

Hideaway® Surface Access Products • Installation Guide

This guide provides instructions for an experienced installer to install and connect the Extron **HSA 400**, **HSA 402**, and **HSA 822**.

The HSA units are lift-up architectural solutions for inconspicuous A/V connectivity access, control, and AC power.

IMPORTANT:
Go to www.extron.com for the complete user guide, installation instructions, and specifications before connecting the product to the power source.

Planning

Determine the best location for the enclosure. **Before making any cuts:**

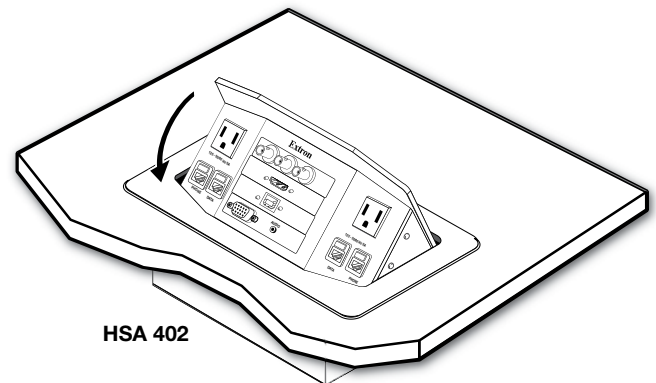
- ☐ Ensure that the location where the HSA is to be installed is convenient for as many users as possible.
- ☐ Ensure that the edge on which the HSA opens is oriented correctly.
- ☐ Ensure that there is ample space under the table for cables.
- ☐ Ensure that the correct template or dimensions are used.

Decide on the method for cutting the hole in the table.

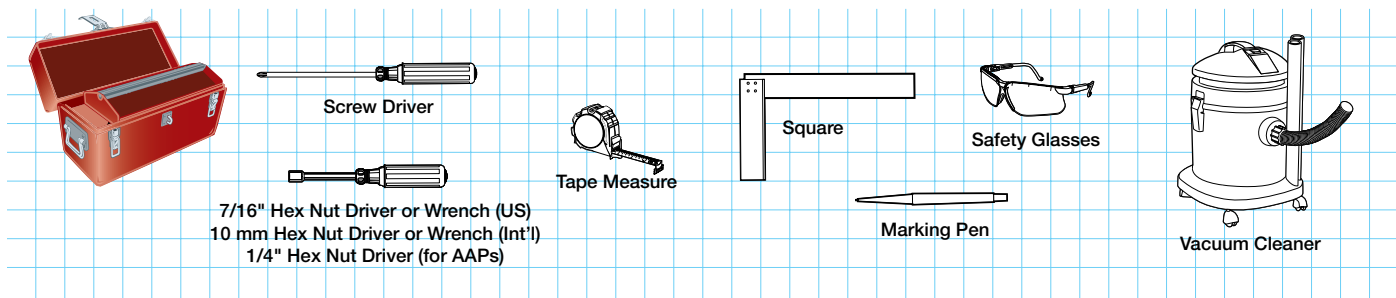
- ☐ Hand router and template
- ☐ CNC wood router
- ☐ Jigsaw and paper template

Before starting the installation, check with local and state regulations:

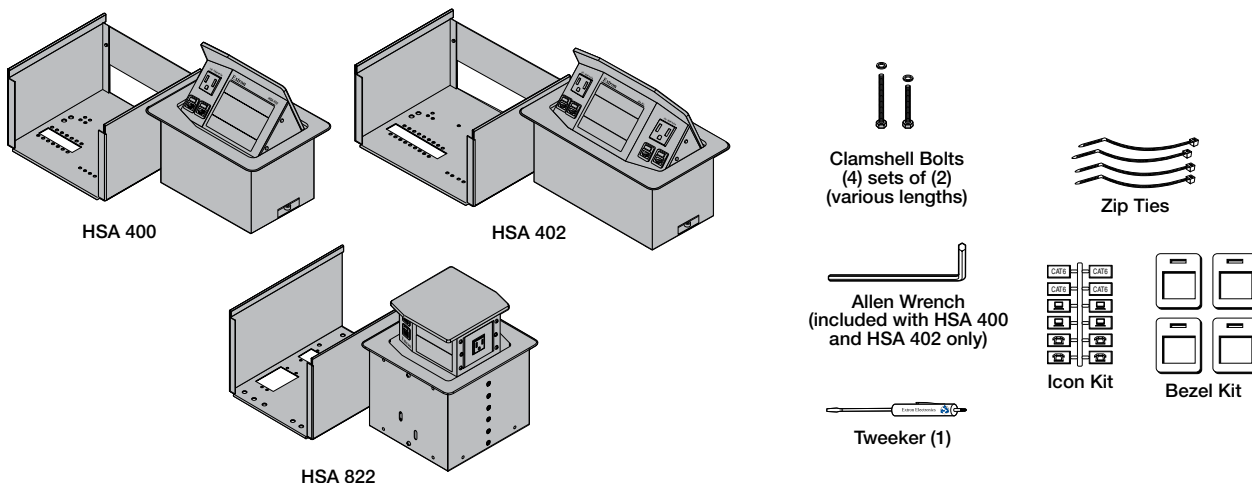
- ☐ Ensure that the planned installation complies with building and electrical codes.
- ☐ Ensure that the planned installation complies with the Americans with Disabilities Act or other accessibility requirements.



