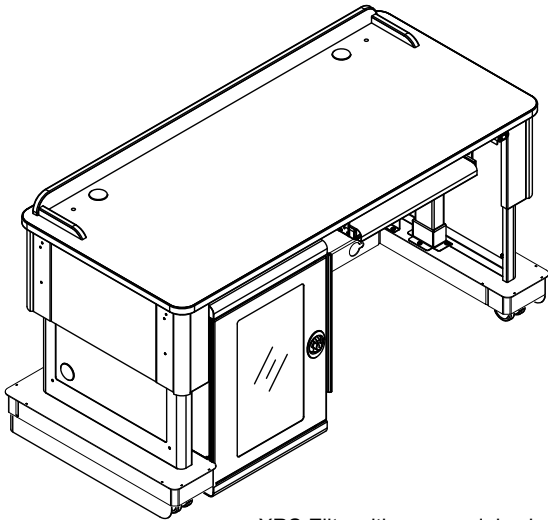
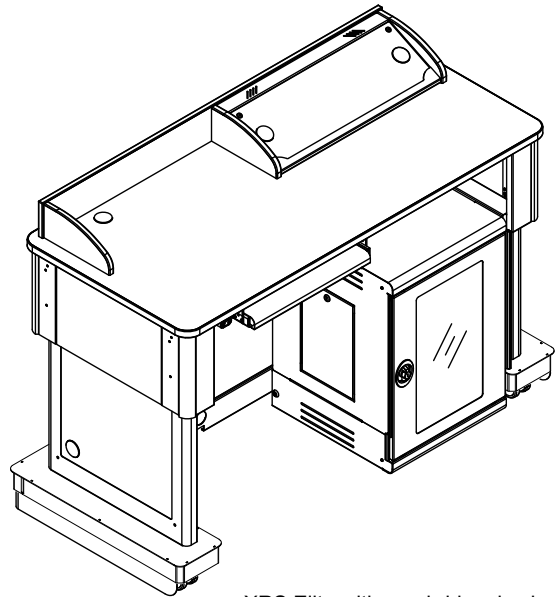


Freedom XRS Elite Lectern™

55289



XRS Elite with surround, keyboard tray, and rack cabinet installed on left (shown retracted)



XRS Elite with overbridge, keyboard tray, and rack cabinet installed on right (shown extended)

⚠ 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 - 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. Do not use harsh solvents or abrasives.
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.

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.

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.

CAUTION

Risk of Electric Shock. This unit may have multiple power cords. Unplug all 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

Note: The Freedom XRS Elite Lectern is not designed for use with cord reels or surface-mount cord reel accessories.

Note: CPU slings cannot be used with Freedom XRS Elite lecterns because of mounting and ADA-compliance considerations. If a CPU is necessary, it can and should be installed into the rack cabinet using a rack-mount shelf. See spectrumfurniture.com for rack-mount accessories.

 **Use caution when raising or lowering lectern!**

CAUTION

Always unplug lectern before working under the work-surface or inside rack cabinet. Do not place anything under worksurface when operating lift. Use caution when raising or lowering the worksurface!

1. Unloading lectern

Note: Upon receiving lectern, inspect packaging for damage. To report information regarding damages, please call 1-800-235-1262 within 5 days of receipt.

Tools
Required



Utility knife

1. Cut and remove banding using a utility knife, scissor, or other cutting tool.
2. Remove steel corners by removing screws using Phillips screwdriver.
3. Open top of box by unfolding flaps.
4. Remove plywood ramp from package. Place on floor next to the pallet. **Figure 1.** This will be used to unload the lectern off the pallet.
5. Remove cardboard sleeve by lifting it up and over the lectern.
6. Remove protective shrink-wrap from lectern using a utility knife, scissor, or other tool. Be careful not to damage the lectern when cutting shrink-wrap
7. Remove Styrofoam corner blocks.
8. Using ramp, carefully lower the lectern off the pallet onto the floor.

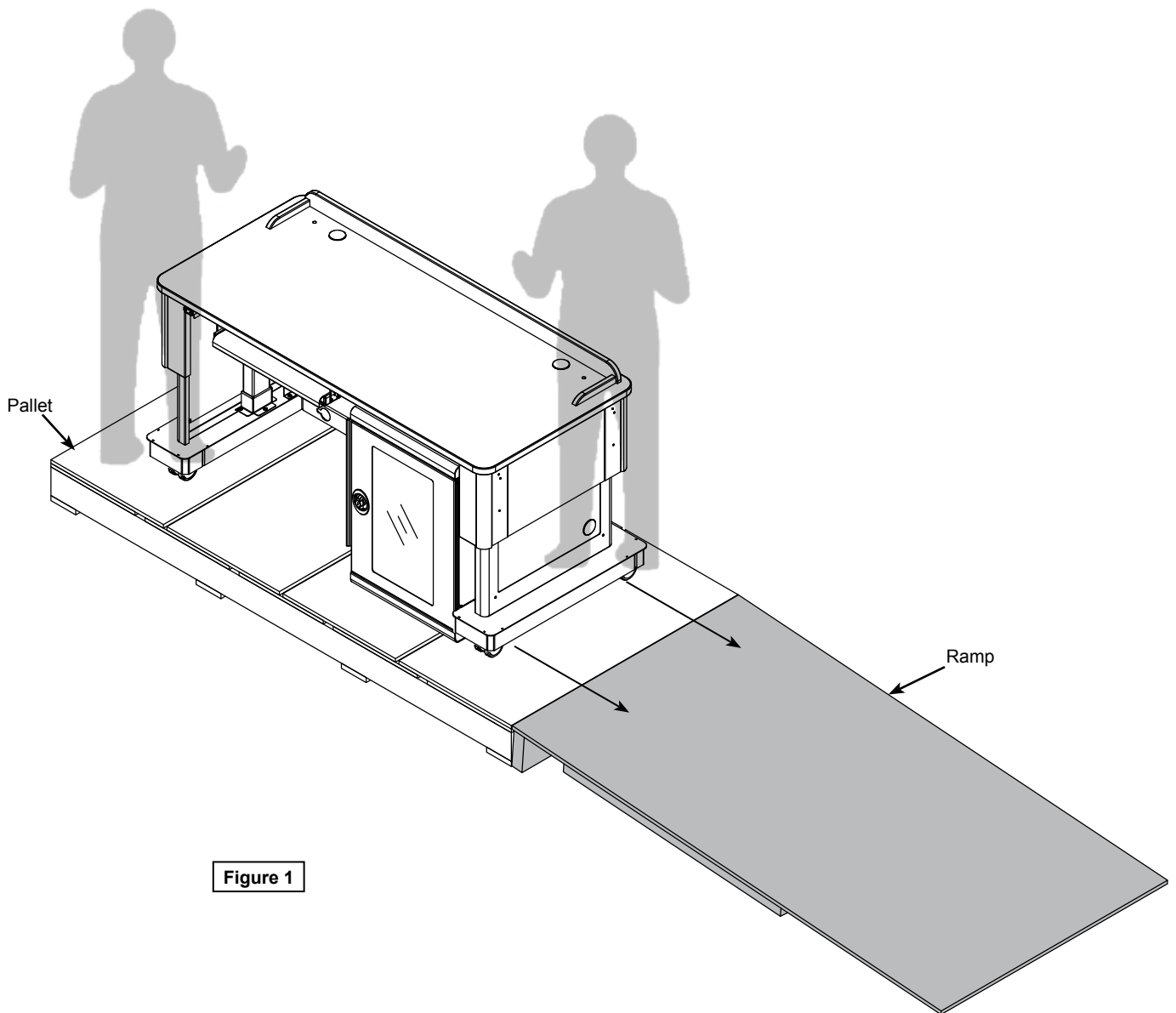


Figure 1

2. 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.

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 32.5”H (*minimum*) to 40”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.

