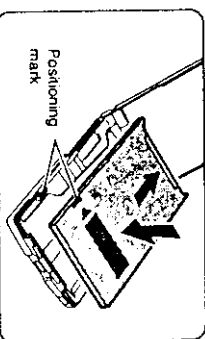# FUJIFILM

FCC ID : **F5GNX-70**

Part 15 Sub.part B Class B Digital Device

Exhibit F

OWNER'S MANUAL

FUJIFILM
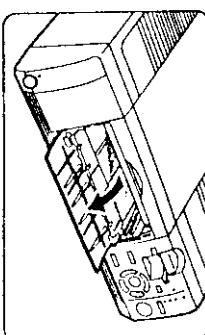
- High sharpness
  1,500,000 pixels compatible with megapixels digital cameras.
- Light and simple operation.

3 Loading the Cassette

Open the paper cassette slot.

While matching the positioning marks (gray) on the cassette and cartridge, insert the cartridge into the cassette, and gently close the cassette cover.
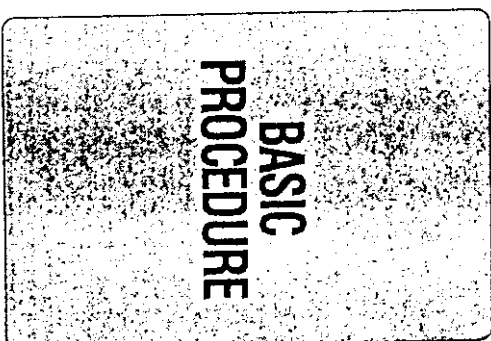
Positioning mark
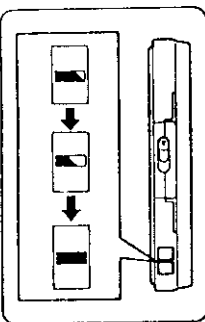
The remaining paper criteria is displayed in the remaining paper window. When the printer runs out of paper, the remaining paper window will turn red. When this occur, insert a new paper cartridge into the cassette.
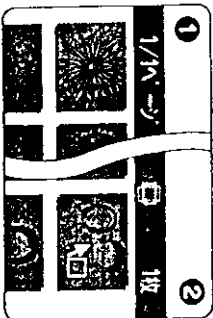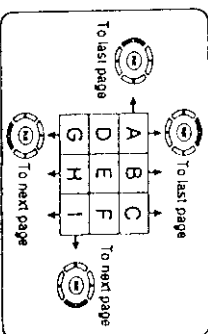
1 Reading the Index and Using the Direction Keys

❶ Displays the total number of pages and the number of the current page of the INDEX screen.

❷ Displays the number of images to be printed.

When the right direction key is pressed, the images are selected in ⒶⒷⒸⒹ order. When the left direction key is pressed, the images are selected in the opposite order.
When the down key is pressed at the last page and the up key is pressed at the first page, the first and last pages are selected, respectively.

To last page
To last page
To next page
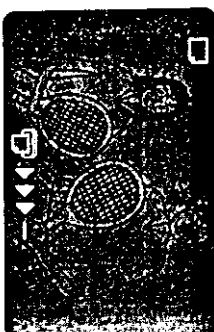To next page

BASIC PROCEDURE
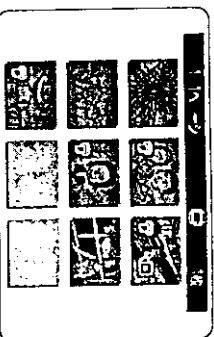
The print mark is displayed on the images. The print mark can be displayed on up to 20 images by repeating this
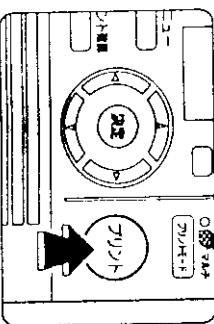
After the print mark is displayed, press the PRINT button.

✳ Do not remove the cassette during

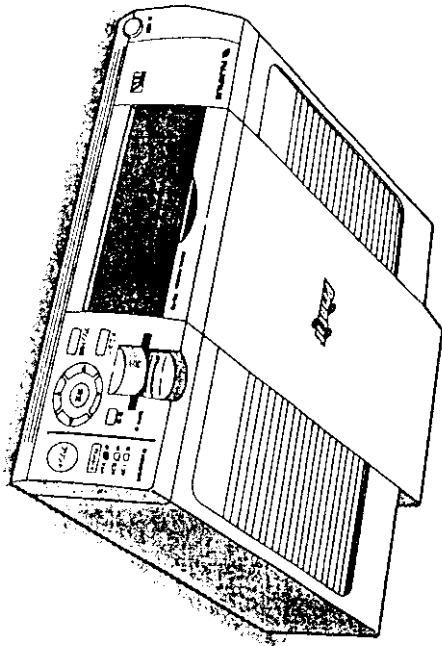Printing starts and the image being printed appears on the monitor screen.

