



USER MANUAL

MODEL:

TSPB-2V1AD

Square table box with HDMI, VGA, 3.5mm audio, and RJ45 inputs

TSPB-2V1AD Quick Start Guide

This guide helps you install and use your product for the first time.

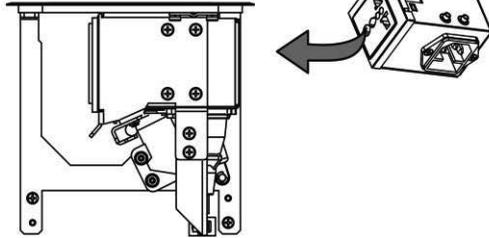
Step 1: Check what's in the box

- ✓ TSPB-2V1ADI
- ✓ 2 table clamps
- ✓ 1 cut out template
- ✓ 1 quick start guide

Step 2: Prepare the TSPB-2V1AD for mounting

Install the required power socket.

Note that the power socket is purchased separately.



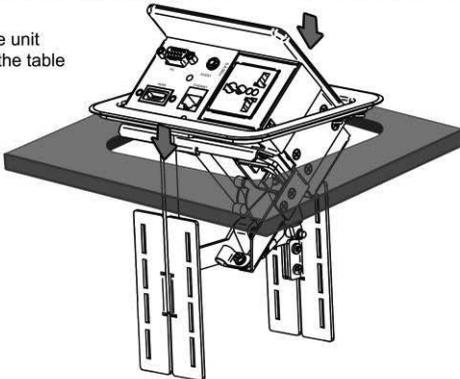
Step 3: Prepare the table for mounting

Cut out an opening in the table using the cut out template.



Step 4: Install the TSPB-2V1AD to the table

Insert the unit through the table opening.



Mount the Brackets, secure the unit to the table and connect the cables.



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1 Introduction

Congratulations on purchasing the **TSPB-2V1AD** Square table box with HDMI, VGA, 3.5mm audio, and RJ45 inputs, which is ideal for boardrooms, conference and training rooms.

Your **TSPB-2V1AD** is available in two models: in black (model TSPB-2V1AD-B) and in aluminum (model TSPB-2V1AD-A). Note: **that power accessories are sold separately.**

2 Getting Started

We recommend that you:

- Unpack the equipment carefully and save the original box and packaging materials for possible future shipment
- Review the contents of this user manual

2.1 Achieving the Best Performance

To achieve the best performance:

- Use only good quality connection cables (we recommend high-performance, high-resolution cables) to avoid interference, deterioration in signal quality due to poor matching, and elevated noise levels (often associated with low quality cables)
- Do not secure the cables in tight bundles or roll the slack into tight coils
- Avoid interference from neighboring electrical appliances that may adversely influence signal quality
- Position your **TSPB-2V1AD** away from moisture, excessive sunlight and dust



This equipment is to be used only inside a building. It may only be connected to other equipment that is installed inside a building.

Do not place heavy objects on top of the **TSPB-2V1AD**.

2.1 Recycling Products

The Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC aims to reduce the amount of WEEE sent for disposal to landfill or incineration by requiring it to be collected and recycled. To comply with the WEEE Directive, we have made arrangements with the European Advanced Recycling Network (EARN) and will cover any costs of treatment, recycling and recovery of waste Electronics branded equipment on arrival at the EARN facility.

3 Overview

The **TSPB-2V1AD** is a furniture-mounted pop-up connection bus that is easily installed into a table or podium top. The **TSPB-2V1AD** interface enables you to connect any equipment to systems installed in a room via the following pass-through connectors:

- 1 PC on a 15-pin HD connector
- 1 HDMI connector
- 1 stereo audio on a 3.5mm connector
- 1 Ethernet RJ-45 connector

When not in use, you can lower the **TSPB-2V1AD** flush into the table. The example in [Figure 1](#) shows the **TSPB-2V1AD** in a table or podium top with a universal power socket.

