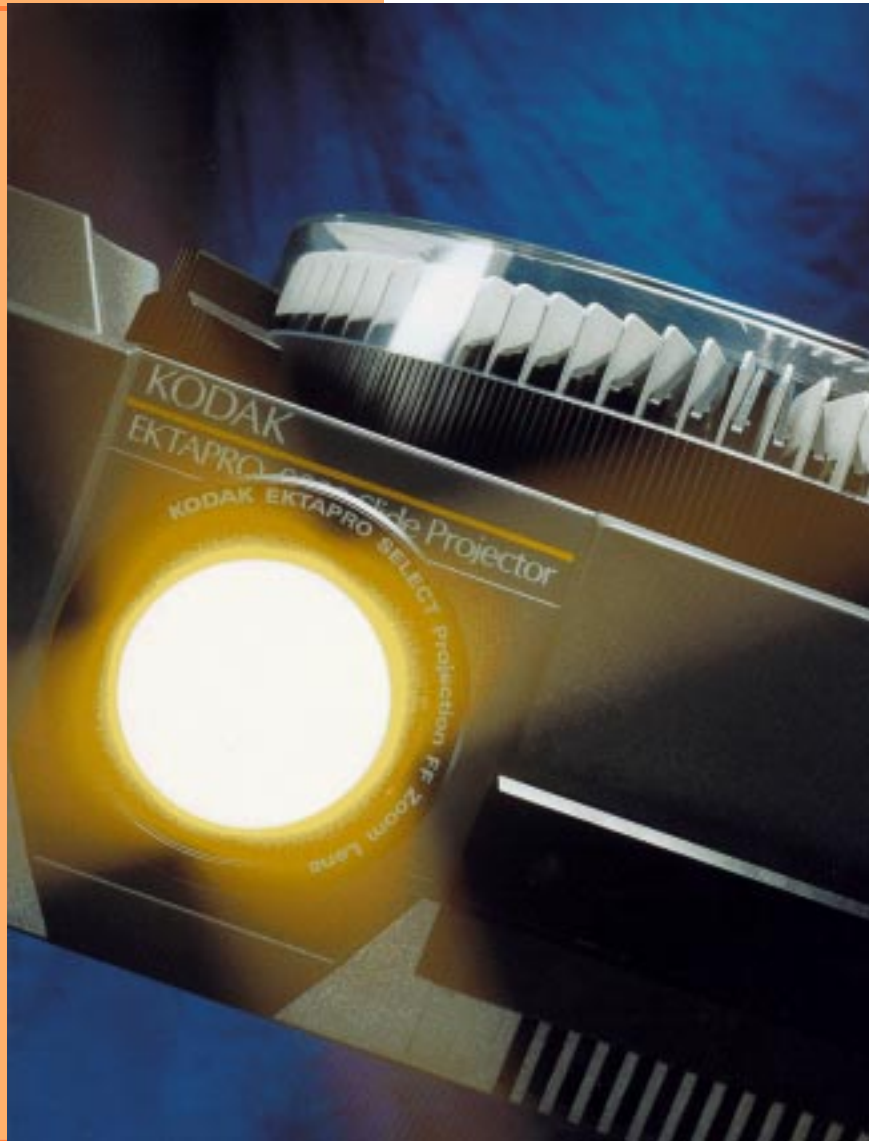


Quick Reference

Kodak Slide Projectors Cine Applications



The Quick Reference - is designed to be your ultimate source to CINE / Theatres Applications for **Kodak Ektagraphic, Ektalite and Ektapro Slide Projectors**

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Applications

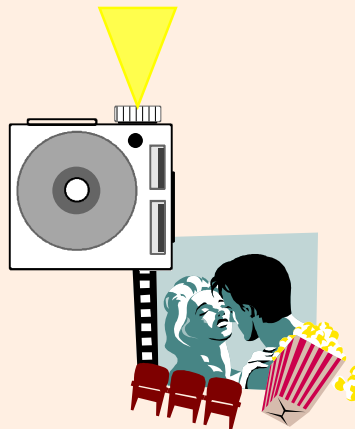


■ General

Kodak Slide Projectors are well known for their reliability and quality, being the best prerequisites for an integration in the world of theatres (cinemas). But in addition some of the projectors show unique features as the PC control interface, the automatic lampchanger, automatic home positioning of the last slide, random access to each slide in the tray, stand-by for silent pauses etc. These features also guarantee to fit best into the different landscapes of theatre control.

On the following pages you will find some solutions how to integrate Kodak Slide Projectors into existing theatre control systems such as Pennywise, Kinoton, etc..

If you are looking for a special solution, get into contact with the specialist from Kodak (see Editorial for e-mail address).



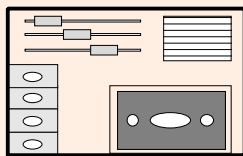
Applications



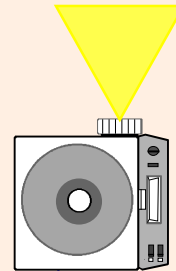
EKTALITE

■ Slide Synch Cassette Recorder with built in freehead (1000/150 Hz synchronization)

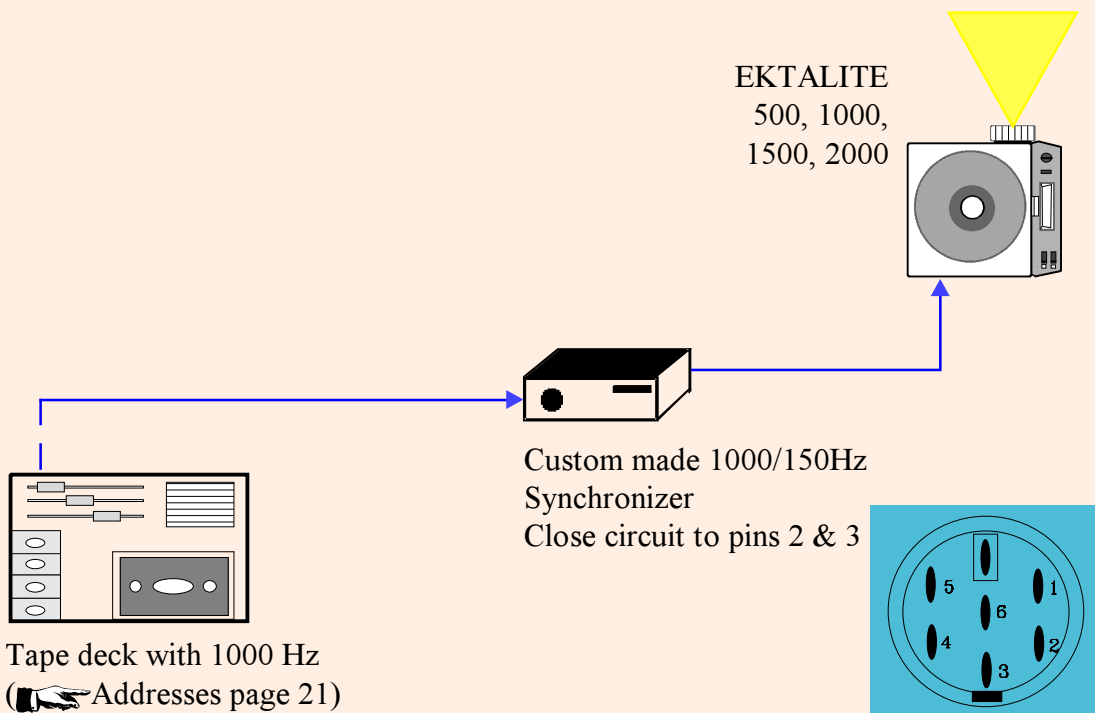
Tape deck with 1000 Hz
( Addresses page 21)



