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Nikon
Multi-Control Back

MF-23

orphan cameras . com

INSTRUCTION MANUAL

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FOREWORD

Thank you for purchasing the Nikon Multi-Control Back MF-23. Although the MF-23 is easy to use, for best results be sure to read this instruction manual thoroughly before you begin.

The Nikon Multi-Control Back MF-23 is designed for exclusive use with Nikon F4 Series cameras. It offers the following functions:

(1) Data Imprint Function

Lets you select and imprint any of the following:

Between frames: Year/Month/Day, Day/Hour/Minute, fixed number, frame count, shutter speed/aperture, exposure compensation value

In frame: Year/Month/Day, Month/Day/Year, Day/Month/Year, Day/Hour/Minute, Hour/Minute/Second, frame count, sequence number, fixed number

(2) Auto Exposure Bracketing

Lets you shoot up to 19 continuous frames, each with a different exposure. Center value is selectable.

(3) Freeze Focus (Focus Priority) Function

The camera's shutter is automatically released when the subject enters a preset focus position.

(4) Interval Timer Function

Lets you take a specified number of shots at specified intervals for a specified number of shootings.

(5) Exposure Delay Function

Lets you set remaining time before exposure and number of shots.

(6) Long Time Exposure Function

Lets you set exposure duration up to 999 in hours, minutes or seconds.

(7) Daily Alarm, Film Alarm and Film Stop Functions

(8) Shutter speed/aperture and frame count indication

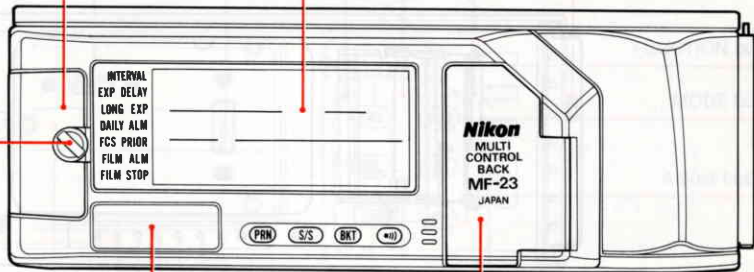
(9) Imprint Level Adjustment

NOMENCLATURE

Battery chamber lid

LCD panel

Battery chamber lid
screw



Memo board
(use soft-lead pencil w/eraser)

