

Welcome!

We greatly appreciate your purchase of the Cable-Nook Interconnect Box. We are sure you will find it reliable and simple to use. Superior performance for the right price, backed by solid technical and customer support is what Altinex has to offer.

We are committed to providing our customers with Signal Management Solutions® to the most demanding audiovisual installations at competitive pricing and we welcome you to join the ranks of our many satisfied customers throughout the world.

1. Precautions and Safety Warnings

Please read this manual carefully before using your Tabletop Cable-Nook Interconnect Box. Keep this manual handy for future reference. These safety instructions are to ensure the long life of your Cable-Nook and to prevent fire and shock hazard. Please read them carefully and heed all warnings.

1.1 General

- Qualified Altinex service personnel, or their authorized representatives must perform all service

1.2 Installation Precautions

- For best results, place the Tabletop CNK Interconnect Box in a dry area away from dust and moisture.
- To prevent fire or shock, do not expose this unit to water or moisture. Do not place the Tabletop Cable-Nook Interconnect Box in direct sunlight, near heaters or heat-radiating appliances, or near any liquid. Exposure to direct sunlight, smoke, or steam can harm internal components.
- Handle carefully and never lay the CNK on the thin bezel. Dropping, jarring or striking may damage the bezel.

- Never place fingers inside the openings in the sides of the unit or along the bezel edges. The sharp edges may cause serious injury.

1.3 Cleaning

- Surfaces should be cleaned with a dry cloth. Never use strong detergents or solvents, like alcohol or thinner. Do not use a wet cloth or water to clean the unit.

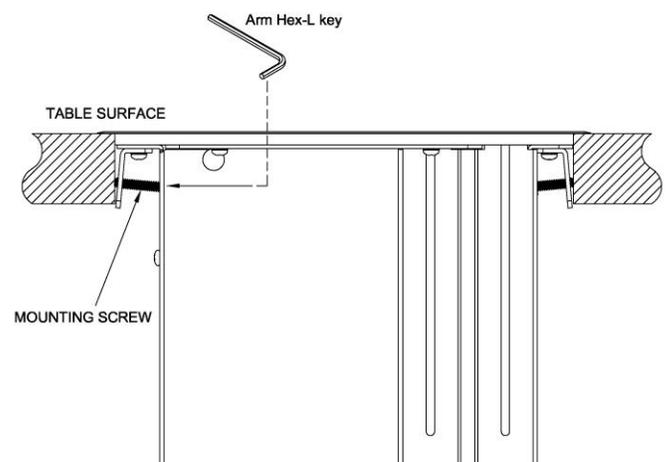
1.4 FCC Notice

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions found herein, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- Any changes or modifications to the unit not expressly approved by Altinex, Inc. could void the user's authority to operate the equipment.

2. Installation Procedures

CAUTION: Do not handle the unit by the bezel's thin lip or lay it on its side. The thin bezel is very sharp and can be easily dented or bent. Handle by the housing portion only.

- Step 1. Cut an opening in the table for the CNK202. Refer to the Altinex website at www.altinex.com for table cutout requirements and template. Tabletop thickness can be 3 in [76 mm] or less. Always confirm dimensions before cutting; specifications can change.
- Step 2. If needed, adjust the interior bracket mounts to the level you require by removing the two screws securing each bracket to the interior housing. Make sure both sides are at the same level.
- Step 3. Insert the CNK202 unit into the tabletop cutout. Tighten the four mounting screws to the table from the top of the unit using provided Arm Hex-L key.



3. Limited Warranty/Return Policies

Please see the Altinex website at www.altinex.com for details on warranty and return policies.

4. Technical Specifications

Specifications are subject to change. See www.altinex.com for up-to-date information.

Features/Description	CNK202
Inputs	
Video/Audio	n/a
Outputs	
Video/Audio	n/a
Compatibility	
Cable-Nook Standard and Customizable Plates	CN5000 Series, CNK-IP-100 Series or CNK-IP-200 Series
Snap-In Connectors	All Altinex Snap-In Connectors
Accessories Included	
Mounting Hardware	Screws (4), Mounting Brackets (4) (attached to the unit) Arm Hex L- Key

Table 1. CNK202 General

Mechanical	CNK202
Hole Sets	23
Minimum Table Thickness	0.5 in (13 mm)
Maximum Table Thickness	3.5 in (89 mm)
Housing Dimensions	
Height	4.7 in (119 mm)
Width	6.2 in (157 mm)
Depth	5.4 in (137 mm)
Bezel Dimensions (surface)	
Width	7.9 in (200 mm)
Depth	7.1 in (179 mm)
Color: CNK202 CNK202S	Black Brushed Aluminum
Material	Aluminum
T° Operating	10°C-35°C
T° Maximum	50°C
Humidity	90% non-condensing
MTBF (calculations)	40,000 hrs. (min.)

