

KODAK SP Dissolve Control Operating Manual



PRESENTATION TECHNOLOGIES

IMPORTANT SAFETY INSTRUCTIONS

When using your KODAK SP Dissolve Control, basic safety precautions should always be followed.

- 1) Read and understand all instructions before using.
- 2) Close supervision is necessary when any unit is used by or near children.
- 3) Do not operate the unit with a damaged cord or if the unit has been dropped or damaged—until it has been examined by a qualified service person.
- 4) Position the cord so that it is not tripped over, pulled, or placed in contact with hot surfaces.
- 5) If an extension cord is necessary, a cord with a current rating at least equal to that of the unit should be used. Cords rated less amperage may overheat.
- 6) Always unplug the AC Adapter from electrical outlet before cleaning or when not in use. Never yank the cord to pull the AC Adapter from an outlet. Grasp the AC Adapter and pull to disconnect.
- 7) Let the unit cool completely before putting away. Loop cords loosely around the unit when storing.
- 8) To avoid the risk of electrical shock, do not immerse or expose the unit to water, or other liquids.
- 9) To reduce the risk of electrical shock, do not disassemble the unit. Take it to a qualified service person when service or repair work is required. Incorrect reassembly can cause electrical shock when the SP Dissolve Control is subsequently used.
- 10) Connect the AC Adapter and projectors to a properly wired, grounded outlet.

SAVE THESE INSTRUCTIONS

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FRONT PANEL DESCRIPTION

1) **Dissolve Keys**

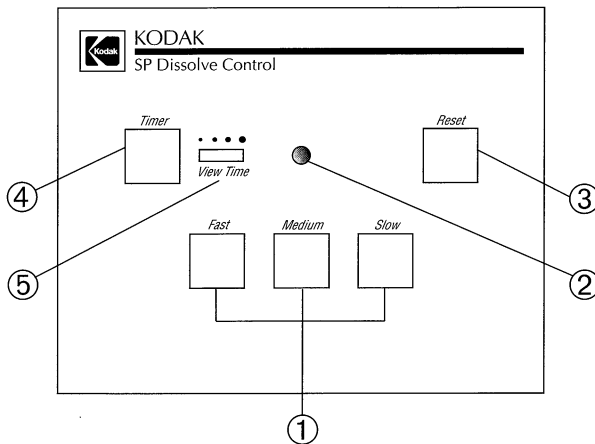
The **Dissolve** keys create dissolve effects. Each time a key is pressed, one lamp fades on while the other fades off. Each key is labeled with the speed. When a lamp has completed fading off, the tray advances to the next slide.

2) **Ready**

The **Ready** indicator light shows that the KODAK SP Dissolve is ready to accept another command (press of a key). The **Ready** indicator remains off while a projector is busy fading, advancing or reversing. If a command is given to the KODAK SP Dissolve before the **Ready** indicator lights, it may create undesirable results.

NOTE: The **Ready** indicator also serves as the power indicator.

KODAK SP DISSOLVE CONTROL FRONT PANEL



3) **Reset**

The **Reset** button turns off both projector lamps and returns the slide trays to their starting positions (normally tray position 1).

4) **Timer**

The Timer feature creates continuous dissolves. Any of the dissolve rates can be used with the **Timer** feature.

5) **View Time**

The **View Time** switch provides additional flexibility to extend the total projection time of a slide. It is used in conjunction with either the **Alternate** or **Timer** feature. Its effect on the total projection time is variable, depending on the dissolve time selected. (See chart on page 6)

BACK PANEL DESCRIPTION

1) **Power**

The **Power** switch turns the KODAK SP Dissolve Control on and off. It does not control the power to the projectors.

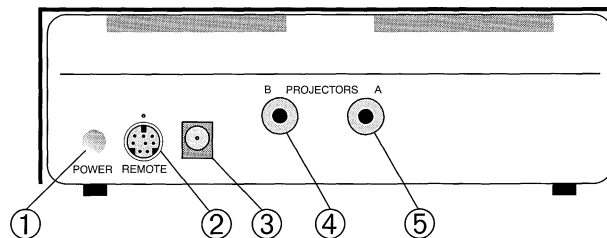
2) **Remote**

The **Remote** receptacle allows control from a remote location. This 8-Pin Mini-DIN style connector accommodates most KODAK EC Remote Controls by using the Remote Control Cable Adapter supplied with your SP Dissolve Control.

Pressing the Forward button, on a KODAK EC Remote Control, starts a 1-second dissolve. Pressing the reverse button performs a reverse dissolve. Remote Controls with a Focus button allow a 1/2-second dissolve.

NOTE: Although the KODAK EC Remote Control is limited to Forward and Reverse functions, other remotes are able to use the 8-pin connector to access all of the features available on the KODAK SP Dissolve Control.

