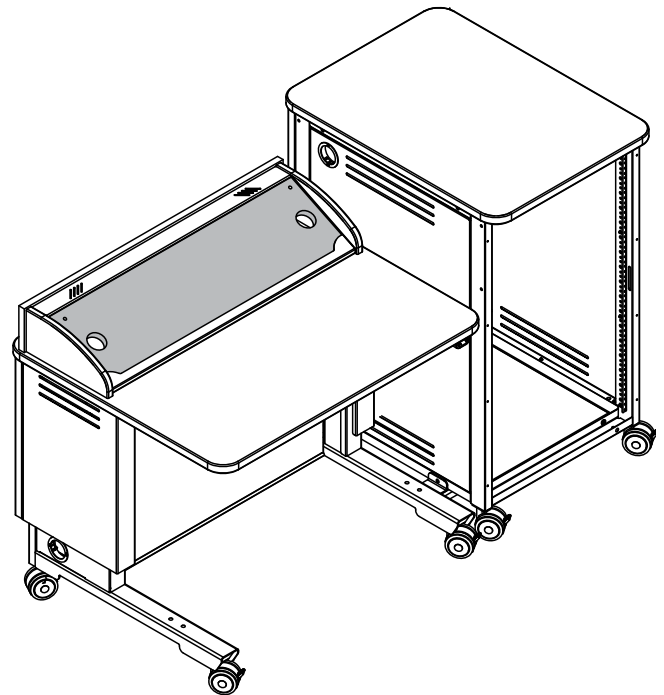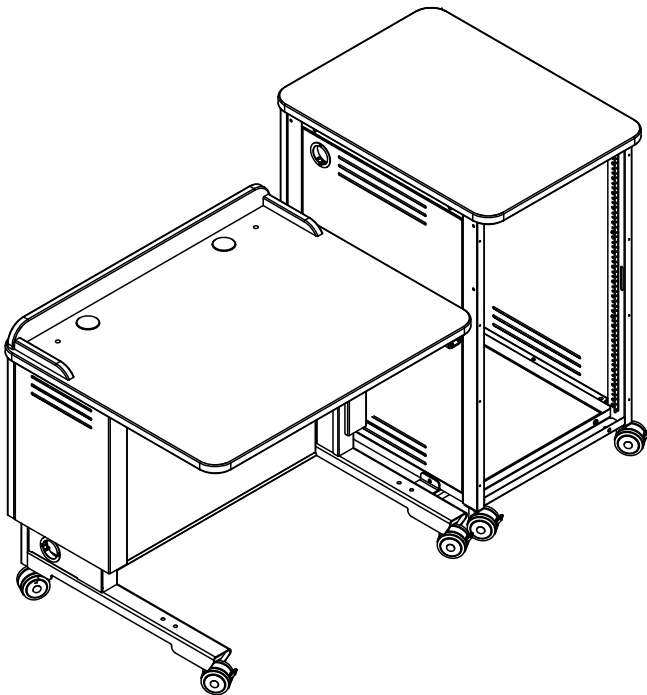# Owner's Manual

SPECTRUM
INDUSTRIES INC.

Freedom One eLift Lectern™

55357

⚠ **Important** ⚠

Before using this product:
- Read this manual
- Comply with all safety and operating instructions
- Ensure all parts and correct quantities are included

Any parts damaged during shipment must be reported within 5 days of receipt. To report information regarding missing parts or damage, to purchase parts or accessories, or if you have any questions, please contact us.

Thank you for purchasing Spectrum products!

Spectrum Industries, Inc
925 First Avenue, Chippewa Falls, WI 54729 USA
800 235 1262
715 723 6750
www.spectrumfurniture.com

⚠ Important Safety and Care Instructions ⚠

DANGER - Read all instructions <u>before</u> using

⚠ DANGER - General Safety:

1. SAVE THESE INSTRUCTIONS
2. Do not allow children to move.
3. Do not leave unit unattended in areas where children have access.
4. Keep unit locked when unattended.
5. Proceed slowly and carefully when moving.
6. Close supervision is necessary when this furnishing is used by, or near children, invalids, or disabled persons.
7. For indoor use only. Do not install or store where it will be exposed to moisture.
8. Do not block the ventilation openings.
9. Avoid uneven loading of the equipment into the unit. Uneven weight distribution could cause unit to tip when mobile.
10. Do not allow anyone to sit, stand, or climb on the unit.
11. When loading, place heavier objects near the bottom of the unit to avoid tipping.
12. To clean dirty surfaces, use a damp, soft-cloth, or sponge, with mild soap or detergent solution. <u>Do not use harsh solvents or abrasives.</u>
13. Never drop or insert any object into any opening.
14. This unit is intended for institutional, commercial use only.
15. Use this furnishing only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.
16. This unit does not have any user-serviceable parts. If servicing is necessary, please contact Spectrum Industries for assistance.

⚠ DANGER - To reduce the risk of electric shock:

1. This furnishing is only to be used with the power supply unit provided.
2. Always unplug this furnishing from the electrical outlet before cleaning.
3. For added safety, plug the cart into a grounded outlet controlled by a GFI (Ground Fault Interrupter) circuit breaker.
4. Keep the power switch in the OFF position before plugging or unplugging from the wall outlet.
5. Turn devices OFF before plugging them in.
6. This furnishing has a polarized plug (one blade wider than the other). This plug will fit into a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the correct outlet. Do not alter the plug in any way
7. Do not plug the power cord into an extension cord.
8. Inspect the power cord for damage before each use. Do not operate if cord or plug has been damaged, or has come into contact with water.
9. To disconnect power, turn all controls to the OFF position, then remove plug from outlet. Do not pull on cord.
10. Disconnect power before adding or removing components.
11. Do not run power cords across hallways or classrooms. Do not step on, drive over, drag, or place objects on cord. Keep cord away from heated surfaces.
12. If servicing is necessary, please contact Spectrum for assistance.
13. Damaged electrical components can create significant hazards to users and is not covered by the warranty. Repairs should always be performed by a qualified electrician.
14. Electrical devices are not toys. Children are often unaware of the hazards associated with electrical devices. This cart must always be used by adults or with adult supervision.

⚠ WARNING ⚠

Relocating audio and/or video equipment to furniture not specifically designed to support audio and/or video equipment may result in serious injury or death due to the furnishing collapsing or over turning onto a child.

⚠ WARNING ⚠

A remote control or toys placed on the furnishing may encourage a child to climb on the furnishing and as a result the furnishing may tip over onto the child. Serious injury or death could occur when children climb on audio and /or video equipment furniture.

⚠ CAUTION ⚠

Risk of Electric Shock. This unit may have multiple power cords. Unplug <u>all</u> power cords before moving or servicing this furnishing.

⚠ WARNING ⚠

To reduce the risk of burns, fire, electric shock, or injury to persons, unplug from outlet(s) before installing or removing components


⚠ CAUTION ⚠

- **<u>Always unplug lectern before working under the worksurface or inside rack cabinet</u>.**
- **Do not place anything under worksurface when operating lift.**
- **Use caution when raising or lowering the worksurface!**
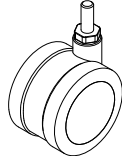- **Be sure lectern movement does not interfere with objects or people**

Note: This unit is <u>not</u> designed for use with cord reels or surface-mount cord reel accessories.
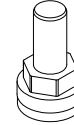
SPECTRUM INDUSTRIES INC.