EKTALITE
500, 1000,
1500, 2000



■ Slide Synch Cassette Recorder with built in freehead (1000/150 Hz synchronization)

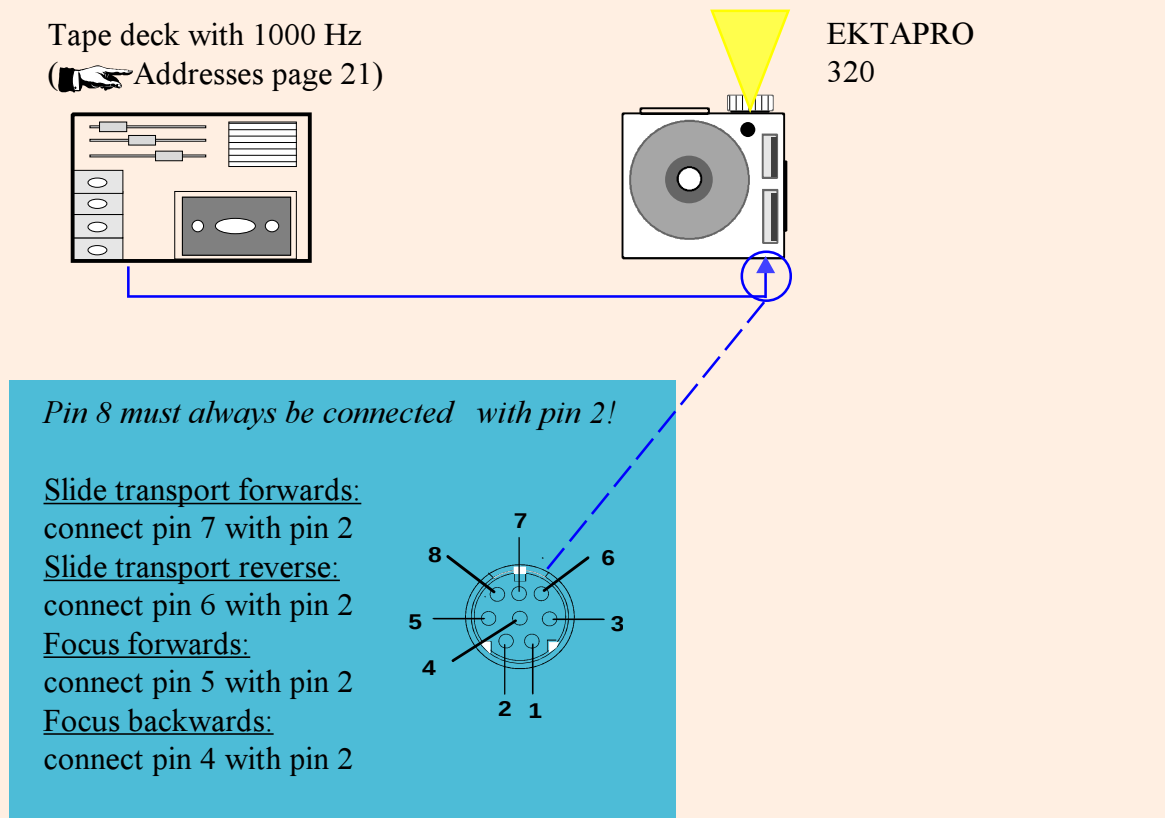


Applications

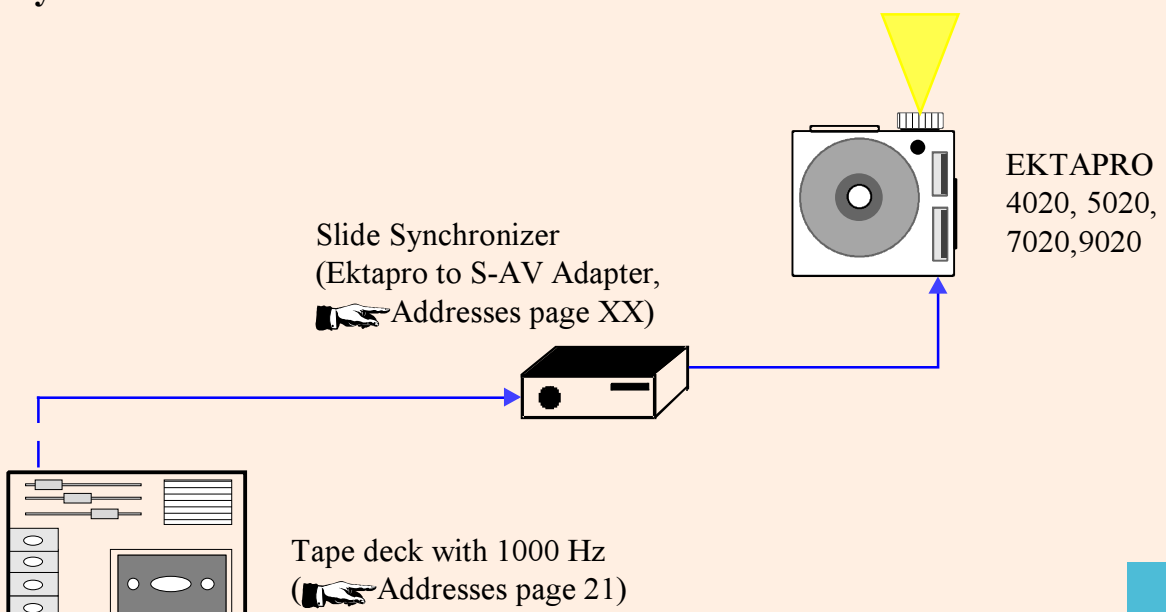


EKTAPRO

■ Slide Synch Cassette Recorder with built in freehead (1000/150 Hz synchronization)



■ Slide Synch Cassette Recorder with built in freehead (1000/150 Hz synchronization)

