

THE GHOST BUST[®] ESCAPE ROOM SYSTEM SETUP INSTRUCTIONS

POSITIONING

The positioning of the projector and bust is important for getting a good effect with the Ghost Bust. To begin, place the Ghost Bust in the spot you've chosen for it. If you'll be mounting the projector to a standard 8' ceiling, the bust should be placed on a surface that is 50.5" above the floor.

If mounting to a ceiling that's higher or lower, add or subtract the same additional inches to the height of the surface the bust will rest on. If no ceiling is available, we have free-standing projector stands available. Contact us at info@nightfrights.com to order.

TIP: Night Frights offers an adjustable riser for easy setups. See this and other cool accessories at nightfrights.com/ghostbust.

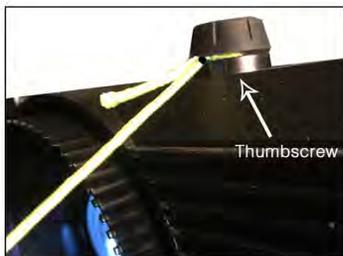
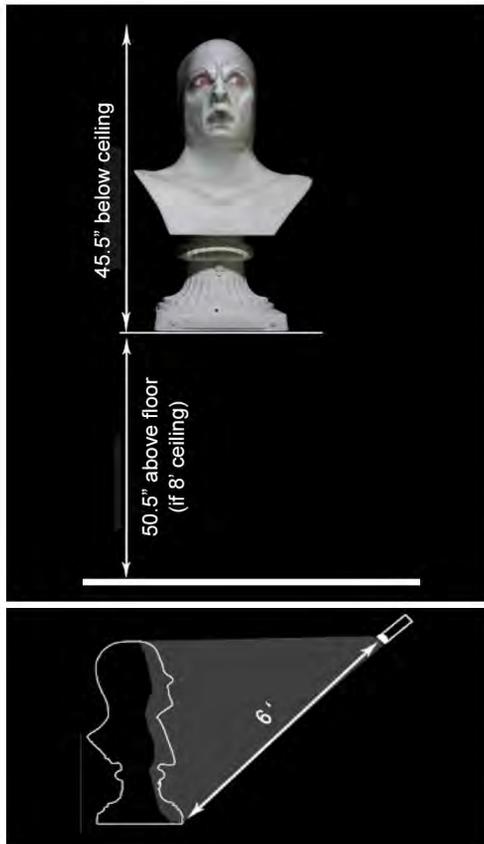
Once the bust is in its general spot, it's time to find the proper location for the projector. The projector should be mounted to the ceiling at a distance of 6' from the bust, measured from the projector lens to the name plate on the bust.

Attach the projector mount to the projector (see the instructions that accompanied the mount). Attach the yellow string included with your bust to the projector by tightening the black thumb screw located at the front edge of the projector. Have the black mark on the string just barely showing. (See photo at left).

Have someone hold the other end of the string so that the edge of the blue tape on the string just touches the bust's nameplate while you hold the projector and its mount up against the ceiling. Point the projector directly at the bust and move it backward until the string is fully extended. That's the spot to mount the projector! Mark the location of the projector mount's holes in the ceiling and attach it securely according to the instructions that came with the mount.

Look to see that the bust is right in front of the projector lens, and not off to one side.

Next, we'll connect your computer and get the Ghost Bust Live software up and running!



CONNECTING THE PROJECTOR



Make sure your computer and projector are turned off. Connect your Ghost Bust's projector to your computer using the HDMI cable that was included with your Ghost Bust system. If your computer doesn't have an HDMI output, you'll need to get a simple adapter to convert your output signal to HDMI. Amazon.com is a good source. Once connected, start up the projector, then your computer. The computer should be the LAST thing you start up.

START THE PROGRAM

Copy the Ghost Bust Live files onto your computer's hard drive, (don't try to run the software off of the thumb drive).

Don't be concerned if the software displays the Flash application icon. You do not need to have Flash active your computer.

Open the Ghost Bust Live application by double-clicking on it.

TROUBLESHOOTING

- If you're on a newer Mac and get an error message that says: **"App is damaged and can't be opened, move to trash?"**, no worries, take these simple steps:

1. Close the error message by hitting the cancel button.

Open your Mac's Terminal application (found in Applications → Utilities → Terminal)
(Using the Terminal utility may seem intimidating, but if you can type a few characters of text and drag an app icon from one spot to another, you've got what it takes! It'll take less than 30 seconds.)

2. In Terminal, type or paste the following text: **xattr -cr**

(be sure to include a space before and after the -cr part, and do not hit Enter or Return).

3. Drag the Ghost Bust Live application's icon from its new location on your computer to the Terminal window.

4. Press the Enter key. Then try opening the app, you should be good to go!

(You can watch a two-minute walk-through at youtu.be/6fqzb4qpgcs)

- If the image doesn't appear to be the right size, make sure your screen resolution is set to 1024x768.

- If you're using a PC and it doesn't automatically detect the projector so that you're not seeing your computer screen projected onto the bust, hold the Function Key down and press one of the F-keys at the top of your keyboard. The proper F-key (it's often F7), will likely have an icon of two monitor screens drawn on it, or it may say "LCD/CRT" on it. See your PC's manual for more info.