Table 2. CNK202 Mechanical

5. About Your CNK202

- Easy installation into tabletop
- Convenient mounting from top of table
- Access door folds into body for easy cable connections
- Convenient access to cable ends or fixed connectors
- Modular configuration: more room for additional connectors
- Simple, cost-effective interconnect solution
- Wide variety of custom plates available
- Not designed for use with RT300 (retractable cables)

The CNK202 is a simple, effective way of hiding/storing multimedia cables and connectors and is designed for boardrooms and conference rooms. Cables remain connected to a presentation system enabling the user to access connections to AC power, video, audio, and other media equipment.

The CNK202 Cable-Nook is designed for use with tables ranging in thickness from half an inch to 3.5 in. The height of the interior shelf can also be adjusted for different depths. Lower the interior shelf to allow the lid to close fully even when power adapters are plugged in to the AC socket. The CNK202 comes in a standard matte black color; the CNK202S is brushed aluminum.

The CNK202 conveniently mounts from the top of the table and using a hex-L-key for securing the unit to the table. The hex key is provided with the CNK. The top access door stores neatly inside the CNK body when cables are needed. Simply lift the door to a right angle and push down into the enclosure. Cables are easily accessed while the overall unit maintains a low profile on the tabletop with no open doors.

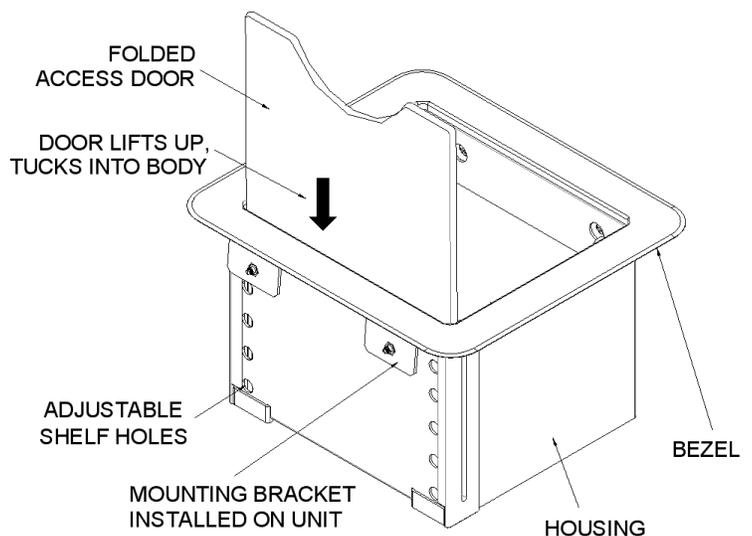
CNK202 with CN5000 and CNK-IP-100 Series Plates

The cables connect to the presentation system underneath the surface and are accessed from the CNK202 by either pulling the cables up and out of the top of the unit (using retaining brackets) or by plugging external cables into sectional plates installed in the CNK202.

Retaining brackets secure cables inside the CNK. The brackets are adjusted as close to the cable as possible and then the cable connectors prevent the cable from slipping under the table. The brackets can be adjusted to fit a wide variety of cable sizes. Cables are pulled out from the top of the CNK202 when needed and then fed back down under the table when no longer required. The weight of the cables helps to feed the slack through the unit.

CNK202 with 210 Series Plates

The 210 Series sectional plates provide diverse connector configurations and are available in various combinations of audio, video, computer, and AC power connectors, providing extensive flexibility in a convenient package. The sectional plates have bulkhead style connectors and are connected permanently to the presentation system. See Diagram 5 on page 8 for more details.