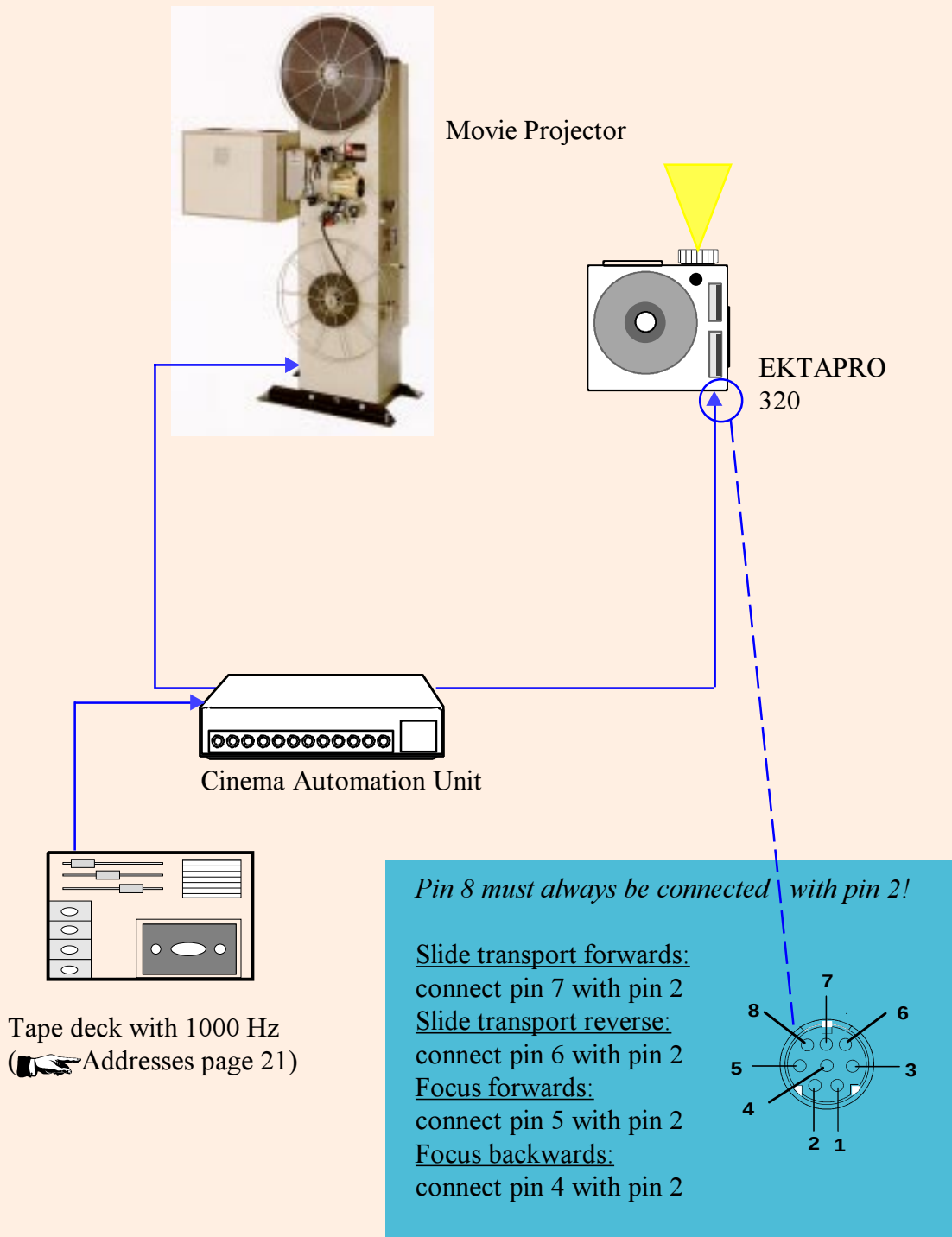


Applications

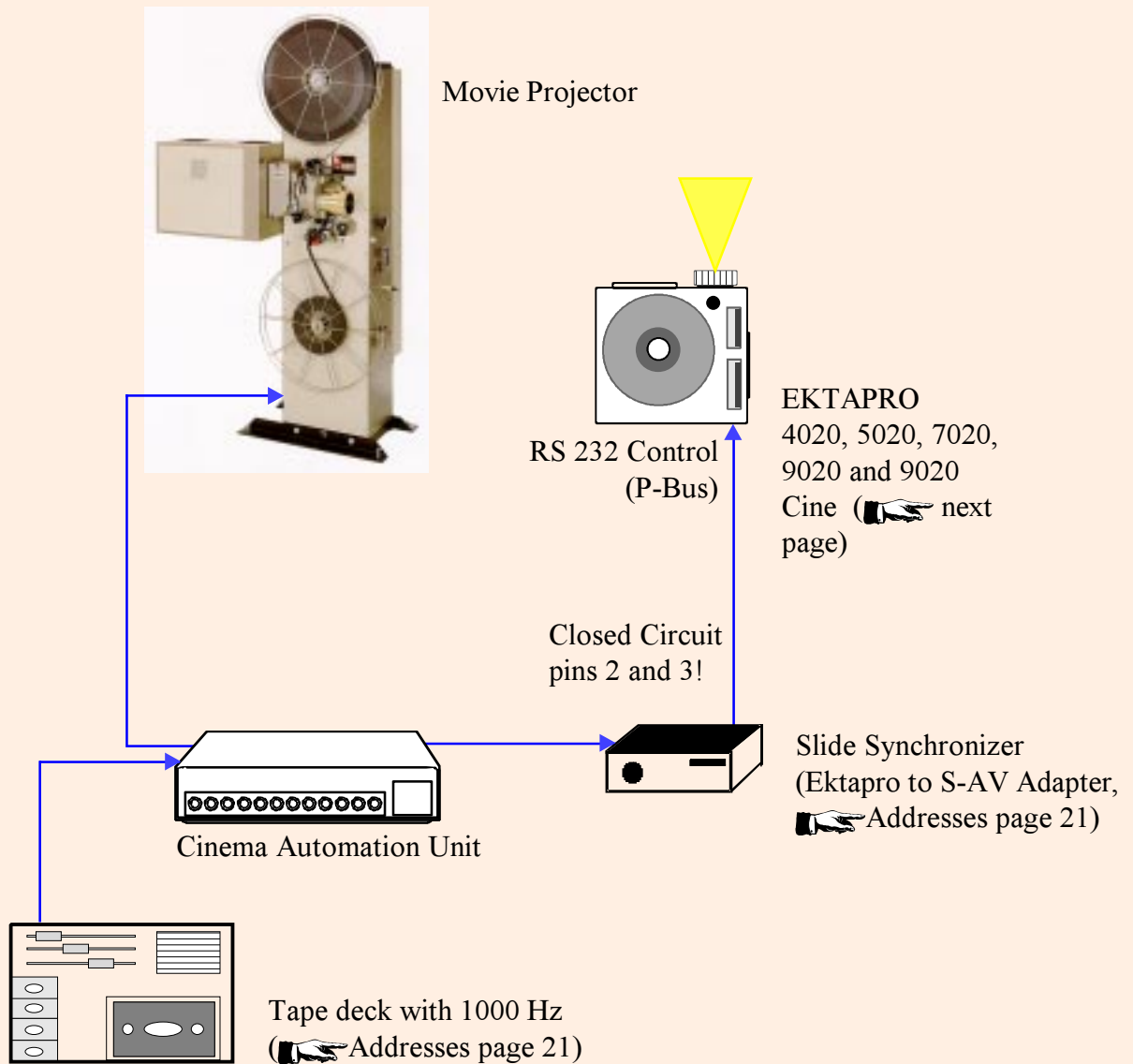


EKTAPRO

■ Electronic Programming Unit and Slide Synch Cassette Recorder and Ektapro 320



■ Electronic Programming Unit and Slide Synch Cassette Recorders

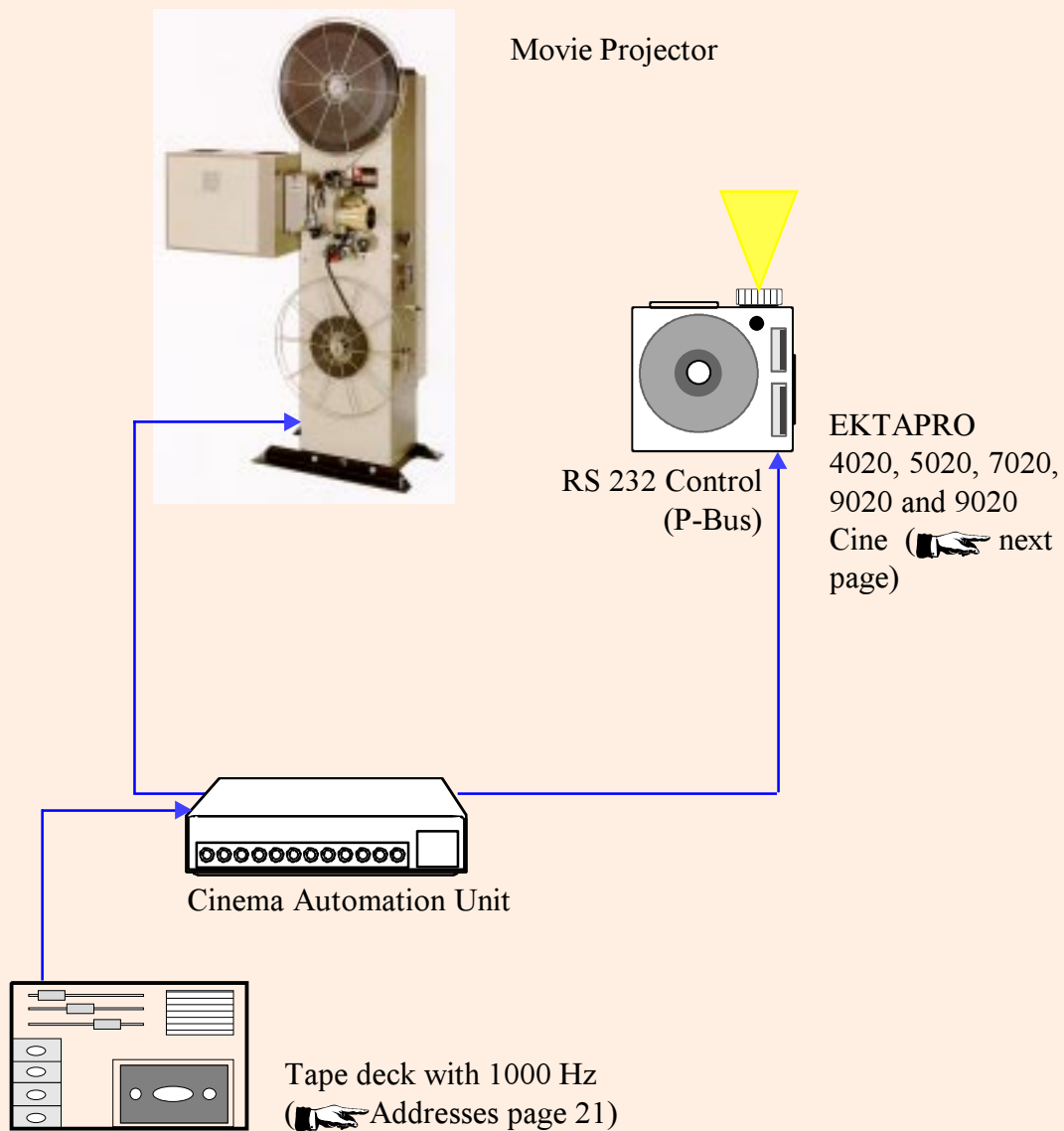


Applications



EKTAPRO

■ Electronic Programming Unit and Slide Synch Cassette Recorders and RS-232 control





■ KODAK EKTAPRO 9020 CINE Slide Projector - unusual functions and reductions

The Projector is based on the Ektapro 9020 but has some extra features:

■ Last slide position memory:

When switched off, the projector remembers the tray position in mind. When switched on, the tray is automatically transported to this position (**reduction: if tray is in zero position or if the lamp module has been removed, the tray will move to position 1!**).

■ Timer:

New timer settings! The time between 1 and 30 seconds can now be set in small steps (approx. 1 second).

Note, that these settings are not marked on the timer wheel!

■ Soft Slide Change:

Only possible with built-in timer: As soon as the timer is switched on, the projector automatically executes a soft slide change with the default setting of 0.5 sec! Other fade settings are not possible via the IR remote control!

