

FX

Special Effects Slide Projector Instruction Manual



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Introduction

The Navitar FX is the most advanced slide projector on the market today. Navitar has enhanced the industry standard Kodak slide projector by adding the following features to the Kodak Ektagraphic III, AMT slide projectors:

- 50% more brightness with the Navitar BrightLight lamp module.
- Built-in timer delay between slides.
- Built-in fade/dissolve mechanism during slide advance.

Projector Set-up

1. Read your Kodak operating instruction manual to understand the operation of your projector's primary functions.
2. Plug the Navitar FX Projector into the wall outlet. Turn the projector's power switch to FAN ONLY.

Do not turn the projector lamp power switch to the high setting, the Navitar Dissolve will operate the lamp.

In the lamp position, your FX Projector will operate like a non-modified (non-dissolve) slide projector.

Changing the Lamp

Increased Brightness

Your Navitar FX projector comes equipped with a Navitar BrightLight lamp module, giving you 50% more brightness than a conventional slide projector. This significant increase in brightness allows your slides to be seen clearly even over long projection distances or when the room can't be completely darkened.

Selecting a Replacement Lamp

The lamp supplied is a General Electric EXW (300 watt 82 volt lamp). This GE lamp has been chosen for its maximum brightness and color temperature. It most closely matches the optical coating of the mirror, condensor and heat filter in the Navitar BrightLight lamp module.

You can select from any of the following GE replacement lamps:

GE Lamp	Foot Candles	Bulb Life (Hours)
EXW	200	15
EXR	165	35
FHS	130	70
EXY	105	200

*Based on standard 1 meter wide image projected with Navitar 7" F2.8 lens.

Operating the Fader

Built-in Fade/Dissolve Mechanism

The Navitar FX projector has a built-in fade/dissolve mechanism to give you seamless, professional looking transition between slides without an expensive external dissolve controller. With Navitar's FX projector, your slide image fades to black, then the projector advances to a new slide, adjusts focus and fades up to full brightness.

Pushing the Advance Button

To operate the fader with the advance button, turn the projector to the FAN position, turn the TIMER ON/OFF switch to OFF, set the DISSOLVE RATE control to the desired cycle time (1-12 seconds) and push the FORWARD button on the side.

Note: the unit fades out the lamp, advances the projector and fades the lamp back up at your selected rate.

Kodak Remote Control

To operate the fader using the Kodak Remote Control, turn the projector to the FAN position. Plug the Kodak Remote Control that came with your projector into the 5 pin socket on the rear of your projector.

Turn the TIMER ON/OFF switch to the OFF position. Push the FORWARD button on the remote control to initiate the fader at whatever rate you have set. Depending where the dissolve rate is set, the advance could take a few seconds.

The REVERSE button operates the projector's normal reverse cycle without dissolve. Always hold down REVERSE for about a ½ second for reliable projector reverse cycling.

If you have remote focus on your projector and control, it will operate normally.

Timer Delay Between Slides

To operate the fader with timer delay between slides, turn the projector to the FAN position. Set the TIMER switch to ON. Set the TIMER DELAY control to the desired time between cycles.

The Navitar FX will wait your set DELAY time between slides, then will operate the dissolve cycle at your selected RATE. It will continue this process for each slide as long as the TIMER ON/OFF switch is ON.

Operating as a Standard Projector

To operate as a standard, non-modified projector, turn the TIMER ON/OFF switch to the OFF position. Turn the POWER switch to the HIGH position.

Optional Remote & External Dissolve Controller

Operating Optional Proportional Remote

To manually fade the lamp on and off, you must use the optional Navitar Proportional Remote Control.

Shut the TIMER ON/OFF switch to OFF. Then turn the remote full counterclockwise (zero ohms) and connect the proportional remote to the Navitar FX remote socket located next to the dissolve knob.

The projector lamp will stay on. Now slowly turn the remote clockwise and note the projector's lamp dimming. When the lamp is off, continue to turn the control and the projector will automatically advance.

Wait for the projector to finish its advance cycle and then turn the control counterclockwise to turn the lamp back on.

The PROPORTIONAL REMOTE socket can be used as a remote ON/OFF for the fader and timer.

Connecting to an External Dissolve Controller

Plug the enclosed phono jack into the remote socket (next to the dissolve knob). This will defeat the internal dissolve/timer controls. Now your projector can be used in a multi-media show and controlled by an external dissolve controller (AVL, Arion, etc.).

Specifications

For general projector specifications, refer to your Kodak manual.

Navitar FX specifications are as follows:

Dissolve

1-12 second variable.

Timer

1-10 second variable.

Lamp

GE Model EXW.

Remote Control

Standard Kodak 5 pin remote control.

Multi-media

Insert phono jack into remote socket (located next to dissolve knob) to defeat built-in dissolve/timer controls.

Manual Dissolve

Connect the Navitar proportional remote control to the remote socket located next to the dissolve knob.

Warranty

1 Year Parts/1 Year Labor

This product is warranted to be free from defect in material and workmanship for a period of one year from the date of invoice to the original purchaser.

If during the warranty period the product is found to be defective, it will be repaired or replaced at the facilities of Navitar. However, Navitar reserves the right to refund the purchase price if the replacement or repair is not commercially practical or timely. Parts not manufactured by Navitar carry only the warranty of their manufacturer. Lamps and fuses carry no warranty.

This warranty does not cover damage caused in transit; damage caused by misuse, neglect or carelessness; or damage resulting from either improper servicing or modification by someone other than Navitar. Further, this warranty does not cover any routine maintenance work that is reasonably expected to be performed by the purchaser.

No responsibility is assumed for unsatisfactory operating performance due to environmental conditions such as humidity, dust, corrosive chemicals, deposition of oil or other foreign matter, spillage or other conditions beyond the control of Navitar.

For service, repair or return procedures under this warranty, contact your distributor, your local Navitar field officer or Navitar direct at 585-359-4000 or 1-800-828-6778 in the United States.

Except as stated herein, Navitar makes no other warranties, expressed or implied by law, whether of merchantability, fitness for a particular purpose or otherwise. Further, Navitar shall not, under any circumstances, be liable for incidental, consequential or other damages.