Hardware

Equipment Rack
(included with select configurations)
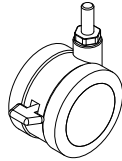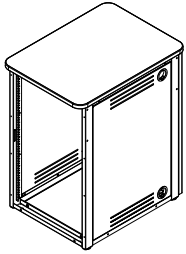
(2) 0105965
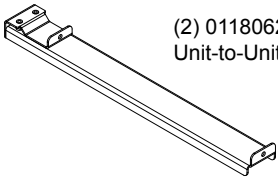3" Swivel Stem Casters with brake
(1/2-13 thread)

(2) 0105966
3" Swivel Stem Casters
(1/2-13 thread)

(4) 055194
Glide (1/2-13 x 1" thread)
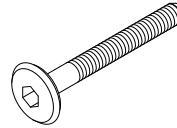*(only included with units configured with glides)*

Unit-to-Unit Brackets
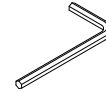*(included with select configurations)*

(2) 0118062
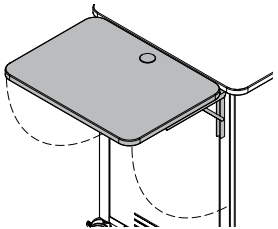Unit-to-Unit Connectors

(4) 052605
1/4-20 x 15mm
JC bolts

(4) 053310
1/4-20 x 40mm
JC bolts

(1) 025039
4mm Hex wrench

Flip-Up Shelf
(included with select configurations)

(1) 0118086
Flip-up shelf
assembly

(4) 0100167
8-32 x 1/2" PH
Thread-cutting
screw

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1. Lectern lift mechanism initial setup, operation, and reset procedure

Preparation:

- *Read all instructions before operation.*
- *Make sure lectern is plugged-in using the 15-foot, 15-amp power cord.*
- *Locate the "Up" and "Down" control buttons. Control pad is located on the instructor-side under the worksurface front edge on opposite side from rack cabinet.*
- *Keep clear of pinch points during worksurface movement.*

Control buttons

Up   Down

Figure 1A

Normal Operation:

To raise or lower the lectern, press and hold the "up" or "down" arrow keys on the control pad until the worksurface reaches the desired height. The worksurface can be adjusted from 28.5"H *(minimum)* to 42"H *(maximum)*.
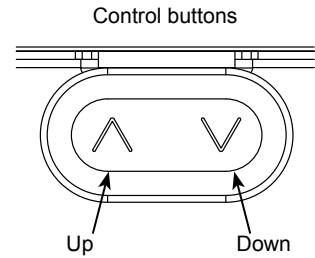
Note: The lectern has a load-sensing, anti-collision feature programmed into the controller that actively locks out the lift mechanisms when unbalanced loads are encountered; i.e. an obstruction under the worksurface, or weight from a person sitting on one side of the lectern.

⚠ CAUTION ⚠

Keep clear of pinch points during worksurface movement. Note: The lift actuators provide 540 lb of lift.
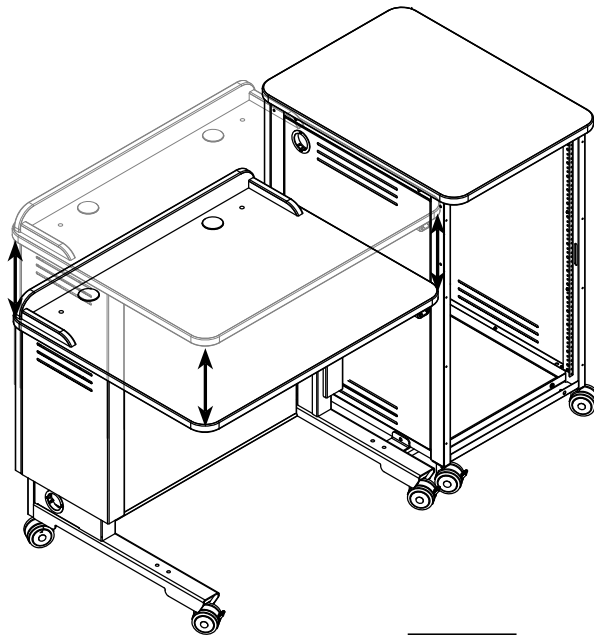

Figure 1B

⚠ CAUTION ⚠

Always unplug the lectern before working under the worksurface. Do not place anything under the worksurface when operating lift. Although this lectern utilizes an anti-collision feature that briefly stops and reverses the worksurface motion in the event of an obstruction, use caution when raising or lowering. **Do not** sit at, under, or on the worksurface when operating the lift mechanism and be sure lectern movement does not interfere with objects or people. **Use caution when raising or lowering the worksurface!**

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2. Attach equipment rack casters / glides
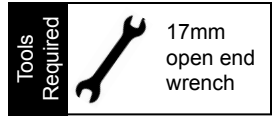
1. On a non-abrasive surface, carefully tip the equipment rack onto its back (audience side). **Figure 2**.
2. Install the included stem casters or glides and tighten securely.
   Note: 2 locking casters should be installed on the instructor-side for easy-access.
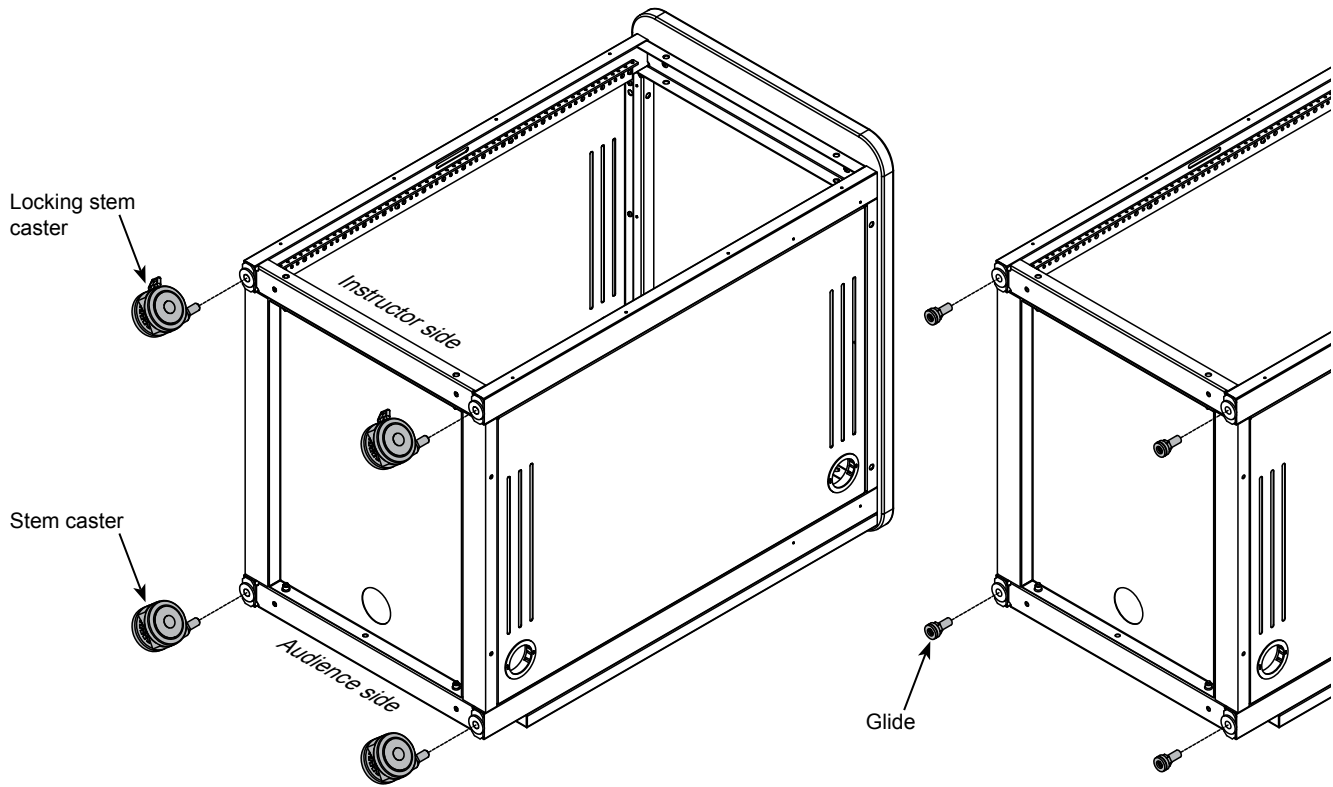3. Tip the equipment rack back upright.

Locking stem caster

Instructor-side

Stem caster

Audience side

Glide

Figure 2

3. Connect lectern and equipment rack

1. Determine which side of the lectern the equipment rack is to be installed (left or right side). (Right-side installation shown.)
2. Attach the unit-to-unit brackets to the equipment rack side panel mounting holes with (4) 1/4-20 x 15mm JC bolts. **Figure 3A**.

