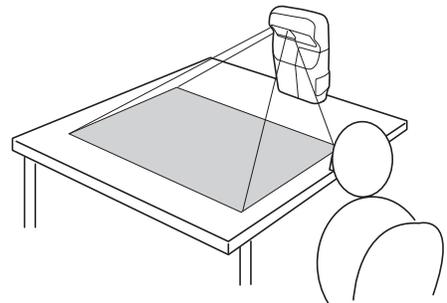


# Brightlink 455Wi Interactive Table Mode Guide

The BrightLink® 455Wi can be mounted at a 90-degree downward angle to create an interactive workspace directly on a table surface. This is ideal for interactive group projects or lessons.

The interactive table mode requires a custom-built mounting system. You can purchase one from **Copernicus Education Products**:

- [www.interactable.com](http://www.interactable.com)
- [www.copernicused.com](http://www.copernicused.com)
- 1-800-267-8494



Follow the installation instructions that come with the mount.

For information on using the interactive table mode, visit one of the following:

- [www.epson.com/bl455table](http://www.epson.com/bl455table) (US)
- [www.epson.ca/bl455table](http://www.epson.ca/bl455table) (Canada)

## **Note:**

The interactive table mode is not available for the BrightLink 450Wi.

## **Warning:**

Do not use the BrightLink wall mount that shipped with the projector for interactive table projection. The wall mount is not designed for vertical positioning of the projector and may cause a safety hazard or damage the projector.

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## Table Requirements

To select a table for interactive tabletop projection:

- Consider the height of the users as well as the table itself to ensure the users can reach all areas of the interactive surface.
- Choose a square or rectangular table. To ensure stability and safety, the table legs should be located as close to the corners as possible. The BrightLink projector weighs 13 pounds and the mount you use for interactive table projection will increase the weight of the projector substantially.
- The tabletop surface should be between 1 and 1.75 inches thick. Never use a table with reinforcement beams that prevent the table mount from sliding all the way onto the table.
- For best image performance, make sure the table surface is white or very light in color. If the table surface is not white, you can use white paper or poster board.
- Refer to the Interactive Table Projection Distance tables on page 4 to determine the correct table width for your installation. Be sure to determine whether the projected image will be WXGA (16:10), XGA (4:3), or wide screen (16:9) aspect ratio.

## **Warning:**

Make sure the table is sturdy enough to support the weight of the projector and mount, and will not easily tip if the table is bumped.

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## Optional Accessories

To enhance your use of the projector, Epson offers the following optional accessories:

Product	Part number
Additional interactive pen	V12H442001
Replacement lamp	V13H010L57
Replacement filter set	V13H134A34

You can purchase accessories from an Epson authorized reseller. To find the nearest reseller, call 800-GO-EPSON (800-463-7766). Or you can purchase online at [www.epsonstore.com](http://www.epsonstore.com) (U.S. sales) or [www.epson.ca](http://www.epson.ca) (Canadian sales).

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## Setting Up the Projector

To mount the projector for interactive tabletop projection, follow the installation instructions included with the mounting system.

For information about operation of the projector, see the *BrightLink 455Wi User's Guide* on the CD that came with the projector.

### Warning:

Never look into the lens when the lamp is on. This can damage your eyes, and is especially dangerous for children.

Do not lean on the projector or mount. This may cause personal injury or property damage.

Be sure to properly secure the projector cables so that users do not trip or pull the computer or projector off the table.

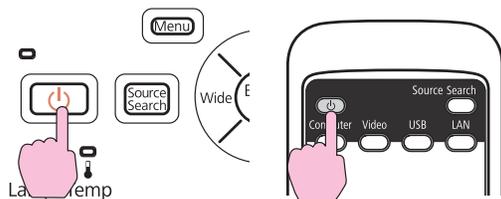
When you project onto a tabletop, you must change the projection orientation to **Front/Pointing Down**. Lamp life in this mode is up to 2000 hours.

