstation. Using provided 3 mm hex bit (C), tighten screws.

Note: Larger CPU's must use the external CPU holder (K).



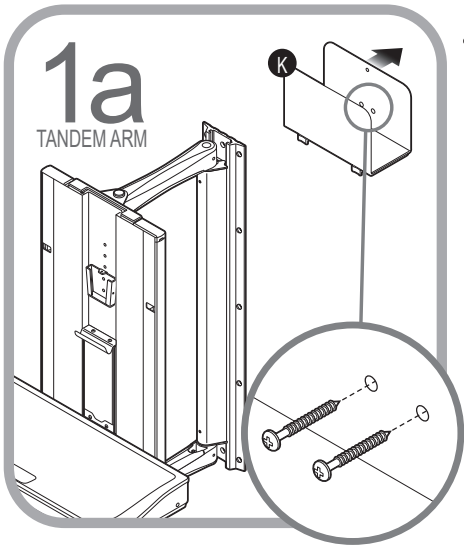
! Mount the technology box (J) to the wall above the workstation using hardware provided.

Note: Use part wall anchor (M3) and machine screws (M2) for steel stud installation. Use wood screws (M1) for wood studs.

Note: Larger CPU's must use the external CPU holder (K).

Integration

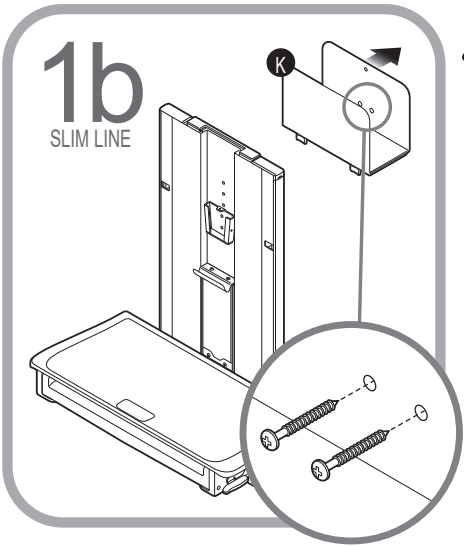
OPTIONAL EXTERNAL CPU HOLDER



! Mount the external CPU holder (K) to the wall above the workstation using hardware provided.

Note: Use part wall anchor (M3) and machine screws (M2) for steel stud installation. Use wood screws (M1) for wood studs.

Note: Larger CPU's must use the external CPU holder.



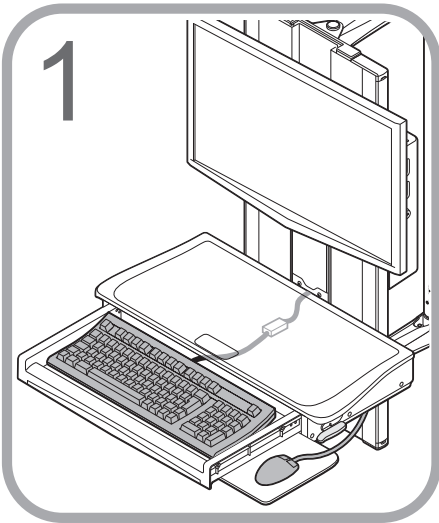
! Mount the external CPU holder (K) to the wall above the workstation using hardware provided.

Note: Use part wall anchor (M3) and machine screws (M2) for steel stud installation. Use wood screws (M1) for wood studs.

Note: Larger CPU's must use the external CPU holder.

Integration

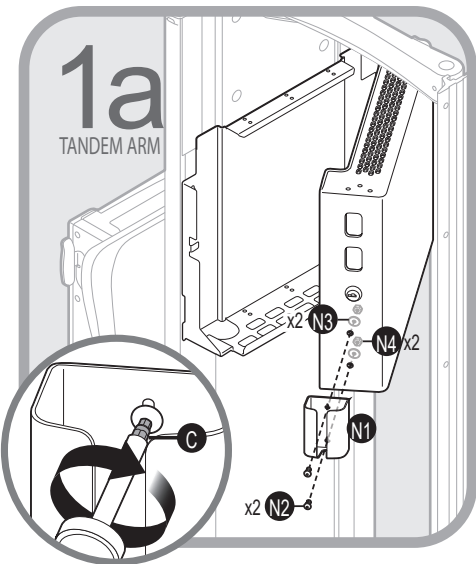
KEYBOARD



Place keyboard into keyboard drawer. Plug the USB connector into the pre-wired USB extender.