Equipment Rack

(2) 1/4-20 x 15mm JC bolts

Unit-to-Unit bracket

Unit-to-Unit bracket

(2) 1/4-20 x 15mm JC bolts
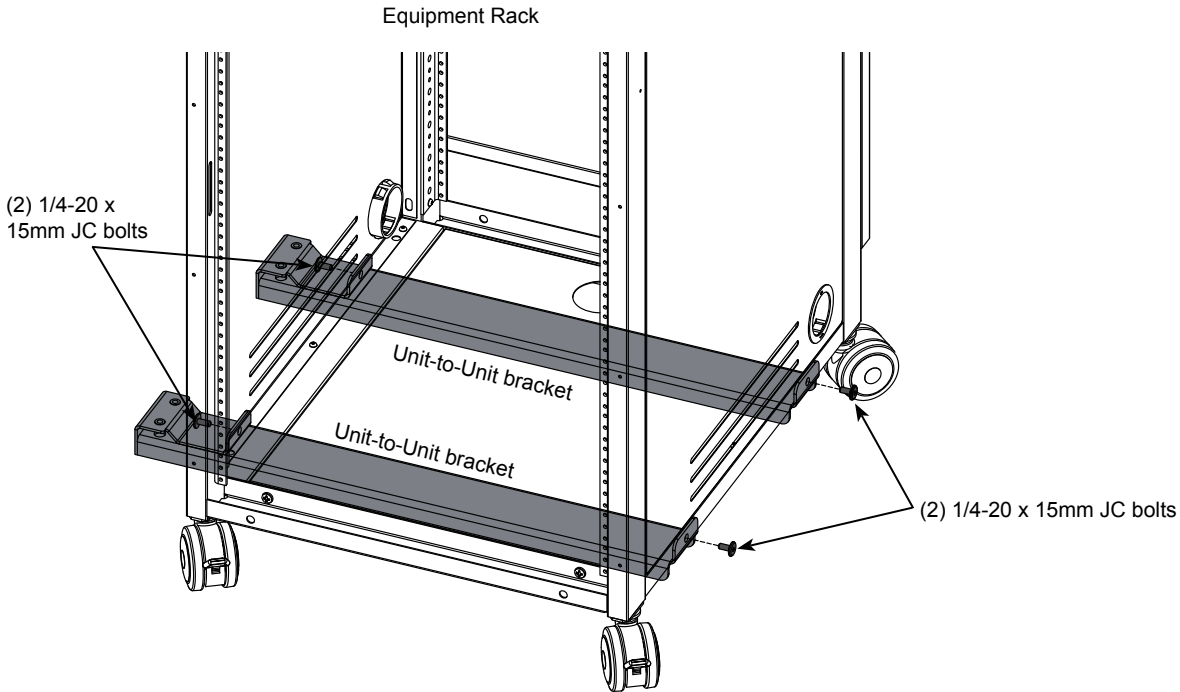
Figure 3A

3. Bring the equipment rack to the lectern and align the unit-to-unit brackets with the mounting holes in the lectern leg.
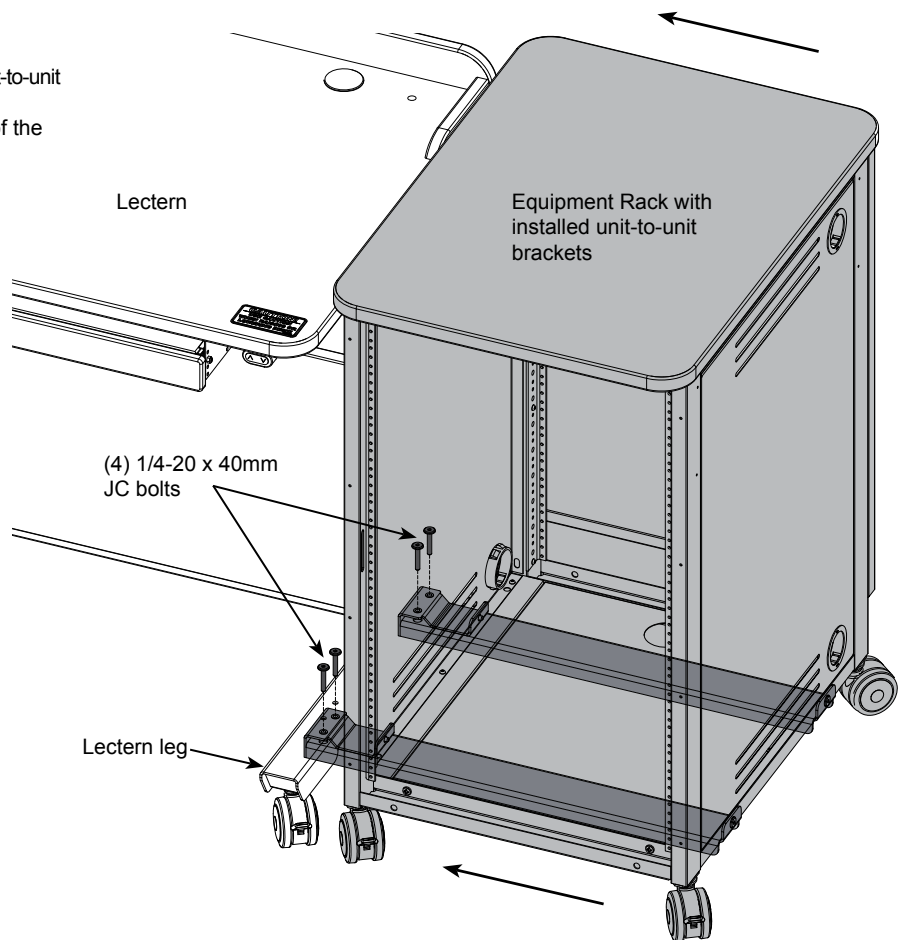4. Install (4) 1/4-20 x 40mm JC bolts through the top of the lectern leg and tighten securely. **Figure 3B**.

Lectern

Equipment Rack with installed unit-to-unit brackets

(4) 1/4-20 x 40mm JC bolts

Lectern leg

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Figure 3B

Installing flip-up shelf *(select units)*

1. Determine which side of the equipment rack the shelf is to be installed.
2. Extend and lock the folding shelf brackets into the horizontal position. **Figure 4A**.
3. Align and attach each bracket to the side of the lectern with (2) 8-32 x 3/8" PHM screws and tighten securely. **Figure 4B**.

Note: The flip-up shelf option may not be included with all configurations. The shelf is designed for use on Freedom One eLift equipment racks that are attached to the lectern with unit-to-unit connectors. It is <u>not</u> recommended for use on stand-alone equipment racks.

The shelf is to be installed on the equipment rack side <u>opposite</u> the Freedom One Lectern.
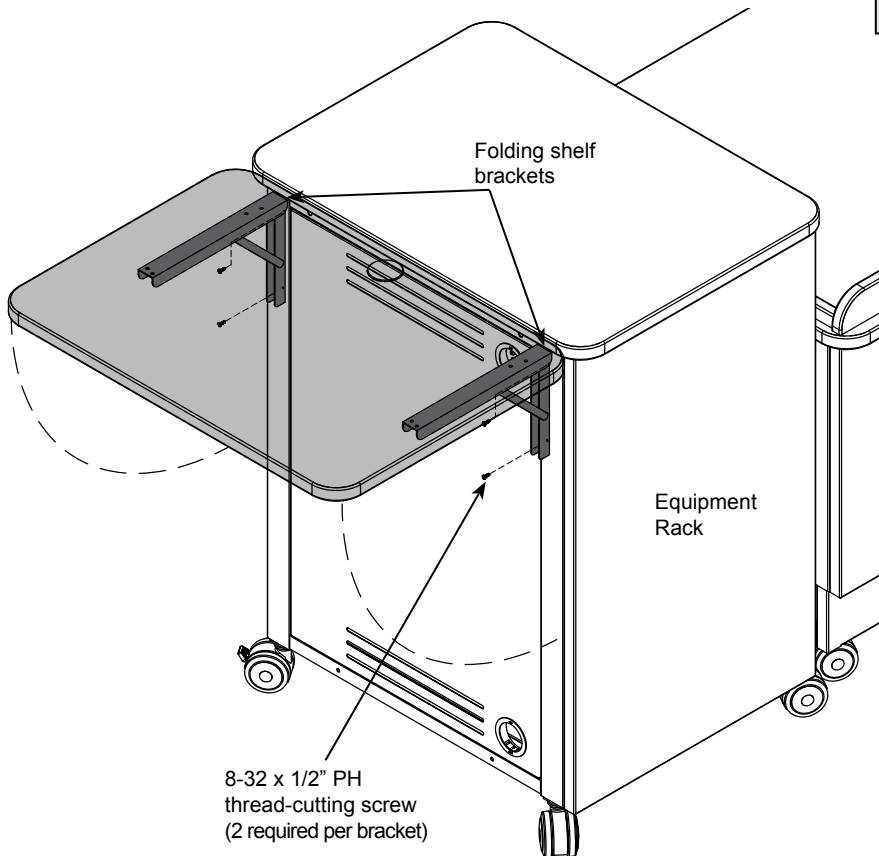
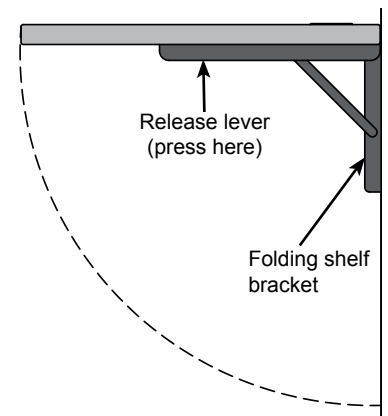Folding shelf brackets

Equipment Rack

8-32 x 1/2" PH thread-cutting screw (2 required per bracket)

Figure 4B

Release lever (press here)

Folding shelf bracket

Figure 4A

Operation

The shelf will automatically lock into place when lifted into the horizontal position. **Figure 4A**. To lower or flip-up the shelf, press and hold the levers under each folding shelf bracket at the same time while slowly lowering or raising the shelf. Do not exceed a maximum of 35 lb of weight on the shelf. Do not move the unit while the shelf is in the horizontal position.