### Caution:

**If you project onto a tabletop and do not select the Front/Pointing Down mode, your projector's lamp life will be significantly reduced.**

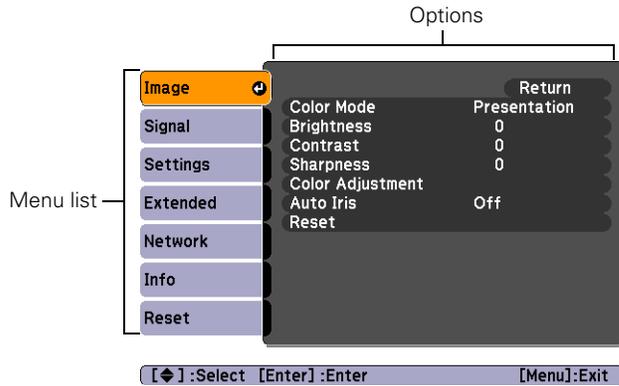
After the projector is mounted on the table, follow these steps to set up the projector for tabletop projection:

1. Press the  power button on the projector or on the remote control.



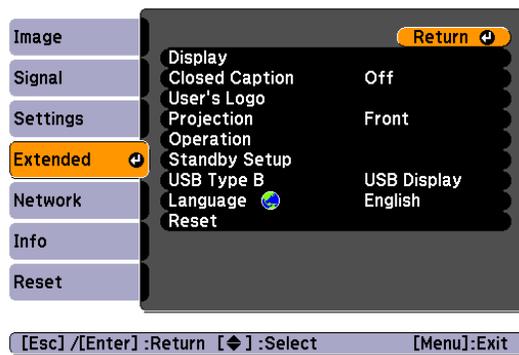
The projector beeps once and the  power light flashes green as the projector warms up, then an image begins to appear. When the  power light stops flashing and remains green, the projector is ready for use.

- To display the menu screen, press the **Menu** button on the remote control or on the projector. You see a menu screen similar to the one below:

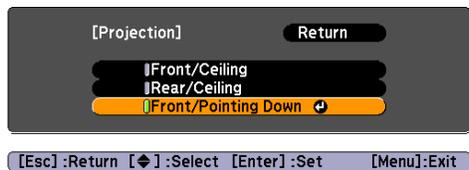


The menus are listed on the left and the options available for the highlighted menu are shown on the right.

- Use the arrow buttons on the remote control or the projector to scroll through the menu list. Highlight the **Extended** menu and press the **Enter** button to select it.



- Scroll to the **Projection** option, then press the **Enter** button to select it.
- Press the up or down arrow button to highlight **Front/Pointing Down** and press **Enter**. Press **Menu** to exit.



See the *Brightlink 455Wi User's Guide* for information on adjusting the image.

## Selecting Interactive Table Projection Distance

Refer to the following tables to select the correct distances for the projector relative to the table. Be sure to determine whether the projected image will be WXGA (16:10), XGA (4:3), or wide screen (16:9) aspect ratio.

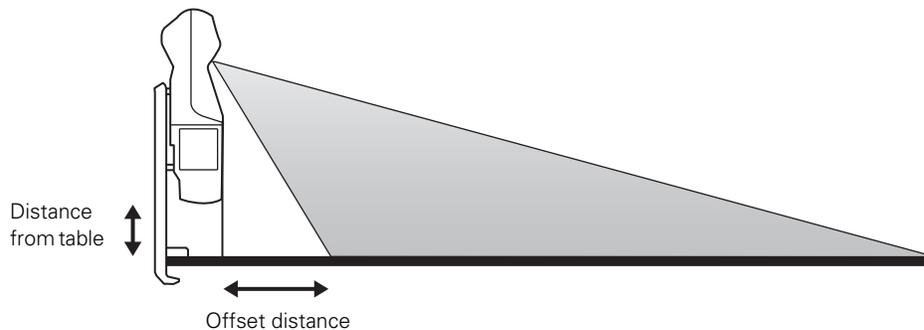
For new computers or laptops, this will most likely be WXGA (16:10). For older equipment, this will most likely be XGA (4:3).

### Note:

When using Interactive Tabletop mode, Epson recommends a distance of 2 to 3 inches from the projector bottom to the table to provide the best image quality. A distance of less than 3 inches may result in loss of image quality including soft focus, distortion, and/or color shift.

Projector distance from table is measured from the bottom of the projector to the table surface.

