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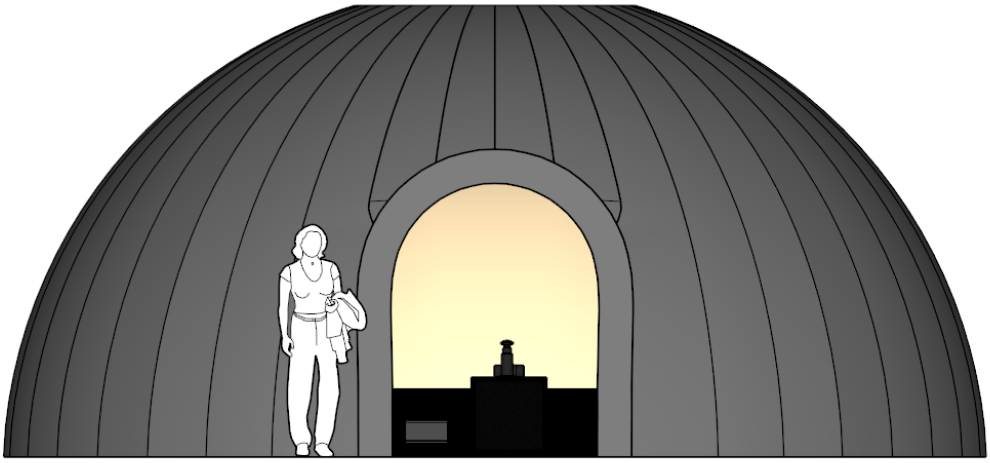
Installation Guide:
30300 GeoDome Theater Projection System

This manual details installation and operation of the OmniFocus 300 Series projection system for a GeoDome Theater. It assumes the Theater itself is already installed.



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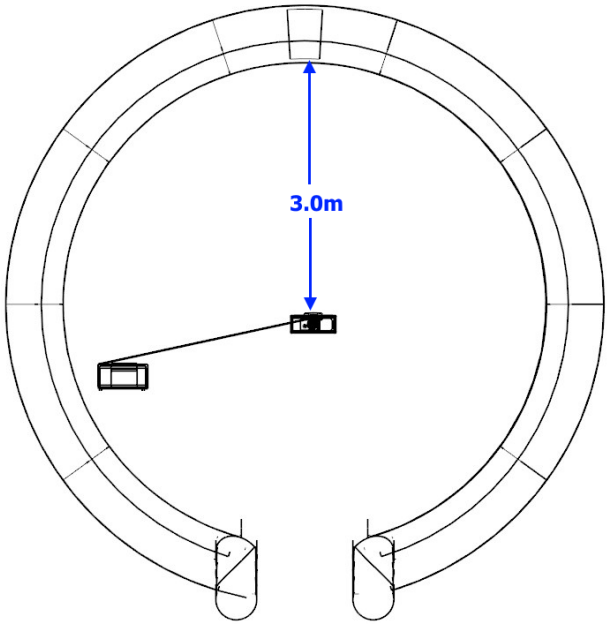
Case

The case is an "L-7" design where the "L" houses the projector and cable snake and the "7" houses the lens, speaker and laptop. After releasing all the latches, lift the "7" section slightly up and then out.

Placement

Follow the next steps to correctly place the system in the Theater.

- Roll the case into the GeoDome Theater and open it.
- Remove the projection system and place it roughly 3m from the front the screen, centered left to right. The exhaust fan should face the screen.
- Unravel the cable snake toward the back left of the Theater.
- Remove the lens from the case. **REMOVE THE BOTTOM LENS CAP** and insert it into the magnetic mount.
- Remove the speaker, connect the USB power jack and then secure it to the velcro strip on the projector frame.
- Remove the top lens cap.