Tools and Equipment Required for Installation



Included Parts



HSA 400 / 402 / 822 • Installation Guide

Preparing the Table

WARNING: Wear safety glasses when cutting the hole in the table. Failure to comply may result in eye injury.

AVERTISSEMENT : Veuillez à toujours porter des lunettes de protection lorsque vous percez la table. Ne pas respecter cela peut conduire à une blessure à l'oeil.

ATTENTION: The opening in the table for the HSA should be cut only by licensed and bonded craftspeople.

- Exercise care to prevent scarring or damaging the furniture.
- Ensure that the table surface is:
 - At least 3/8 inch (0.325") (9.5 mm) thick.
 - No more than 1-3/4 inch (1.75") (44.5 mm) thick.

Cut a hole in the surface where the enclosure will be installed. There are three methods for cutting the hole in the table:

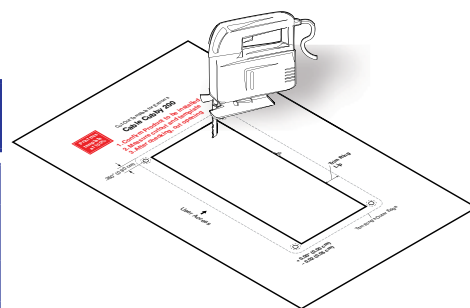
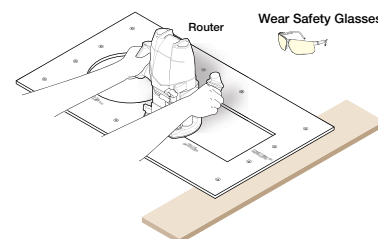
- A hand router and the appropriate Extron HSA routing template. See the table for part numbers. See the *HSA Series and HSA Routing Template User Guide*, available on the Extron website, www.extron.com, to prepare the template and use the template to cut the hole.

NOTE: The metal routing template is reusable. Do not discard this routing template when the installation is complete.

- A CNC wood router and the **exact** cut-out dimensions for your model. See the table below for cut-out dimensions:
- A jigsaw and a paper cut-out template (available on the Extron website, www.extron.com).

NOTE: The underlined dimension in the table below is the AAP and connector access side.

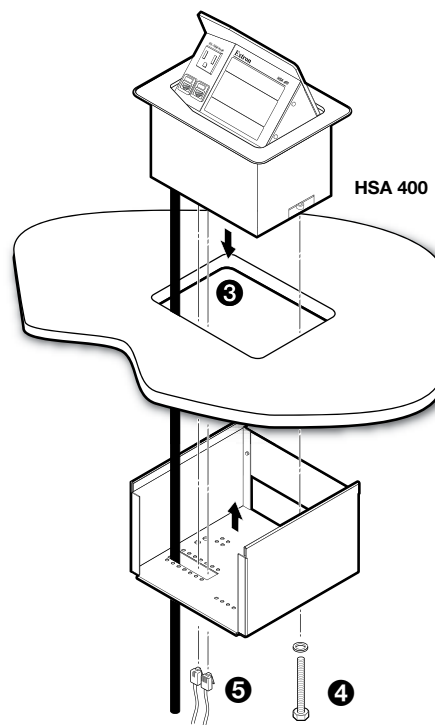
Product	Template Part Number	Surface Cut-out Dimensions	
		Width	Depth
HSA 400 (USA)	70-189-01	8.14 inches (<u>20.68 cm</u>)	5.95 inches (15.11 cm)
HSA 400 (Int'l)	70-189-02	9.64 inches (24.49 cm)	5.95 inches (15.11 cm)
HSA 402 (USA)	70-190-01	10.37 inches (<u>26.34 cm</u>)	5.95 inches (15.11 cm)
HSA 402 (Int'l)	70-190-02	13.37 inches (<u>33.96 cm</u>)	5.95 inches (15.11 cm)
HSA 822 (all regions)	70-191-01	8.03 inches (<u>20.40 cm</u>)	8.33 inches (21.16 cm)