Note: Power and communication wiring for document cameras, laptop computers, and / or projectors placed on the flip-up shelf should be routed on top of the audience-side of the shelf. Use of the shelf grommet hole for wiring will result in pinching of the cords when the shelf is folded.

⚠ CAUTION ⚠

Keep clear of pinch points during shelf movement. Do not exceed 35 lb [15.9 kg] of weight on shelf.

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Overbridge insert panel *(select overbridge lecterns)*

1. To remove the overbridge insert panel, remove the (2) 1/4-20 x 35mm JC bolts with a 4mm hex wrench and lift out the panel. **Figure 5A**.

2. To make cutouts in the insert panel [optional]:
   1. Identify all location(s) and sizes for controller(s) or electronics while making sure all devices fit within the maximum cutout space available in the overbridge panel. See **Figure 5B, 5C**.
   2. Locate and mark the exact cutout area(s) on the panel.
      Note: Using masking tape on cut lines will minimize laminate chipping while cutting.
   3. Carefully make the cutout(s) in the overbridge panel using a jigsaw or router.

3. Install controller(s) / electronics into panel.
4. Re-install the overbridge panel and secure with (2) 1/4-20 x 35mm JC bolts.

Tools Required

4mm hex wrench	Drill
Measuring device	Drill bit
Pencil	
Masking tape	Jigsaw or Router

1/4-20 x 35mm JC bolt

1/4-20 x 35mm JC bolt

Overbridge panel

Figure 5A
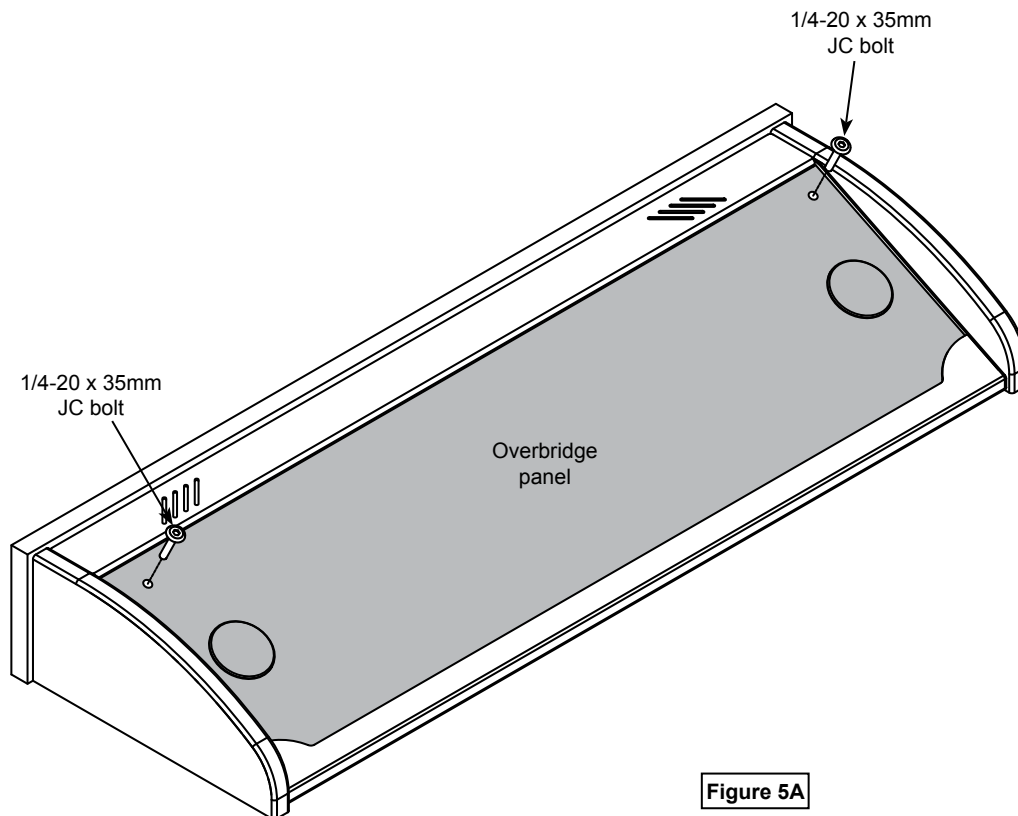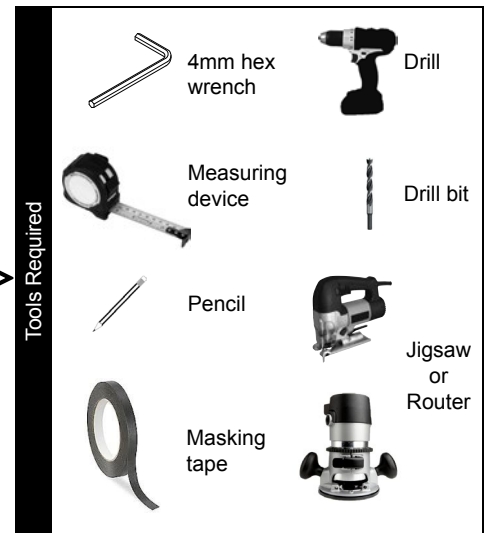
Note: Blank overbridge panels require the customer to make necessary cutouts with a jigsaw or router. This has a moderate difficulty rating, so experience and skill with tools is required.

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Freedom One eLift Overbridge Insert Panel Blank
(flat view)

0.9374
[2.38 cm]

9
[22.86 cm]

7.125
[18.09 cm]

2" grommet

2" grommet

Max cutout area

Cutouts should
be avoided here
if device will
descend below
worksurface

1.125
[2.86 cm]

(Actuator
plug below
worksurface)

0.9374
[2.38 cm]

4.2813
[10.88 cm]

2.344
[5.95 cm]

Worksurface opening below

20
[50.8 cm]

1.5
[3.81 cm]

2.344
[5.95 cm]

4.2813
[10.88 cm]

24.688
[62.7 cm]

33.25
[84.45 cm]

Figure 5B

Overbridge
section view

0.9374
[2.38 cm]

7.125
[18.09 cm]

4.7856
[12.16 cm]

0.9374
[2.38 cm]

26°

Worksurface opening below

8.5
[21.59 cm]

11.9376
[30.33 cm]