GHOST BUST SETUP INSTRUCTIONS (CONTINUED)

PROJECTOR SETTINGS

Turn on the projector by pushing the Power button on the remote. It may take it a moment to start up. You'll need to flip the projection so the image you see is right side up.

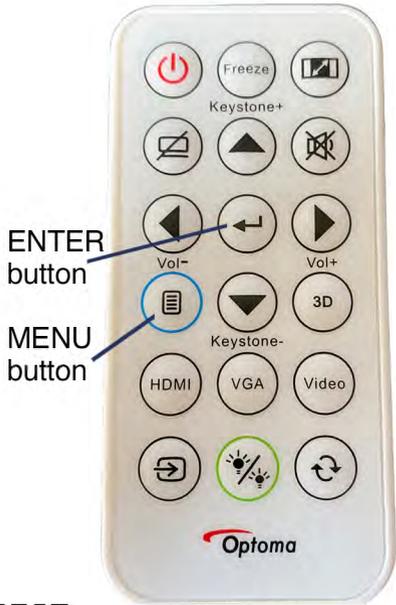
Tip: It will be easier to see the projector options if you prop a piece of cardboard or whiteboard in front of the bust to project onto temporarily.

To flip the image, press the MENU icon on the projector's remote, then use the DOWN ARROW KEY twice to select the gear icon. Press the ENTER button. Press the ENTER button again to select the Projection options. Press the UP ARROW KEY once and press ENTER until the projected text is right side up.

Double-check that the projector's aspect ratio is set to 16:9. Press the ASPECT RATIO button, and use the left and right arrow keys to scroll through the options until you see the 16:9 option. Press the ENTER button.

OPTION: Turn the Economy Mode on to double the lamp's life! Press the BRIGHTNESS MODE button and use the arrow keys to set the Brightness Mode to "ECO" (Economy Mode).

NOTE: To adjust to your room's brightness levels, you can choose a brighter or dimmer preset mode by pressing the MENU button and then ENTER three times until you get to the screen where you can audition the different video modes. Pick whichever looks best to you in your environment.



GHOST BUST SETUP INSTRUCTIONS (CONTINUED)



Leveling the bust



Leveling the projector



Checking nostril position

Use the included bubble level to check to see that the bust is level. Next, rest the level on the back of the projector or against a flat surface on the projector and get the projector as level as possible too.

Aim the projected image at the bust and focus the projector to begin the process of getting the green alignment rectangle to fit nicely within the nameplate area.

Rotate the bust so that the green rectangle looks level with the nameplate. Adjust the projector's aim and adjust the zoom lever to size the image until the distance between the red dots matches up with the two protruding dots beside the bust's nameplate.

If the face isn't looking aligned, don't worry, that happens sometimes. Let's fix that.

Once you have the alignment markers aligned, that's when you shift the projector's aim a bit so that the face looks right. At this point, you can disregard the alignment markers and just concentrate on nudging the projector so that the nostrils are in the right place and most of the projected light stays contained within the bust's borders.

When you're done using the setup screen, close the setup window by clicking on the X in the upper right corner of the shortcut menu. (You can bring it back at any time by pressing S on your keyboard.)

Dim the lights, turn up your sound system, and enjoy the show!

Storage: Be sure not to subject your bust to high temperatures! Avoid storing it in hot attics or other hot spots where excessive heat can deform its shape!

Ghost Bust Live Controls

***“Puppet Mode”:* Use the Space Bar to Talk**

To make the Ghost Bust appear as if he’s talking, press the space bar in time with each syllable you speak. With a little practice, you’ll be puppeting the Ghost Bust like a pro!

Return Key:

At any moment, you can press the Return key to make the Ghost Bust do a little something special, based on his character. Monsters let out a scream, Einstein rips a Raspberry, Clue Master rolls his eyes, etc.

Tab Key:

Press the Tab key to show or hide the setup menu that includes the list of keyboard shortcuts.

***“Audio Mode”:* Use the Number and Letter Keys to Trigger Custom Audio Files**

Ghost Bust Live includes the ability to play up to 36 pre-recorded audio files to automatically control the Ghost Bust’s jaw, enabling you to create your own custom routines quickly and easily. The files can be created using audio recording and editing software downloaded from the internet in order to have the Ghost Bust say whatever you deem appropriate for your particular haunt or escape room.

Inside the audioFiles folder, you’ll find 36 sample audio files that are there as placeholders and to allow you to try this feature out with some various pre-recorded recordings. When you go to create your own customized audio files, keep in mind the following tips:

- Files must be saved as .mp3 files and named “audio1.mp3”, or “audio2.mp3”, etc
- Files must be saved in the “audioFiles” folder, and the folder must be kept in the same location as the “Ghost Bust Live” application file
- If you plan on adding music, sound effects, or reverb/echo, **add them to the RIGHT channel only**. Leave the LEFT channel dry with only voice (no effects). Otherwise, the character’s mouth will be triggered by those other non-vocal sounds/effects.
- If your audio editing program has a “Normalization” function, use it to Normalize the audio to -1db so that it’s consistently nice and loud.
- If you’d like a professional recording created using a script you’ve written, no problem!

Visit nightfrights.com/haunt-and-escape-room-audio to order your own custom recording.

**RECOMMENDED ACCESSORIES
FOR YOUR GHOST BUST®**



AVAILABLE AT WWW.NIGHTFRIGHTS.COM

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