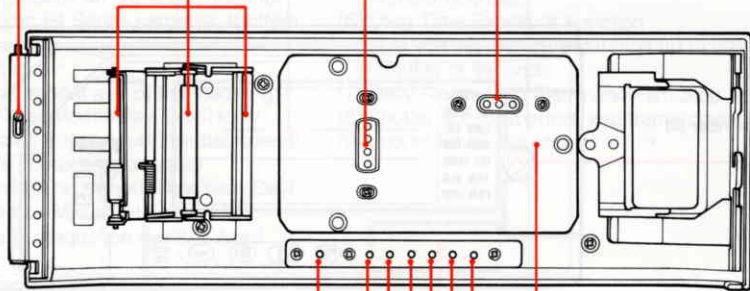
Control panel cover

Film pressure rollers

Window for imprint between frames

Hinge release

Window for imprint in frame



Frame count reset pin

Signal contact pins

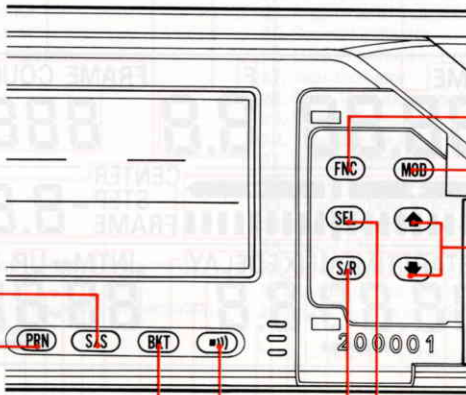
Film pressure plate

START/STOP button

PRINT button

AUTO BRACKETING button

Alarm button



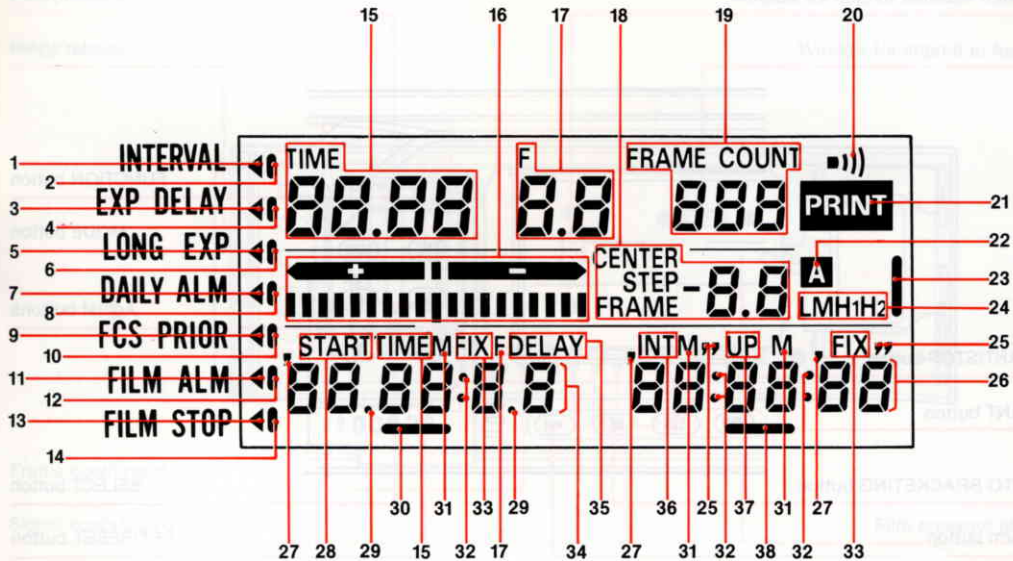
FUNCTION button

MODE button

Adjust buttons

SELECT button

SET/RESET button



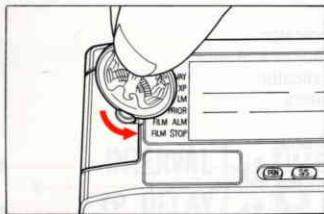
LCD panel

1. Interval Timer set indicator
2. Interval Timer function indicator
3. Exposure Delay set indicator
4. Exposure Delay function indicator
5. Long Time Exposure set indicator
6. Long Time Exposure function indicator
7. Daily Alarm set indicator
8. Daily Alarm function indicator
9. Freeze Focus set indicator
10. Freeze Focus function indicator
11. Film Alarm set indicator
12. Film Alarm function indicator
13. Film Stop set indicator
14. Film Stop function indicator
15. Shutter speed indicator
16. Exposure compensation display (for Auto Bracketing)
17. Aperture indicator
18. Center value, no. of steps, no. of frames, compensation value indicator (for Auto Bracketing)
19. Frame count indicator
20. Alarm set indicator

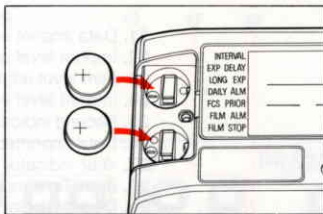
21. Data imprint set indicator
22. Imprint level auto adjust indicator
23. Film level adjust indicator
24. Imprint level indicators
25. Second indicator
26. Data imprinted in frame
27. Year indicator
28. Start Time indicator (for Interval Timer)
29. Decimal point
30. Indicator for imprint between frames
31. Month indicator
32. Time indicator colon
33. Fixed number indicator
34. Imprinted data between frames
35. Delay timer indicator
36. Time indicator for Interval Timer
37. Sequence number indicator
38. In-frame imprint indicator

*Not all displays appear at same time.