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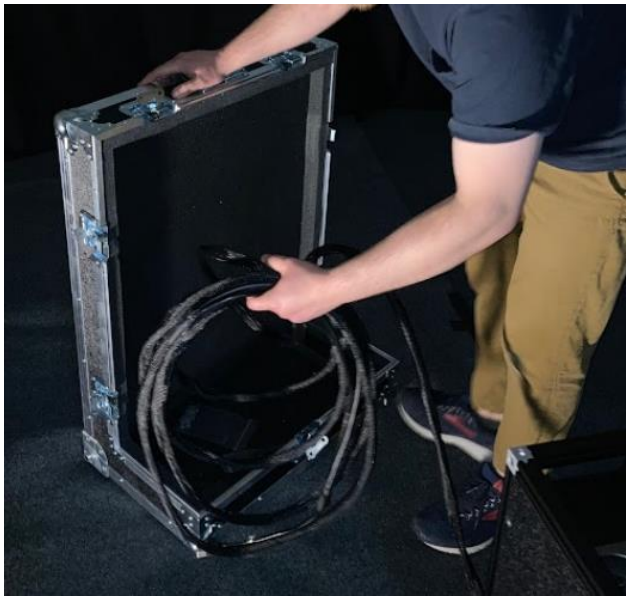

Remove Projection System and cable snake. Place 3m from the front of the screen

Connect USB power jack to the very expensive speaker then velcro in place

The speaker and bottom exhaust fans face the screen opposite the doorway.

- Use the projection system case as a table for presentation. Typically it is placed on the left of the projection unit toward the back and out of the projection. The case can be oriented vertically for standing presentations (shown) or horizontally for seated presentations.

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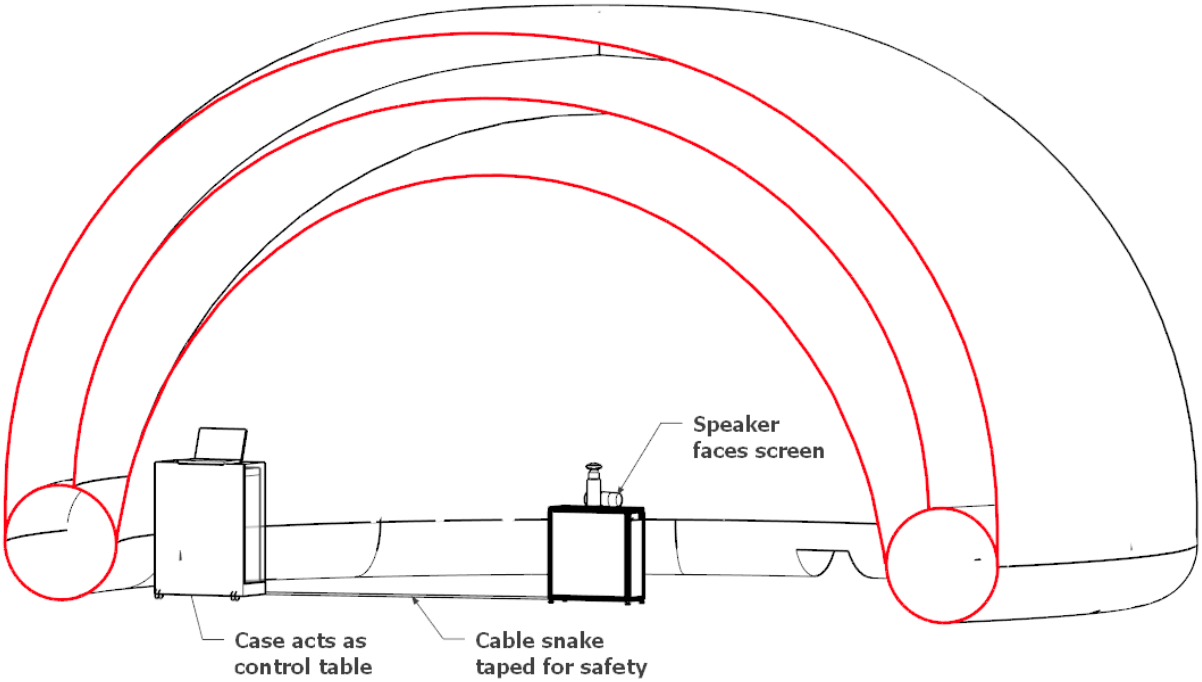
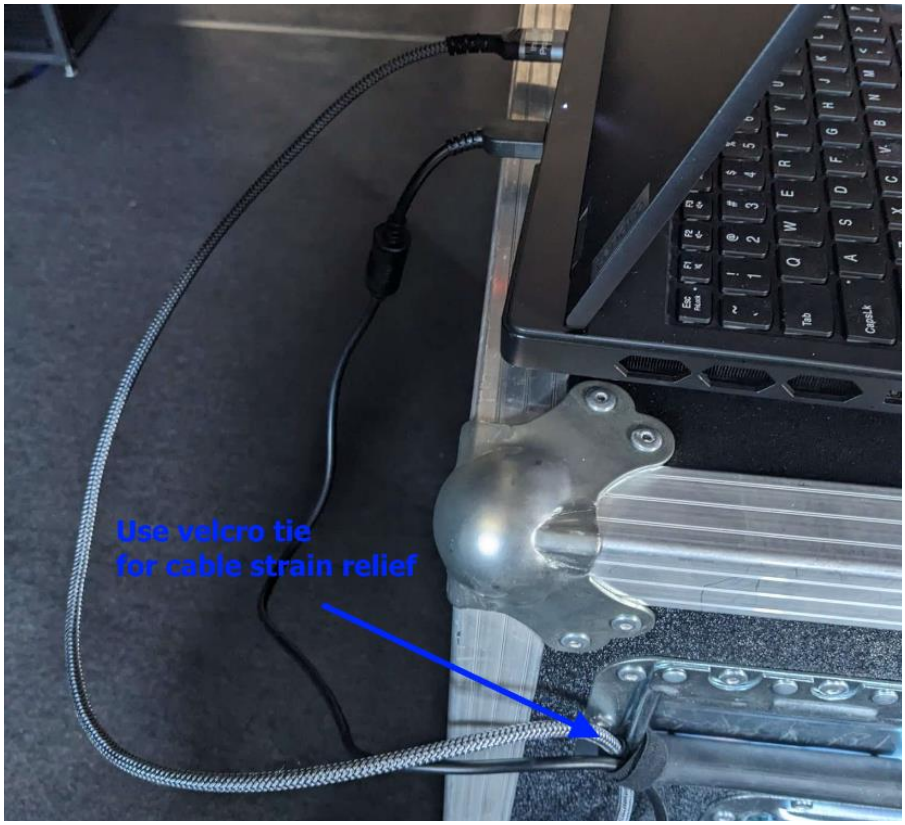