Note: Secure keyboard to drawer with Velcro® to avoid slipping.

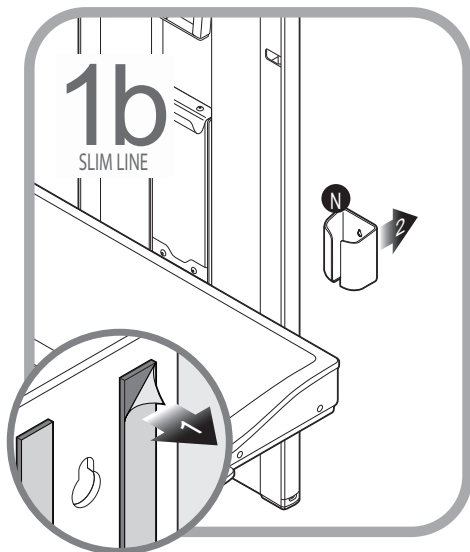
MOUSE HOLDER



1. Open the technology box.
2. Using screws, washers and nuts, mount the mouse holder to the technology box.
3. Using provided 3 mm hex bit, tighten the screws.

Integration

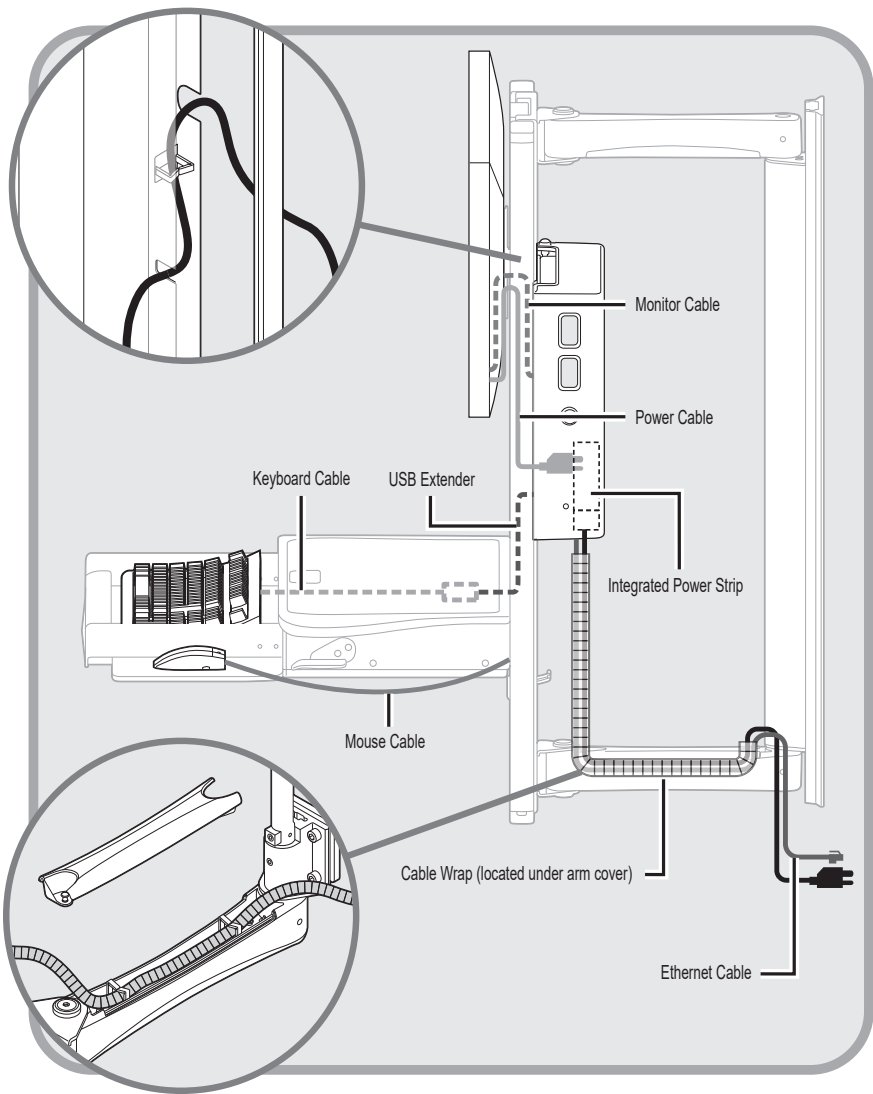
MOUSE HOLDER



1. Peel backing from adhesive.
2. Mount mouse holder (N1) on the wall at desired location.

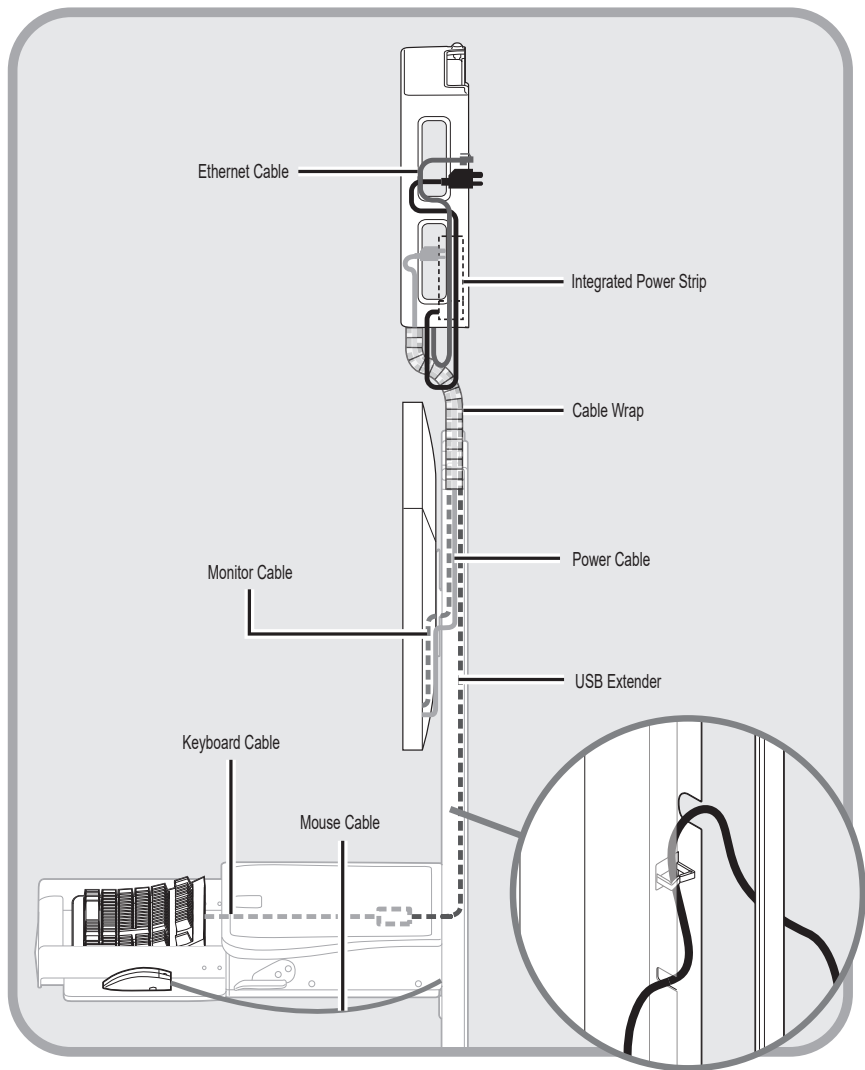
Integration

TANDEM ARM CABLE SCHEMATIC



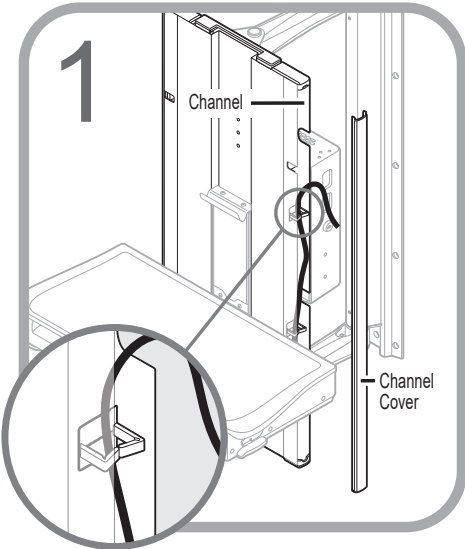
Integration

SLIM LINE CABLE SCHEMATIC

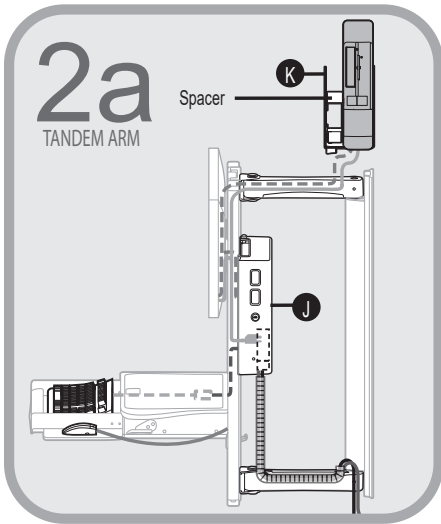


Integration

CABLE MANAGEMENT



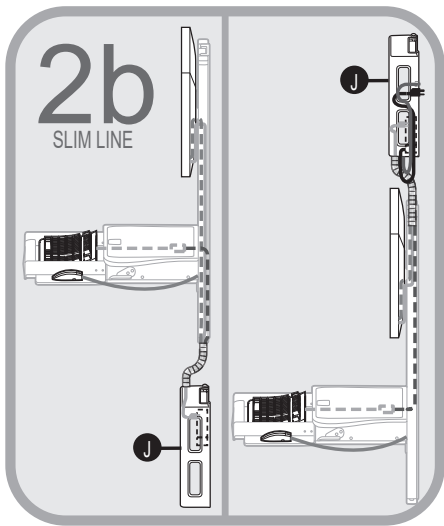
Remove the plastic shrouds to access the cable channels and cable management clips.