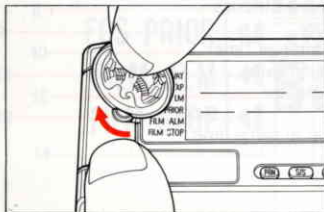
INSTALL BATTERIES



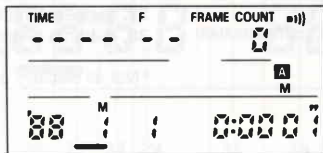
1. Open battery chamber.



2. Insert two 1.55V SR-44 type silver-oxide batteries with + signs facing up.



3. Close battery chamber.



4. Check LCD.

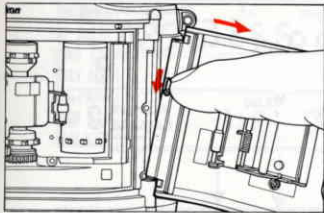
Press any control button.

If MF-23 is already attached to the camera, make sure camera's film advance mode selector is set at L.

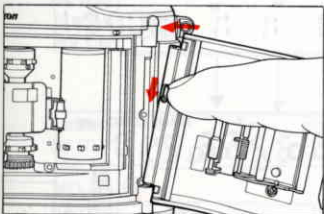
If batteries are properly installed, LCD will show the numbers and letters in the illustration at left; if this display does not appear, replace batteries.

- When camera batteries are exhausted, the display may turn off immediately. Replace batteries.

ATTACHING MF-23

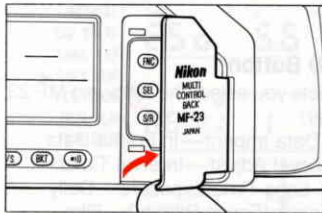


1. Remove standard camera back.



2. Attach the MF-23.

CONTROL BUTTONS



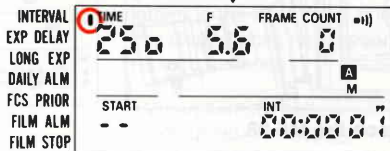
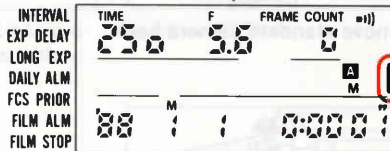
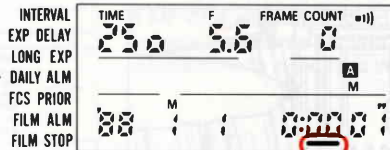
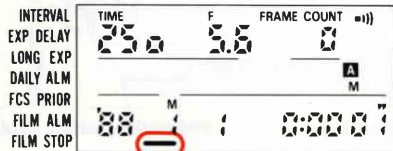
Open the control panel cover.

To activate the LCD panel display, press any control button. The display will remain on for approx. 8 seconds (approx. 16 sec. when camera's meter is on).

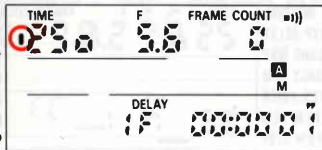
FNC**FNC (FUNCTION) Button**

Pressing the button lets you select the following MF-23 functions in this order:

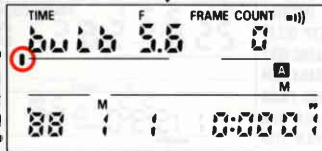
Between-Frames Data Imprint—In-Frame Data Imprint—Imprint Level Adjust—Interval Timer—Exposure Delay—Long Time Exposure—Daily Alarm—Freeze Focus (Focus Priority)—Film Alarm—Film Stop



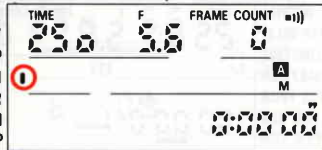
INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP



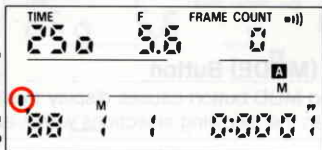
INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP



