



MANUAL PART NUMBER: 400-0429-001

TNP121UL

**Tilt 'N Plug Jr.
Table Top Interconnect Box
USER'S GUIDE**

ALTINEX

SIGNAL
MANAGEMENT
SOLUTIONS

SPECIAL APPLICATION

INTRODUCTION

Your purchase of the UL Listed **TNP121UL**, Tilt 'N Plug Jr. Interconnect Box is greatly appreciated. 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.

The product you are holding in your hands is designed using state-of-the-art technology and is superior to anything available on the market. You will find this and our other products reliable, long lasting, and simple to operate.

We are committed to providing our customers with signal management solutions to the most demanding audio-visual installations at very competitive pricing.

We appreciate your selection of our products and are confident that you will join the ranks of our many satisfied customers throughout the world.

The **TNP121UL** is UL Listed as a Furniture Power Distribution Unit. It is listed under file number E254082 on the UL web site (www.ul.com).

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PRECAUTIONS / SAFETY WARNINGS 1

Please read this manual carefully before using your **TNP121UL**. Keep this manual handy for future reference. These safety instructions are to ensure the long life of your **TNP121UL** and to prevent fire and shock hazard. Please read them carefully and heed all warnings.

1.1 GENERAL

- Unauthorized personnel shall not open the unit since there are high-voltage components inside.
- Qualified ALTINEX service personnel, or their authorized representatives, must perform all service.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN
The lightning flash and arrowhead within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.	CAUTION: TO REDUCE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE.

1.2 INSTALLATION PRECAUTIONS

- For best results, place the **TNP121UL** in a dry area away from dust and moisture.
- To prevent fire or shock, do not expose this unit to rain or moisture. Do not place the **TNP121UL** 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 the **TNP121UL** carefully. Dropping or jarring can damage the bezel.
- Never place fingers inside the opening on each side of the unit. This action could cause serious injury because of the sharp edges inside of the **TNP121UL**.
- Do not place heavy objects on top of the **TNP121UL**. Do not use excessive force to push down on the top of the unit.

- To turn off the main power, disconnect the power cord, which powers the power socket on the **TNP121UL** pop up panel only. The power outlet used should be installed as near to the equipment as possible and should be easily accessible.
- We recommend using wall outlets with a Ground Fault Circuit Interrupter (GFCI) for maximum protection.
- Install all cables according to the instructions. Do not force or pull on any cable or power cord attached to the **TNP121UL**.

1.3 CLEANING

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

1.4 FCC / CE 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 instruction manual, 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 their expense.
- Any changes or modifications to the unit not expressly approved by ALTINEX, Inc. could void the user's authority to operate the equipment.

ABOUT YOUR TNP121UL 2

The **TNP121UL** is designed for installation into a table in a presentation system. This product is designed for mounting into a table, podium, or other furniture to provide a way of connecting audio/visual equipment on top of the furniture to a presentation system below the furniture. The **TNP121UL** is UL Listed and each unit is tested by Altinex using strict guidelines to ensure customer safety.

The core element is a multimedia input plate that can be "tilted" open when needed and pushed closed when not needed.

All signals are passed through the input plate to cables on the underside of the table without passing through any circuitry. In some applications, the use of additional ALTINEX signal management solutions — such as computer video interfaces, distribution amplifiers, and switchers — may be desirable.

The input plate on the **TNP121UL** is accessed by pushing down on the top cover, which will then tilt up with the help of a pneumatic spring inside the unit. Once opened, the input plate remains securely in place. The input plate is hidden by pressing down on the top cover until the latching mechanism engages. In its closed position, the top panel lies flush with the table top.

All **TNP121UL** solutions come with a standard top and bezel offering a high quality matte black finish.

Other finishes or special bezel configurations are available upon request. Please contact an ALTINEX representative to discuss custom options.

TECHNICAL SPECIFICATIONS 3

Specifications are subject to change.

See www.altinex.com for up-to-date information.

FEATURES/ DESCRIPTION	TNP121UL
GENERAL	
Pass Through Connectors	
AC Power	Receptacle (female)
Telephone Jack	RJ-11 female
Network Jack	RJ-45 female
Stereo, Audio	3.5mm female
Video	15-pin HD female
Approval (UL)	
Underwriters Laboratories	UL 962A
Category	Furniture Power Distribution Unit
File Number	E254082

Table 1. **TNP121UL** General

MECHANICAL	TNP121UL
Width	4.60 in. (117 mm)
Height, opened	5.50 in. (140 mm)
Depth	4.90 in. (124.5 mm)
Finish	Matte Black
T° Operating	10°C-35°C
T° Maximum	40°C
Humidity	90% non-condensing