■ Master/Slave operation

Please note: As this projector is a modified version of the standard Ektapro 9020 model, it **cannot** be used as part of a Master/Slave application (two projector dissolve application).

■ Reset via RS232 interface (P-Bus)

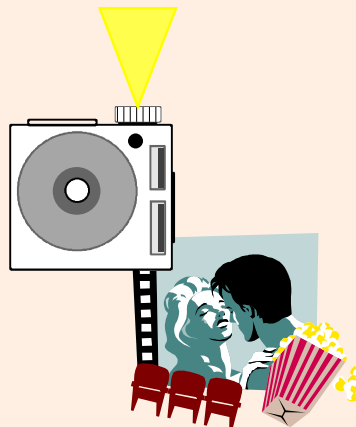
Please note: If no slide is in the gate, the projector will stay dark!

■ Zero Position

To bring the tray back to the zero position we recommend to use the automatic zero positioning switch. If activated the tray will automatically move to the zero position after the last slide.

You can also use the transport reverse button to move the tray to the zero position. Hold down the button. The slide tray goes into a rapid mode and stops automatically in the zero position.

All other functions remain same as written in the manual.



Ektapro 9020 Cine	
Standard Cable	CAT 719 2446
UK Cable	CAT 719 2453
Australian Cable	CAT 719 2461

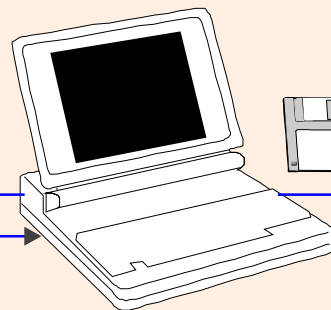
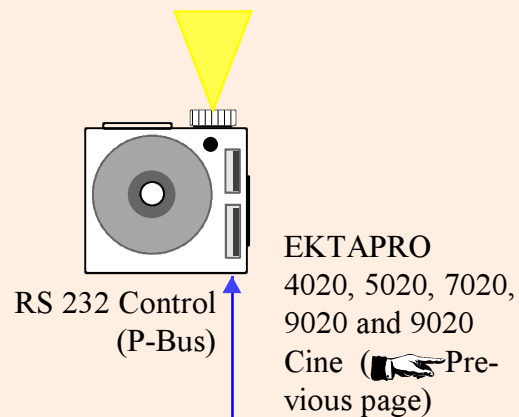
Applications



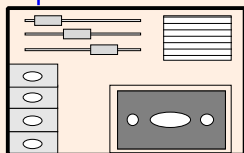
EKTAPRO

■ Electronic Programming Unit and Slide Synch Cassette Recorders and RS-232 control