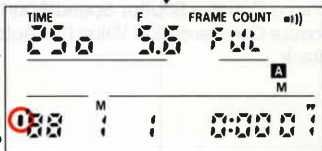
INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP



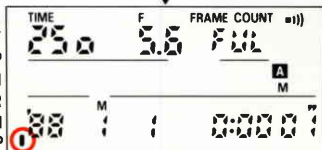
INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP



INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP



INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

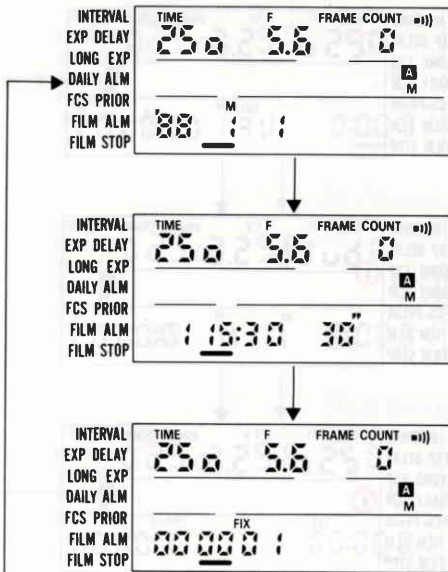


MOD

MOD (MODE) Button

Pushing MOD button causes display to alternate between the following selections within each function.

Between-Frames Data Imprint function: Year/Month/
Day—Day/Hour/Minute/(Second)—Fixed Number
—Frame Count—Shutter Speed/Aperture—
Exposure Compensation Value (for Auto Bracketing)
—Blank



INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	01)
250	5.6	0	
			A
			M
F	0		

INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	01)
250	5.6	0	
			A
			M
TIME	F		
250	5.6		

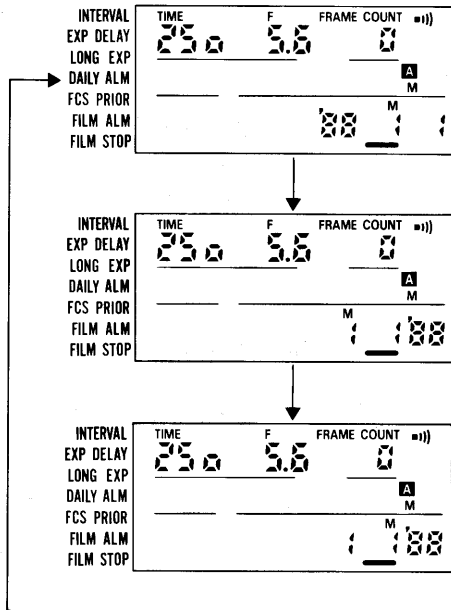
INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	01)
250	5.6	0	
			A
			M
		-0.3	
6	-03		

INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	01)
250	5.6	0	
			A
			M

In-Frame Data Imprint function: Year/Month/Day—
 Month/Day/Year—Day/Month/Year—Day/Hour/
 Minute—Hour/Minute/Second—Frame Count—
 Sequence Number—Fixed Number—Blank



INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	■)
250	5.6	0	
			A M
15:30			

INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	■)
250	5.6	0	
			A M
15:30 30"			

INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	■)
250	5.6	0	
			A M
FC 0			

INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	■)
250	5.6	0	
			A M
UP 000001			

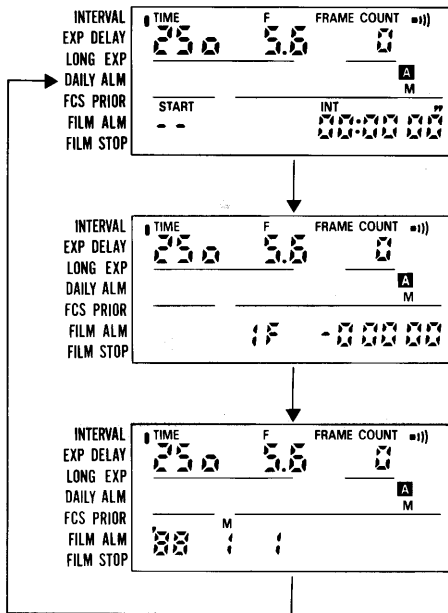
INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