When determining the correct image size for the table, be sure to account for the image height, the vertical offset distance, and the footprint of the table mount. Together, these values will determine the minimum table depth required to support the desired image size.



## Projection Distance and Image Size in Inches

### WXGA (16:10)

Projector distance from table	Diagonal image size	Minimum table width (square)	Minimum table diameter (round)	Image height	Offset distance
0	50	42.4	52	26.5	5.9
1	53	44.9	54	28.1	6.3
2	57	48.3	58	30.3	7.0
3	60	50.9	61	31.9	7.4

### XGA (4:3)

Projector distance from table	Diagonal image size	Minimum table width (square)	Minimum table diameter (round)	Image height	Offset distance
0	45	36.0	49	27.0	6.0
1	47	37.6	51	28.2	6.4
2	50	40.0	54	30.0	6.9
3	53	42.4	56	31.8	7.4

*Widescreen (16:9)*

<b>Projector distance from table</b>	<b>Diagonal image size</b>	<b>Minimum table width (square)</b>	<b>Minimum table diameter (round)</b>	<b>Image height</b>	<b>Offset distance</b>
0	49	42.7	51	24.1	7.3
1	52	45.3	54	25.5	7.8
2	55	47.9	56	27.0	8.4
3	58	50.6	59	28.5	8.9

## ***Projection Distance and Image Size in Millimeters***

*WXGA (16:10)*

<b>Projector distance from table</b>	<b>Diagonal image size</b>	<b>Minimum table width (square)</b>	<b>Minimum table diameter (round)</b>	<b>Image height</b>	<b>Offset distance</b>
0	1270	1077	1321	673	150
25	1346	1141	1372	714	160
48	1448	1227	1473	770	178
76	1524	1293	1549	810	188

*XGA (4:3)*

<b>Projector distance from table</b>	<b>Diagonal image size</b>	<b>Minimum table width (square)</b>	<b>Minimum table diameter (round)</b>	<b>Image height</b>	<b>Offset distance</b>
0	1143	914	1245	686	152
25	1194	955	1295	716	163
48	1270	1016	1372	762	175
76	1346	1077	1422	808	188

*Widescreen (16:9)*

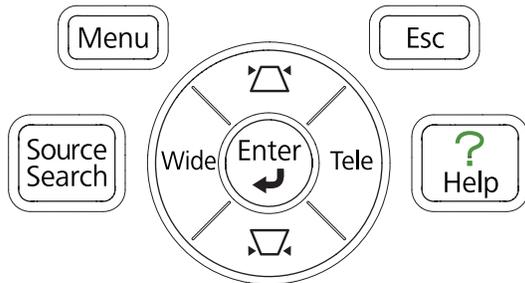
<b>Projector distance from table</b>	<b>Diagonal image size</b>	<b>Minimum table width (square)</b>	<b>Minimum table diameter (round)</b>	<b>Image height</b>	<b>Offset distance</b>
0	1245	1085	1295	612	185
25	1321	1151	1372	647	198
48	1397	1217	1422	685	213
76	1473	1285	1499	724	226

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## Adjusting the Image Size

You can use the projector's control panel to adjust the image until it is the size you want.

- Press the **Wide** button to make the image larger.
- Press the **Tele** button to make the image smaller.



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## Important Safety Instructions

Follow these safety instructions when setting up and using the projector:

- To avoid damage to your projector, you must follow the installation instructions included with the mounting system.
- Make sure the projector is in Front/Pointing Down mode for interactive tabletop projection.
- Never look into the lens when the lamp is on. This can damage your eyes and is especially dangerous for children.
- Do not lean on the projector or mount. This may cause personal injury or property damage.
- Be sure to use a cable management system so that those standing at the table do not trip or push the computer or projector off the table.
- The projector should be installed by qualified technicians using mounting hardware designed for use with this projector.
- If you apply adhesives to the mount to prevent the screws from loosening, or if you use lubricants or oils on the projector, the projector case may crack and the projector may fall from its mount. This could cause serious injury to anyone under the mount and could damage the projector. When installing or adjusting the mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants.
- Do not use the projector where it may be exposed to rain, water, or excessive humidity. Do not handle the pen with wet hands.
- Do not touch the exhaust vent; it will be hot.
- Unplug the projector from the wall outlet before cleaning. Use a dry cloth (or, for stubborn dirt or stains, a moist cloth that has been wrung dry) for cleaning. Do not use liquid or aerosol cleaners.
- Never spill liquid of any kind into the projector.
- Do not use the projector where it may be exposed to excessive dust or smoke.
- Never push objects of any kind through the cabinet slots.