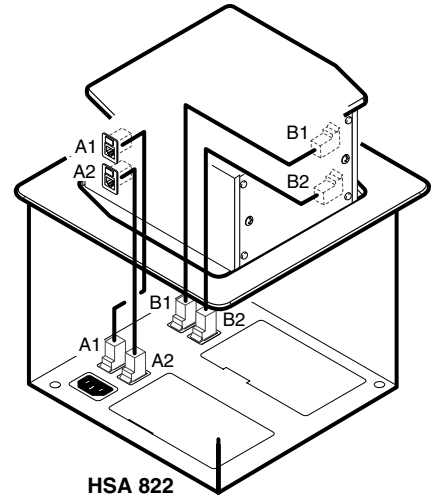
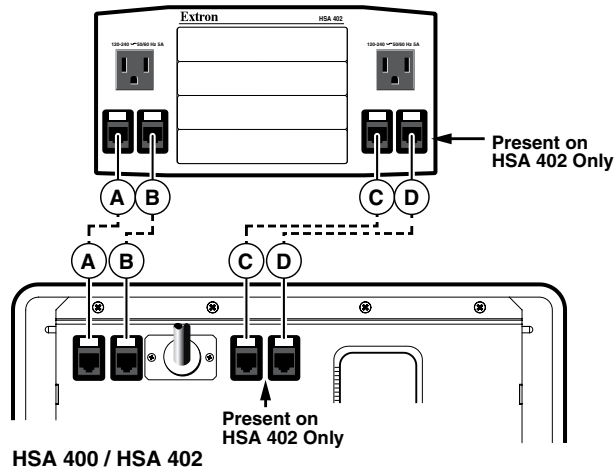
Mounting the HSA in the Table and Connecting Cables

ATTENTION: Be careful when handling and mounting the enclosure. Mishandling can damage the appearance of the enclosure.

1. Unbolt the clamshell from the enclosure (the shipped position).
2. Remove the plastic strips that protect the corners of the enclosure and the plastic film on the finished surfaces.
3. Carefully lower the HSA into the hole to test the fit (see the image on the right, ③). If necessary, carefully enlarge the opening.
4. Under the table, bolt the clamshell to the enclosure with two bolts of optimum length (④).
5. Under the table, connect the RJ-45 connectors (⑤).
 - The network cables are terminated in accordance with the TIA/EIA T568B standard inside the HSA.
 - See the drawings on the next page to understand the relationship between the RJ-45 connectors on the bottom of the unit to the connectors on the faces of the unit.



Internal RJ-45 Cable Routing



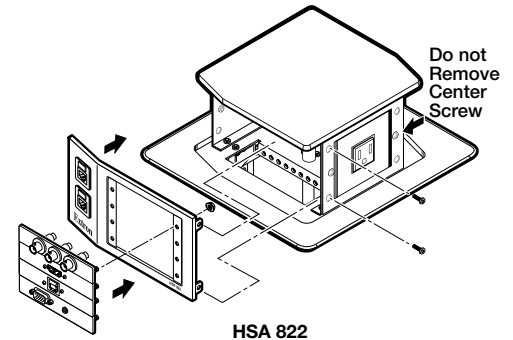
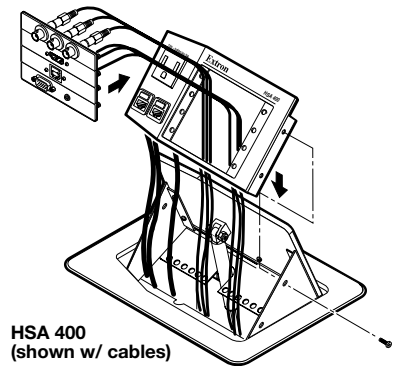
Cabling and Installing the AAPs

ATTENTION: Ensure that AC power is disconnected before removing the front panel.

1. Remove and retain the four screws on the right and left sides of the front panel. Lift the panel away from the enclosure.

ATTENTION: On the HSA 822, do **NOT** remove the center screws. They do not fasten the AAP panel in place. They secure the AC power outlet.