Movie Projector



Cinema Control Software via AMX
(Hand icon) Addresses page 21)



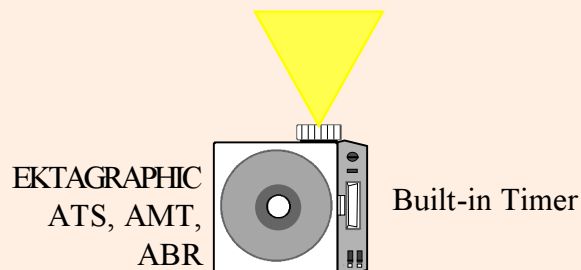
Tape deck with 1000 Hz
(Hand icon) Addresses page 21)

Applications

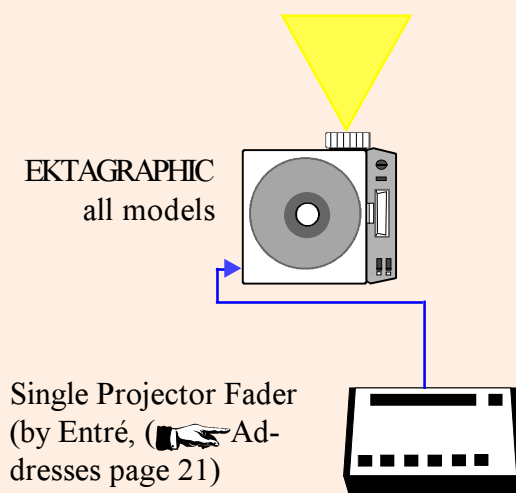


EKTAGRAPHIC

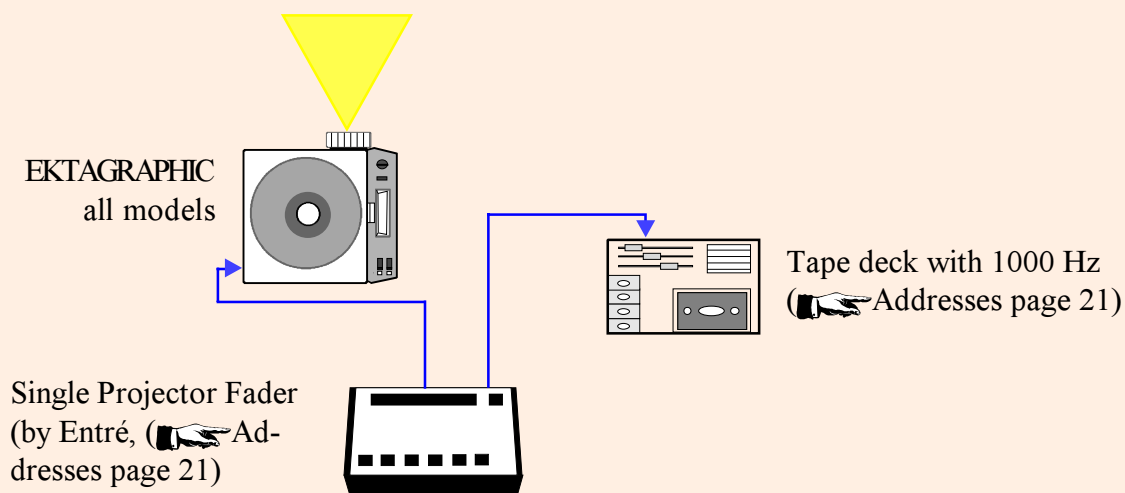
■ Stand alone solution (1 Ektagraphic with timer control)



■ Single Projector Fader and 1 Projector

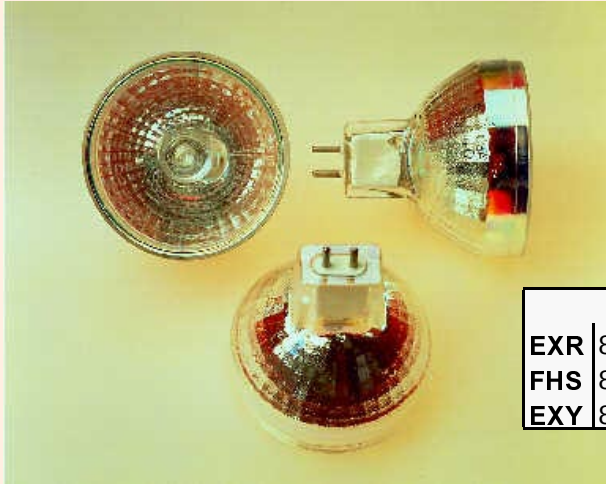


■ Single Projector Fader and 1 Projector and 1000 Hz Slide Sync Cassette Recorder



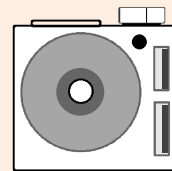
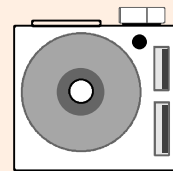
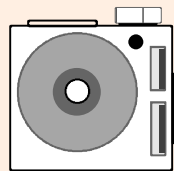
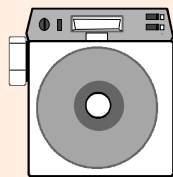
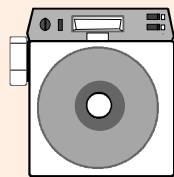
Lamps

General



		CAT No
EXR	82V 300W 35h	145 2259
FHS	82V 300W 70h	147 7678
EXY	82V 250W 200h	145 2143

■ Standard - Economy - Hilight Setting



All models of Ektalite,
Ektapro and Ektagraphic

Ektapro 7020, 9020

Ektalite 1500, 2000,
Ektapro 4020, 5020,
7020, 9020
Ektagraphic all
models

	Standard		Economy		High Light	
	Brightness	Lifetime	Brightness	Lifetime	Brightness	Lifetime
EXR	100%	35h	75%	105h	120%	25h
FHS	80%	70h	60%	210h	96%	50h
EXY	60%	200h	45%	600h	72%	140h