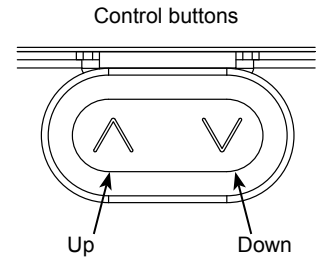


Figure 2.1

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

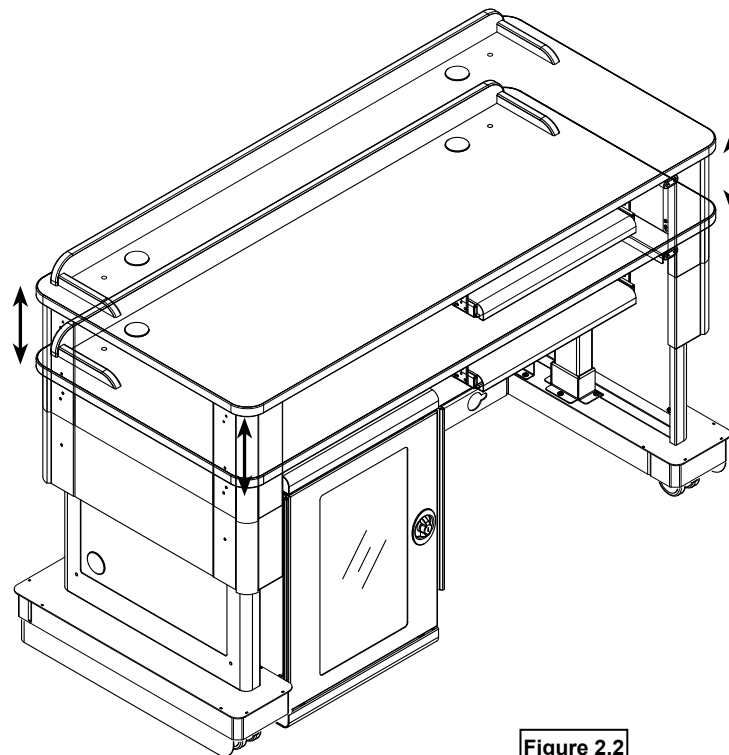


Figure 2.2

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!**

3. Install 3-piece skirt

Note: The skirt has been designed to be installed tool-free with the lectern upright. **Do not tip the lectern to install.**

The skirt should be removed when the lectern will be moved over long distances or thresholds to prevent damage to the skirt panels.

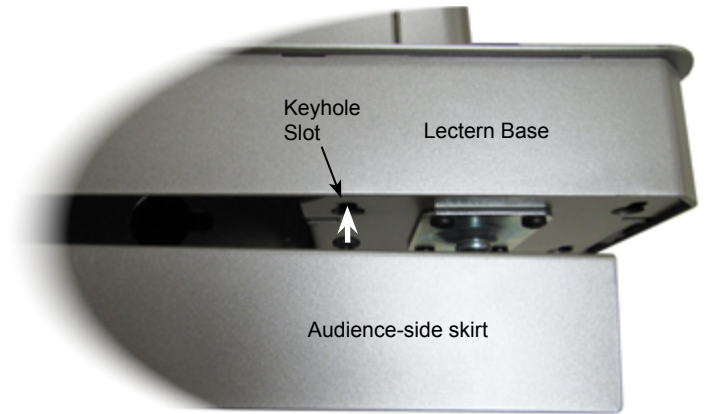


Figure 3.1

1 From the audience-side of the lectern, position the audience-side skirt as shown and hook the (2) pre-installed screws into the (2) keyhole slots in the lectern base. **Figure 3.1, 3.2.**

2 Pull the audience-side skirt back (toward audience) to lock the screws into the keyhole slots. **Figure 3.2.**

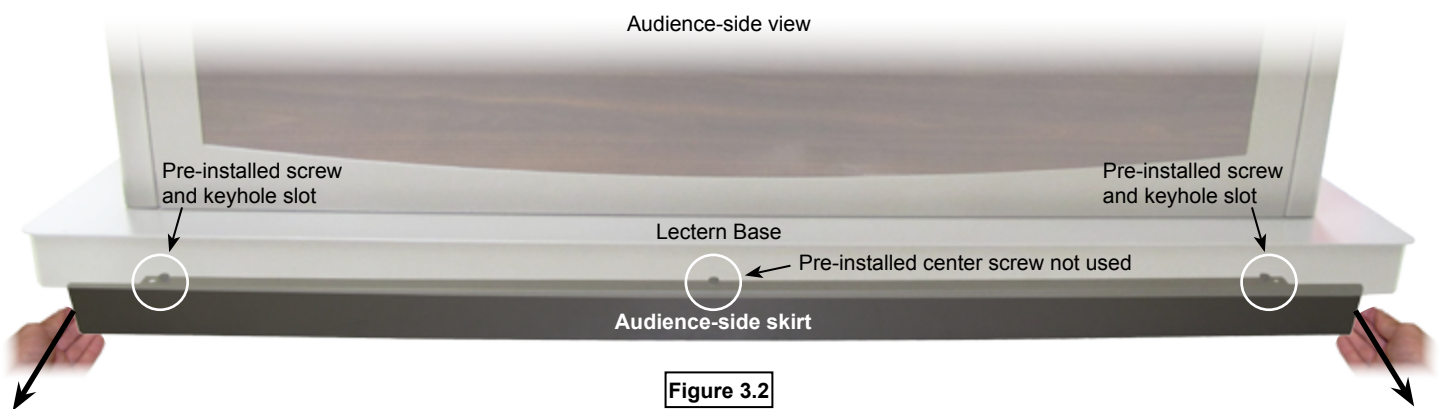


Figure 3.2

3 Position each side skirt as shown and hook the (2) pre-installed screws into the (2) keyhole slots and move toward the audience-side to lock in place. The short flat skirt edge should contact the audience-side skirt, and it should be level with the floor. **Figure 3.3.**

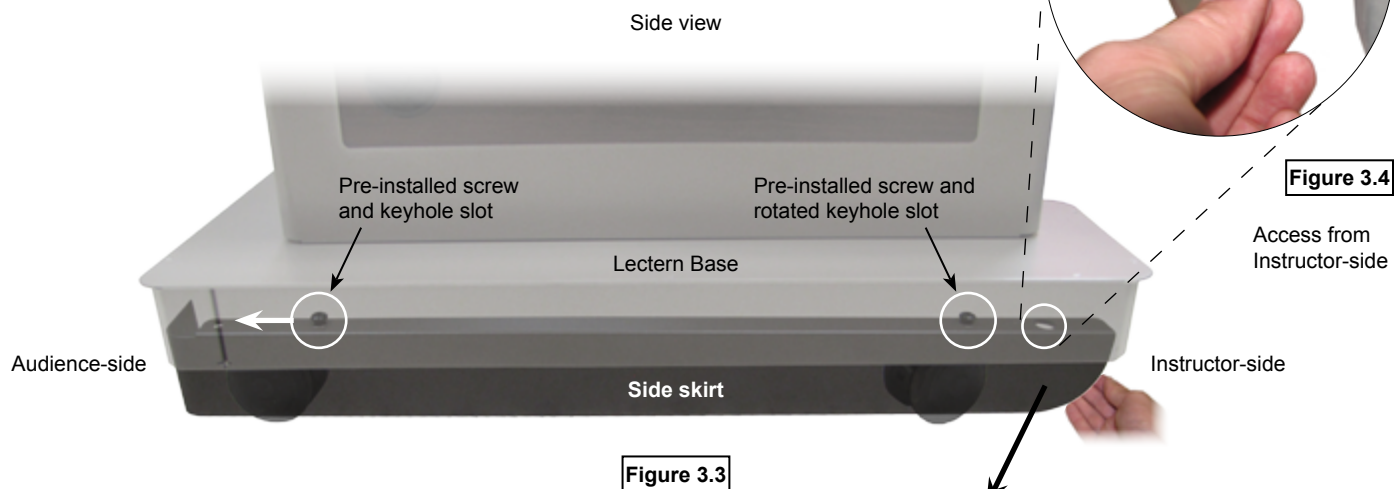


Figure 3.4

Access from Instructor-side

Figure 3.3

4 Pull the instructor-side of the skirt back at an angle to lock the screw into the rotated keyhole slot. The side skirt should now be parallel with the lectern base. **Figure 3.3.** Install the magnet as shown to secure side skirt. **Figure 3.4.** The magnet needs to be fully-seated and contacting the lectern base.

Pull side skirt here to lock into the rotated keyhole slot

Rack Cabinet - optional

The removable rack cabinet (14RU front, 10RU rear) simplifies installation and provides the ability to integrate equipment remotely, and docked into the lectern at a later date. **Figure 4.1.**

Detaching Cabinet

1. To detach the rack cabinet from the lectern, unlock the cabinet lock pawl near the floor. **Figure 4.2.**
2. Slide the cabinet toward the center of the lectern to release the cabinet from the keyhole slots.

Docking Cabinet

1. To secure the rack cabinet to the lectern, position the cabinet on the left, or right-side of the lectern.
2. Engage the keyhole slots and slide the cabinet toward the outside leg of the lectern to secure.
3. Lock the cabinet lock pawl near the floor.