Figure 5C

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Actuator

Up / Down
buttons

Actuator

Wire Loom

To wall outlet

Control Box

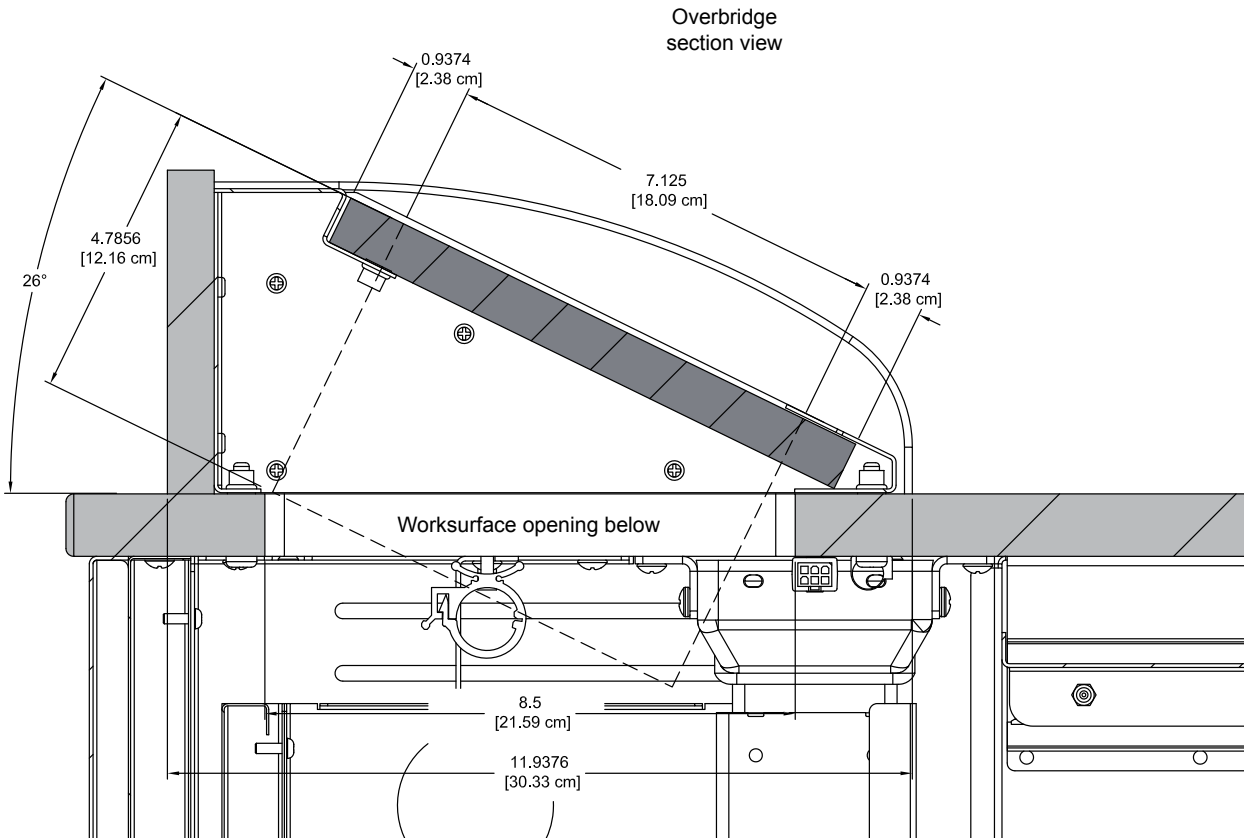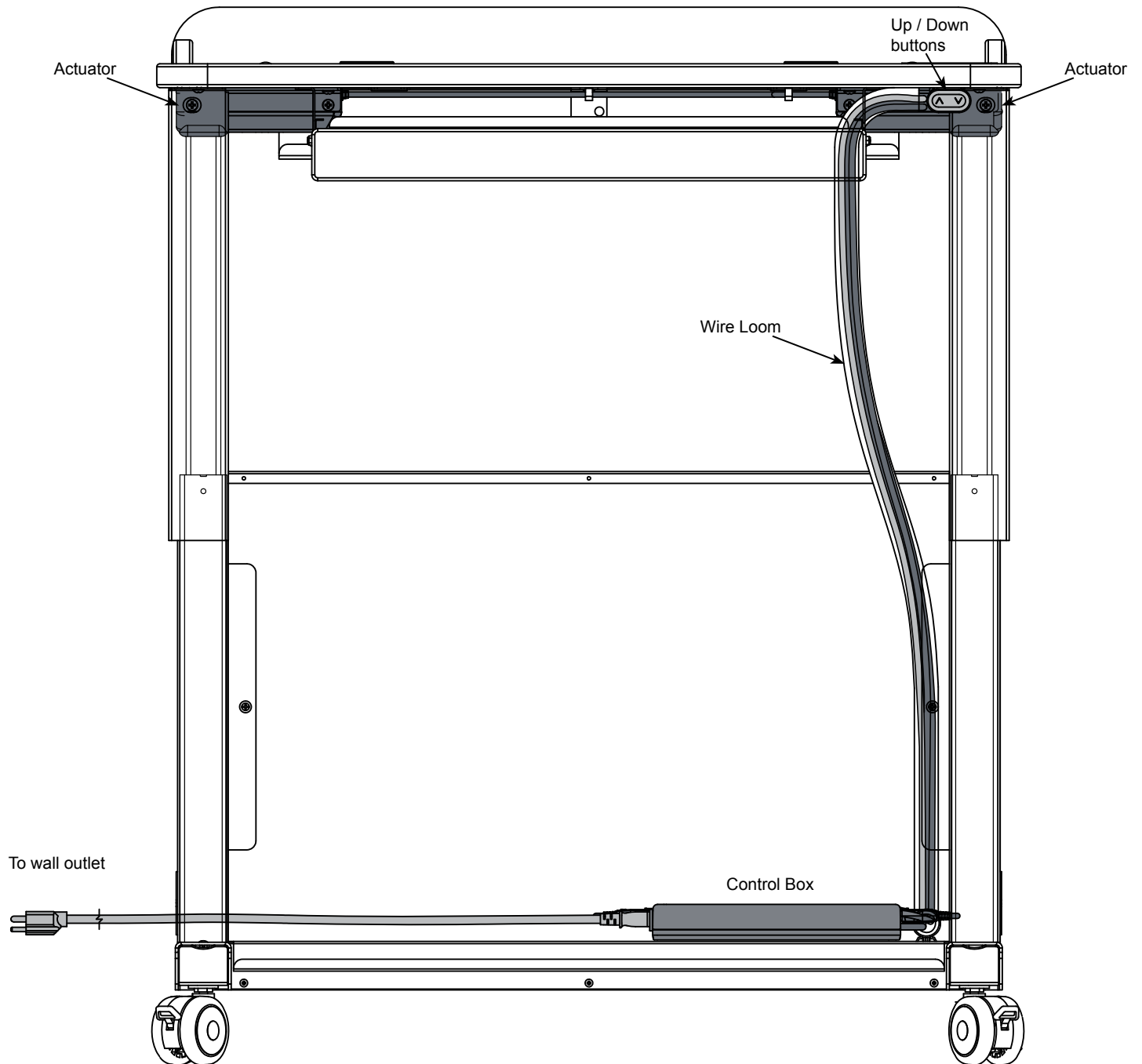**Figure 6**

Note: The shroud panel can be
removed with 2 screws and /
or the worksurface extended to
access internal wiring.

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Removing equipment rack audience-side panel

The audience-side panel can be removed to access the rear portion of the equipment rack.

1. To remove the panel, remove the (2) 1/4-20 x 5/8" PHM screws under the worksurface edge. **Figure 7**.
2. Let the panel drop slightly from the 4 installed frame screws, then remove the panel.
3. To reattach, align the 4 keyhole slots with the installed frame screws, and push the panel up to the work-surface. Make sure the panel fully contacts the vertical equipment rack frames.
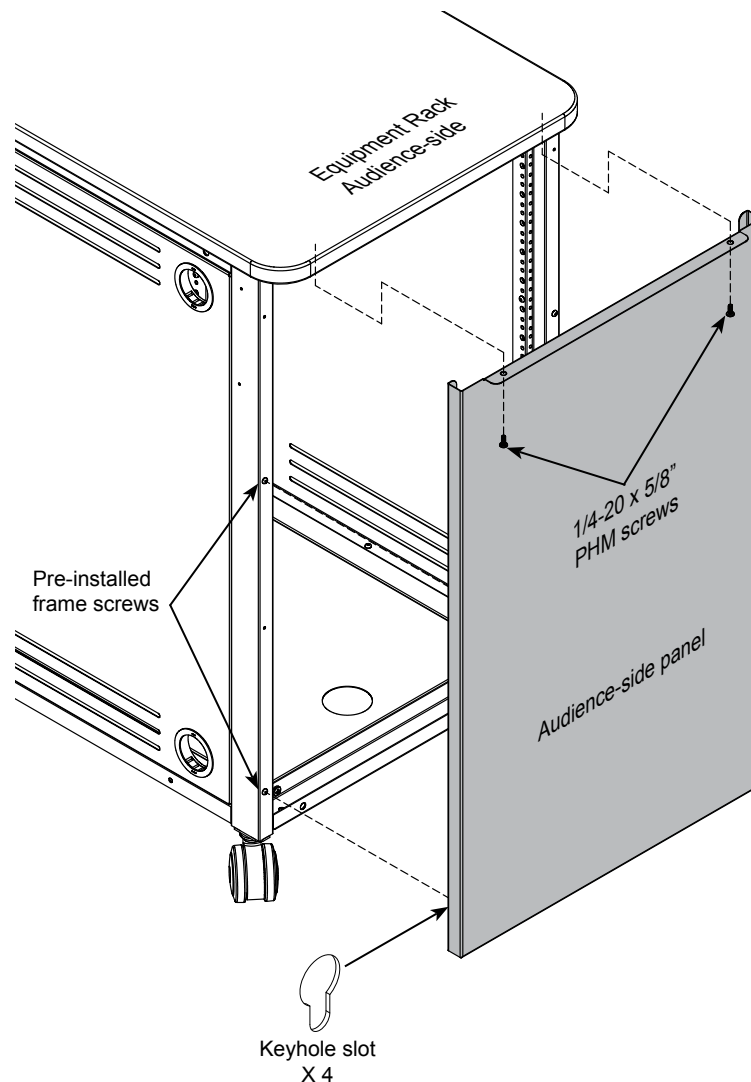4. Re-install the (2) 1/4-20 x 5/8" PHM screws and tighten securely.