6. Application Diagrams

Diagram 1: Typical Setup CNK202

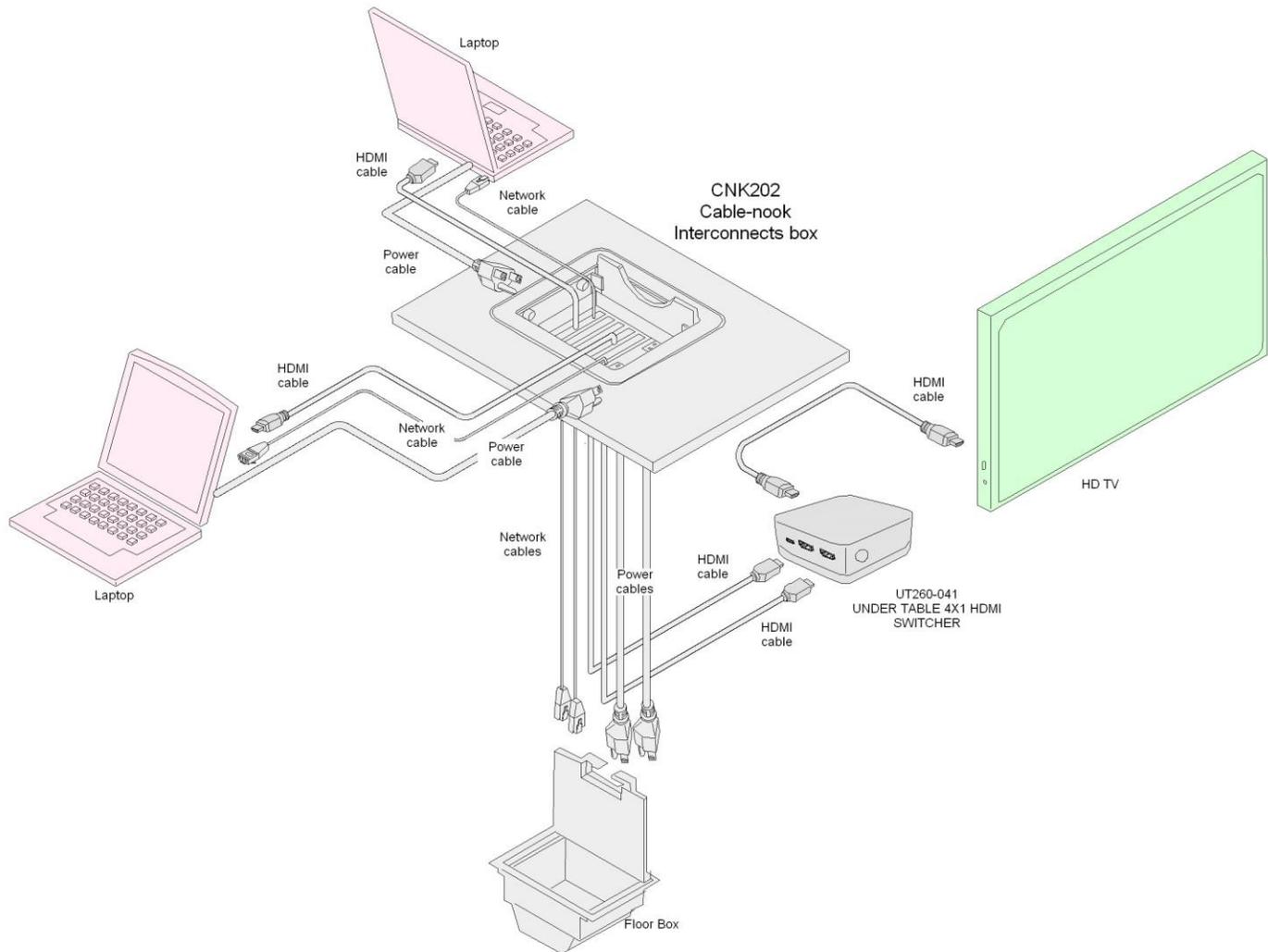


Diagram 2: Dimensions Top and Front (Closed CNK202)