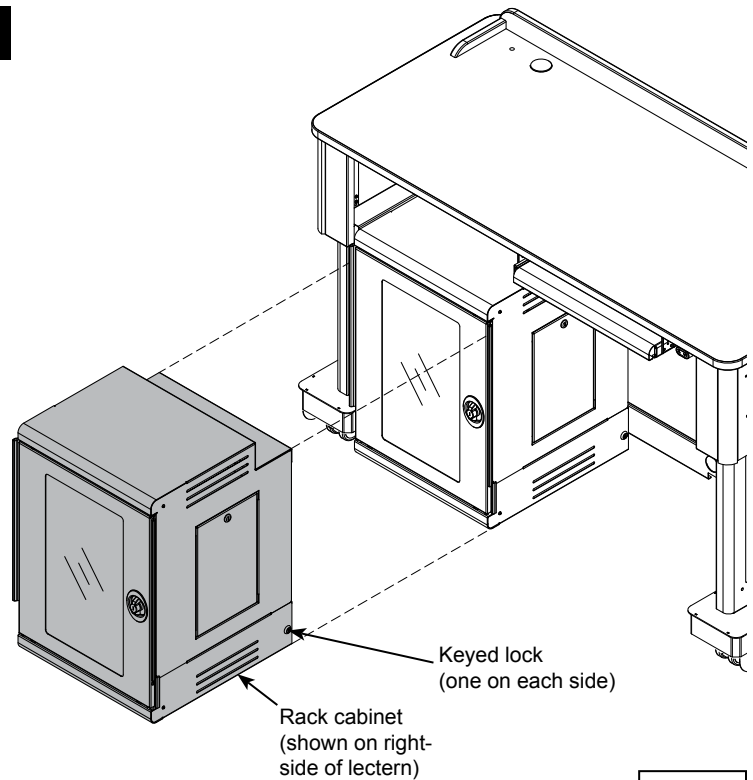


Figure 4.1

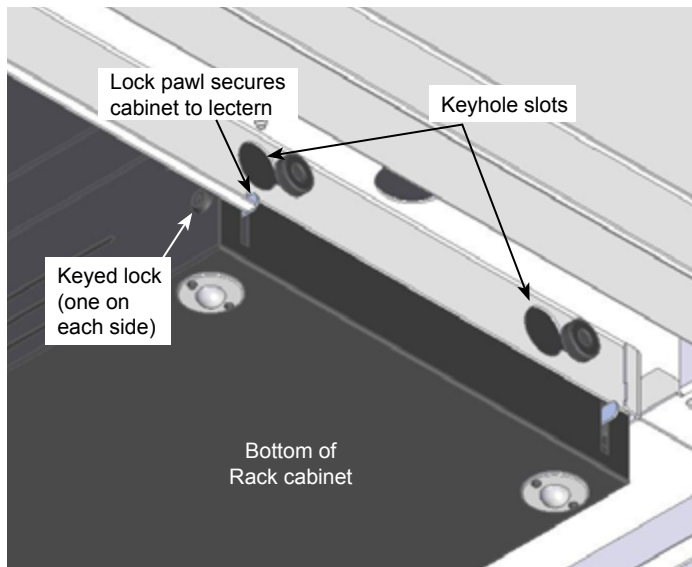


Figure 4.2

Quick-Release Door

The symmetrical door can easily be removed or switched to be hinged from left or right using the quick-release hinge lever located on the door. **Figure 4.3.** The nylon washer needs to be located on the bottom of the door.

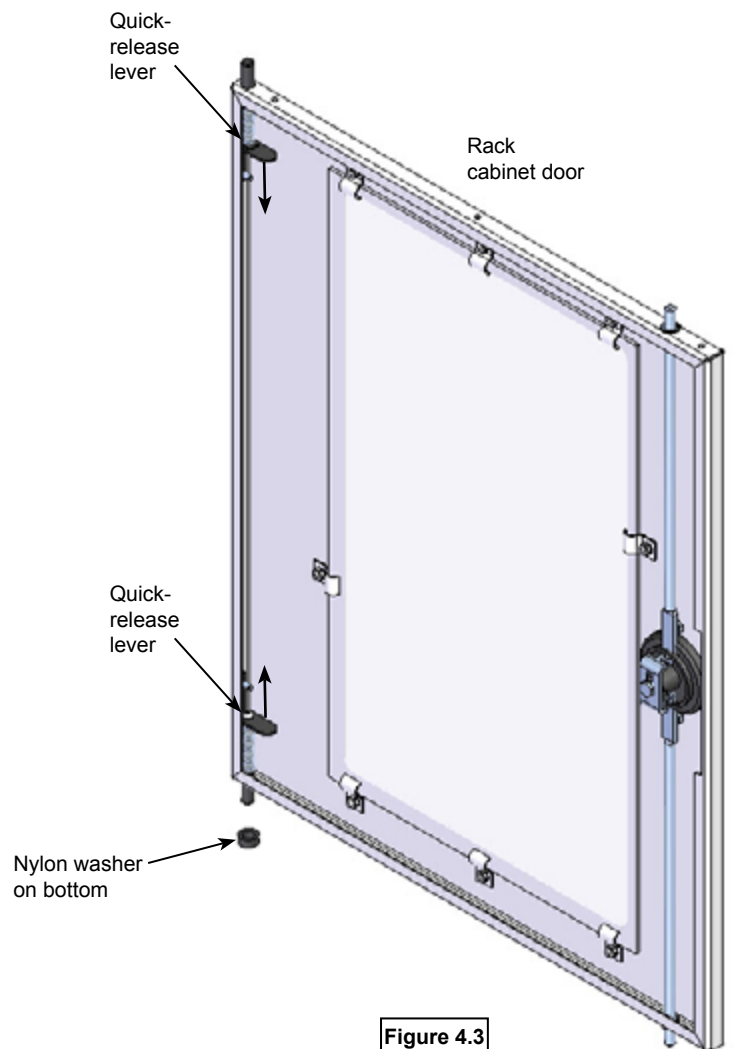


Figure 4.3

Flip-up shelf installation & operation - optional



1. Extend the lectern fully to its highest position and determine which side you prefer to mount the shelf.
2. Extend each shelf bracket to by depressing the release lever and lifting until it locks into the 90° position. **Figure 5.1.**
3. Install the (4) lower 8-32 x 3/8" PHM screws into the side panel leaving about 1/4" of threads exposed.
4. Set the shelf assembly onto the (4) lower screws using the notched brackets.
5. Secure the shelf assembly by installing the (4) upper 8-32 x 3/8" PHM screws.
6. Tighten all screws securely.



Operation

The shelf will automatically lock into place when lifted into the horizontal position with the levers released. **Figure 5.2.** To lower or flip-up the shelf, press and hold the shelf bracket levers while slowly lowering or raising the shelf. Do not move the lectern while the shelf is in the horizontal position.

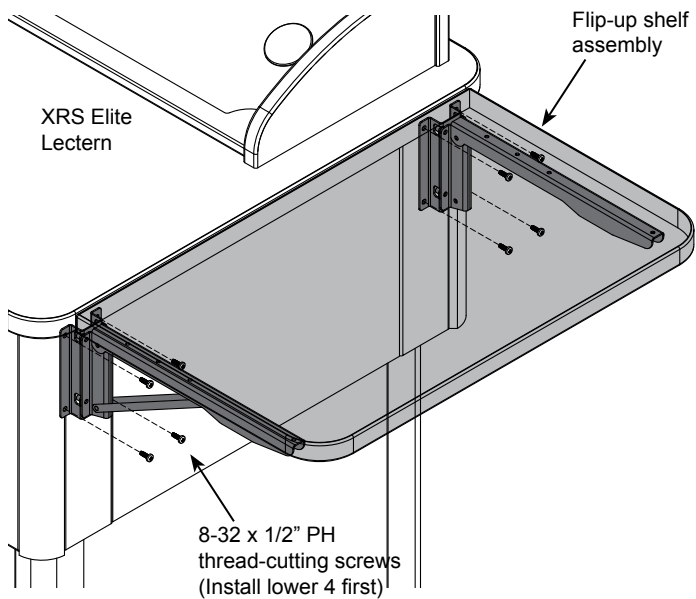


Figure 5.1

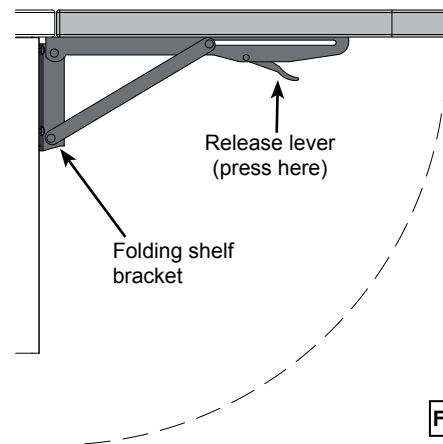
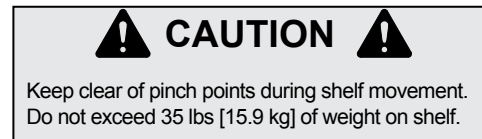


Figure 5.2

Overbridge insert panel - optional

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 6.1.**
2. To make cutouts in the insert panel [optional]:
 - A. 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 6.2, 6.3. See specifications for cutout clearances.**
 - B. Locate and mark the exact cutout area(s) on the panel.
Note: Using masking tape on cut lines will minimize laminate chipping while cutting.
 - C. 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.