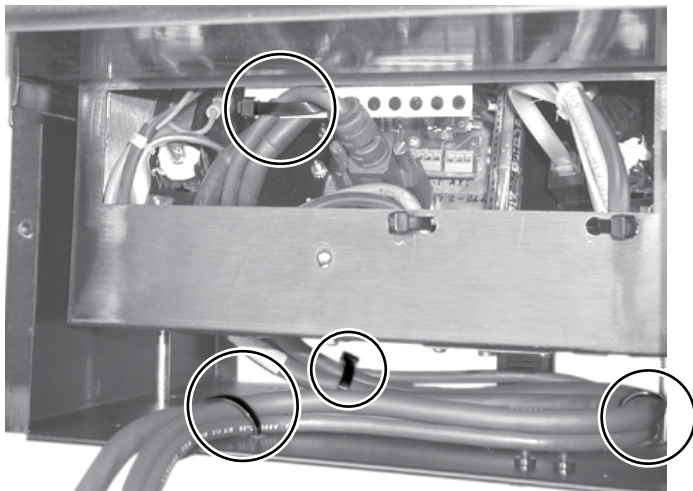
2. Secure each AAP to the panel with the provided #4-40 nuts.
3. Route the AAP cables through the hole in the underside of the HSA and connect them to the rear of the AAPs.
4. Reinstall the front panel in the enclosure and secure it in place with the screws removed in step 1.



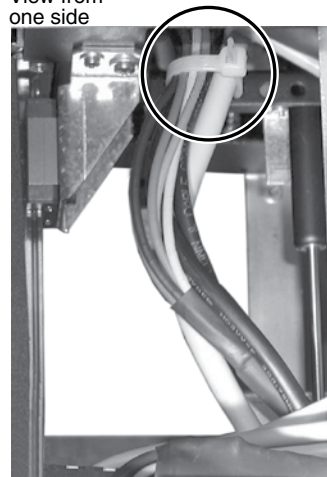
Dressing the Cables

1. Lift the HSA to extend the AAP cables to their maximum pull.
2. Experiment with AAP cable positioning to ensure that the cables do not rub against any edges and that the cable pull does not restrict the HSA lifting movement. The figures below show the recommended cable routing.
3. Route the cables as recommended in the photos below. Secure the cables in the circled locations with the provided zip ties.

HSA 402 Rear View

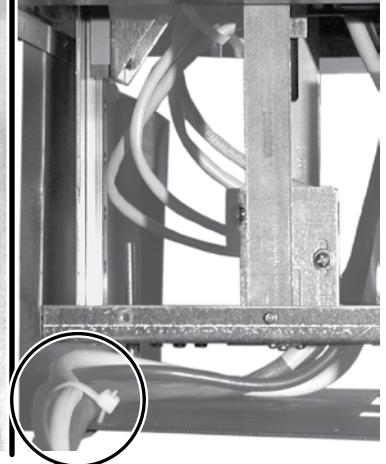


HSA 822
View from
one side



Shown with clamshell removed for clarity.

View from the opposite side



Installation Checklist

Planning (page 1)

- Choose a location. Consider the following:
 - Ensure that the edge on which the lid opens faces the table position of the most likely user.
 - Ensure that there is ample space under the table for cable routing.
 - Ensure that there is a nearby electrical outlet.

Preparing the Table (page 2)

- Ensure that you are using the correct template or dimensions.
- Cut the hole.

Mounting the HSA (page 2)

- Install the HSA and secure the clamshell.
- Connect the RJ-45 cables.

Installing the AAPs (page 3)

- Install the AAPs.
- Route and connect the AAP cables.

Dressing the Cables (page 3)

- Dress the cables out of the way to prevent lifting restrictions.

Connect the HSA AC Power

Extron Headquarters +800.633.9876 Inside USA/Canada Only	Extron Europe +800.3987.6673 Inside Europe Only	Extron Asia +65.6383.4400 +65.6383.4664 FAX	Extron Japan +81.3.3511.7655 +81.3.3511.7656 FAX	Extron China +86.21.3760.1568 +86.21.3760.1566 FAX	Extron Middle East +971.4.299.1800 +971.4.299.1880 FAX	EExtron Australia +61.8.8351.2188 +61.8.8351.2511 FAX	Extron India 1800.3070.3777 (Inside India Only) +91.80.3055.3777 +91.80.3055.3737 FAX
Extron USA - West +1.714.491.1500 +1.714.491.1517 FAX	Extron USA - East +1.919.850.1000 +1.919.850.1001 FAX	+31.33.453.4040 +31.33.453.4050 FAX					