

Slide Projector

Objective: Given instructions and the materials listed below, students will load an empty slide tray with 7 slides, including two opaque slides and project them onto a screen using a slide projector. Set-up and loading should be completed in 7 minutes or less. The projected image must be correctly oriented on the screen, centered, fill the screen, and be focused. Students must also demonstrate the correct procedure for recovering a jammed slide.

Materials: slide projector, slide tray with locking ring, 10 slides, remote control

Operating the Slide Projector

Instructions:

1. Turn the projector upside down and remove the power cord from the storage compartment underneath the projector.
2. Place the machine on a table or cart, making sure that the lens points toward the screen.
3. Select the appropriate setting for the automatic timer switch: M for manual, or any of the other numbered settings for automatically timed advancement per selected number of seconds.
4. Connect the remote control plug to the back of the projector.
5. Turn the power switch to low for very dark rooms and to high for rooms that cannot be completely darkened.
6. Place the loaded slide tray onto the projector top and rotate it until slot #0 is opposite the gate index. The tray should seat itself on the projector top.
7. Use the advance button, either on the machine or on the remote control to advance to slot #2, the first imaged slide.
8. Make sure the projector is far enough away from the screen so that the projected image fully fills the screen.
9. Adjust the height of the projector with the elevating knob, so the picture is centered on the screen.
10. Adjust the leveling foot, so that the image is not slanted on the screen
11. Focus the screen image with the focus knob.

12. Use the reverse button to return to the opaque slide so that presentation can begin in a darkened setting.
13. Advance through the slides using the remote control.
14. When projection is complete, use the select button to rotate the tray to slot #0, then lift the tray off the projector.
15. Turn the projector to fan and allow it to cool before moving it.
16. When the lamp has cooled, turn the power switch to off.
17. Lower the projector to its lowest level. Check both the elevator foot and the leveling foot.
18. Retract the projection lens by turning the focus knob counter-clockwise until the lens is flush with the lens housing.
19. Unplug the power cord and replace it in the storage compartment underneath the slide projector.

Tips:

It is much faster to rotate the slide tray for long distances by holding the select button down and turning the tray. Release the button when you have reached the desired position.

Note: Slide projectors are often used with audio cassette players and synchronized audio tapes. When using a synchronized audio tape, connect the cassette player to the slide projector with a "sync" cable (Short for "synchronize"). One end goes into the remote control panel of the slide projector and the other end goes into the sync panel of the side of the Wollensak cassette player. Set the projector up as usual; turn the projector to low and the cassette player to play. The tape will automatically advance the slides.

Instructions for Loading an Empty Tray:

1. Remove the lock ring on the top of the tray by turning it counter-clockwise and then lifting it off.
2. Turn the tray upside down and see if the slide retaining plate is locked in place. If it will not rotate, it is locked in place. If it does rotate, turn it until it clicks and locks in the locking mechanism (at slide slot #0).
3. Turn the tray right side up and hold it so that slide slot #1 is to your right.
4. Insert an opaque slide into slot #1, if needed.
5. In one hand, hold the first slide to be projected by its bottom edge. It should be oriented so that you can see the image as it will be projected.
6. Rotate the slide 180 degrees so that the bottom edge now becomes the top edge and the slide is upside down.
7. Insert the slide into next available slot.
8. Repeat steps 4-7 for the remainder of the slides.
9. Place an opaque slide in the slot following the last slide to be projected.
10. Immediately place the lock ring on top of the tray and turn it clockwise until it fits evenly and snugly in the grooves.
11. Set the loaded slide tray aside.

Troubleshooting:

When a slide projector does not operate:

1. Make sure the projector and/or the extension is plugged into the power socket.
2. If the projector is turned on and only the fan comes on, the bulb may be out. Switch to the high or low bulb setting.
3. If the projector will not focus, the projector may be too far from or too close to the screen or the lens may not be properly installed. Turn off the "auto focus" and try to focus manually.
4. Always allow this equipment to cool down before moving.