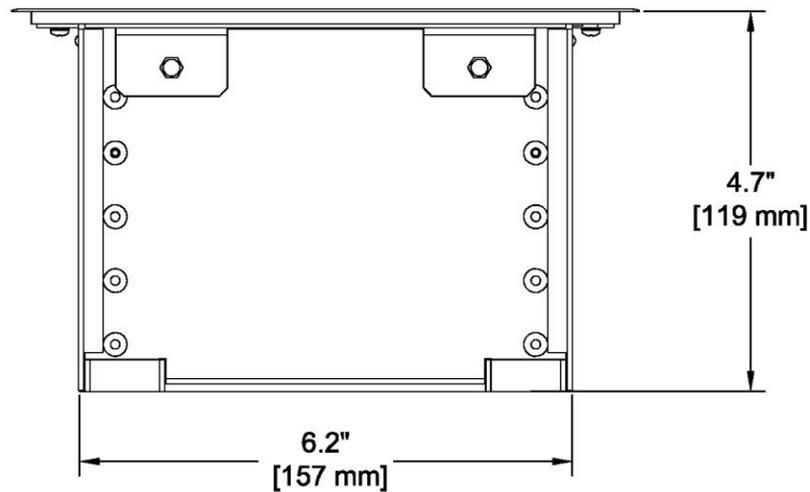
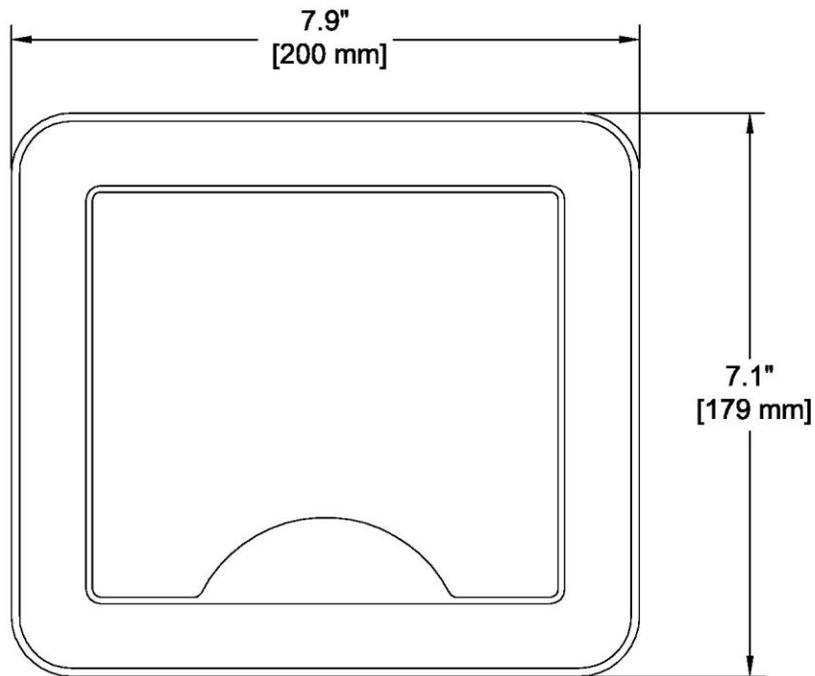


Diagram 3: Dimensions Side view (Opened CNK202)