Equipment Rack Audience-side

1/4-20 x 5/8" PHM screws

Audience-side panel

Pre-installed frame screws

Keyhole slot X 4

Figure 7

Moving and parking the lectern

- Before moving, unplug and secure all power cords.
- Close and lock doors.
- Remove any items from the top of the worksurface.
- Unlock the casters.
- Push slowly and carefully. Do not move over uneven or irregular surfaces.
- Do not allow children to move.
- Lock the casters after moving.
- Do not park unit in areas of heavy traffic.
- Do not run power cords across hallways, classrooms, or other areas where they will be walked on.
- Do not leave unit unattended in areas where children have access.
- Keep doors closed and locked whenever unit is unattended or parked.
- Keep casters locked whenever the lectern is unattended.

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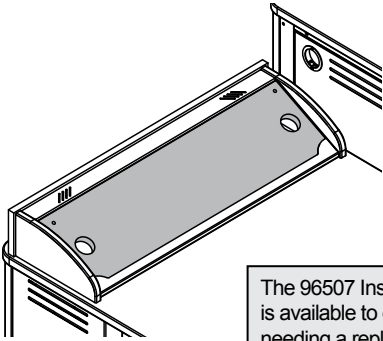
The 96507 Insert Panel is available to customers needing a replacement panel or different cutouts for technology upgrades.
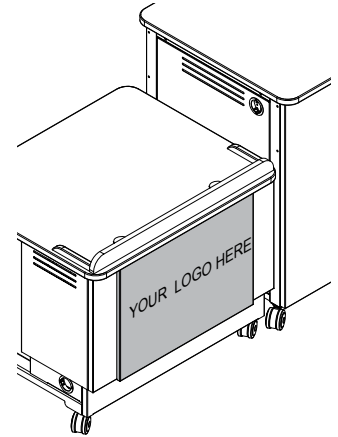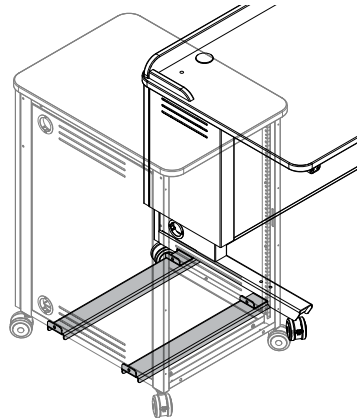
Overbridge Insert Panel Blank - 96507
**Overbridge Insert Panel with cutouts - 96507mod**

- For overbridge version only
- Contact Spectrum to specify cutout size(s) and location(s)
- Overbridge not available separately
- Includes two 2" grommets with covers

Unit-to-Unit Connector Kit - 55359

- For connecting equipment rack to lectern
- Simple installation-lectern and equipment rack can remain right-side up
- 9 lb [4.1 kg]

Customized Logo Panel - 55380

- To get a customized logo panel, contact Spectrum to specify all logo details
- New logos require a first time logo charge
- 26"W [66 cm] x .625"D [1.6 cm] 19.09"H [48.5 cm]

YOUR LOGO HERE
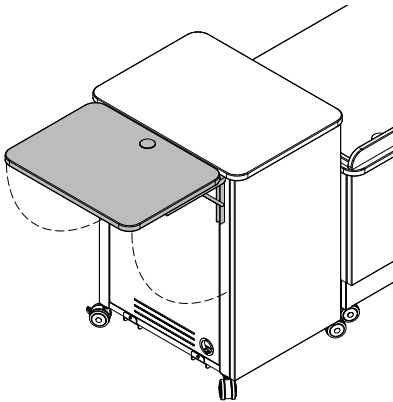
Flip-up Shelf - 55378

- Includes 2" grommet

Dimensions:	21.1875"W [53.8 cm] x 30"D [76.2 cm] x 1"H [2.54 cm]
Weight capacity:	35 lb [15.9 kg]
Unit weight:	N/A
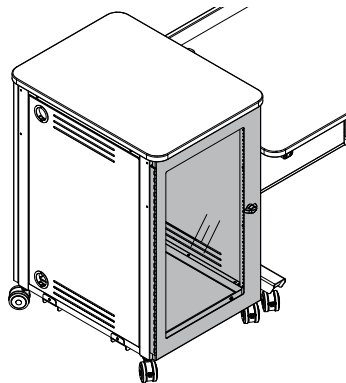
Clear Acrylic Door - 68153

- Locking
- For instructor-side installation
- Can be installed to be hinged from the left or right side
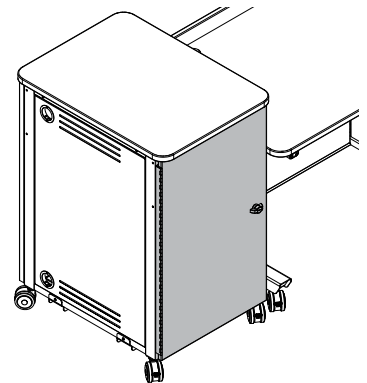
Solid Door - 68152

- Locking
- For instructor-side installation
- Can be installed to be hinged from the left or right side

Note: Not recommended for use on stand-alone equipment racks.

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Keyboard Tray - 55379

- Tray can be installed and used as a keyboard tray or flipped and used as a storage drawer using pre-drilled mounting holes under the lectern worksurface.
- Wire management slots in tray

Dimensions:	22"W [55.9 cm] x 13.815"D [35.1 cm] x 4"H [10.2 cm]
Weight capacity:	25 lb [11.4 kg]
Unit weight:	14 lb [5.4 kg]

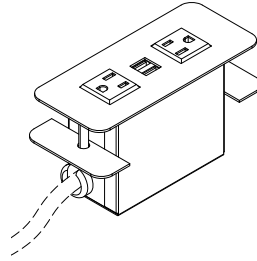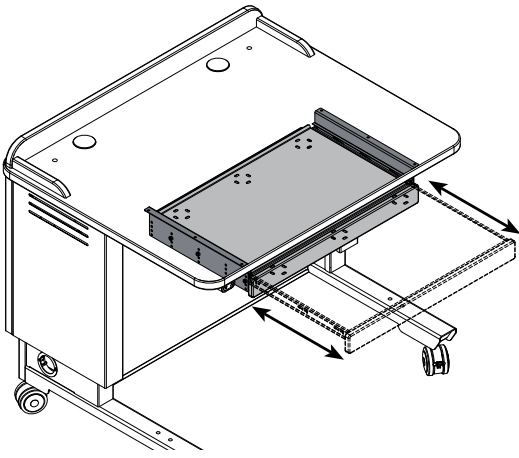Note: The keyboard tray protrudes 3.4375" [8.73 cm] below the worksurface. If the lectern is used for ADA use, a higher adjusted worksurface (around 32"H) is necessary to provide wheelchair clearance.