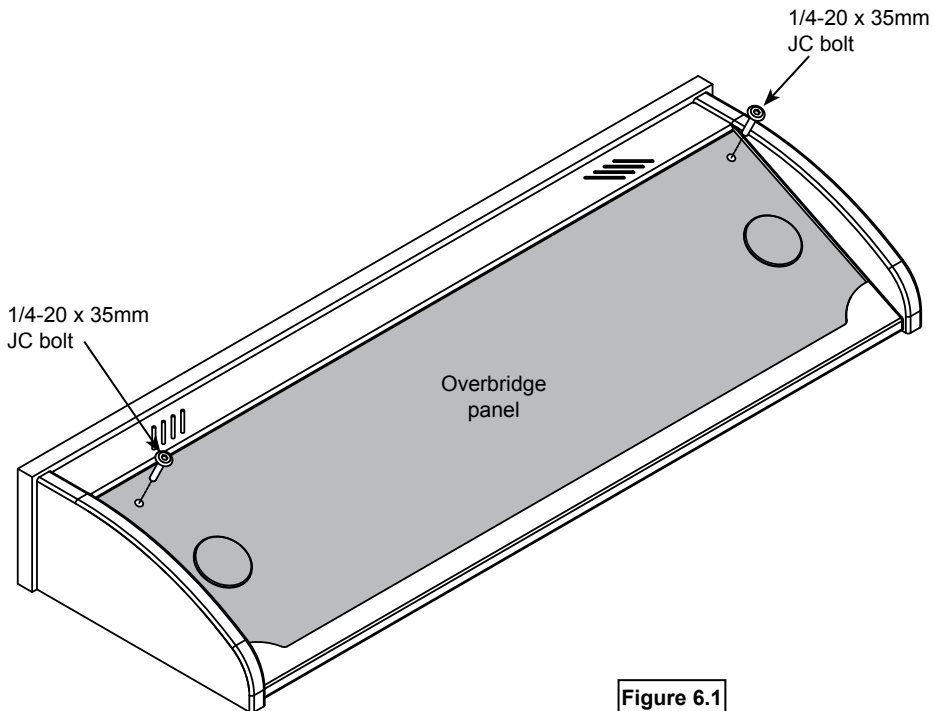
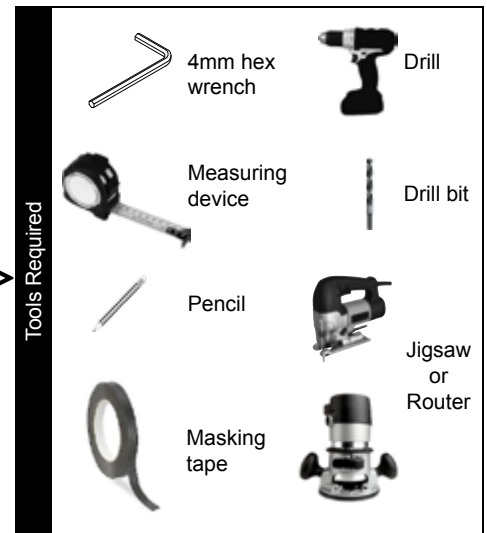


Figure 6.1



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.

Freedom XRS Elite Lectern overbridge insert panel blank
(flat view)

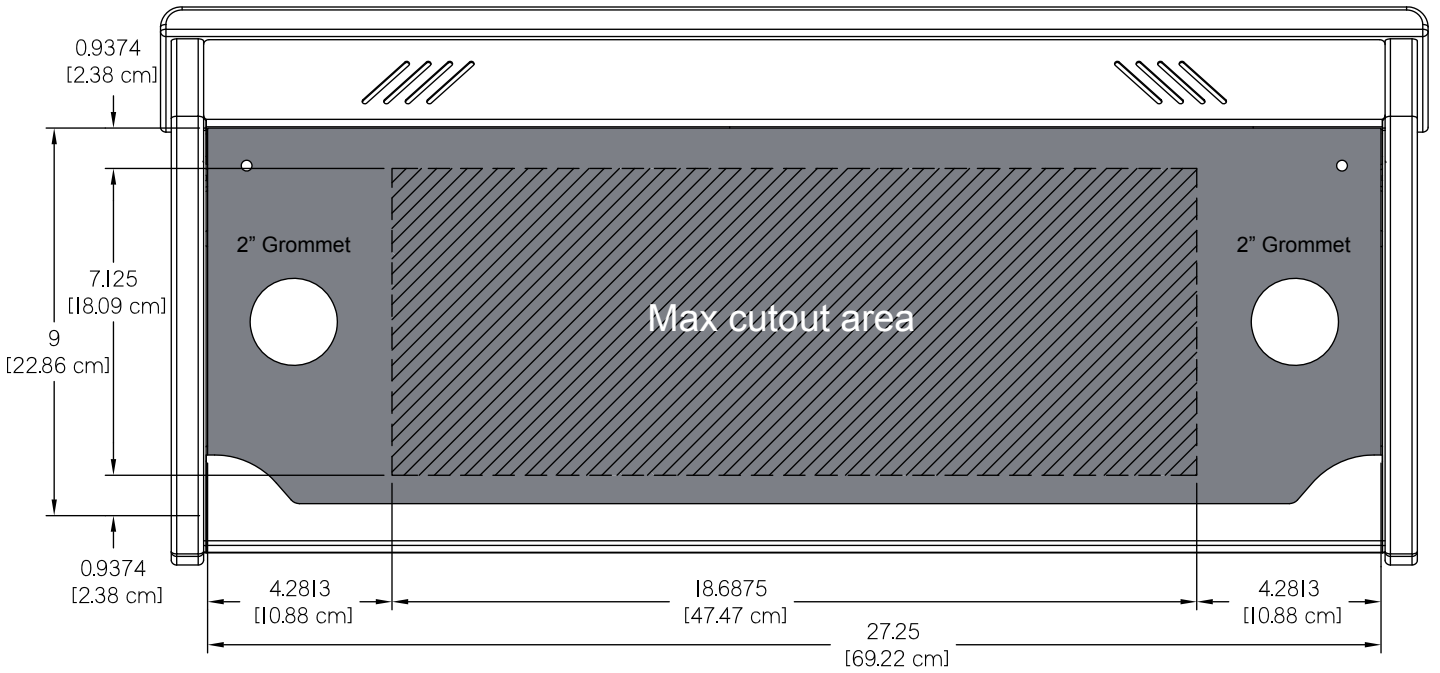


Figure 6.2

Note: The Overbridge Control Console™ has been designed for many of the currently available controllers on the market, however, modified cutouts should be reviewed by Spectrum to ensure clearance of brackets, keyboard slides, or other objects under the worksurface.

Contact Spectrum to specify cutout size(s) and location(s).

Cutouts can be made in the blank insert panel by the customer after the lectern has been purchased, but are only recommended within the cutout area shown.