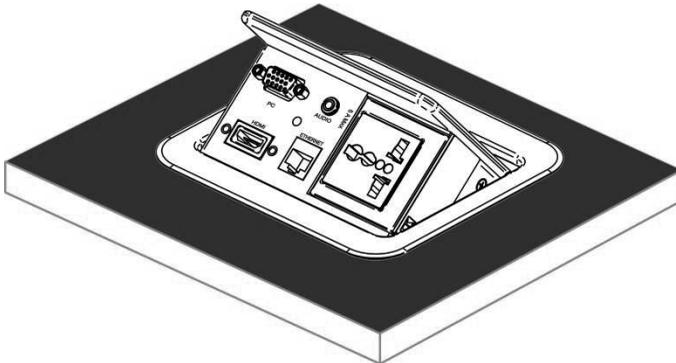


Figure 1: TSPB-2V1AD Square table box with HDMI, VGA, 3.5mm audio, and RJ45 inputs

In addition, the **TSPB-2V1AD** is:

- Easily opened and closed by pressing down gently on the lid due to its tilting angular construction, pneumatic lift and mechanical latching mechanism. It can be raised (when in use) or lowered (when not in use)

4 Defining the TSPB-2V1AD

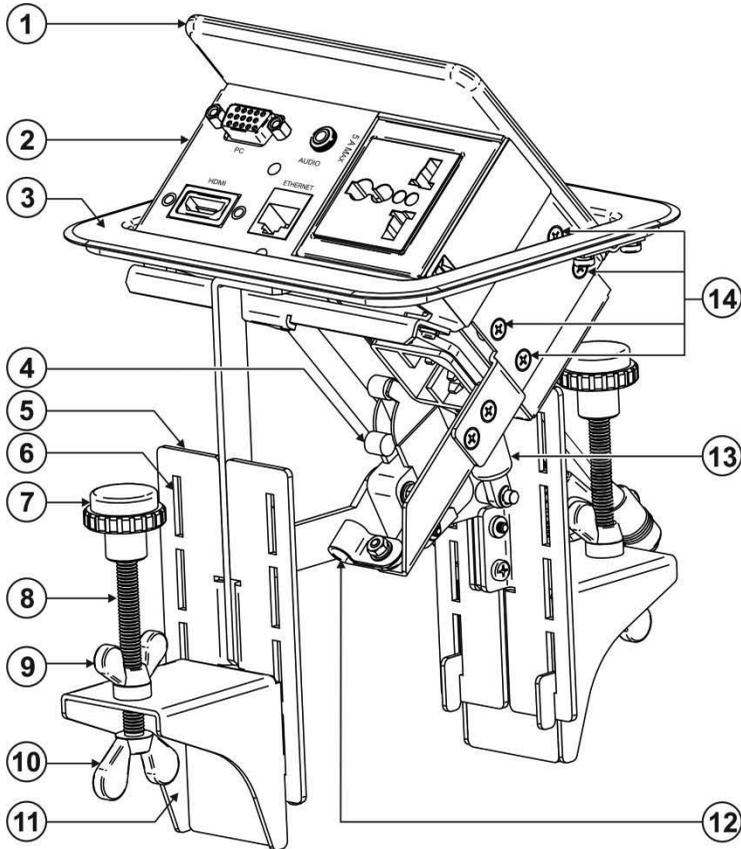


Figure 2: Defining the Parts of the TSPB-2V1AD Square table box with HDMI, VGA, 3.5mm audio, and RJ45 inputs

#	Feature	Function
1	Black anodized or brushed anodized aluminum semi-automatic lid	Covers the connecting surface, leaving the table surface neat and tidy
2	Connecting Surface	See Section 4.1
3	Outer Rim	Fits over the table surface
4	Mini Latch	Enables the closing and opening of the lid by slightly pressing it
5	Mounting Clamp Plates	For holding the clamps
6	Mounting Clamp Slits (four sets on each side)	Insert the mounting clamps to the slits when installing the TSPB-2V1AD

#	Feature	Function
7	Rubber Protectors (2)	To ensure soft tightening to the table underside
8	Mounting Screws (2)	For securing the TSPB-2V1AD to the table
9	Locking Butterfly Nuts (2)	Tighten to lock the mounting butterfly screw
10	Mounting Butterfly Nuts (2)	Tighten to secure the unit to the table surface
11	Mounting Clamps (2 units)	Place in the clamp slits after inserting the enclosure into the table – for securing the unit to the table surface
12	Power Connector Lock	Secures the power cable so it does not accidentally disconnect when opening the lid
13	Pneumatic Piston	Enables automatic lifting and smooth closing of the lid
14	Power Socket Opening Screw Holes (4)	For installing/replacing the power socket

4.1 The TSPB-2V1AD Connecting Surface

Figure 3 defines the connecting surface and includes the universal power socket (sold separately) for illustration purposes only:

