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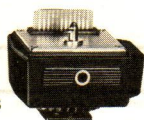
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# INTERFACE MODULE

For use with Sunpak 'D' Series  
Electronic Flash Unit

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## KX-1D



For KONICA FS-1,  
FC-1, FP-1 Cameras

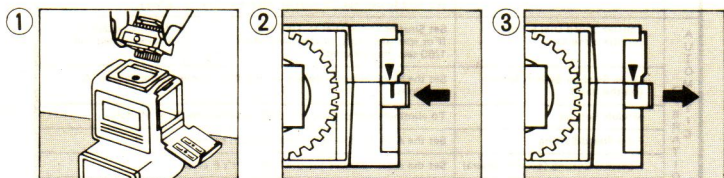
# SUNPAK®



SUNPAK DIVISION  
BERKEY MARKETING COMPANIES  
WOODSIDE N.Y. 11377  
Made and Printed in Japan 8209D3000

## INSTRUCTIONS

The Sunpak Interface Module KX-1D is designed for all sunpak 'D' series flash units and coupled with KONICA FS-1, FC-1, FP-1 cameras or all standard 35mm hot shoe mount cameras.



### TO ATTACH THE INTERFACE MODULE TO THE FLASH BODY:

- 1) Open the Battery Compartment Door.
- 2) Insert the Interface Module KX-1D into the flash body (Figure ①), and push until the marks at the Locking Lever align (Figure ②). Make sure the shoe is securely attached.
- 3) Close the Battery Compartment Door.

### TO DETACH THE INTERFACE MODULE FROM THE FLASH BODY:

- 1) Open the Battery Compartment Door.
- 2) Pull the Shoe Locking Lever out as illustrated in figure ③.
- 3) Remove the Module while holding the Locking Lever out.

### ACCESSORY FOR USE WITH THE INTERFACE MODULE KX-1D:

**Dedicated Remote Cord EXT-06:**  
Cat. No. 651-843

Ideal for off camera flash. Provides remote lighting control and better bounce effects with perfect exposure. For details, refer to the remote cord instruction manual.

### CAUTION:

- 1) Place the 'D' series flash units upside down on a soft surface (cloth, rubber mat, etc.) and attach or detach the shoe while firmly holding the flash body.
- 2) The Battery Compartment Door must be opened prior to attaching or detaching the shoe.
- 3) When mounting or dismounting the Sunpak 'D' series flash units from the camera, always make sure the On/Off Switch is set at the "OFF" position or the camera may be damaged.
- 4) The 'D' series units use the power from their AA cells in the battery compartment to operate all dedicated functions. Even when an external power source is being used, it is necessary to keep the internal batteries charged to maintain electronic interface with the camera.
- 5) Electronic signals from the camera are sent through the Interface Blade. Keep the metal contacts free from dirt and grime and protect them from scratches.

# KX-1D FOR KONICA CAMERAS

		FS-1	FC-1	FP-1
DEDICATED OPERATION	Shutter Speed Dial Setting (on the camera)	Set the Shutter Speed Dial to any position		No Setting due to no Shutter Speed Dial
	Mode Selector Switch Setting (on the flash)	Set the Mode Selector Switch on the flash body to the "M" position.		
	Dedicated Aperture Setting (on Dedicated Module)	Set the Dedicated Switch on the Shoe Module to either f/5.6 or f/11.		
	Film Speed Setting	Set the ASA for the film in use on camera. Not necessary to set ASA on the flash since the flash is dedicated to the camera.		
	Aperture Setting	Set the aperture ring to the 'AE' position.		
	Ready Indication in the Viewfinder	Turn the flash on and the 'ready' light will glow after a few seconds. When the 'ready' light glows the shutter speed is then adjusted to 'X' speed automatically and;		
		The red LED at f/5.6 or f/11 in Viewfinder starts to blink after the shutter release is pressed halfway.	The green LED at left side in Viewfinder starts to blink.	
Test Flash/Auto Verification	Refer to the flash unit instructions. (Be sure to depress the shutter release button in halfway.)			
AUTOMATIC OPERATION	Shutter Speed Dial Setting (on the camera)	Set Shutter Speed Dial to 1/60 sec. (For special effects, slower speed than 1/60 sec. may be used.)		No Setting due to no Shutter Speed Dial
	Mode Selector Switch Setting (on the flash)	Set the Mode Selector Switch on the flash to one of the desired 'A' positions.		
	Module Setting	To eliminate dedication, set "STD" position on Shoe Module.		
	Film Speed Setting	Set the ASA for the film in use on both camera and flash.		
	Aperture Setting (on the camera)	Set the same aperture for the flash unit's F stop.		
	Test Flash/Auto Verification	Refer to the flash unit instruction manual.		
MANUAL OPERATION	Shutter Speed Dial Setting (on the camera)	Follow the 'automatic operation' instructions.		
	Mode Selector Switch Setting (on the flash)	Set the Mode Selector Switch on the flash to the 'M' position.		
	Module Setting	To eliminate dedication, set "STD" position on Shoe Module.		
	Film Speed Setting	Follow the 'automatic operation' instructions.		
	Set the Aperture	Adjust to the appropriate aperture. (Refer to the flash unit instruction manual.)		
	Fill-Flash with Power Ratio Control	Set Aperture setting at "AE" position. Read out f/number for ambient light from camera's viewfinder. Adjust Power Ratio Dial to correspond to this f/number and subject distance.		Not available.
<p>Note : When using dedicated switch on module (to f/5.6 or f/11 position) only use "M" position on flash's mode selector switch. For other modes - Automatic or Manual, be sure to use "STD" setting on module.</p>				

## Automatic Distance Range.

Film Speed		ASA 25	ASA 100	ASA 400
422D	F/5.6	0.5 ~ 2.7m 1.6' ~ 8.5'	0.7 ~ 5.3m 2.3' ~ 17'	1.4 ~ 10.6m 4.6' ~ 34'
	F/11	0.5 ~ 1.3m 1.6' ~ 4.3'	0.5 ~ 2.7m 1.6 ~ 8.5'	0.7 ~ 5.3m 2.3' ~ 17'
322D	F/5.6	0.5 ~ 2.1m 1.6' ~ 7'	0.7 ~ 4.2m 2.3' ~ 14'	1.4 ~ 8.4m 4.6' ~ 28'
	F/11	0.5 ~ 1m 1.6' ~ 3.6'	0.5 ~ 2.1m 1.6' ~ 7'	0.7 ~ 4.2m 2.3' ~ 14'