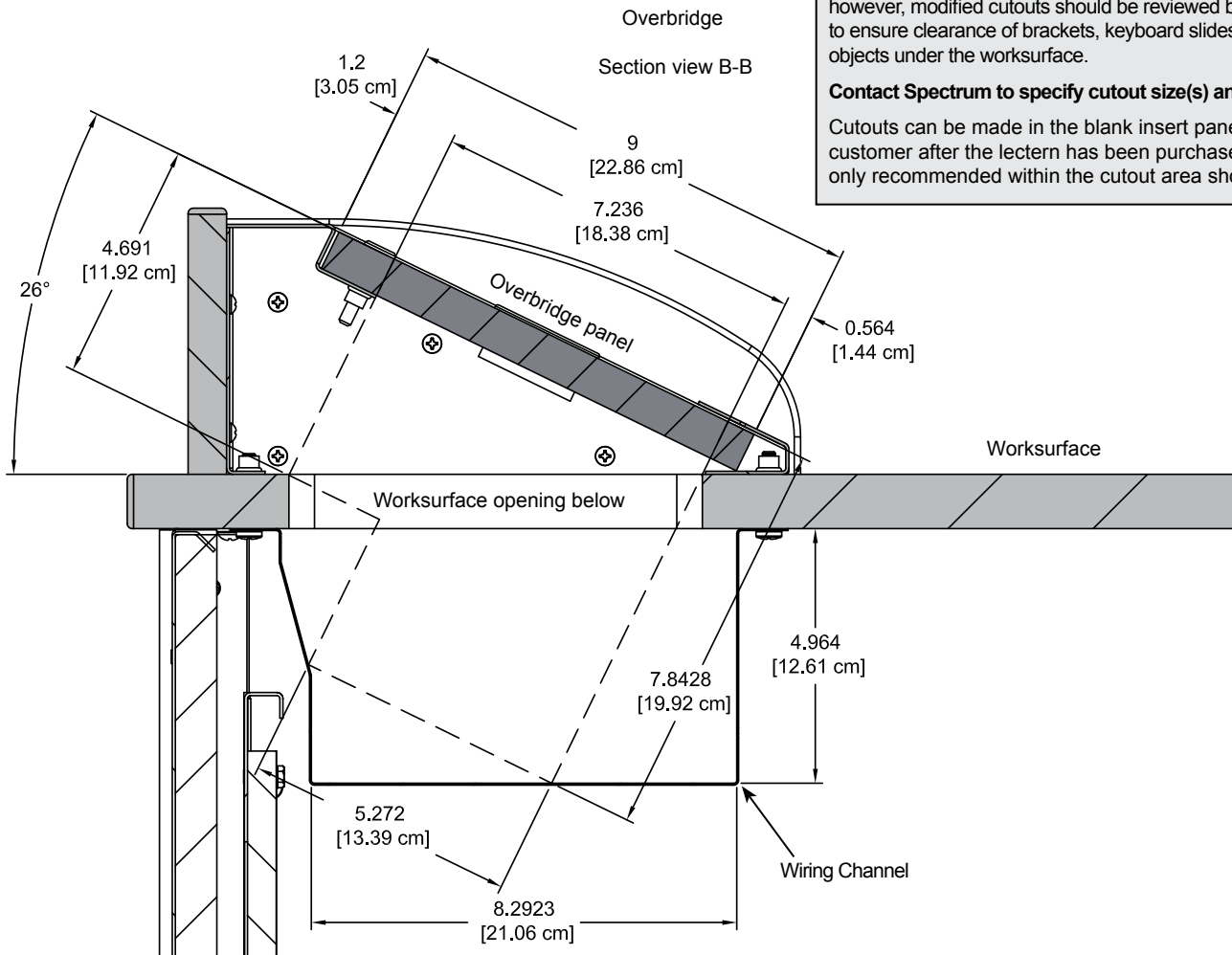


Figure 6.3

Wiring Diagram

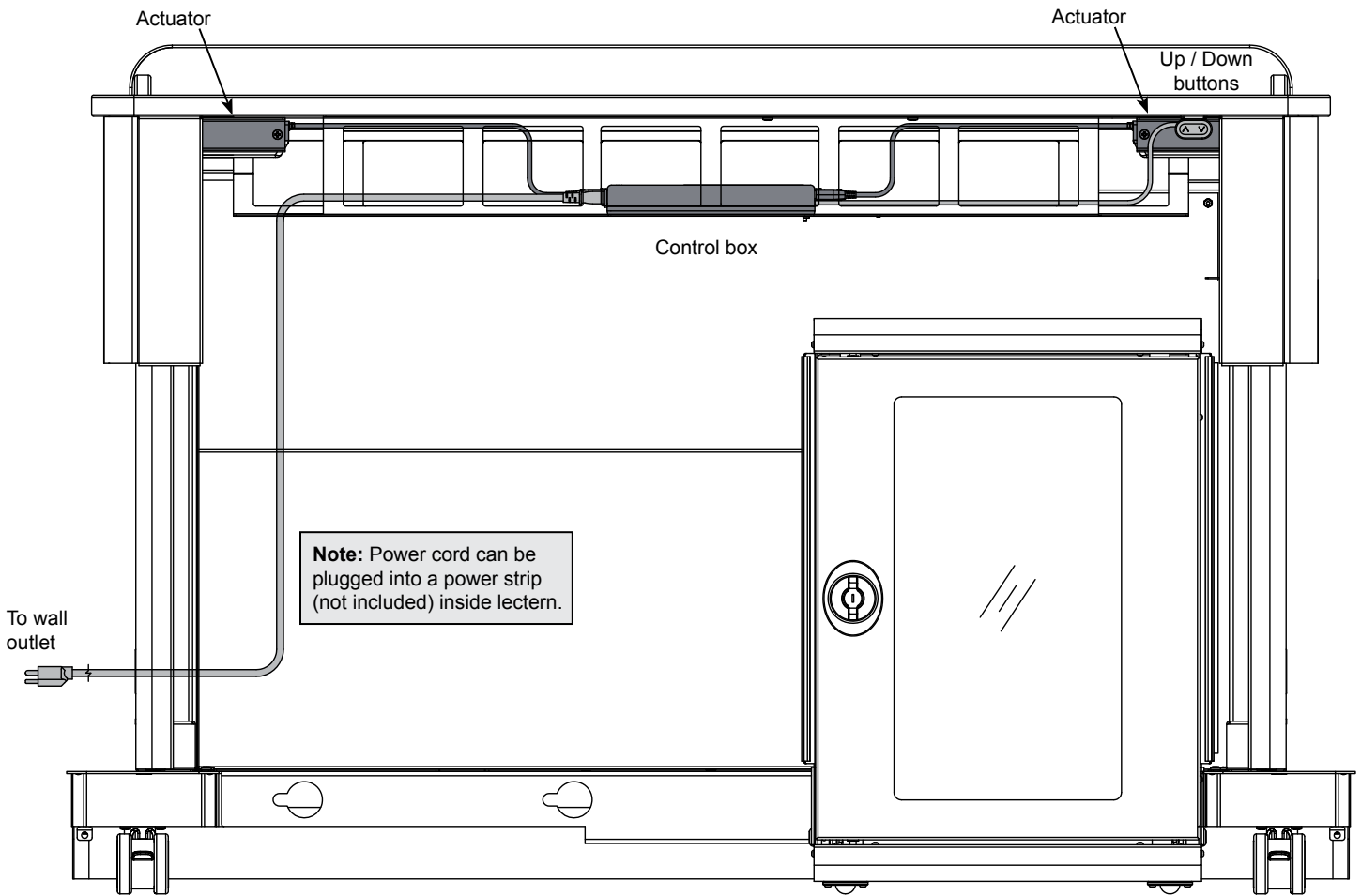


Figure 7.1

Note: A separate power strip is recommended (not included) to plug the control box and other power plugs into. The power strip can be located in the cord channel or lower side of the lectern, and plugged into a wall outlet.