TIME	F	FRAME COUNT	■)
250	5.6	0	
			A M
FIX 000001			

INTERVAL
EXP DELAY
LONG EXP
DAILY ALM
FCS PRIOR
FILM ALM
FILM STOP

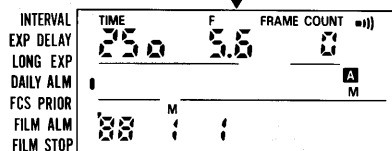
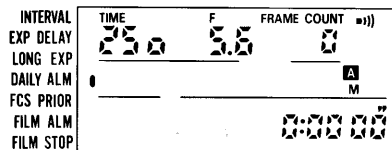
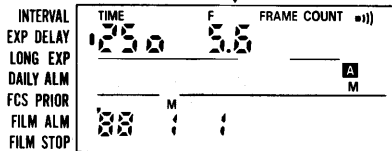
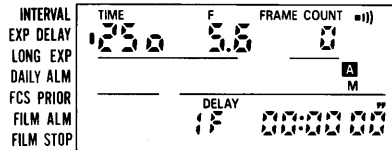
TIME	F	FRAME COUNT	■)
250	5.6	0	
			A M
—			

Interval Timer function: Start Time (Day/Hour/
Minute)/Interval Time (Hour/Minute/Second)—
Frames per shooting/number of shootings—
Imprinted Data



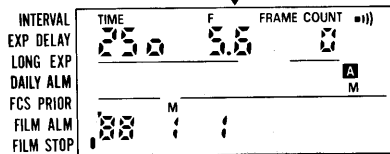
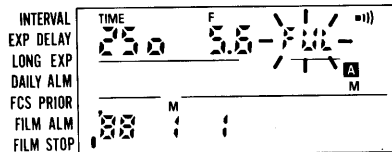
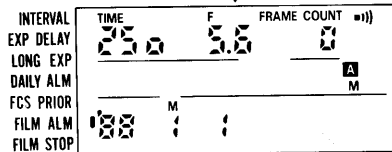
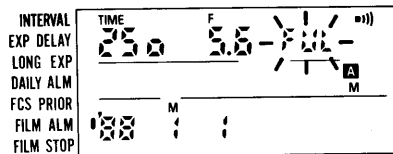
Exposure Delay function: Frames per shooting/
remaining time—Imprinted Data

Daily Alarm function: Alarm time (Hour/Minute/
Second)—Imprinted Data



Film Alarm function: Number of frames—
Frame count

Film Stop function: Number of frames—
Frame count

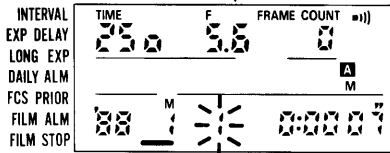
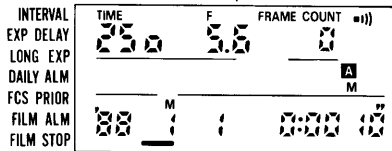
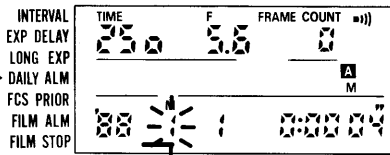
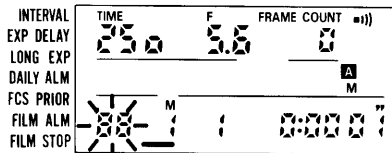


SEL

SEL (SELECT) Button

This button lets you select the numerical indicators you want to change. It also lets you select desired imprint exposure level while the Imprint Level adjust

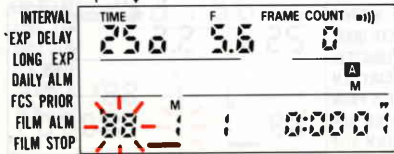
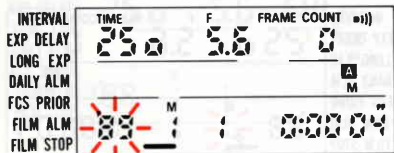
indicator is showing, or choose center value, compensation degree or number of frames in Auto Exposure Bracketing.