Cove Power Module - 99044

- Two power receptacles
- Two USB charge ports (not data-compatible)
- Thumbscrew clamps
- Requires worksurface cutout
- ETL listed

Cutout required:	5.25"W [13.3 cm] x 2"D [5.1 cm] (mounts to surface thicknesses up to 1.5")
Power cord:	9' [274 cm] with 90° flat plug with 45° rotation
Power receptacles:	12A, 120 VAC spill-resistant
USB charging ports:	2.1A (10.5W)
Dimensions:	6"W [15.2 cm] x 2.5"D [6.35 cm] x 3.18"H [8.1 cm]
Unit weight:	2.29 lb [1 kg]
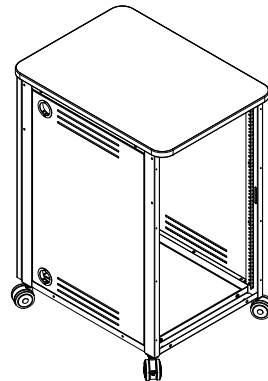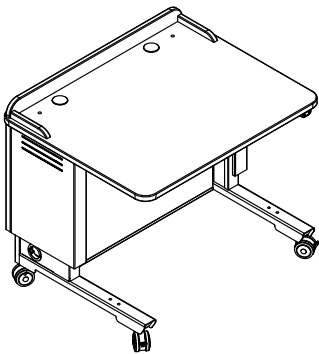
Freedom One eLift Lectern - 55357

- Electrically-adjustable worksurface
- ADA-compliant
- Available in surround or overbridge versions
- Factory-assembled with casters or glides

Lectern Style:	•	Surround
	•	Overbridge
Worksurface options:	•	No Cutouts
	•	Custom Cutouts
Base options:	•	Twin Wheel Casters
	•	Glides
Unit weight:		151 lb [68.6 kg]

Equipment Rack for Freedom One eLift - 55358

- Rack rail: 18RU
- Front and rear rack rails
- Standard audience-side panel included
- Casters/glides assembled by customer
- 39.11"H [99.3 cm] worksurface height (with casters)
- Two 2" grommets in each side panel provide cord access
- One equipment rack can be attached to the left and right sides of the lectern

Worksurface options:	•	No Cutouts
	•	Custom Cutouts
Base options:	•	Twin Wheel Casters
	•	Glides
Door options:	•	Solid door
	•	Acrylic door
Unit weight:		83 lb [37.7 kg]

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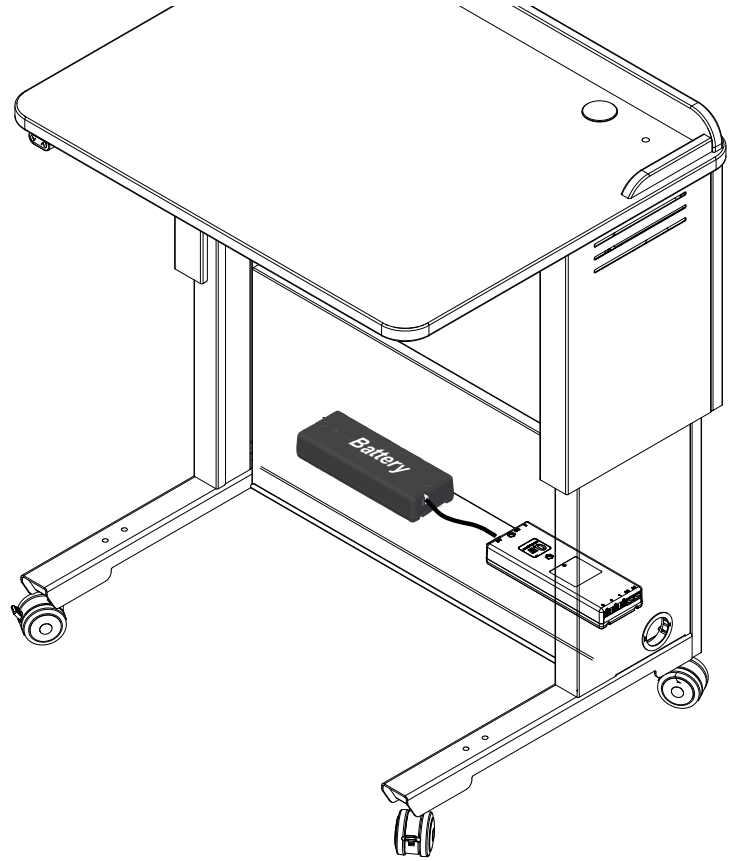
Rechargeable Battery Pack System - 99045

- Creates a mobile lectern / desk by providing the ability to operate the unit in locations without AC power
- Compact, lightweight lithium-ion battery plugs into and charges from the existing lectern control box
- On-board LED light bars indicate charge capacity level
- Audio alarm signals when charging is needed
- Thermal switch protection, overcurrent protection
- Easy customer-installation

Battery Type	Lithium-ion
Capacity	2.2 Ah / 53 Wh
Voltage (nominal)	24V
Discharge current	9A (max)
Max charging voltage	40V DC
Charging current	0.5 A
Certifications	EN 62133 (Battery safety testing)
	UL 1642 (Lithium cells, standard test)
	UN 38.3 (Transportation of Lithium batteries)
	UL 2054 (Household and commercial batteries)
	EN 60335-1 with CBH Advanced
Unit weight: (nominal)	1.32 lb [.6 kg]
Shipping weight: (nominal)	2 lb [.9 kg]

Battery / Control Box Compatibility:
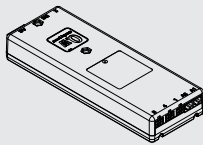
The CBD6S Linak control box is compatible with this battery pack.

Older CBD4 Linak control boxes are not compatible with this battery pack.

See **spectrumfurniture.com** for the latest accessories and detailed warranty information.

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⚠ Warning!

Failure to comply with these instructions may result in accidents involving serious personal injury. Failing to follow these instructions can result in the product being damaged or being destroyed.

⚠ Safety Information

General

Safe use of the system is possible only when the operating instructions are read completely and the instructions contained are strictly observed. Failure to comply with instructions marked with the "NOTE" symbol may result in serious damage to the system or one of its components.

- It is important for everyone who is to connect, install, or use the systems to have the necessary information and access to this User Manual. Follow the instructions for mounting – risk of injury if these instructions are not followed.

- The appliance is not intended for use by young children or infirm persons without supervision.

- If there is visible damage on the product it must not be installed.

- Note that during construction of applications, in which the actuator is to be fitted, there must be no possibility of personal injury, for example the squeezing of fingers or arms.

☞ Assure free space for movement of application in both directions to avoid blockade.

Before installation, re-installation, or troubleshooting:

- Stop the DL5/DL6
- Pull out the mains plug.
- Relieve the DL5/DL6 of any loads, which may be released during the work.

Before start-up:

- Make sure that the system has been installed as instructed in this User Manual.
- Make sure that the voltage of the control box is correct before the system is connected to the mains.
- System connection. The individual parts must be connected before the control box is connected to the mains. See the User Manual for LINAK actuators, if necessary.

During operation

- If the control box makes unusual noise or smells, switch off the mains voltage immediately.
- Take care that the cables are not damaged.
- Unplug the mains cable on mobile equipment before it is moved.
- The products must only be used in an environment, that corresponds to their IP protection.

Misc.

The actuator system has a sound level below 55dB(A) in typical applications.

Updated manuals and declarations can always be found here: www.linak.com/deskline

Label for DL6

⚠ Only for EU markets

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

⚠ Only for Non-EU markets

- Persons who do not have the necessary experience or knowledge of the product/ products must not use the product/products. Besides, persons with reduced physical, sensory or mental abilities must not use the product/products, unless they are under surveillance or they have been thoroughly instructed in the use of the apparatus by a person who is responsible for the safety of these persons.
- Moreover, children must be under surveillance to ensure that they do not play with the product.

Misuse

- Do not overload the actuators – this can cause danger of personal injury and damage to the system.
- Do not use the actuator system for lifting persons. Do not sit or stand on a table while operating – risk of personal injury.
- Do not use the system in environments other than the intended indoor use.

Repairs

In order to avoid the risk of malfunction, all DESKLINE® repairs must only be carried out by authorised LINAK workshops or repairers, as special tools must be used and special gaskets must be fitted. Lifting units under warranty must also be returned to authorised LINAK workshops.

⚠ **Warning!** If any of the DESKLINE® products are opened, there will be a risk of subsequent malfunction.

⚠ **Warning!** The DESKLINE® systems do not withstand cutting oil.

C/N 120690
C/N 9901916
C/N 4008003
C/N 4008004
C/N 4008005
C/N 4008671
C/N 4009507

Note: Use the included control box only-do not connect other control boxes to this product.

Label for CBD6S 200W (SMPS)

Misc. on the DESKLINE® DL5/DL6 system

This system is a DESKLINE system developed for desks and for indoor use in offices. Do not use it in industrial kitchens or in other enviroments that have to be cleaned with aggressive detergents. Do not bolt the legs to the floor so that free movement is prevented. This could cause serious damage to the legs in fault situations.

Warranty - 60 months on DESKLINE® (NEW)

This will be valid for all DESKLINE products produced after the 1st of May 2015.