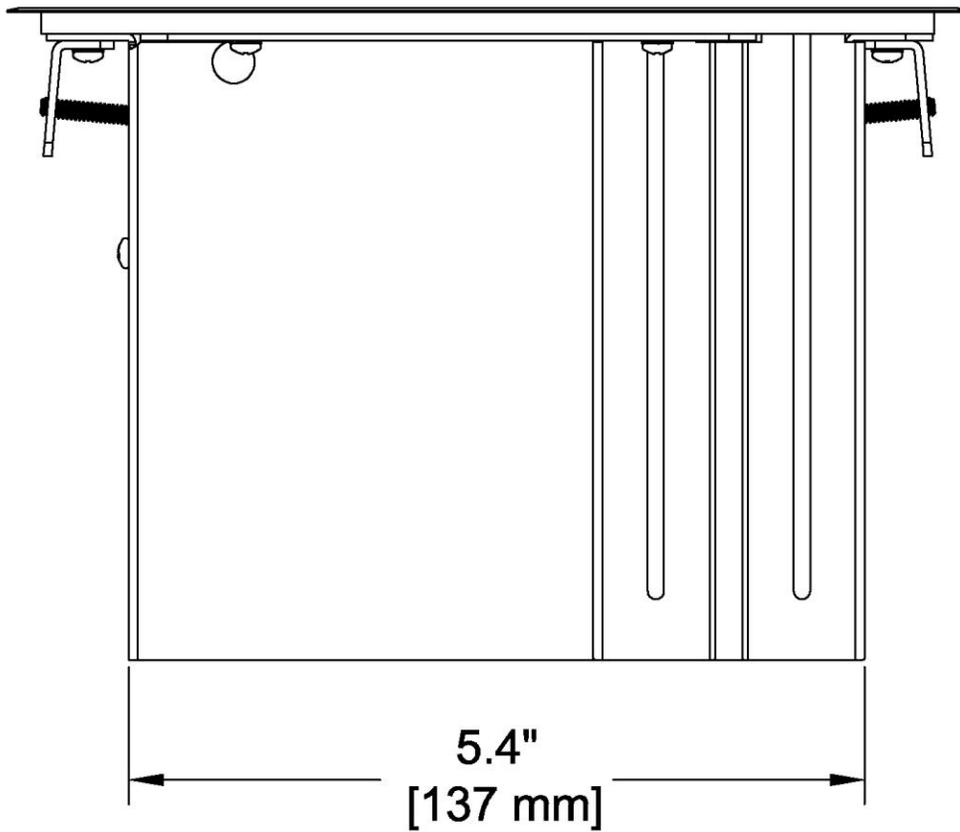


Diagram 4: Twenty-Three (23) Hole Sets

The CNK202 can be customized for virtually any configuration required. Inside, there are 23 hole sets available for installing preconfigured plates, customizable plates, or retaining brackets for holding cables.

In some cases, it is desirable to have the cables reside in the Cable-Nook instead of requiring the user to provide their own cables. In this case, retaining brackets can be positioned to keep cables installed under the table from falling below the Cable-Nook's interior shelf. The user simply pulls out the cable(s) needed and connects them to a laptop, iPod, etc.

Shown below are some typical plate options with retaining brackets. See our website at www.altinex.com for a complete list of available plates and customizable snap-in connectors.