Compliments of:
www.KodakParts.com

Extra Bright Lamp Module

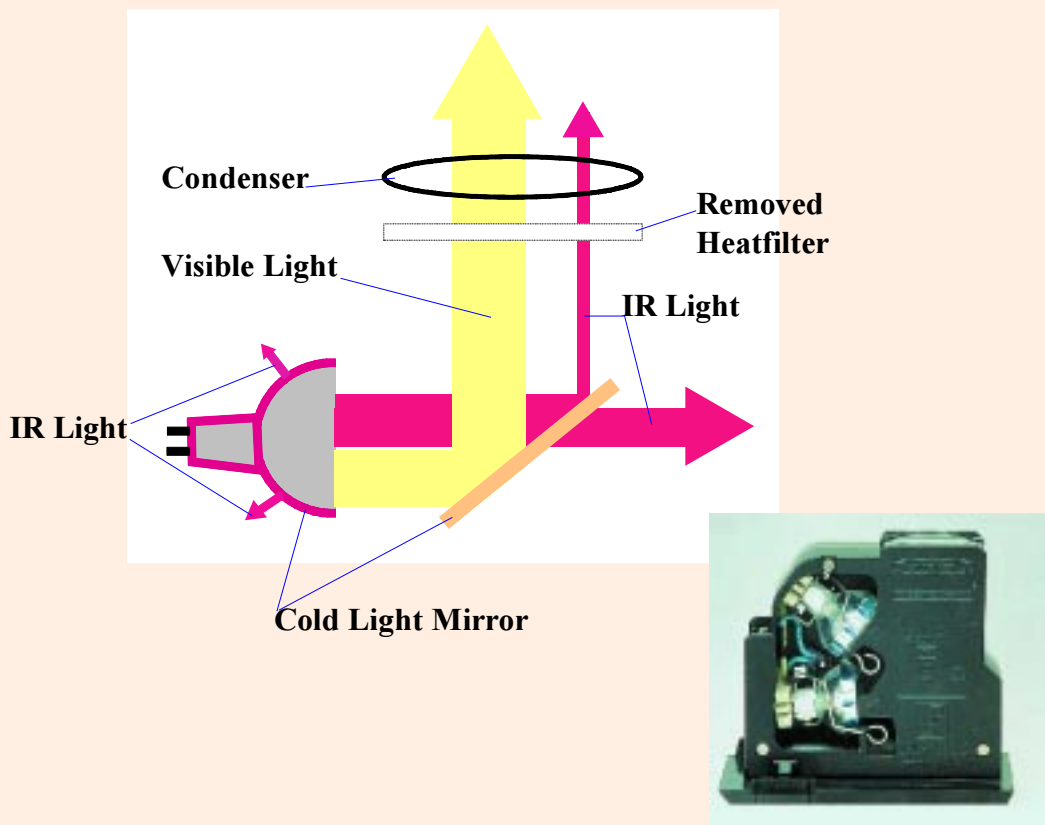
General

■ How it works

All current Kodak Slide Projectors are equipped with the Extra Bright Lamp Module offering 30% more light than compared to former models:

- ✓ **more light**
- ✓ **more brilliant colors**
- ✓ **higher contrast**
- ✓ **better legibility**

According to a new cold light mirror the biggest part of the IR (heat) light will be absorbed and not reflected. Therefore the heatfilter could be removed (see illustration). This system is unique to Kodak.



Compliments of:
www.KodakParts.com

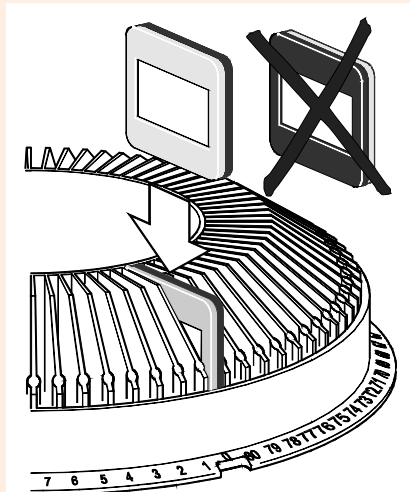
Extra Bright Lamp Module

Safety Precautions

According to a temperature increase in the slide gate which, therefore, needs more careful handling when using slides, mounts and lamps.

With the higher light output of the Extra Bright Lamp Module the temperature in the slide gate rises. To enable a smooth operation following hints should be considered:

- ✓ Use **only light** respectively **light gray** slide mounts (e.g. Wess slide mounts). Slide mounts with only one dark side or black side have to be sorted in respectively, mounted with the side facing the lamp. Please pay special attention when sorting your slide mounts in rear projections:



- ✓ Do not use a lamp type EXW/15 h for the projector (higher temperature - lamp not available from Kodak).
- ✓ Consider the room temperature! It may not exceed 35 degrees C!
- ✓ High-Light-Mode (models 7010, 7020, 9010, 9020): Slide projection time per slide may not exceed **1 minute!**

If these hints are not considered, mounts may deform!

Extra Bright Lamp Module

Compatibility

■ Upgrade

All former Ektalite, Ektagraphic and Ektapro Projectors can be upgraded with the Extra Bright Lamp Module:

Extra Bright Lamp Modules	CAT NO
Ektagraphic (dark beige color, new)	121 7626
Ektagraphic (blue gray color, old design)	139 3982
Ektalite	816 7181
Ektapro Single (models 3020 and lower)	718 3379
Ektapro Dual (models 4010 and higher)	718 4369
Ektalite	816 7181
Ektapro Single (models 3020 and lower)	718 3379
Ektapro Dual (models 4010 and higher)	718 4369

■ Downgrade (Ektapro projectors, only)

There are some reasons for downgrading current Ektapro models:

- ✓ in order to match same slide gate temperature as your former models
- ✓ in order to match same color temperature as your former models

Downgrading is easily done by inserting a heatfilter into the Extra Bright Lamp Module:

In order to buy the appropriate heatfilter please verify the type of lamp module being used in your projector:

KODAK EKTAPRO Single Lamp Module



Requires Standard Heatfilter Cat No 717 7140

KODAK EKTAPRO Single Lamp Module



Requires Standard Heatfilter Cat No 717 7140

KODAK EKTAPRO Single Lamp Module +10



Requires Heatfilter +10 Cat No 717 7157

KODAK EKTAPRO Single Lamp Module +10



Requires Heatfilter +10 Cat No 717 7157

Compliments of:
www.KodakParts.com

Extra Bright Lamp Module

Sweat Spots

■ Sweat Spots

According to the higher slide gate temperature of the Extra Bright Lamp Module, sweat spots may faster appear when glass mounted slides are used (in long term projections). As soon as the slides will warm up the spots will disappear. Have a look at the following hints:

- Switch on the projector with the loaded tray approx. half an hour before you start your presentation. The slides will warm up.
- If you do not need highest light output, use the economy lamp setting or use the FHS oer EXY lamp.

Professional Installation

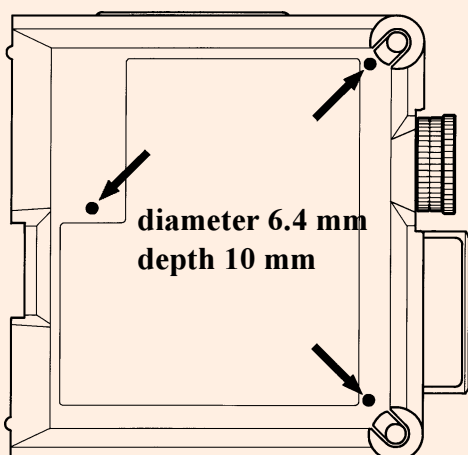
Racks for EKTAPRO - Fixing Holes

■ Racks



Some companies offering racks for professional use. (👉 Addresses page 23)

■ Fixing Holes



Inserts (expansion collars)

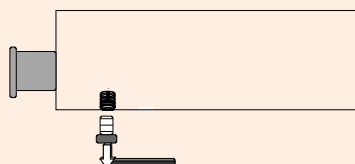
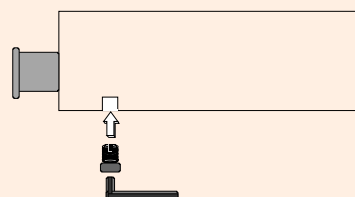
outer thread M7

inner thread M5



Screws M5

(max. length allowed 49 mm)