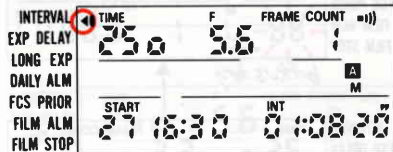
Adjust Buttons

Push (↑) button to advance numerals, push (↓) button to count backwards. To change numbers rapidly, hold button in.



S/R (SET/RESET) Button

Push to set/reset Interval Timer, Exposure Delay, Long Time Exposure, Daily Alarm, Freeze Focus, Film Alarm or Film Stop function.



	TIME	F	FRAME COUNT	Ⓜ)
INTERVAL	250	5.6	1	
EXP DELAY				
LONG EXP				A
DAILY ALM				M
FCS PRIOR		DELAY		
FILM ALM	3F		0:08:20	
FILM STOP				

	TIME	F	FRAME COUNT	Ⓜ)
INTERVAL	250	5.6	1	
EXP DELAY				
LONG EXP				A
DAILY ALM				M
FCS PRIOR		M		
FILM ALM	89	126	15:30	18
FILM STOP				

	TIME	F	FRAME COUNT	Ⓜ)
INTERVAL	045	5.6	1	
EXP DELAY				
LONG EXP				A
DAILY ALM				M
FCS PRIOR		M		
FILM ALM	89	126	1:45	32
FILM STOP				

	TIME	F	FRAME COUNT	Ⓜ)
INTERVAL	250	5.6	26	
EXP DELAY				
LONG EXP				A
DAILY ALM				M
FCS PRIOR		M		
FILM ALM	89	126	15:30	18
FILM STOP				

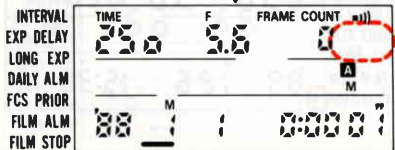
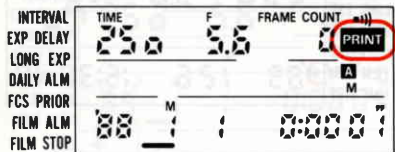
	TIME	F	FRAME COUNT	Ⓜ)
INTERVAL	250	5.6	1	
EXP DELAY				
LONG EXP				A
DAILY ALM				M
FCS PRIOR				
FILM ALM			12:30	30
FILM STOP				

	TIME	F	FRAME COUNT	Ⓜ)
INTERVAL	250	5.6	20	
EXP DELAY				
LONG EXP				A
DAILY ALM				M
FCS PRIOR		M		
FILM ALM	89	126	15:30	18
FILM STOP				

PRN

PRN (PRINT) Button

With Data imprint function selected, push PRN button to imprint the data on your picture. Data Imprint set indicator (PRINT) means data will be imprinted. To cancel Data Imprint, push button again to PRINT turns off.



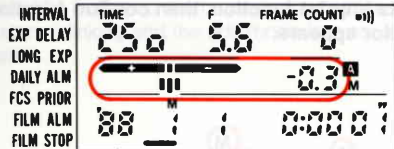
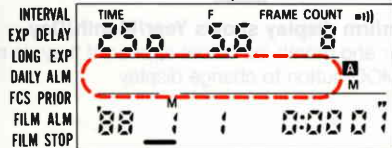
S/S

S/S (START/STOP) Button

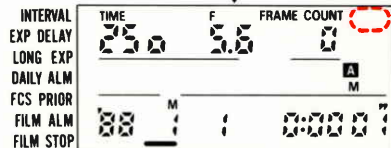
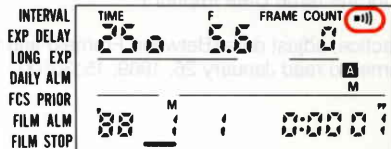
Push to start/stop Interval Timer or Exposure Delay, or to stop Long Time Exposure operation.