Products produced before 1st of May 2015 will still be covered by 36 months.

Products used in DESKLINE application: If these products are used in another application, they will be covered by 18 months warranty.

If there is any doubt that returned products are within the warranty period it is to be treated as if they are covered by the warranty. We recommend that you use the date of the control box or actuator as reference if possible. We will have our purchase number printed on the label.

Maintenance

Clean dust and dirt on the outside of the system at appropriate intervals and inspect them for damage and breaks. Inspect the connections, cables, and plugs and check for correct functioning as well as fixing points.

Service of double-insulated products:

☐ **Class II**

A Class II or **double insulated** electrical appliance is one which has been designed in such a way that it does not require a safety connection to electrical earth (US: ground).

The basic requirement is that no single failure can result in dangerous voltage becoming exposed so that it might cause an electric shock and that this is achieved without relying on an earthed metal casing. This is usually achieved at least in part by having two layers of insulating material surrounding live parts or by using reinforced insulation.
There is no earthing / grounding means provided on the product, and no earthing/grounding means is to be added to the product.

In Europe, a double insulated appliance must be labelled "Class II", "double insulated" or bear the double insulation symbol (a square inside another square).
Servicing a double-insulated product requires extreme care and knowledge of the system, and is to be done only by qualified service personnel. Replacement parts for a double-insulated product must be identical to the parts they replace.

👆 **The cleaners and disinfectants must not be highly alkaline or acidic (pH value 6-8).**

Description of the DESKLINE® DL5/DL6 system

Each DESKLINE® DL5/DL6 lifting units is equipped with a motor and parallel / memory drive is ensured by means of software in the CBD6S (SMPS) that also takes account of oblique load on the desk. Soft start and stop are also part of this software, which ensures a soft start and stop when adjusting the desk.

Application of the DESKLINE® DL5/DL6 system:
Irrespective of the load the **duty cycle 10% ~ 6 min./ hour or max. 2 min. at continuous use** stated in the data sheets, must **NOT** be exceeded as this will result in a superheating of the motor, the brake and the spindle nut. Exceeding the duty cycle will result in a dramatic reduction of the life of the system.

The DESKLINE® DL5/DL6 system range contains the following products:
*   1 control box CBD6S 200W or CBD6S 300W (SMPS - Switch Mode Power Supply)
*   1 single DL5/DL6 or 2 in parallel
*   1 exchangeable mains cable
*   1 or 2 motor cables
*   1 DP1U/DPF1M (if memory function is required) DP1C/DPT/DPF1C (if memory function and display is required) or DPF1D (if display is required).

Electrical connection of the DL5/DL6 system

The DESKLINE® DL5/DL6 system is to be connected as shown in Figure 4. Each DL5/DL6 is to be connected to the sockets on the control box by means of the motor cables, which have a 6-pin plug on each end. Finally, the main power cable is to be mounted and power switched on.

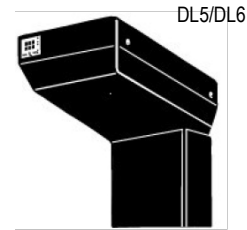👆 Please note that the control box must only be connected to the voltage stated on the label.
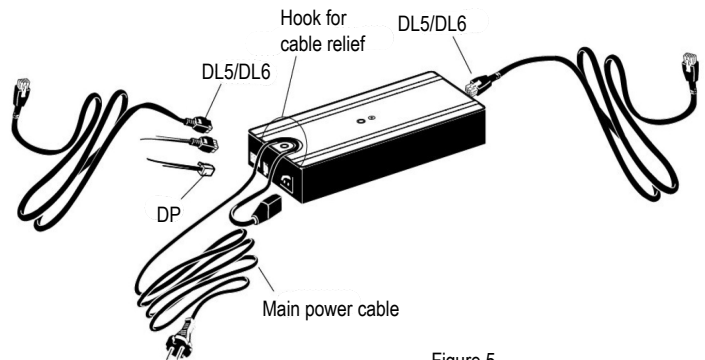

Figure 4

Figure 5

Anti-Collision™

The function (anti-collision) is an option for the standard CBD6S (SMPS) control box. A system with anti-collision can limit material damages on a desk if a collision with a solid object should occur.

Enabling the anti-collision

To enable the anti-collision function a little plug called a dongle must be mounted in one of the 2 control ports. The function is only active when the dongle is mounted. - If you remove the dongle again you disable the function.

Method of operation

When the DL/DB's are running, the CBD6S (SMPS) monitors the current consumption on each channel using a special algorithm. If the current consumption on one channel is increased more than a predefined slope, a collision is assumed and all channels are stopped immediately and all DL/DB's will start to run in the opposite direction (approx. 50 mm). This return drive is done automatically and continues with or without any control key pressed (for max. 2.5 sec.).

The anti-collision sensitivity is different in upward and downward direction. Upwards the force is approx. 20 kg. Downwards the load will be approx. 40 kg + the load on the DL/DB (the desk + what is on top of the desk). The 40 kg are needed to activate the anti-collision function.

Situations where the anti-collision does not work

There are situations where the anti-collision will not be activated. These situations are:
*   If the collision happens during the initialisation phase
*   If the collision happens within the first 1000 msec or after the control button has been released
*   If the collision happens between the floor and the table and the load on the desk + the weight of the legs are lower than 40 kg
*   If the collision happens over too long time, e.g. if the collision is with a soft object.

Symptom	Problem	Solution
Worksurface will not operate	Loss of power	Be sure control box is plugged into a live circuit.
	Loose electrical connections	Make sure all electrical connections are securely plugged into the control box. See wiring diagram on p.10 for reference.
	Object encountered under the lectern worksurface	1. Raise the worksurface by pressing the "up" button. 2. Remove any items under the lectern worksurface. 3. Reset the lift mechanism (see below for procedure.)
	Misaligned actuators due to unbalanced loads	**Solution #1** 1. Unplug, then re-plug the power cord into a wall outlet. 2. Make sure all lift mechanism wire connections are in place and secure. 3. Remove <u>anything</u> located under the lectern worksurface. 4. Press and hold the "Down" button to lower the worksurface to the lowest position until it stops moving. 5. Release the "Down" button. **Note: If the worksurface does not lower when doing this step, release the "Down" button, and retry steps 1-5.** 6. Release the "Down" button. The lift mechanism has now been reset and the worksurface can be adjusted normally. **Solution #2** 1. Detach <u>one</u> of the actuators from the worksurface. 2. Lower the lectern all the way down. 3. Re-attach the actuator to the worksurface.

⚠ **WARNING** ⚠

Be sure the lectern movement does not interfere with objects or people. Do not place <u>any</u> items under the lectern worksurface.

Note: Not designed to be permanently anchored to the floor. Optional glides are available if a stationary lectern is needed.

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We expressly warrant that Spectrum products will be of good quality and workmanship and free from defect for the period set out in the warranty table below from the date of delivery. This warranty shall not apply to defects or damage resulting from misuse, abuse, neglect, improper care, modification or repair not authorized by Spectrum, or any other cause outside the control of Spectrum. Spectrum will, at its sole option, either repair or replace the defective product.

This warranty is exclusive; no other warranty, written or oral, is expressed or implied. This warranty is given by Spectrum to Buyer and to no other person or legal entity. No Spectrum dealer, distributor, agent or employee is authorized to make any modification or addition to this warranty.

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Our Customer Service Department is ready to provide immediate attention to any questions, comments or concerns. They are available to answer your calls Monday through Friday from 7 am to 5 pm CST. In addition your product comments or concerns are welcome via e-mail at: spectrum@spectrumfurniture.com.

Warranty Table

Item	Warranty Period effective 1/1/2015
Adjustable Crank / Electric Desk Legs	• 1 Year
Flat Panel Desk Gas Cylinders	
Chairs • Adjustable Height Chair Parts – including frames, gas cylinders, wood and plastic parts, control handles, casters • Adjustable Height Chair Upholstery • In-Stock Upholstery • Graded-In Fabrics and Customer Owned Material	• 7 Years • 2 Years • 2 Years • No Warranty
Height Adjustable Columns and Lifts	• 1 Year
General Use Casters	
Electrical (including timers and LINAK actuators)	• 2 Years
Keyboard / Mouse Trays	• 1 Year
Flat Panel Monitor Arms • Flat Panel Monitor Arm – General Parts • Flat Panel Monitor Arm – Gas Cylinders	• 5 Years • 2 Years
Desks and Lecterns • Computer Desk Chassis • Cart Chassis • Lectern Chassis	• 10 Years

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