4D EIKI Projector Instructions

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EIKI Film Projector User Guide

NOTE: DOUBLE SPLICES ARE NOT NECESSARY AS LONG AS THE SPLICES ARE DONE WELL, BUT BRING A SPLICER, SPLICING TAPE AND LEADER to repair splices and breaks that may occur while projecting. WILL ALSO NEED 2 SPLIT REELS to use this double system projector.

Check plug to see if Video Projector is plugged in. Both projectors can’t be plugged in at the same time.

Make sure use a take up reel with at least a 4 inch hub or larger. Can’t use split reels as take up reels.

Can and should use split reels for the supply feed reel. Put film on a split reel and put sound mag on a split reel as well.

Film needs to be unwinding clockwise with sprockets closest to you when facing the projector. Emulsion (dull) side needs to be on the inside of the unwind. Shiny side out.

Thread the film off the supply reel and put the film into the gate so that the hole punch shows through the window of the projector gate.
This is the Threading Diagram to follow but see pictures below for more detailed description.

Keep set to the Over 2000 ft reel selection but to release tension in the reel for threading set to the Under 1800 ft. reel selection.

Spool off source reel and thread through the first gate and into the lens gate. Make sure the loop here is as tall as the top of the projector.

This loop pictured may be a little big.
Place the film with the hole punch lining up with the window in the lens gate.

Window where the hole punch will line up in the gate.

Pull down the lever on the gate to open it in order to thread the film after the hole punch is lined up with the window in the lens gate.
Thread through the lens gate then through this gate located below. Make sure there is a loop that is a little bigger than your thumb here.

Close the gate to hold film in place with the hole punch lined up with the window in the lens gate.

Close the lens Turret so that it is over the film.
| **Thread the film as shown around these spindles.**
| There are no sprockets on these but there are sprockets on this gate. Make sure it is closed after film is threaded. |

| **Follow the threading path as shown here.** |
| Winds around these lower spindles. |
Close up of the spindles above.
<table>
<thead>
<tr>
<th><strong>Show the Annotations Toolbar</strong></th>
</tr>
</thead>
</table>

| **Continue around the tape up** |
| **lever here** |
| **This lever will have to be** |
| **steadied while film first starts rolling.** |

<p>| <strong>Wind on to the take up reel.</strong> |</p>
<table>
<thead>
<tr>
<th>Left</th>
<th>Right</th>
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</thead>
<tbody>
<tr>
<td>Leave on Mag With Optical Sensor turned off. If running a single system playback then turn on and switch to OPTical sound.</td>
<td></td>
</tr>
<tr>
<td>Leave Current set to 30% The higher the Current setting the brighter the throw. Turn on the main projector power.</td>
<td></td>
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</tbody>
</table>
NEVER PRESS MORE THAN ONE BUTTON AT A TIME. DOING SO WILL CAUSE INTERNAL FUSES TO BLOW.

Turn on Power Button only.

Make sure the take up reel is taught. Might need to lift the lever shown above to engage the motor.

Make sure this Sensor switch is off.
<table>
<thead>
<tr>
<th>Press Trial Film Advance to test film playback.</th>
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<tbody>
<tr>
<td>Will have to ride this lever until film starts to roll. Could pull the film and break if not moving with the film. Gently ride this with your hand just till film starts rolling.</td>
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</table>
To start film rolling.
Press Power then lamp. Light the lamp and then press Forward to start the film rolling forward then open the dowser by pressing the Dowser button.

Ignore Auto and Changover.

Focus the image using this knob.
This knob on top of the projector will adjust the gate up and down.

The next step is to set up the "Audio Playback Dubber"
Thread the mag stock off the reel with the dull side coming off the inside of the reel.

Thread the mag stock through the spindles as shown here.
| Turn on the Main Power | Thread over the heads as shown here.
|-----------------------|---------------------------------------------
|                       | Hole punch should be lined up with the 3rd head.
|                       | Slide the mag stock at the sync point under the metal plate so the hole sync punch is lined up right on top of the third sound head of the recorder.
|                       | Press DE-CLUTCH to manually adjust framing of the hole punch using the big knob shown below.
Manual adjustment knob for moving the mag stock manually.

Slide the mag stock at the sync point under the metal plate so the hole sync punch is lined up right on top of the sound head (3rd head) of the Mag Dubber.

Lift Lever to engage the torque moter so mag stock becomes taught.
Press INT. ON to turn on Interlock. This will track the movement of the projector and roll the Mag automatically.

Turn on the Film Projector Lamp. Power should already be on from earlier. Next turn on the LAMP. Make sure lamp ignights. To start the film rolling press the FORWARD button. Make sure to ride the take up reel lever. Once the film is rolling steadily then turn on the DOUSER to expose the film to the lamp.

**REMEMBER IF THERE IS A PROBLEM TURN OFF THE DOUSER SO FILM WON'T GET BURNED.**

Turn on tracks 3 & 4.

Set up the 4D mixer to output the sound from the projector mag playback.

Turn on Channel 13/14 make sure that 3-4 (audio send) is pressed.

Turn on Channels 3 & 4 on Main outputs.
In 4D control room pull patches from the protools out into the soundweb and patch the 4D Aux 1 and 2 out into the Soundweb Aux 1 & 2 input

Patch into the Soundweb inputs marked

Web 1 In 1 and Web 2 in 2
<table>
<thead>
<tr>
<th>In 4D studio change the input of the SoundWeb to PatchBay from AV Rack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Push this button to toggle back and forth</td>
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<tr>
<td>On the back side of the Film Projector is the audio Line output</td>
</tr>
<tr>
<td>Use this with Single System playback not for Double System.</td>
</tr>
<tr>
<td>When finished rewind film and mag on the rewinding bench</td>
</tr>
</tbody>
</table>
| Turn off Lamp but leave FAN on for 10 minutes.  
  Turn off Sound recorder.  
  Turn off projector breaker.  
  Turn off fan after 10 minutes. |
Main Power
Off  On

Current Adjuster

On

Off

Power SW.