Table 2. **TNP121UL** Mechanical

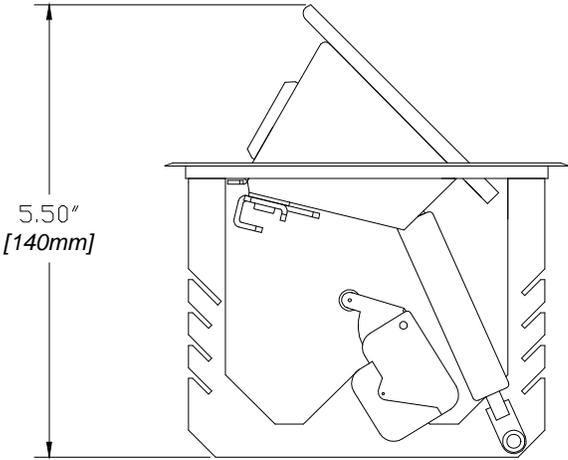
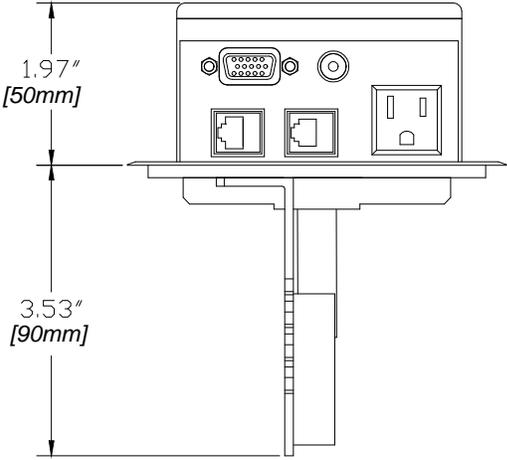
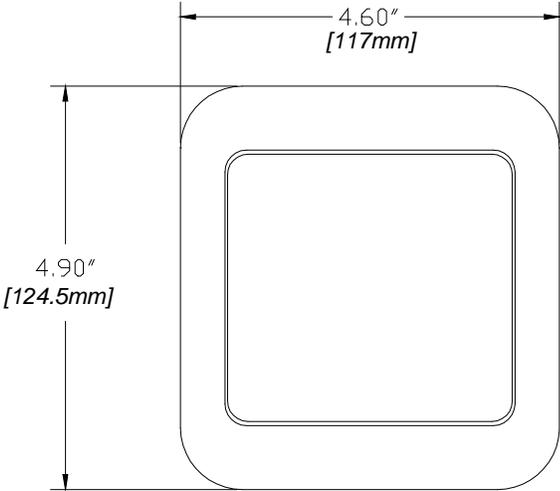
ELECTRICAL (Single outlet panel)	TNP121UL
Power Rating (pass through power connectors)	110VAC, 60Hz, 5A per connector

Table 3. **TNP121UL** Electrical

TNP121UL DIMENSIONS

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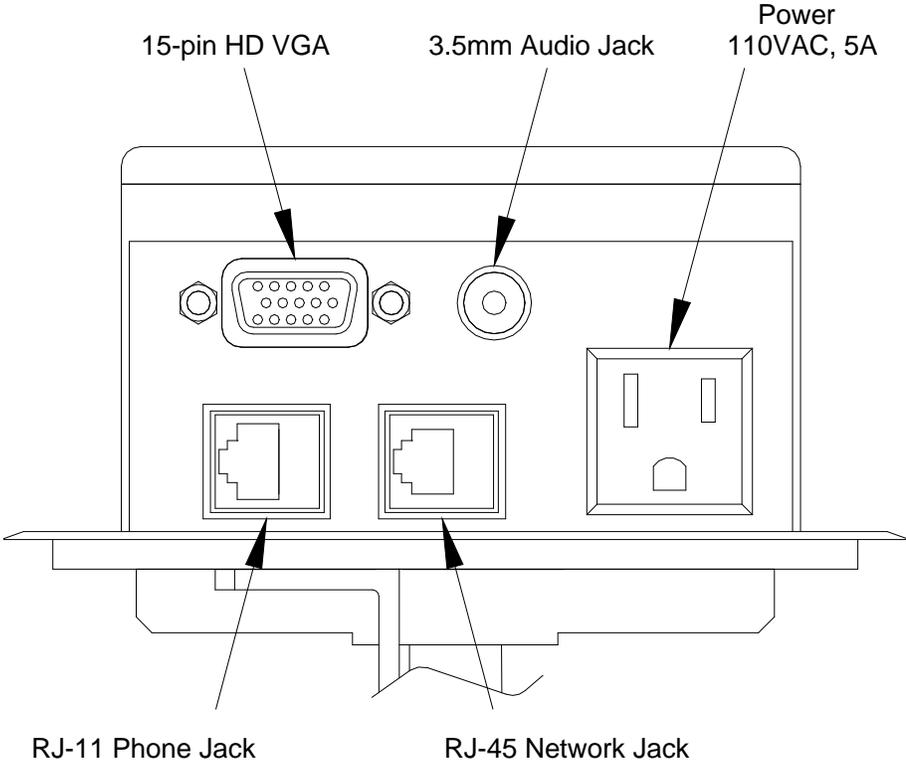
Diagram 1: Dimensions