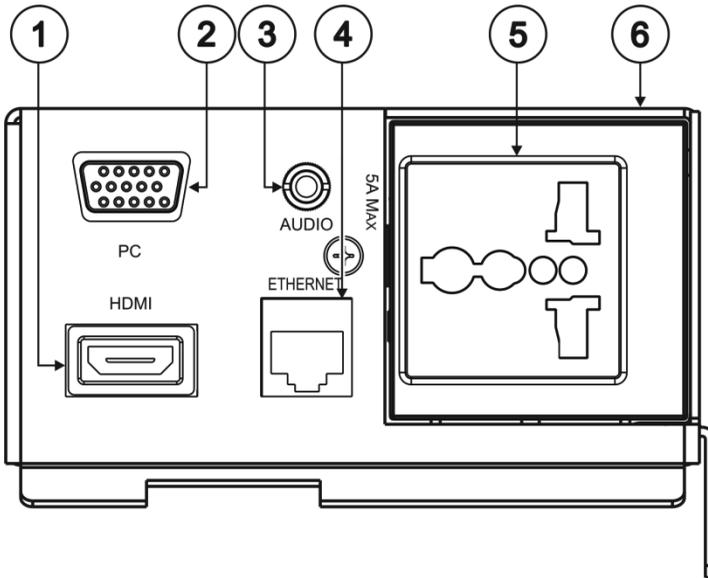


Figure 3: TSPB-2V1AD Connecting Surface

#	Feature	Function
1	HDMI Connector	Connect to an HDMI source
2	PC 15-pin HD Connector	Connect to a computer graphics source
3	AUDIO 3.5mm Mini Jack	Connects to an unbalanced stereo audio source

#	Feature	Function
4	ETHERNET Connector	Connects to the PC or other Controller through computer networking
5	Power Socket Opening	Suitable for various power sockets (see Section 4.2)
6	Connecting Surface	Pops up when gently pressing the lid

4.2 Power Socket Options

A power socket is available for purchase for the USA. Note that the photo below is for illustration purposes only.

Power Socket Type	Power Specs
USA: 	TS-201US (80-000046) 100-125V AC, 50/60Hz, 5A Maximum 5A per power outlet

5 Installing the TSPB-2V1AD

To install the **TSPB-2V1AD** perform the following steps:

1. Cut an opening in the table (see [Section 5.1](#)).
2. Install the power socket (see [Section 5.2](#)).
3. Insert the **TSPB-2V1AD** through the cut-out opening (see [Section 5.3](#)).
4. Connect the cables (see [Section 5.4](#)).

5.1 Cutting an Opening

The metal cutout template (supplied) defines the surface you have to cut out to install your **TSPB-2V1AD**.



The thickness of the table should be 3in (76mm) or less.

To cut an opening in the table:

1. Before cutting the opening, confirm the dimensions of the cutout template and make sure that they have not changed.
2. Place the included cut out template (that is included with your **TSPB-2V1AD**) on the surface of the table exactly where you want to install the **TSPB-2V1AD**.
3. Attach the template to the table with the included screws (if using the cut out template).
4. Following the **inside** edge of the template, cut a hole in the table surface with a sabre or keyhole saw according to the dimensions shown in [Figure 4](#) (not to scale).

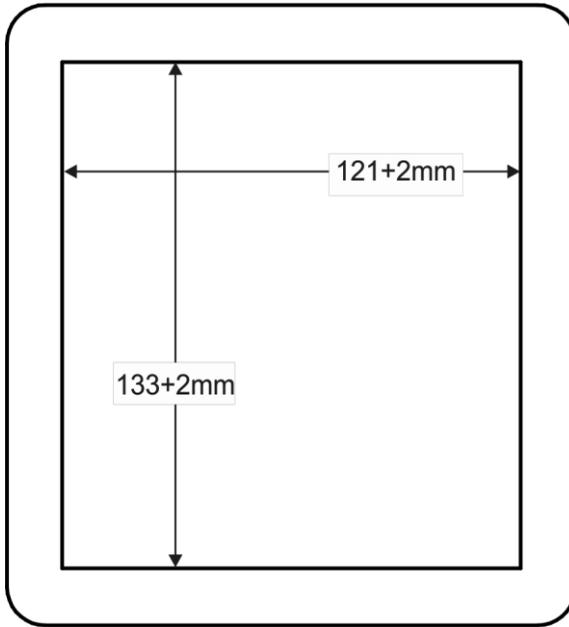


Figure 4: Cut out Dimensions (not to scale)

5. Unscrew and remove the template from the surface of the table and clean the table surface.

Take care not to damage the table.