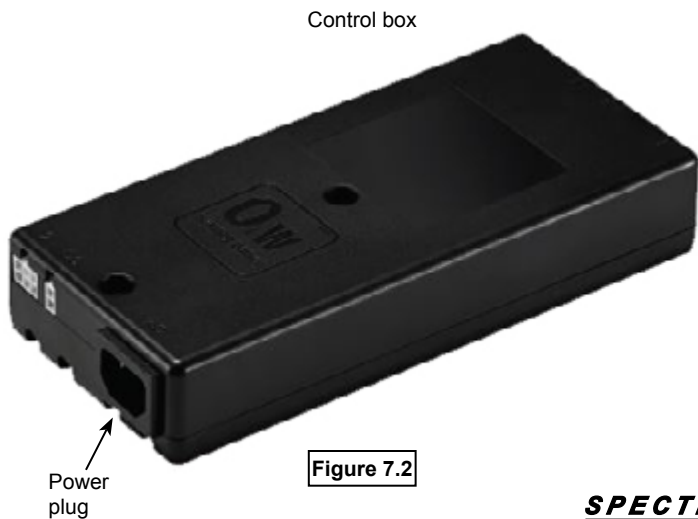


Figure 7.2

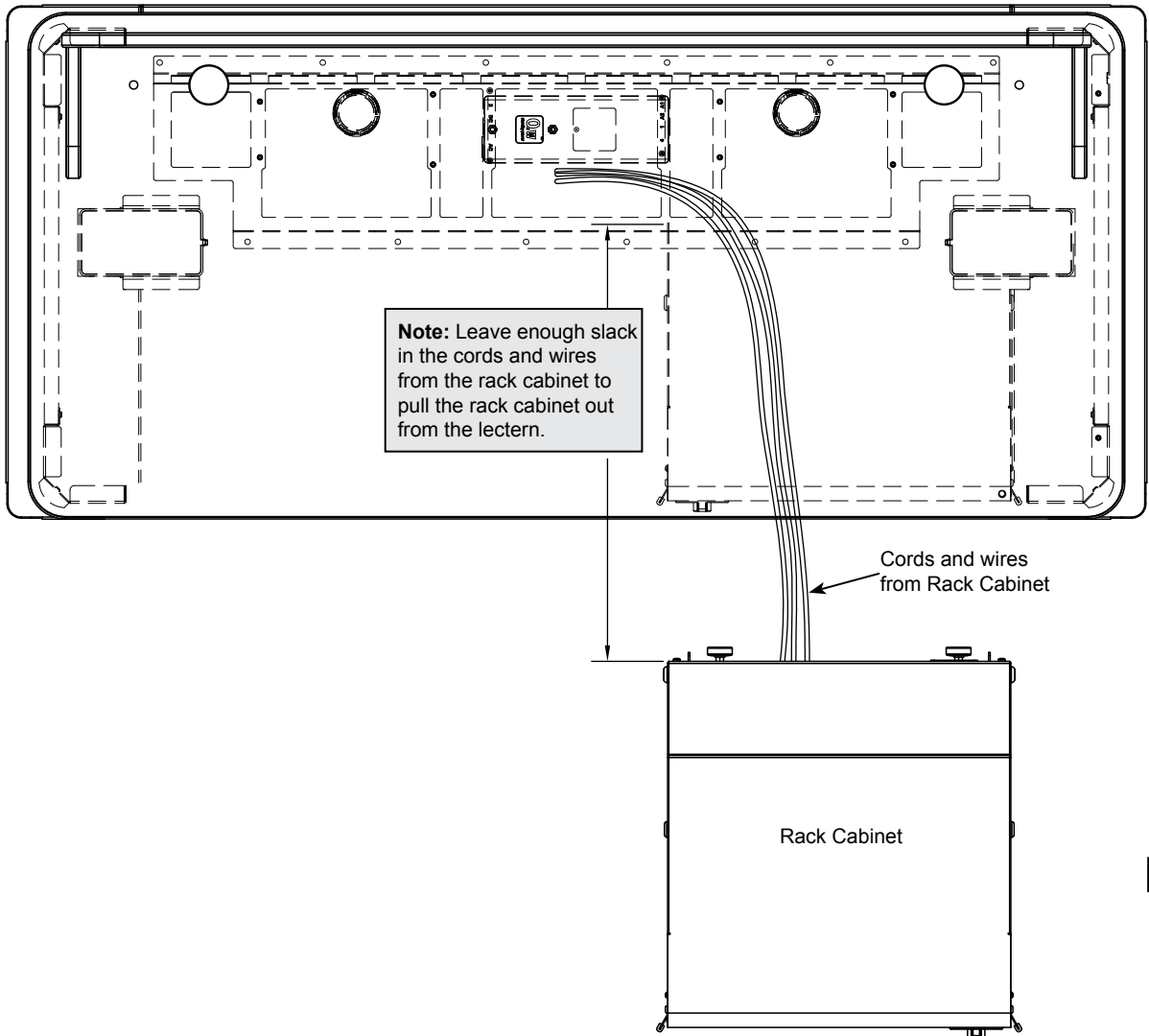


Figure 7.3

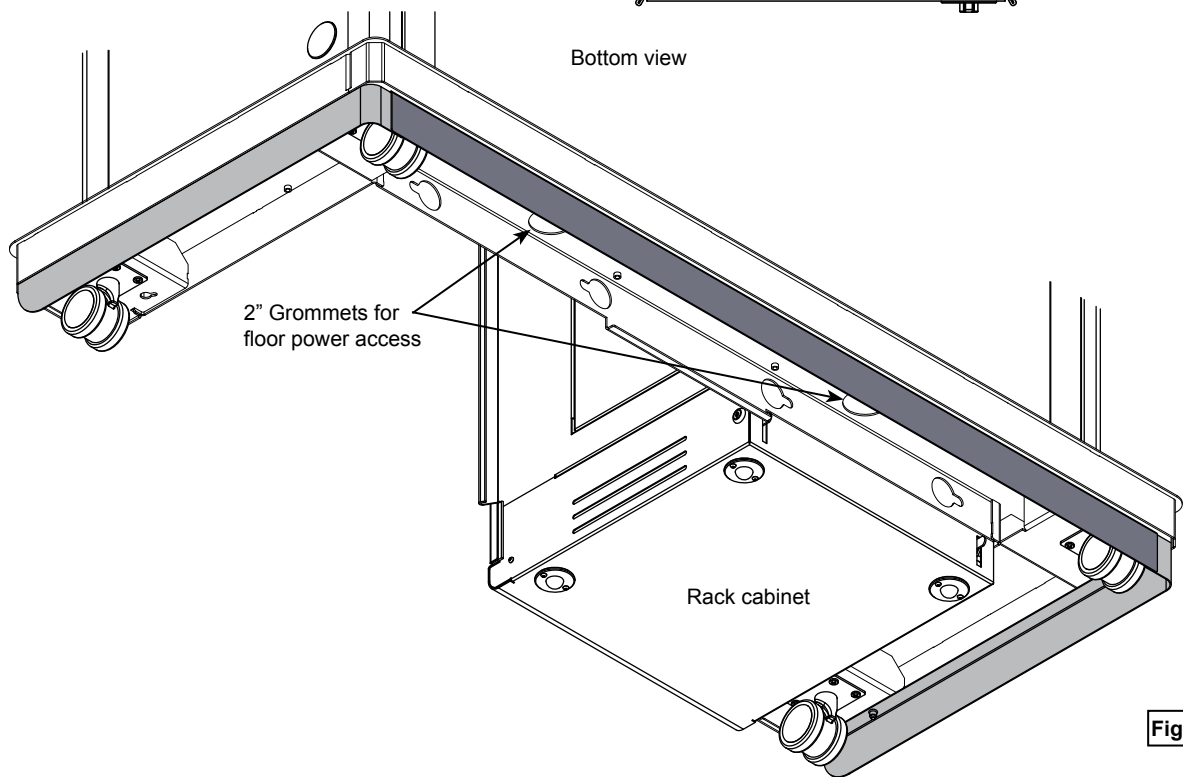


Figure 7.4

Caster operation

1. Lock the brake levers to lock movement of the casters.
(Two instructor-side casters only). **Figure 8**.
2. To resume operation, lift up on brake levers.

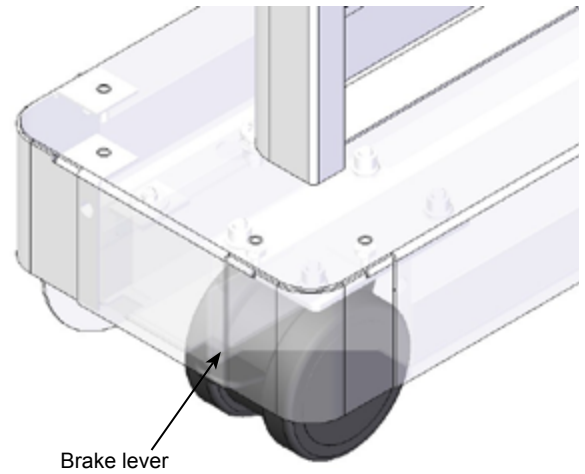
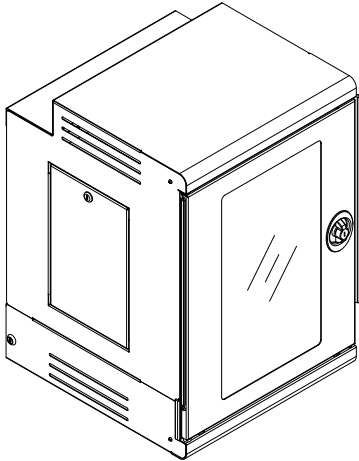


Figure 8

Note: The skirt should be removed when the lectern will be moved over long distances or thresholds to prevent damage to the skirt panels.

Moving and parking the lectern

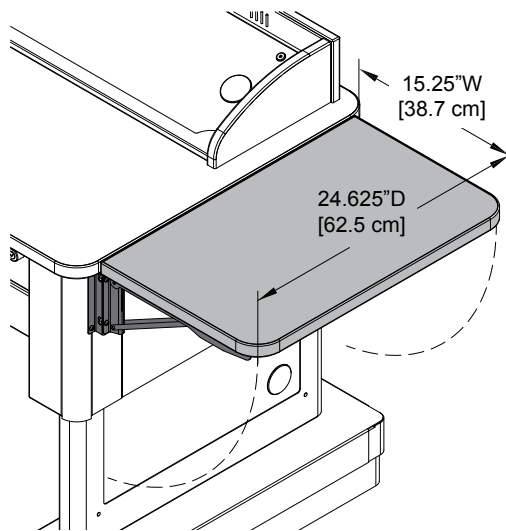
- Before moving, unplug and secure all power cords.
- Close and lock doors.
- Remove any items from the top of the worksurface.
- Unlock the casters.
- Push slowly and carefully. Do not move over uneven or irregular surfaces.
- Do not allow children to move.
- Lock the casters after moving.
- Do not 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.



Rack Cabinet - 55297

- One rack cabinet attaches to the left or right side of the XRS Elite Lectern (opposite keyboard tray and wiring panel)
- Locking door can be flipped to be hinged left or right
- Locking side hatches
- Open back
- Acrylic panel in door
- Roller glides under the cabinet provide easy repositioning for quick and easy access (not intended for long-range transport).
- Customer-installed

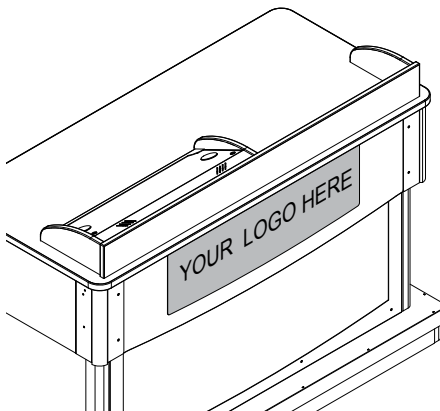
Front rack rail:	14RU
Rear rack rail:	10RU
Dimensions:	20.6"W [52.3 cm] x 27.3"D [69.3 cm] x 28.8"H [73.2 cm]
Shipping weight:	65 lb [29.5 kg]



Flip-up Shelf - 55333

- Shelf hinges lock into place in the upright position
- Shelf installs level with worksurface
- Mounts on left or right
- Available in matching, or White Chalk Dry Erase laminate