DESCRIPTION DIAGRAM

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Diagram 2: Faceplate Features

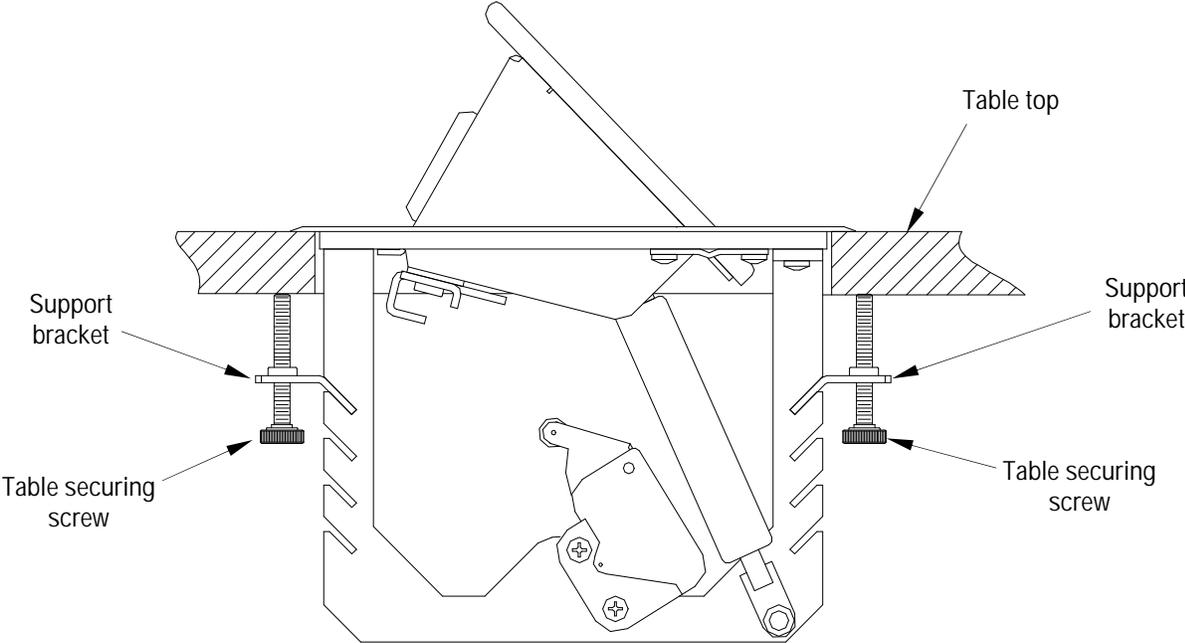


Detailed dimensions, tabletop cutout templates and CAD drawings are available on the ALTINEX website at www.altinex.com

MOUNTING DIAGRAM

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Diagram 3: Mounting a TNP121UL



INSTALLATION PROCEDURES 7

Step 1. Cut an opening into the table's surface. Refer to the ALTINEX website at www.altinex.com for table cutout requirements.

Note: The table can be 3 inches or thinner in thickness. Always confirm dimensions before cutting to insure that specifications have not changed.

Step 2. Insert the **TNP121UL** into the table cutout.

Step 3. Place the support brackets under the table and place them between the support mount grooves on the side of the **TNP121UL**. Attach the brackets to the groove at the desired height and secure them to the bottom of the table using the #6-32 screw. There are two support brackets for each module, one for each side of the unit (see Diagram 3).

Step 4. Secure the cables by using the provided cable clamps and screws. Pass the power cord from the bottom of the housing and attach it to the table using the cable clamp and screw supplied with the **TNP121UL**. Leave enough slack in the service loop to allow for easy opening and closing, but not too much as to cause excess drooping of the service loop.

Step 5. Connect the appropriate cables with the correct input connectors on the bottom of the unit.

Step 6. Once you have applied power and connected the proper cables on the bottom of the unit, you may raise the unit. To raise the **TNP121UL** into position, push down on the front of the top cover; the latching mechanism will then release, allowing the pneumatic spring to raise it into position.

Step 7. To lower the unit, push on the top of the **TNP121UL** until it locks into place.

TROUBLESHOOTING GUIDE 8

The **TNP121UL** supplied unit was carefully tested and no problems were found. However, we would like to offer the following suggestions:

- Please make sure that the highest quality network cables are used.
- Make sure that none of the cables are damaged or pinched. If there is damage, do not use the **TNP121UL**. Immediately contact the ALTINEX Customer Service Department, at (714) 990-2300, to have the unit repaired.

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9.1 LIMITED WARRANTY/RETURN POLICY

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

9.2 CONTACT INFORMATION

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