KODAK SP DISSOLVE CONTROL BACK PANEL



3) **AC Adapter In**

This receptacle accommodates the KODAK SP Dissolve Control AC Adapter. Replacement AC Adapters can be found at most audio/video stores. Only use AC Adapters that are rated **12 Volts DC, and at least 250 mA** (milliamperes).

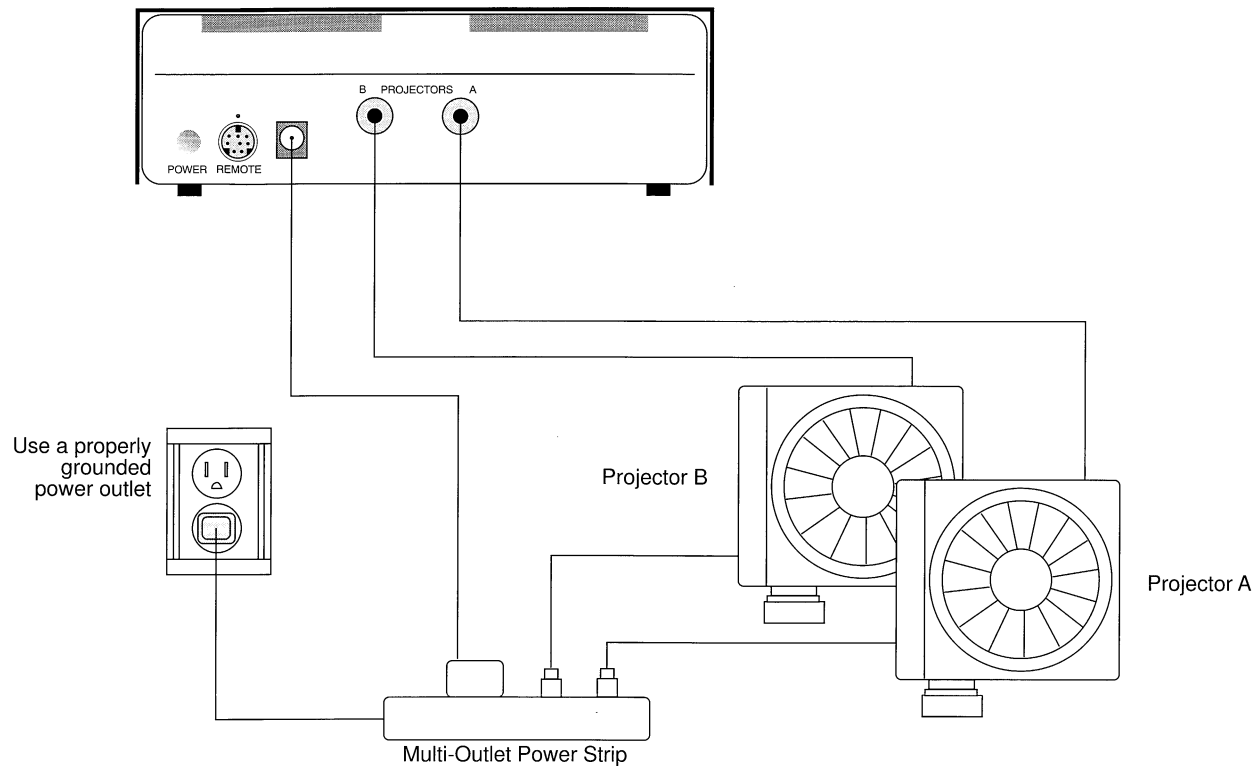
4) **B Projector**

The **B Projector** (Professional Models Only) control cord plugs into the remote control receptacle of the **B Projector**. *The projector lamp must not exceed 300 watts.*

5) **A Projector**

The **A Projector** control cord plugs into the remote control receptacle of the **A Projector**. *The projector lamp must not exceed 300 watts.*

SETUP CONNECTION DIAGRAM



SETUP PROCEDURE

Before you begin, set the power switches on all equipment to OFF.

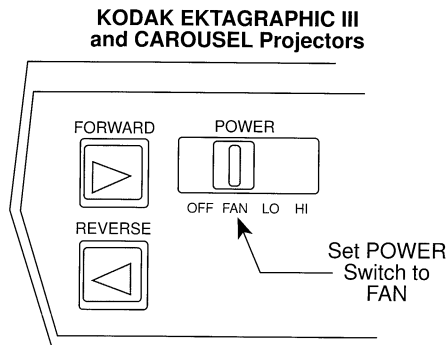
- 1) Plug the projector power cords into a multi-outlet power strip.
- 2) Plug the AC Adapter of the KODAK SP Dissolve Control into the same multi-outlet power strip as the projectors.

IMPORTANT: The projectors and the KODAK SP Dissolve Control must get their power from the same wall outlet.