- Do not use or store the projector or remote control in a hot location, such as near a heater, in direct sunlight, or in a closed vehicle.
- Do not block the slots and openings in the projector case. They provide ventilation and prevent the projector from overheating. Do not operate the projector on a sofa, rug, or other soft surface, or set it on top of loose papers, which could block vents underneath your projector. If you are setting up the projector near a wall, leave at least 7.9 inches (20 cm) of space between the wall and the air exhaust vent.
- Do not lift or tip the table after the projector is mounted.
- Do not operate the projector in a closed-in cabinet unless proper ventilation is provided.
- If you are using two or more projectors side-by-side, leave at least 2 feet (60 cm) of space between the projectors to allow for proper ventilation.
- You may need to clean the air filter and vent. A clogged air filter or vent can block ventilation needed to cool the projector.
- Do not store the projector outdoors for an extended length of time.
- Do not use the projector outside the required temperature range of 41 to 95 °F (5 to 35 °C). Doing so may cause an unstable display and could lead to projector damage.
- Do not store the projector outside the required temperature range of 14 to 140 °F (–10 to 60 °C) or in direct sunlight for long periods of time. Doing so may cause damage to the case.
- Do not touch the plug during an electrical storm. Otherwise, you may receive an electric shock.
- Unplug the projector when it will not be used for extended periods.
- Unplug the projector from the wall outlet and refer servicing to qualified service personnel under the following conditions: if it does not operate normally when you follow the operating instructions, or exhibits a distinct change in performance; if smoke, strange odors, or strange noises come from the projector; if the power cord or plug is damaged or frayed; if liquid or foreign objects get inside the projector, or if it has been exposed to rain or water; if it has been dropped or the housing has been damaged.
- Except as specifically explained in the *User's Guide*, do not attempt to service this product yourself. Refer all servicing to qualified personnel. Opening or removing covers may expose you to dangerous voltages and other hazards.
- Never open any covers on the projector except as specifically explained in the *User's Guide*. Never attempt to disassemble or modify the projector. Refer all repairs to qualified service personnel.
- Use the type of power source indicated on the projector. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.
- If you use the projector in a country other than where you purchased it, use the correct power cord for that country.
- Do not overload wall outlets, extension cords, or power strips. Do not insert the plug into a dusty outlet. This can cause fire or electric shock.
- Take the following precautions when handling the plug: Do not hold the plug with wet hands. Do not insert the plug into an outlet with dust present. Insert the plug firmly into the outlet. Do not pull the power cord when disconnecting the plug; always be sure to hold the plug when disconnecting it. Failure to comply with these precautions could result in fire or electric shock.
- Do not place the projector where the cord can be walked on.

- (Hg) The lamp(s) in this product contain mercury. Please consult your state and local regulations regarding disposal or recycling. Do not put in the trash.
- Do not place anything that can become warped or damaged by heat near the exhaust vents. Do not bring your hands or face close to the vents while projection is in progress.
- Before you move the projector, make sure its power is turned off, the plug is disconnected from the outlet, and all cables are disconnected.
- Never try to remove the lamp immediately after use because it will be extremely hot. Before removing the lamp, turn off the power and wait at least an hour to allow the lamp to cool completely.
- Do not place the source of an open flame, such as a lit candle, on or near the projector.
- Do not modify the power cord. Do not place heavy objects on top of the power cord or bend, twist, or pull it excessively. Keep the power cord away from hot electrical appliances.
- If the lamp breaks, ventilate the room to prevent gases contained in the lamp from being inhaled or coming in contact with the eyes or mouth.

**WARNING:** The cords included with this product contain chemicals, including lead, known to the State of California to cause birth defects or other reproductive harm. *Wash hands after handling.* (This notice is provided in accordance with Proposition 65 in Cal. Health & Safety Code §25249.5 and following.)