BKT**BKT (AUTO BRACKETING) Button**

Push to select/cancel Auto Bracketing function.

*bv4kus.org***■||)****Alarm Button**

Push to select alarm function, or to cancel the alarm sound when the Daily Alarm, Film Alarm or Film Stop indicator is blinking.



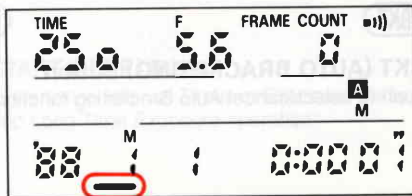
SETTING IMPRINTED DATA

To Set Date and Time

For both Data Imprint functions, *Between Frames* and *In Frame*, date and time can be set and displayed in the LCD.

Once date and time are set for either function, you do not need to set them for the other function. (For example, if you set Year/Month/Day for Between-Frames Data Imprint, the Year/Month/Day, Month/Day/Year and Day/Month/Year displays are automatically adjusted for In-Frame Data Imprint.)

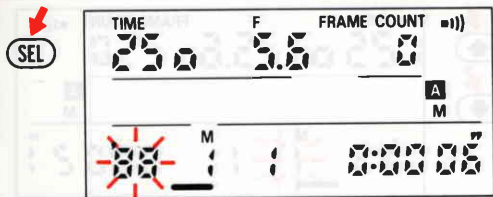
For practice, adjust date (Between Frames) and time (In Frame) to read January 26, 1989, 15:30:00.



1. Push FNC button to select Between-Frames Data Imprint function, then confirm function indicator appears.

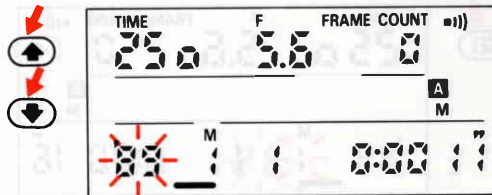


2. Confirm display shows Year/Month/Day.
Year and month indicators appear; if they do not, push MOD button to change display.

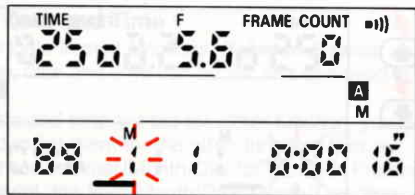


3. Set the year.

Push SEL button so the numerical indication for year starts blinking and the edit mode for year is activated.

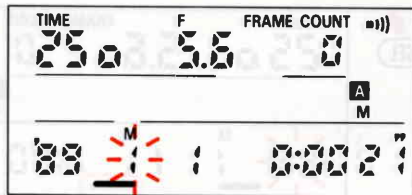


Set the year to 89 using adjust buttons.

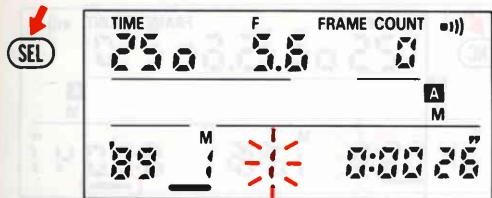


4. Set the month.

Push SEL button again so the numerical indication for month begins to blink.

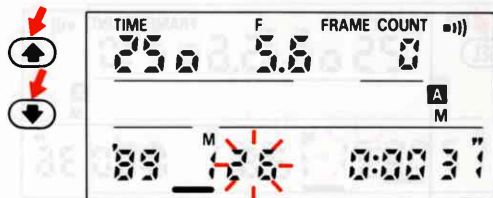


Using adjust buttons, set the month to 1.