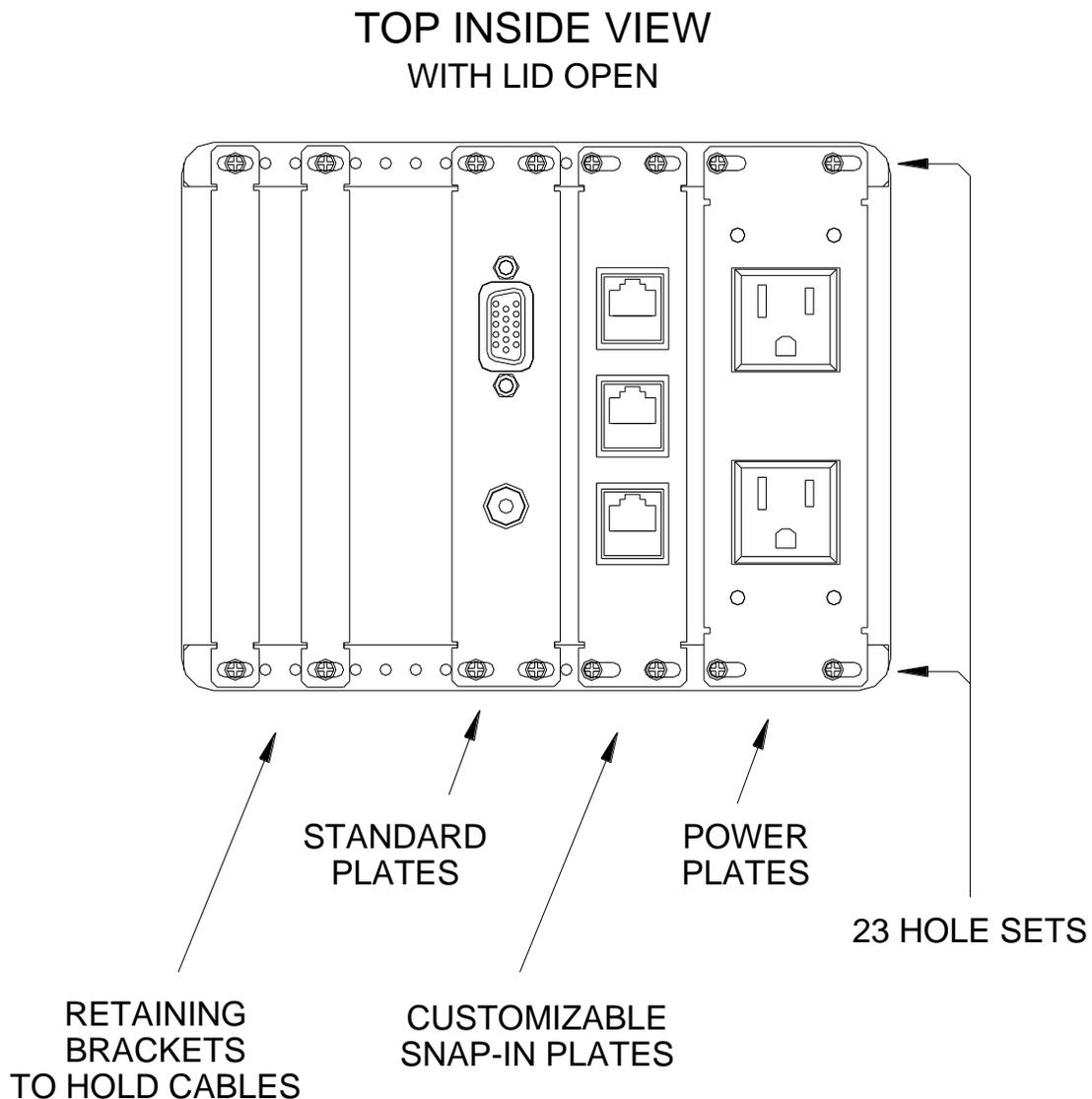


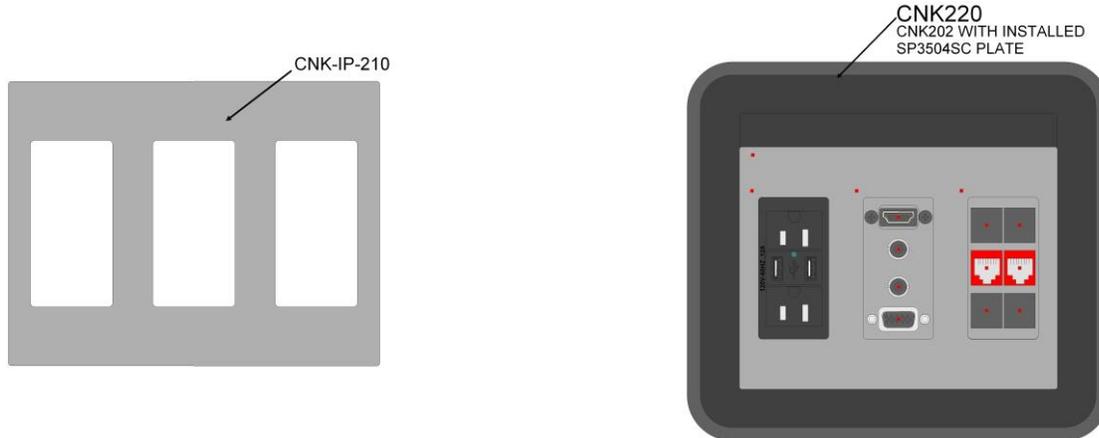
Diagram 5: The 220 Series Option

The CNK-IP-210 Series plates do not use the hole sets that the CN5000 and CNK-IP-100 Series plates used. Instead, the hole set rails are removed and the CNK-IP-210 is mounted directly to the CNK202 chassis. The CNK-IP-210 has three openings that can accommodate different configurations of power, audio, video, and control interfaces.

The video, audio, and snap-in connectors are bulk-head style connectors. The bottom (or inside) connectors connect to off-the-shelf cables which connect permanently to the presentation system.

Shown below are the blank CNK-IP-210 and a standard configuration CNK220 with the SP3504SC plate installed.