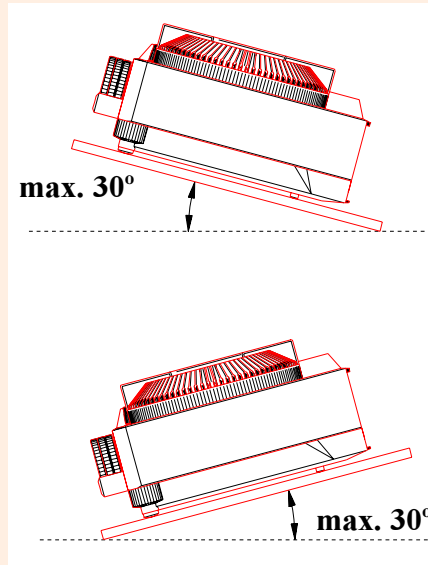
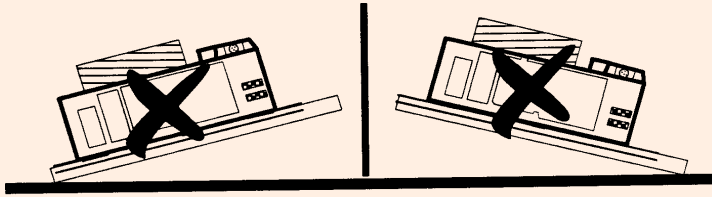
Compliments of:
www.KodakParts.com

Professional Installation

EKTAPRO

Tilting - Operation Temperature

■ Tilting



■ Operating Temperature



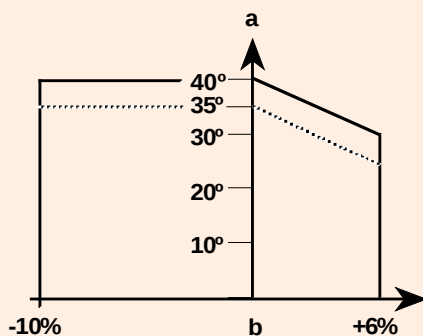
Note

Standard and economy setting:

Minimum 0° C and maximum +40° C

High Light setting (models 7020/9020):

Minimum 0° C and maximum + 35° C



a = Ambient temperature (C°)

b = Nominal voltage

Compliments of:
www.KodakParts.com

Professional Installation

EKTAPRO

Boxes, Furniture

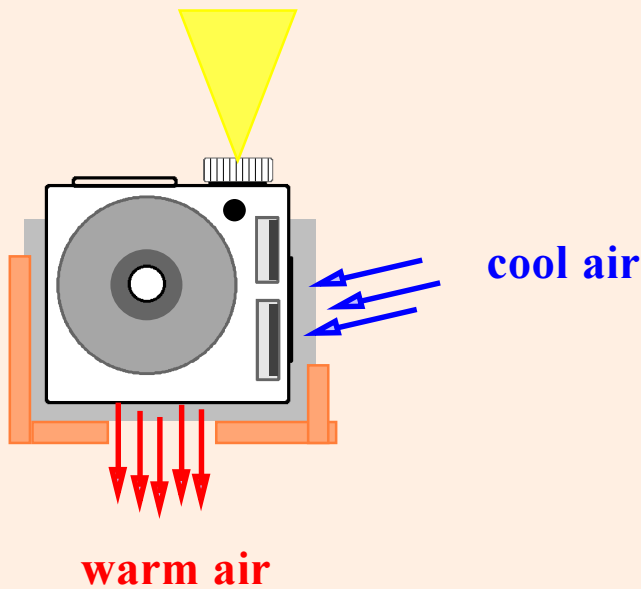
■ Installation in boxes, furniture



Important Note

Proper ventilation is required!

Check that the projector can draw-in sufficient cool air and that warm air can be freely expelled. Keep air inlet and air outlet free from obstruction!



Note

Should the projector overheat, e.g., due to lack of cooling air, the built-in thermal cut-out automatically switches the lamp off and on again once it has been cooled down.

Compliments of:
www.KodakParts.com

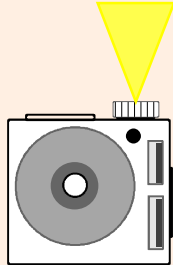
Professional Installation

EKTAPRO

Line-up

■ Line -Up

EKTAPRO
4020, 5020,
7020, 9020



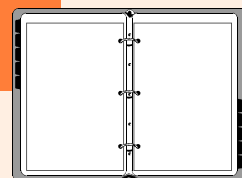
Aligning the projectors i.e. fully fading up all projectors, in multivision operation is difficult, since dissolve units often do not provide this kind of option.

With the Line-up feature you can turn the light of every projector on and off independently. This means the projectors can be aligned or checked at any time.

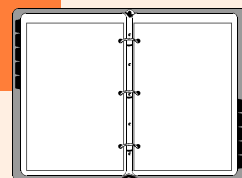
You can **only set the line-up on the projector.** (The external controlling via P-Bus is rejected during setting. With line-up standby will be also switched off and the shutter will be opened):

Line-up on: Press both transport buttons on the projector simultaneously for at least 1 second. The lamp now lights up at maximum output and the zero position indicator (green LED) flashes.

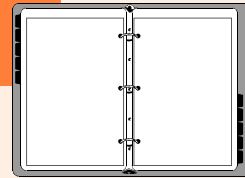
Line-up off: Press the standby button.!



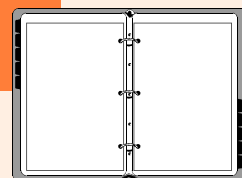
Company	Street	City	Country	Phone/FAX/WEB
Other Accessory (e.g. Slide Synchronizer)				
AVSZ	Tarweakker 63	2723 TB Zoetermeer	The Netherlands	(0031) 79 341 43 46 F: (0031) 793 425
Müwo	In den Maltwiesen 11	72379 Hechingen-Stetten	Germany	(0049) 7471 15830
Zeller	Wettsteinallee 15	4058 Basel	Switzerland	(0041) 6168 4343 F: (0041) 6168 3907
DMX 516 Theatre Controller				
AVAB	Södermanna-gatan 21	S-116 40 Stockholm	Sweden	(0046)8 56 31 52 00 F: (0046)8 56 31 52 99 www.avab.se
Bässgen	Hauptstraße 58	79104 Freiburg	Germany	(0049) 761 23953 F: (0049) 761 35042 www.dia.de/
Midi Controller				
Bässgen	Hauptstraße 58	79104 Freiburg	Germany	(0049) 761 23953 F: (0049) 761 35042 www.dia.de/
Schubert	Römerstr.29	52064 Aachen	Germany	(0049) 241 35 439 F:(0049) 241 406
1000 Hz Tape Decks				
ARION	701 South 7th Street	Delano, MN 55328	USA	(001) 612 972 3351 F:(001) 612 972 3534 www.arion-usa.com
3-Track Tape Decks				
Califone	Superior Street	Chatsworth CA 91311	USA	(001) 800 722 0500 www.califone.com
Yamaha	6600 Orangethorpe Avenue	Buena Park, CA 90620	USA	(001) 714 522 9011 www.yamaha.com
Fostex	15431 Blackburn Avenue	Norwalk, CA 90650	USA	(001) 562 921-1112 F: (001) 562 802-1964
Gebuhr	Imhoffstr. 4	90429 Nuernberg	Germany	(0049) 911 260 304 F:(0049) 911 268
Tascam	7733 Telegraph Rd.	Montebello, Ca 90640	USA	(001) 213 726-0303 F:(001) 213 727 7635
Single Projector dissolve				
Entré	2184 SE 53rd Avenue	Hillsboro OR 97123 7800	USA	(001) 503 649 4641