- Use the velcro band to secure the HDMI and laptop power cables to a case handle. This prevents damage from accidental trips in the dark.



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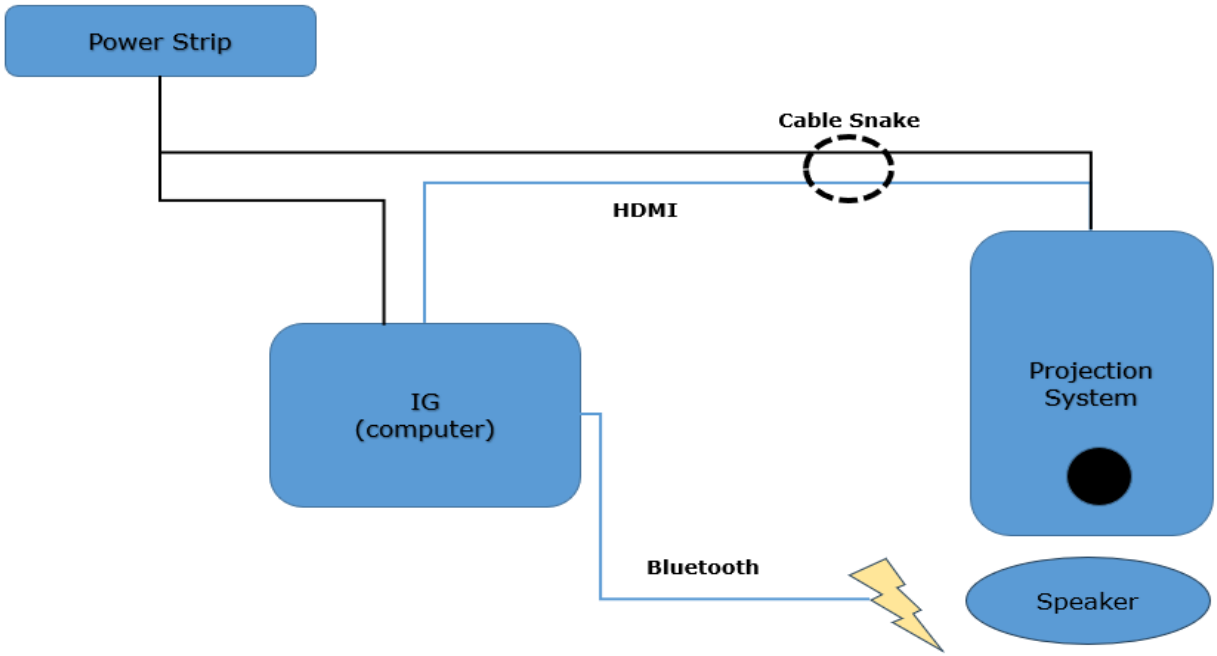
First Light