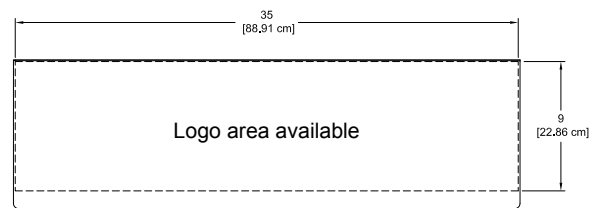
Dimensions:	15.25"W [38.7 cm] x 24.625"D [62.5 cm] x 1"H [2.54 cm]
Weight capacity:	35 lb [15.9 kg]
Shipping weight:	20 lb [9.1 kg]



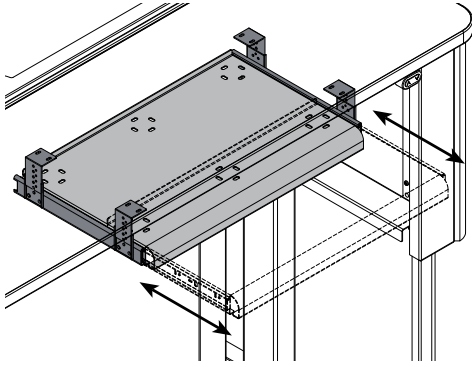
Customized Logo Panel - 55389

- Attaches to audience-side of lectern
- To get panel customized-contact Spectrum for details
- New logos require a first-time logo charge

Dimensions:	35.25"W [89.53 cm] x 9"H [22.86 cm]
Available logo area:	35"W [88.91 cm] x 9"H [22.86 cm]



Keyboard Tray - 55334

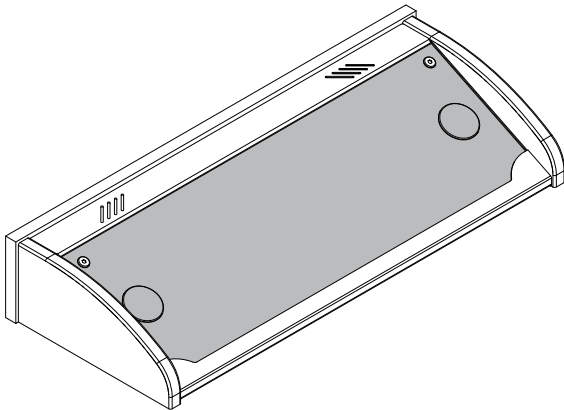


- Installed in left or right position (opposite rack cabinet) using pre-drilled holes
- Tray can be installed and used as a keyboard tray or flipped and used as a storage drawer using pre-drilled mounting holes under the worksurface.
- Wire management slots in tray
- Max 1 tray per Freedom XRS Elite
- Customer-installed

Slides:	Pull out 8" [20.3 cm]
Height-adjustability:	1" [2.54 cm] - 2.375" [6 cm]
Weight capacity:	25 lb [11.4 kg]
Dimensions:	20"W [50.8 cm] x 12.5"D [31.8 cm] x 4"H [10.2 cm]
Shipping weight:	8.33 lb [3.8 kg]

Note: The keyboard tray protrudes 3.9" [10 cm] below the worksurface. If the lectern is used for ADA use, a higher adjusted worksurface is necessary to provide ADA leg clearance.

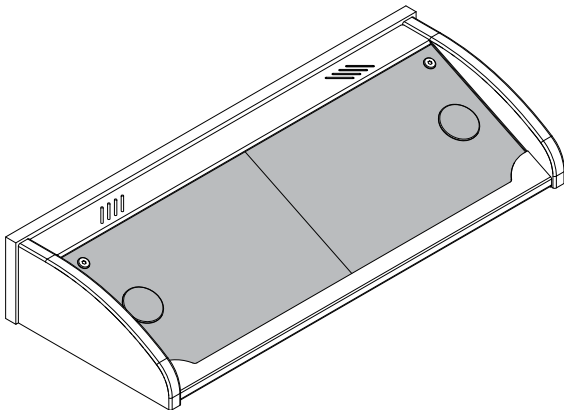
Insert panels are available to customers needing a replacement panel or different cutouts for technology upgrades.



Overbridge Insert Panel-Medium - 96504

- Panel for overbridge version only (overbridge not available separately)
- Contact Spectrum to specify cutout size(s) and position(s)
- Includes two 2" [5.08 cm] grommets with covers
- Customer-installed

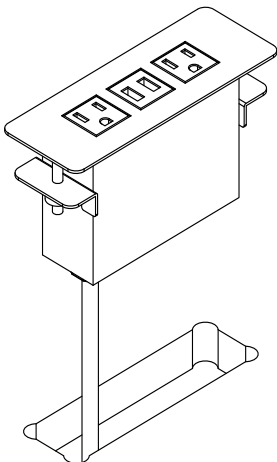
Dimensions:	27.25"W [69.2 cm] x 9"D [22.9 cm] x .79"H [2 cm]
Unit weight:	N/A
Shipping weight:	8.5 lb [3.9 kg]



Two-piece Overbridge Insert Panel-Medium - 96512

- Split panel for overbridge version only
- Contact Spectrum to specify cutout size(s) and position(s)
- Includes 2" [5.08 cm] grommets with covers
- Customer-installed

Dimensions:	13.625"W [34.6 cm] x 9"D [22.86 cm] x .79"H [2 cm]
Unit weight:	N/A
Shipping weight:	4.25 lb [1.9 kg]

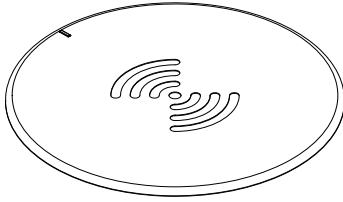


Power Module - 99058

- (2) AC power receptacles
- (2) USB charge ports
- Aluminum housing and flange
- Thumbscrew clamps
- Requires worksurface cutout
- ETL-certified
- Available in black, silver, or white
- Customer-installed



Cutout required:	5.65"W [14.35 cm] x 1.65"D [4.19 cm]
Power cord:	10' [305 cm] 14AWG *3C power cord
Power receptacles:	125V, 60hz, 15A tamper-resistant
USB charging ports:	2.1A (10.5W) (not data-compatible)
Dimensions:	6.38"W [16.2 cm] x 2.36"D [6 cm] x 3.54"H [9 cm]
Unit weight:	2 lb [.9 kg]
Shipping weight:	2.35 lb [1 kg]



EM Wireless Charging Pad - 99057

- Uses electromagnetic technology to charge Qi V1.2 compliant IC devices ("Qi" enabled)
- LED to confirm pairing / charging
- Security tab prevents theft
- Requires 3" round cutout to be made by customer
- UL-certified

Note: The unit requires a 7" diameter of clearance to work with Qi-enabled phones placed in any orientation. The 3" dia cutout should be located on the worksurface at least 3.5" from any edge.

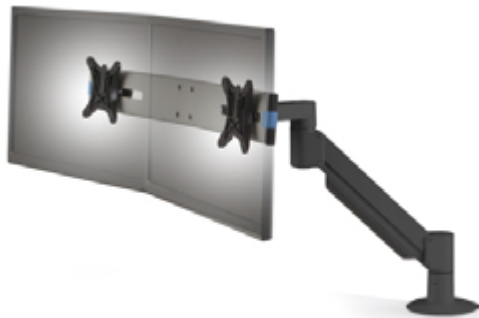
Cutout required:	3" dia (<i>by customer</i>)
Input:	DC 5V (<i>with included DC5V.2A power adapter</i>)
Output:	5W max (<i>with included DC5V.2A power adapter</i>)
Power cord:	8' [244 cm] with DC jack
Dimensions:	3.5" dia [8.9 cm] x 1.125"H [2.9 cm]
Shipping weight:	1 lb [.45 kg]



Flat Panel Monitor Arm

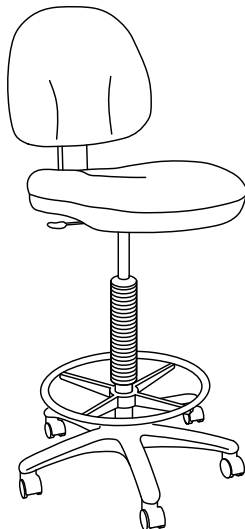
- 95512** - "Light-Duty" for monitors weighing 2-13 lb [.9-5.9 kg]
- 95522** - "Medium-Duty" for monitors weighing 7.5-25 lb [2.5-11.4 kg]
- 95509** - "Heavy-Duty" for monitors weighing 12-31 lb [5.4-14 kg]

- Six mounting options (clamp, thru-desk, wall, grommet hole, side bolt, reverse wall)
- Compatible with all VESA® monitors – includes 75mm and 100mm VESA® adapters
- Cable management concealed in arm



Dual Flat Panel Monitor Arm - 95533

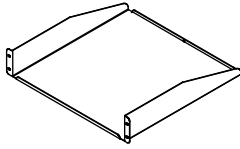
- Weight range: 3.5-13 lb [1.6-5.9 kg] per monitor
- Six mounting options (clamp, thru-desk, wall, grommet hole, side bolt, reverse wall)
- Compatible with all VESA® monitors – includes 75mm and 100mm VESA® adapters
- Cable management concealed in arm