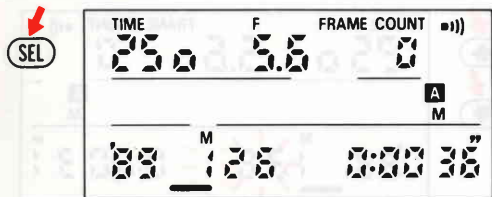


5. Set the day.

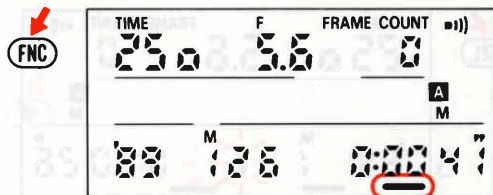
Push SEL button so the numerical indicator for day starts blinking.



Using adjust buttons, set the day to 26.



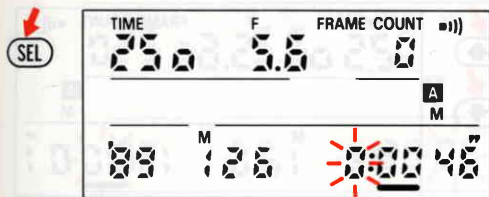
6. Push SEL button once more to stop numerical indicator blinking.



7. Push FNC button to select In-Frame Data Imprint function, then confirm function indicator appears.

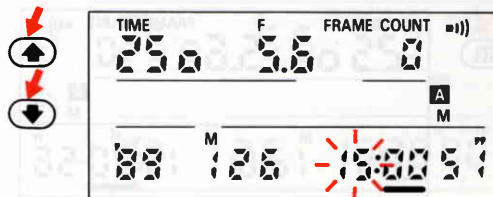


8. Confirm display shows Hour/Minute/Second.
Time indicator colon and second indicator appear.
If they do not, push MOD button to change display.

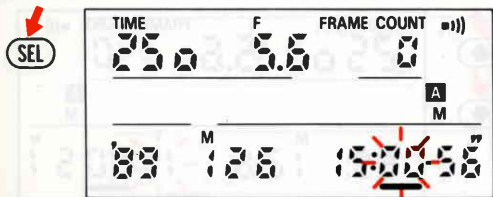


9. Set the hour.

Push SEL button so the numerical indicator for hour starts blinking.

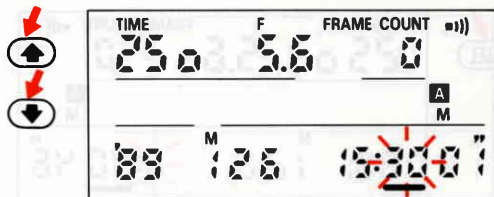


Using adjust buttons, set the hour to 15.

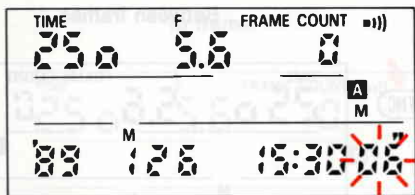


10. Set the minute.

Push SEL button so the numerical indicator for minute starts blinking.

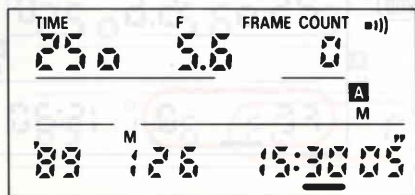


Using adjust buttons, set the minute to 30.

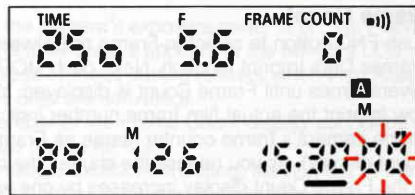


11. Set the second to 00.

Push SEL button so the numerical indicator for second starts blinking.



12. Push SEL button to complete setting.



Push either adjust button to set second to 00 and cause time to start counting.