With everything placed correctly, the system can be connected and powered on. Refer to the connection diagram below

The following steps much be completed in this order exactly!

1. **Connect only the power at first.**
2. Using the remote control turn on the projector.
3. Wait until the Panasonic boot screen turns off
4. Boot the IG
5. **After both the Projector and IG are booted, connect the HDMI cable to the laptop.**
6. There should be an alignment image on both the laptop and Theater. If so, proceed to Focus and Alignment. If not, please check the Troubleshooting section.



GeoDome Theater Cable Diagram
NOTE: **The projector must be running before connecting the HDMI cable to the IG**

Shutdown

Follow the same steps but in reverse

1. Unplug the HDMI cable
2. Shut down the IG
3. Power off the projector

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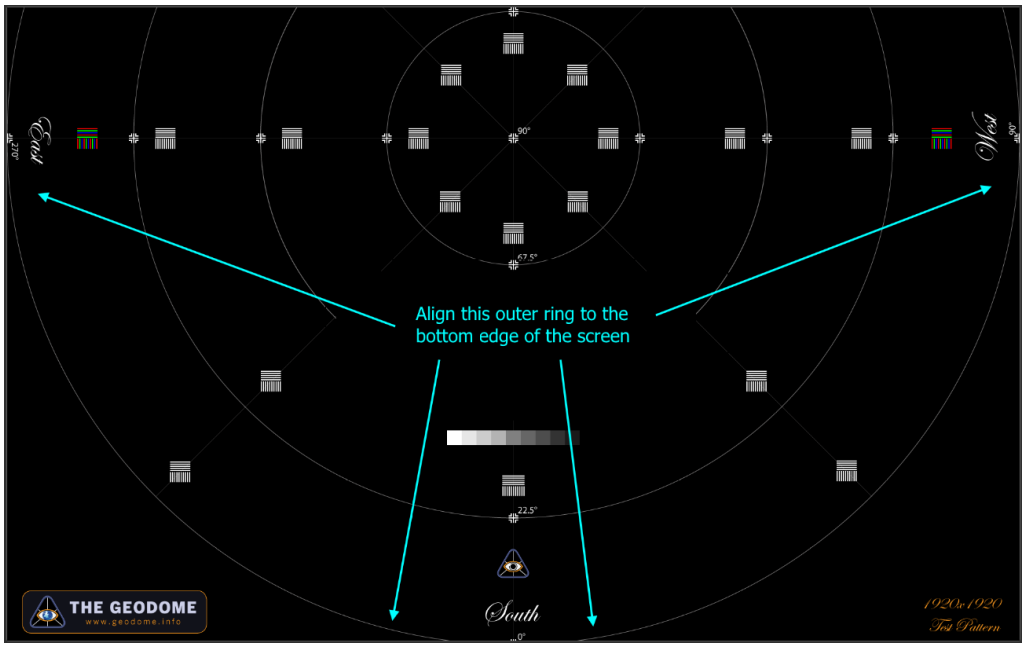
Use Desktop Image for Alignment

The default location for the projection system (3.0m from the front) is offset from center of the screen. The desktop background pattern does not account for this but it is still very useful

Using Lens Shift, shift the image until the horizon line (containing East, South and West) is level with the bottom edge of the screen. You may have to adjust Zoom to get it perfect. Use the rest of the alignment pattern to optimize focus.



Focus and Alignment

Whenever the system is installed it will require small tweaks to both focus and alignment. Use the desktop background image for this stage. This 300 Series projection system has manual Focus, Zoom and Shift. While Focus and Zoom are intuitive, the joystick controlled shift requires finesse.