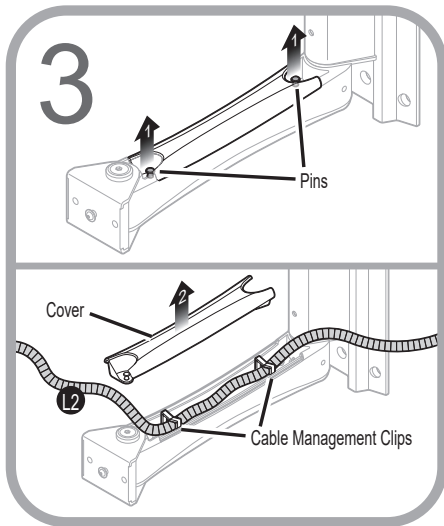
Note: Cables may be routed through the technology box (J) or through the tandem arms to the wall for an external CPU holder (K).

Integration

CABLE MANAGEMENT



Note: Cables may be routed to the technology box (K) or the external CPU holder (L) through the top or bottom of the workstation.

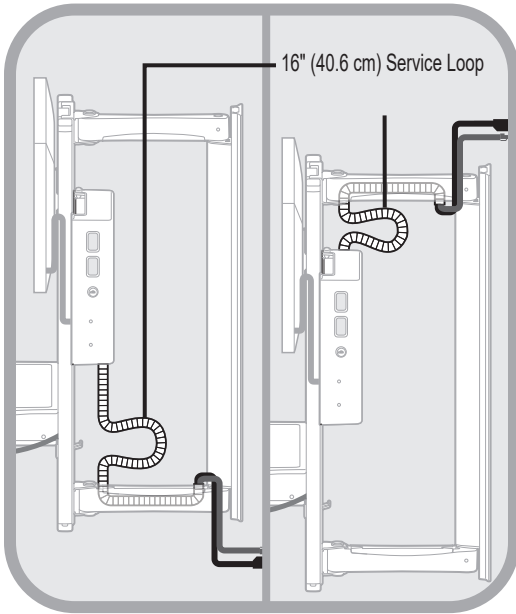


Pull pins (1) to release the covers on the tandem arms (2) and reveal the cable management clips.

Note: Ensure cord wrap (L2) is used to prevent cords/cables from being severed from the pivot arms.

Integration

CABLE MANAGEMENT



Service Loop

Leave 16" (40.6 cm) of cable exposed to allow for the height adjustment of the shuttle. If routing cables through the top, lower the workstation to its lowest position to ensure your service loop is adequate. If routing cables through the bottom, raise the workstation to its highest position to ensure your service loop is adequate.

Note: Tandem Arm™ shown for reference. Service Loop applies to both Tandem Arm™ and Slim Line installations.

Maintenance

 **DO NOT** use the workstation if pieces are missing or the unit is damaged. In these cases, immediately contact Capsa Healthcare Customer Service for more information: 800-437-6633.

Cables: Always keep the cables neatly organized and be sure to route cables away from moving components with wire ties or cable clips.

Power Cord: Periodically inspect power cord and plug to ensure plug is not bent and cable is not frayed.

Cleaning

 **CAUTION:** Because of the close proximity of electrical power and equipment, flammable cleaners should never be used on the workstation.