Adjustable Drafting Stool - 38202

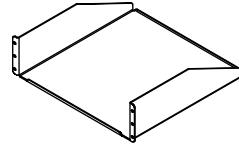
- 40-52" height-adjustment via pneumatic cylinder
- 360° swivel
- Tilting backrest
- 18" diameter fixed foot ring
- 5-star base

Rack-mount Accessories



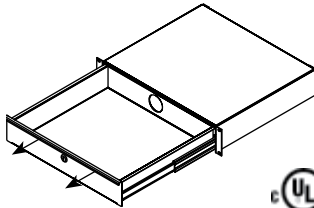
Cantilever Shelf - 2RU - 97504

- 16ga steel
- Shelf: 17.5"W [44.45 cm] x 18"D [45.7 cm] x 3.5"H [8.89 cm]
- Weight capacity: 50 lb [22.7 kg]
- Shipping weight: 8.1 lb [3.7 kg]



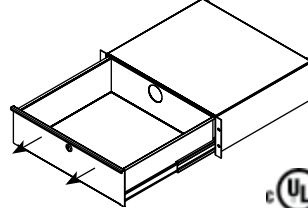
Cantilever Shelf - 3RU - 97502

- 16ga steel
- Shelf: 17.5"W [44.45 cm] x 18"D [45.7 cm] x 5.25"H [13.33 cm]
- Weight capacity: 80 lb [36.3 kg]
- Shipping weight: 9.2 lb [4.2 kg]



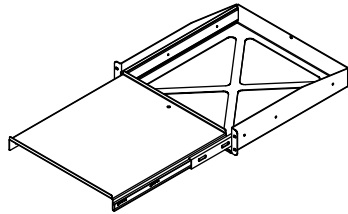
Locking Drawer - 2RU - 97523

- 16ga steel
- Drawer: 15.97"W [40.56 cm] x 14.56"D [36.98 cm] x 3"H [7.63 cm]
- Weight capacity: 50 lb [22.7 kg]
- Shipping weight: 15.85 lb [7.2 kg]



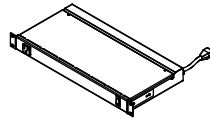
Locking Drawer - 3RU - 97522

- 16ga steel
- Drawer: 15.97"W [40.56 cm] x 14.56"D [36.98 cm] x 5.25"H [13.33 cm]
- Weight capacity: 50 lb [22.7 kg]
- Shipping weight: 18.5 lb [8.4 kg]



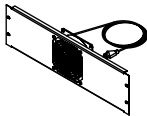
Pull-Out Shelf - 2RU - 97505

- 16ga steel
- 17.09"W [43.42 cm] x 18.12"D [46.03 cm] x 3.5"H [8.89 cm]
- Weight capacity: 50 lb [22.7 kg]
- Shipping weight: 15.6 lb [7.1 kg]



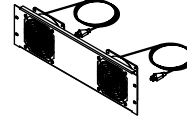
9-Outlet Power Strip - 1RU - 99021

- 8 outlets rear (breaker-protected)
- 1 convenience outlet front
- 115VAC, 60 Hz, 15 amps max
- 9' power cord
- Front LED power switch
- Enhanced surge protection
- ETL-listed, UL-listed
- 19"W [48.27 cm] x 9.25"D [23.5 cm] x 1.74"H [4.41 cm]
- Shipping weight: 8.7 lb [3.9 kg]



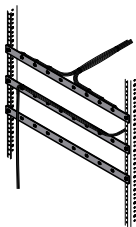
Single Fan - 3RU - 97507

- 50 cfm
- 120V~50/60 Hz, 15/13W
- RoHS
- 19"W [48.27 cm] x 1.56"D [3.97 cm] x 5.25"H [13.33 cm]
- Shipping weight: 3.78 lb [1.7 kg]



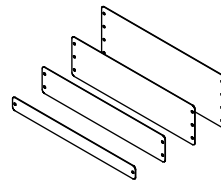
Double Fan - 3RU - 97506

- 100 cfm
- 120V~50/60 Hz, 15/13W
- RoHS
- 19"W [48.27 cm] x 1.56"D [3.97 cm] x 5.25"H [13.33 cm]
- Shipping weight: 5.47 lb [2.5 kg]



Wire Lace Kit - 95517

- Provides wire management
- Mounts to standard rack rails
- Includes (3) lace straps and mounting screws
- Includes (12) 5.5" zip ties
- Shipping weight: 1.25 lb [.57 kg]



Rack-Mount Blanks

- 1RU - 97510** **3RU - 97512**
- 2RU - 97511** **4RU - 97513**

- Fills rack spaces where components are not needed
- 16 ga steel
- Shipping weight: <1 lb [.45 kg]

Electric actuator information

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

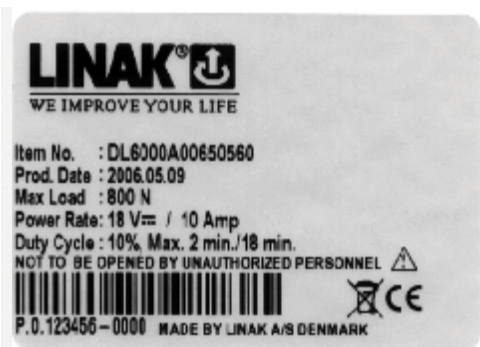
- If the control box makes unusual noise or smells, switch off the mains voltage immediately.
- Take care that the cables are not damaged.
- Unplug the mains cable on mobile equipment before it is moved.
- The products must only be used in an environment, that corresponds to their IP protection.

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/desklina

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 environments 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

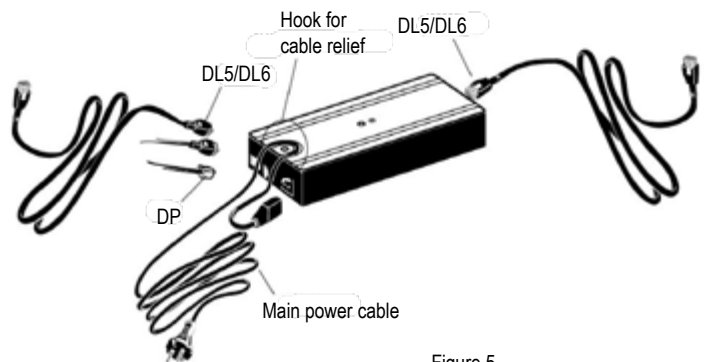


Figure 5

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.

Freedom XRS Elite Troubleshooting Guide

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.9 for reference.
	Object encountered under the lectern worksurface	<ol style="list-style-type: none"> 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	<p style="text-align: center;">Reset Procedure</p> <ol style="list-style-type: none"> 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 worksurface. 4. Press and hold the "Down" button to lower the worksurface to the lowest "work" position until it stops moving. 5. Release the "Down" button. 6. Press and hold the "Down" button for 30 seconds. The worksurface will lower, bottom-out, slightly rises, then stop moving. The worksurface must be completely lowered before resuming operation. <p>Note: If the worksurface does not lower when doing this step, release the "Down" button, and retry step 6.</p> <ol style="list-style-type: none"> 7. Release the "Down" button. The lift mechanism has now been reset and the worksurface can be adjusted normally.


WARNING


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

Warranty

We will make it right for you!

Spectrum is committed to provide complete customer satisfaction. Each of our products is manufactured from the best materials available and each product is stringently monitored throughout the production process through our Quality Management System.

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 normal wear and tear, misuse, or unintended use, failure to follow instructions related to the product's installation or intended use, 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 or Buyer third party end user and to no other person or legal entity. No Spectrum dealer, distributor, partner, reseller, agent or employee is authorized to make any modification or addition to this warranty.

NOTWITHSTANDING ANYTHING TO THE CONTRARY, SPECTRUM WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE FOR INDIRECT OR LIQUIDATED DAMAGES, INCLUDING CONSEQUENTIAL, INCIDENTAL AND SPECIAL DAMAGES. IN NO EVENT SHALL SPECTRUM'S LIABILITY, WHETHER UNDER CONTRACT OR WARRANTY, IN TORT OR OTHERWISE, EXCEED THE PURCHASE PRICE RECEIVED BY SPECTRUM FOR THE PRODUCT AT ISSUE AND "RECALL ACTION" EXPENSES. SPECTRUM SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW, WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY SPECTRUM, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATING THERETO.

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
Desk, table, cart and lectern chassis	10 Years
Electrical	2 Years
Flat panel monitor arms / gas spring / general parts	2 Years
Adjustable crank / electric legs and accessories	2 Years
Flat panel desk gas spring cylinders	2 Years
Height adjustable columns, lifts & accessories	2 Years
Casters & wheels	2 Years
Keyboard, mouse, trays	2 Years
Locks & keys	2 Years
Tubs, totes and other accessories	1 Year
Chairs	
Structural components, including gas cylinders, wood, metal and plastic parts (i.e., chair frames, bases and control handles)	7 Years
Consumable items (i.e., casters, glides, etc.)	5 Years
In-stock upholstery	5 Years
Customer supplied material	No Warranty