If needed, you can download a full-scale template from our Web site.



Electronics is not responsible for any damage caused to the table.

5.2 Installing the Power Socket

Figure 5 shows an example of the Universal power socket housing which is one of the optional power sockets for the **TSPB-2V1AD**, see Section 4.2.

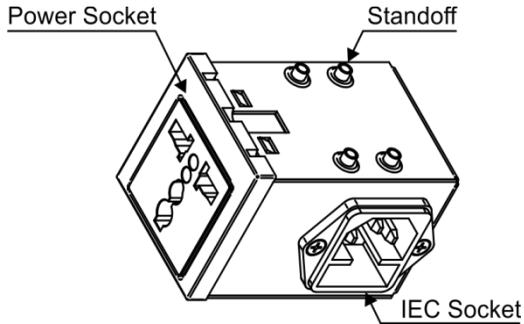


Figure 5: TSPB-2V1AD Universal Power Socket Housing

To install the power socket:

1. Close the **TSPB-2V1AD** lid.
2. Carefully insert the power socket housing so that the power socket fits into the power socket opening on the connecting surface and the four standoffs fit the four screw holes on the **TSPB-2V1AD**.

When positioned correctly, the IEC socket faces downwards.

3. Screw the four screws included in the power socket kit into the designated holes to fix the power socket housing in place (see Figure 6).

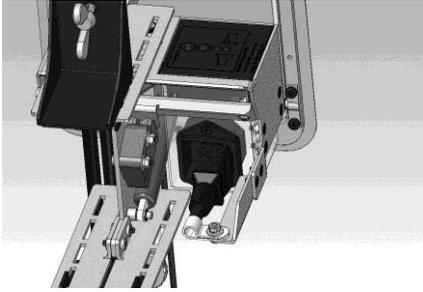


Figure 6: Power socket installed

4. Unscrew the power connector lock.
5. Connect the IEC power cord to the IEC socket.
6. Insert the power cord into the power connector lock and tighten the screw (see [Figure 2](#), item 12) to secure the power cable.

5.3 Inserting the TSPB-2V1AD through the Cut-Out Opening

To install the **TSPB-2V1AD**, do the following:

1. Carefully insert the unit into the prepared opening.
2. Take the support clamps under the table and place them into the support clamp late slits at the desired height (on both the front and rear sides of the unit).
3. Make sure that the upper outer rim is situated parallel to the edge of the table.
4. Insert the mounting screws through the holes in the mounting clamps. Tighten the mounting butterfly nuts to secure the unit to the table surface and then lock with the mounting butterfly screw.

5.4 Connecting the Cables

1. Connect the appropriate cables from underneath.

2. Secure the cables.

Do not keep the cord too tight or too loose.

Once you have connected the unit to the mains power and connected the proper cables, you may use the unit.

6 Technical Specifications

PORTS:	1 HDMI connector, 1 Ethernet RJ-45 connector, 1 15-pin HD connector, 1 3.5mm mini jack
POWER SOURCE (AC power limits):	100-240V AC, 50/60Hz, 5A Maximum 5A per power outlet
FUSE RATING:	T 6.3A 250V
OPERATING TEMPERATURE RANGE:	+5 to +45 Deg. Centigrade
OPERATING HUMIDITY RANGE:	10 to 90% RHL, non-condensing
STORAGE TEMPERATURE RANGE:	-20 to +70Deg. C.
STORAGE HUMIDITY RANGE:	5 to 95% RHL, non-condensing
DIMENSIONS:	Including the outer rim: 14.5cm x 13.2cm x 17.3cm (5.71" x 5.2" x 6.81") W, D, H Without the outer rim: 13.3cm x 12.0cm x 17.3cm (5.24" x 4.72" x 6.81") W, D, H
WEIGHT:	0.85kg (1.87lbs) approx. 1.2kg (2.65lbs) approx. with mounting brackets 1.4 kg (3.1lbs) approx. packed product
ACCESSORIES:	Cut out metal template
OPTIONS:	Power socket kits, power cord

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The voltage rating on the mains output receptacle is in accordance with the country's mains voltage to which the device is connected.

Do not connect devices to this machine that do not operate in compliance with the country's mains voltage.



SAFETY WARNING

Disconnect the unit from the power supply before opening and servicing