Company	Street	City	Country	Phone/FAX/WEB
Projector Control Systems - Hardware				
ARION	701 South 7th Str.	Delano, MN 55328	USA	(001) 612 972 3351 F: (001) 612 972 3524 www.arion-usa.com/
AVL	50 Barnes Park North	Wallingford, CT 06492	USA	(001) 203 269-8410 F: (001) 203 284-8414 www.usa.net/icia/avl
Bässgen	Hauptstraße 58	79104 Freiburg	Germany	(0049) 761 23953 F: (0049) 761 35042 www.dia.de/
Dataton	Box 257	S-581 02 Linköping	Sweden	(0046) 13114325 F: (0046) 13138445 www.dataton.se/
Electrosonic	Hawley Mill Hawley Rd	Dartford Kent DA2 7SY	England	(0044)-1322 282317 F: (0044)-1322 282215 www.electrosonic.co.uk
HEP	P.O.Box 33112	3005 EC Rotterdam	The Netherlands	(0031) 10 418 3689
Müwo	In den Maltwiesen 11	72379 Hechingen-Stetten	Germany	(0049) 7471 15830
RMF	1275 Paramount PKW	Batavia, IL 60510	USA	(001) 708 879 0020 F: (001) 708 879 6749
Stumpfl	Rudigierstr. 8	A-4701 Bad Schallerbach	Austria	(0043) 7249 42811 F: (0043) 7249 42811 18 www.stumpfl.com/
Zygo Svst. Ltd.	48 Fallowfields	Bicester Oxon OX6 7Qs	England	(0044) 869 248261 F: (0044) 869 248 260
Software (Direct PC Control)				
ARION	701 South 7th Str.	Delano, MN 55328	USA	(001) 612 972 3351 F: (001) 612 972 3524 www.arion-usa.com/
COMM-TEC	Siemensstr. 22	73066 Uhingen	Germany	(0049) 7161 3000 0 F: (0049)7161 3000 11
M-Objects	Auf dem Berg 7	59387 Ascheberg	Germany	(0049) 2593 988 88 F:(0049) 2593 988 89 www.mobjects.com/
P. Ziegler	Van Gogh Platz 6	53844 Troisdorf	Germany	(0049) 2241 946 217 F:(0049) 2241 946 218 home.t-online.de/home/ziegler.av



Company	Street	City	Country	Phone/FAX/WEB
Racks				
Baumann	Hauptstraße 58	79104 Freiburg	Germany	(0049) 761 23953 F: (0049) 761 35042
Chief	14310 Ewing Avenue	South Burnsville, MN 55337	USA	(001) 612 894-6280 F: (001) 612 894-
Roha	Bruno Jacoby Weg 11	70597 Stuttgart	Germany	(0049) 711 723621
Projection Lenses				
Buhl	1009 Beech Avenue	Pittsburgh, PA 15233	USA	(001) 412 321-0076 F: (001) 412 322
Docter	Industriegebiet	35641 Schoffengrund	Germany	(0049) 6445 609 0 F:(0049) 6445 609 165
Isco	Robert Bosch Breite 10	37013 Goettingen	Germany	(049) 551 5058 3 F: (0049) 551 5058 410
Leica	Saarbrueckeners tr. 263	38116 Braunschweig	Germany	(0049) 531 5900 479 F:(0049) 531 5900 489 www.leica-camera.com
Navitar	200 Commerce Drv	Rochester, NY 14623	USA	(001) 716 359 4000 F:(001) 716 359 4999
Projection Screens				
Da-Lite	3100 N. Detroit Str	Warsaw, IN 46581 0137	USA	(001) 219 267 5101 F:(001) 219 267 5101 www.da-lite.com
Stumpfl	Rudigierstr. 8	A-4701 Bad Schallerbach	Austria	(0043) 7249 42811 F: (0043) 7249 42811 4
Company	Street	City	Country	Phone/FAX/WEB
Cinema Control				
AMX	11995 Forestgate Dr.	Dallas, TX 75243	USA	(001) 800-222-0193 F: (001) 972-907-2053 www.amx.com
Kinoton			USA	(001) (973)345-7600 F: (001) 97 345-2299 www.kinoton.com
Pennywise	518 Camberwell Road	Camberwell, Victoria 3124	Australia	(0061) 9809 2877



Company	Street	City	Country	Phone/FAX/WEB
Slide Recorders				
Agfa	Septestraat 27	B-2640 Mortsel	Belgium	(0032) -3-4442111 F: (0032) - 3-444 7094 www.agfa.com
Lasergraphics	20 Ada	Irvine, CA 92718	USA	(001) 714 753-8282 F: (001)(714) 727-9282 www.lasergraphics.com
Management Graphics,	1401 E. 79th Street	Minneapolis, MN 55425	USA	(001) 612 854-1220 F: (001) 612 851-6159 www.mgi.com
Mirus	3350 Scott Boulevard, Bldg. 48	Santa Clara, CA 95054	USA	(001) 408 980-660 F: (001) 408 980-6601 www.mirus.com
Polaroid	549 Technology Square	Cambridge, MA 02139	USA	(001)(781) 386-2000 www.polaroid.com
Other Places of Interest				
Gavi	333 West Merrik RD	Valley Stream, NY 11580	USA	F:(001) 516 568 2057
Jobo	Koelnerstr. 58	51645 Gummersbach	Germany	(0049) 2261 54525 F:(0049) 2261 54542 www.jobo.com
Leica	Saarbrueckenerstr. 263	38116 Braunschweig	Germany	(0049) 531 5900 479 F:(0049) 531 5900 489 www.leica-camera.com
Pacon	106 Baker Techn. Plaza 6121 Baker Road	Minnetonka, MN 55345	USA	(001) 612 936 9500 F:(001) 612 936 9509 www.pakon.com
Telex	9600 Aldrich Ave Sough	Minneapolis, MN 55420	USA	F: (001) 612 887 5588 www.telex.com
Slide Mounts				
Alfi	P.O.B 10 20 47	86010 Augsburg	Germany	(0049)-821-80867-0 F: (0049)-821-80867-40
Geimuplast	P.O.B 1364	82453 Garmisch-Partenkirchen	Germany	(0049) 8821 6850 F: (0049) 8821 685100
GEPE	Baarerstr. 43	6304 Zug	Switzerland	(0041) 41 711 7588 F: (0041) 41 711 2870
Wess	70 Commerce Drive	Hauppauge, NY 11788	USA	F:(001) 516 231 0608 www.wesspl.com

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Kodak AG
PT CMS
Hedelfingerstr. 60
70327 Stuttgart
Germany
Phone: int +711 406 5151
Fax: int + 711 406 5367
E-mail: heinrich@kodak.com

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