Focus and Zoom

Use the two knurled rings shown below to optimize the focus and zoom

Lens Shift

Unscrew the joystick to free up the manual shifting. Move the joystick to align the image correctly on the dome. The goal is to have the outer white circle to run right along the bottom edge of the screen. This setting requires a steady hand! One trick is to slightly tighten the joystick as you get closer to the correct setting. This limits the motion and allows for more subtle shifts.

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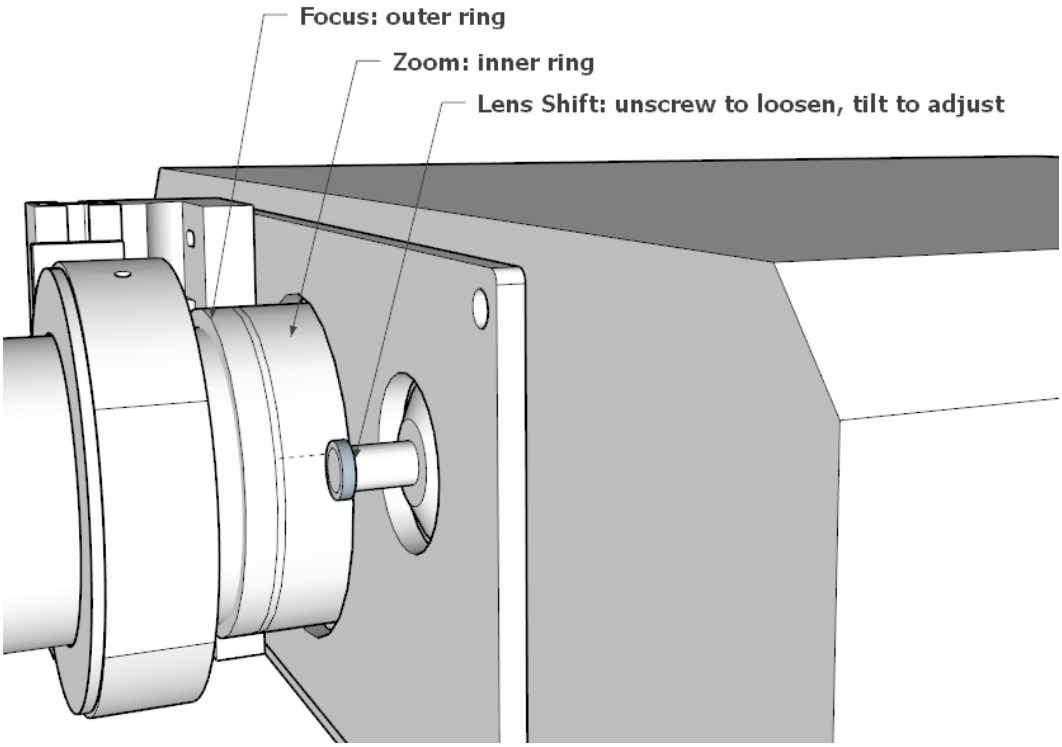
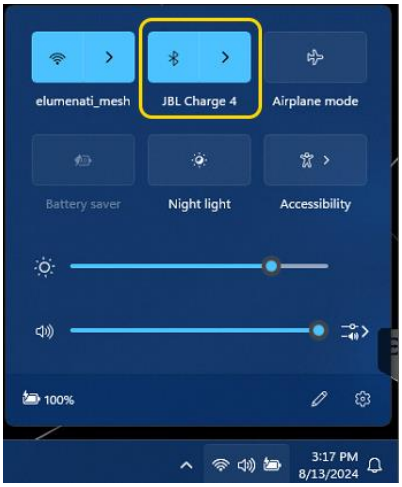


Run WorldViewer

Hit the Windows key and select the WorldViewer icon to launch. WorldViewer and WorldComposer are detailed in separate documentation.

Troubleshooting

- **No image on dome:**
  - Make sure BOTH lens caps are removed!
  - Check that the Shutter button on the remote was not accidentally pressed.
  - Of course check that the projector is on – green indicator light
- **No audio:**
  - The speaker is connected via Bluetooth. Double check that it is connected (see image)



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