- Verify that your workstation is unplugged from the wall outlet before cleaning
- Allow your workstation to dry completely before plugging the power cord into a wall outlet
- When cleaning the workstation, wipe surface with a damp cloth and thoroughly dry
- **NEVER** cover the workstation or its components with liquid or allow liquids to flow into the workstation
- **NEVER** use steel wool or other abrasive material as these could damage the surface finish
- Before using any cleaner on the workstation, first test on a small area to ensure that the surface is not harmed
- These guidelines cannot guarantee infection control. The hospital's Infection Control Administrator should be consulted regarding cleaning procedures and schedules.
- Clean plastic components with diluted, non-abrasive solutions. Suggested cleaners are water, soap, diluted bleach and alcohol solutions.
- Remove pen and dry erase marker stains with a soft cloth and 91% isopropyl alcohol
- Remove iodine stains with a soft cloth and any cleaners suggested above

 **DO NOT** use the following chemicals to clean your workstation: acetone, mineral spirits, abrasive cleansers, paint thinner or any other harsh or toxic chemicals.

Troubleshooting

Problem	Solution
The lift is too hard to push down or does not rise.	Compare the total weight of the technology versus the weight guidelines in the integration section of this manual. Mounting excessive weight on the workstation will prevent the unit from rising. Placing minimal weight on the workstation will increase the pressure required to lower the unit. Refer to page 18.
The workstation is too difficult or easy to rotate right and left at the end of the arms.	Using a 5 mm hex bit, adjust the bolts on the front pivot of the upper and lower tandem arms to the desired tension. See detail on page 6.
The tandem arms are too difficult or too easy to rotate right or left at the wall pivot point	Adjust the tension on the rear pivot bar. Locate the 2 holes in the front of the cosmetic cover. Use a 3 mm hex bit to adjust. Refer to page 10.
The workstation will not raise or lower all the way.	Check the cable management from the rear of the workstation or technology box to the wall. There should be at least a 16" (40.6 cm) service loop in the cables to enable full range of motion. Refer to page 31.
The workstation is hitting an object mounted on the wall to either the right or left.	Use the rotational stops to prevent the workstation from rotating left or right. Refer to the installation instructions in the <i>Optional Rotational Stops</i> section on page 11 of this document.

Service

SERVICE REQUEST

Please visit our website at: www.capsahealthcare.com/request-service to file a request for parts.

SERVICE LEVEL COMMITMENT

Capsa Healthcare is committed to providing best-in-class service. This document details our standard warranty and instructions on how to request service using our customer support system.

Warranty

LIMITED WARRANTY FOR WALL MOUNTED WORKSTATIONS

Capsa Healthcare is pleased to offer a five-year warranty on parts.

If during the warranty period this Capsa Healthcare product proves defective in materials or workmanship under normal use by the original purchaser, please contact Capsa Healthcare technical support at www.rubbermaidhealthcare.com/service (please be sure to complete all information, including product serial number, description of the issue, and full contact information). Capsa Healthcare will determine, at its sole discretion, how to best address your warranty issue, which may include sending you a replacement part covered under warranty or for sale. Capsa Healthcare reserves the right to require proof-of-purchase prior to honoring any warranty request. This warranty does not cover product abuse, modification, failure to adhere to product instructions, or improper operation/misuse. Capsa Healthcare SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

SERVICE DETAILS

Consumable components are not covered under warranty and include:

- Mouse/Scanner Holder
- Arm Covers
- Mouse Pad
- Cable Management Clips
- Channel Covers

All other standard components will be replaced under the applicable warranty following a filed service request.

Standards Compliance

PRODUCT CLASSIFICATION

- Class 1/ Internally powered device with no applied parts
- This equipment is designed for continuous operation
- Class A, Group 1 ISM Equipment
- This device is classified IPXO for water ingress
- Input 120 Vac, 60 Hz, 250 Watts max North America

Transport/Storage

- Care should be taken to transport and store this system within a temperature range of 32° F to 90° F (0° C to 32° C); humidity 0% RH to 95% RH non-condensing.
- Both the Tandem Arm™ and Slim Line units are heavy. Use proper lifting techniques to prevent injury.

STATEMENT OF USE

The Tandem Arm™ and Slim Line wall mounted work stations are designed and manufactured by Capsa Healthcare. Capsa Healthcare's goal is to elevate your performance by offering innovative solutions that positively impact clinical effectiveness and enhance medication management processes throughout all healthcare environments.



800.437.6633
www.CapsaHealthcare.com