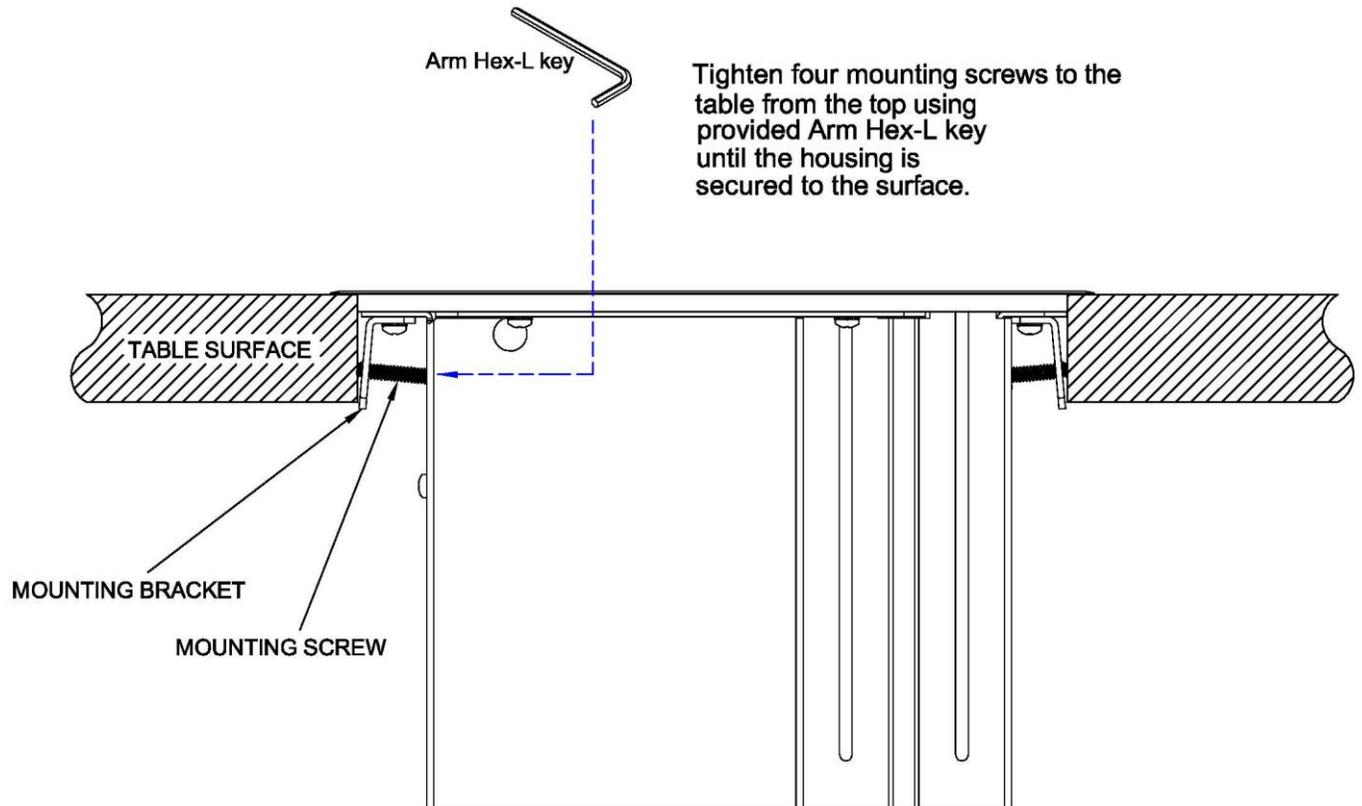
The SP3504SC plate provides AC power, dual USB charging ports, video and audio connectors for both VGA and DIGITAL video, and two network connectors. Additionally, this plate has four blank snap-in ports that can be populated using your own snap-ins or you can purchase custom snap-ins from Altinex. See our website at www.altinex.com for a complete list of available plates and customizable snap-in connectors.



Another standard configuration is the CNK222. This includes the CNK-IP-210 plus two CNK-IP-200s, and one CNK-IP-217 HDMI module populated with two SN1318-RJ45-B connectors. This plate provides two AC power, four AC charging ports, DIGITAL video and audio and two network connectors. Additionally, this configuration plate has two blank snap-in ports that can be populated using your own snap-ins or you can purchase custom snap-ins from Altinex. See our website at www.altinex.com for a complete list of available plates and customizable snap-in connectors.



Diagram 6: Mounting



7. Operation

7.1 Accessing the CNK202

The CNK202 cover/access door opens to a 90-degree angle and then slides into the unit. The door remains open until all the cables are connected. The access door should be closed with the cables routed through the curved opening to prevent damage to the unit and to prevent liquids from entering the opening.

Additionally, the cover should be closed when not in use to prevent liquids or other debris from damaging the unit.

7.2 Power/Signal Connections

Connect external devices to the appropriate connector from the CNK202. Remember, the devices plugged into the AC power connectors should not draw more than the rated values of the cables and/or circuit.

8. Troubleshooting Guide

The CNK202 supplied was carefully tested and no problems were detected. However, we would like to offer the following suggestions:

Please make sure that the highest quality network cables are used.

Make sure that no cable or power cord is damaged or pinched. If there has been damage, do not use the CNK202. Please call the Altinex Customer Service Department at (714) 990-2300 to have the unit repaired.