- 3) Plug the projector control cords of the KODAK SP Dissolve Control into the Remote Control Receptacles found on the projectors.
- 4) Set the power selector switch of the projectors to the FAN position. The projector fans turn on however, the lamps remain off.
- 5) Push the power switch of the KODAK SP Dissolve Control to **On**.
- 6) Set the trays to position 1, the starting tray position.

SETTING SLIDE PROJECTOR CONTROLS

Slide projector controls differ in the way they turn power on and off to the projector lamps. For example Kodak slide projectors have a single slide switch, as shown below. With Kodak projectors, the **POWER** switch must be set to the **FAN** position for the KODAK SP Dissolve Control to operate properly. Having the **POWER** switch in either the **LO** or **HI** positions prevents the SP Dissolve Control from fading the lamp on and off.



FOCUS AND ALIGNMENT

Use alignment slides to give your presentation the professional look. Place the alignment slides into tray position 80 if you are using slide trays having a capacity of 80 slides, or position 140 for 140 slide capacity trays.

- 1) Using the tray positioning controls found on the projectors, move each tray to the position containing the alignment slides (if you do not have alignment slides, use full-frame slides).
- 2) Turn the A Projector lamp on using the controls on the projector Lo or Hi positions. Focus, size and align the image. Turn the lamp control back to the FAN position.
- 3) Turn the B Projector lamp on using the controls on the projector. Focus, size and align the image.
- 4) Turn the A Projector lamp on again. Superimpose both the slides, and align them. Set both projector power switches back to the FAN position.
- 5) Move the trays back to the start position.

NOTE: As you finish the alignment, make sure that the projector power selector switches **are set to the FAN position**.

FAMILIARIZATION

The best method for becoming familiar with the KODAK SP Dissolve Control is to start “pushing buttons.” Like your 35 mm camera, the SP Dissolve Control has several features and controls. Each feature is explained and supported with an example. However, like your 35 mm camera, it is up to you to combine these features to produce what we call “a slide show!”

Dissolve Keys

The SP Dissolve Control has three precision dissolve rates. An internal computer calibrates each dissolve providing accurate, reproducible dissolve effects. The result is a beautiful, flowing transition of images.

NOTE: Wait for the **Ready** indicator to turn on before pressing another dissolve key. Rushing a dissolve in progress results in “choppy” screen effects.

Example:

Press the *Medium* (2-second) **Dissolve Key**

Lamp A fades on

Press the *Medium* (2-second) **Dissolve Key**

Lamps dissolve from A to B

Press the *Fast* (1/2-second) **Dissolve Key**

Lamps dissolve from B to A

Press the *Slow* (4-second) **Dissolve Key**

Lamps dissolve from A to B


Continue trying different dissolve rates in varying combinations.

Timer

The Manual Timer feature is a very versatile tool for creating continuous dissolves.

Press **RESET** to go on to the next sample.

Example 1:

Set the **View Time** switch to 

Press the *Medium* (2-second) **Dissolve Key**

Lamp A fades on

Press the **Timer** button

The Timer indicator begins flashing

Press the *Slow* (4-second) **Dissolve Key**


Continuous dissolves begin. The Timer indicator is on steady

Move the **View Time** switch to 

The viewing time for each image increases to 7.6 seconds

Press the *Fast* (1/2-second) **Dissolve Key**

The dissolve speed changes to *Medium* (1/2 second); total time decreases to 4.25 seconds

Move the **View Time** switch to 

The viewing time decreases to 2.5 seconds

To turn the Timer off:

Press the **Timer** button.

The Timer indicator begins to flash, then turns off


Example 2:


To show 45 slides with a piece of music lasting 3 minutes, 30 seconds (3:30).

- 1) Convert 3:30 to seconds
 $60 \times 3 = 180 + 30 = 210$ seconds.
- 2) Divide the 210 seconds by the 45 slides
 $210/45 = 4.7$ seconds per slide (rounded).
- 3) Look under **Seconds Per Slide** on the chart.
Find the combinations that come the closest.

In this example there are two possibilities. One uses a dissolve rate of 1 second while the other uses a 2-second dissolve rate. This is how you would set the KODAK SP Dissolve Control for this first possibility.

Press *RESET* to go on to the next sample.

- 1) Set the **View Time** switch to 
- 2) Press the **Timer** button
The Timer indicator begins to flash

VIEW TIME 

If dissolve rate is:	Total Projection Seconds per Slide			
<i>Fast</i> (1/2 second)	2.5	3.25	4.25	6.25
<i>Medium</i> (2 seconds)	3.9	4.7	5.7	7.7
<i>Slow</i> (4 seconds)	5.8	6.6	7.6	9.6

- 3) Press the *Medium* (2-second) **Dissolve Key**
Continuous dissolves begin; the **Timer** indicator is on steady
- 4) As the last slide fades on, press the **Timer** button to stop
The Timer indicator begins to flash, then turns off

REMOTE CONTROL

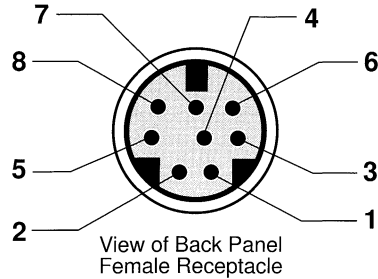
The KODAK SP Dissolve Control has a provision for control from a remote location. Any Kodak (or similar) slide projector remote control may be used (**an adapter is required:** 8-pin male Mini-DIN to 5-contact female EBY).

With this type of remote, pressing the FORWARD button will perform a 1-second dissolve. Pressing REVERSE will perform a reverse dissolve. Pressing the FOCUS button causes a 1/2-second dissolve.

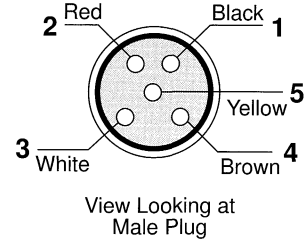
The Remote Control Chart shows the pins of the Remote Control Receptacle (on the back panel of the Dissolve Control), and the KODAK EC Remote Control (supplied with most Kodak projectors).

Use the Remote Control Chart to configure a remote control to best suit your particular needs.

Remote Control Receptacle



KODAK EC Remote Control



Remote Control Adapter Cable

Pin No.	Remote	Kodak EC	Pin No.
1	12 VDC	Focus	1
2	Common	Forward	2
3	Standby	Reverse	3
4	Timer Feature	Spare	4
5	1/2 Sec Dis	Common	5
6	Reverse Dis		
7	1 Sec Dis		
8	Reserved		

TERMINOLOGY

Each business, industry or trade has its own group of special terms. Following is a group of the most commonly used terms used in the business of producing a slide presentation.

Projector Control Cord—A permanently attached cord leading from the KODAK SP Dissolve Control, terminating with a seven-pin male plug. This cord contains the wires for the forward, reverse, focus, and lamp control for one projector.

Projector Power Selector Switch—The switch found on most Kodak slide projectors have one slide switch that has Off, Fan, and Lamp On positions.

Projector Remote Control Receptacle—The receptacle found on the back panel of most projectors. It is usually a seven-contact, female receptacle. The Projector Control Cord from the SP Dissolve Control is plugged into this receptacle.

Dissolve—The process of one lamp fading off (or on) while another is fading on (or off).

Keystone Distortion—Distortion caused by projecting an image onto a screen with the projectors aimed at an angle other than 90 degrees to the screen plane.

TROUBLESHOOTING GUIDE

Problem	What to Look For	Remedy
When the power is turned on to the Dissolve Control, Projector B turns on at partial or full brightness.	If any Dissolve Keys are pressed Projector A reacts properly. Projector B does not.	Check to make sure that both projectors <i>and</i> the SP Dissolve Control AC Adapter are plugged into the same power outlet.
The trays cycle properly, and maintain proper synchronization; however, neither lamp fades on.	This condition occurs when operating the keyboard.	The lamp in Projector A has failed. Replace the lamp.

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NEW AUDIOVISUAL EQUIPMENT WARRANTY

Kodak warrants this KODAK SP Dissolve Control, to function properly for one year from the date of purchase. Kodak makes no other warranties, express, implied, or of merchantability, for this equipment.

Carefully follow all instructions in this manual to get the best results and to prevent damage to Your SP Dissolve Control. If this SP Dissolve Control does not function properly within one year after purchase, Kodak will repair or replace the SP Dissolve Control at its option and at no charge, unless damaged by misuse or other circumstances beyond Kodak's control.

REPAIR OR REPLACEMENT IS KODAK'S ONLY OBLIGATION. KODAK WILL NOT BE RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL

DAMAGES RESULTING FROM THE SALE OR USE OF THIS DISSOLVE CONTROL, EVEN IF LOSS OR DAMAGE IS CAUSED BY THE NEGLIGENCE OR OTHER FAULT OF KODAK.

For assistance in using this SP Dissolve Control, contact a dealer in Kodak audiovisual products. Such dealers are listed in the Yellow Pages of your local telephone directory under Audiovisual Equipment and Supplies. To help us get your SP Dissolve Control back to you promptly, please enclose a note giving details of the problem, date of purchase, and your complete name and address. Pack the unit in a sturdy carton with ample packing material to protect the unit during shipping and handling.

HOW TO OBTAIN SERVICE

To find out how to obtain service, call the Kodak Information Center at 1-800-242-2424. (See Warranty for packing instructions.)

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