✳ Do not touch the paper during printing

FUJIFILM

DIGITAL PRINTER TX-70

Print-it

OWNER'S MANUAL

Thank you for purchasing this FUJIFILM product.

This manual explains how to use your FUJIFILM Digital Printer TX-70.

Before using your printer, thoroughly read the "Owner's Manual" and "Safety Notes".

After reading, store the "Owner's Manual" and "Safety Notes" in a safe place.

FEATURES

- **Direct printing from SmartMedia**
  Images can be directly printed from SmartMedia to post cards and stickers.
- **High sharpness**
  1,500,000 pixels compatible with megapixels digital cameras.
- **Light and simple operation.**

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The graphical symbols are located on the bottom of the case.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For customers in the U.S.A.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty.

For customers in Canada

CAUTION

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Owner's Record

The model and serial numbers are located on the rear panel. Record the serial number in the space provided rear. Refer to these whenever you call upon your Fuji dealer regarding this product.

Model No.   TX-70
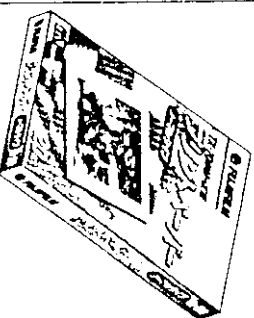Serial No.

Trademark Information

- IBM PC/AT is a registered trademarks International Business Machines Corp. of USA.
- Macintosh is a trademark of Apple Computer, Inc.
- MS-DOS and Windows are trademarks of the Microsoft Corporation of the US registered in the USA and other countries.
- All other company or product names are trademarks or registered trademarks of the respective companies.
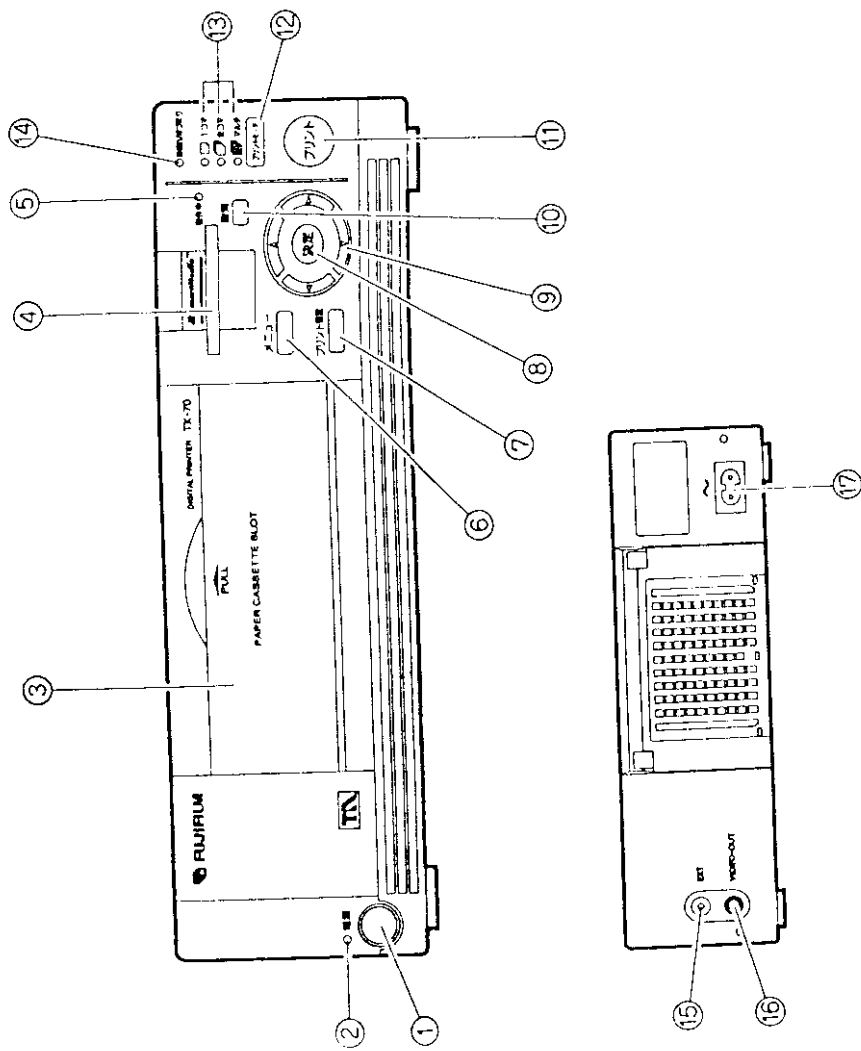

PREPARATIONS

■ Checking the Accessories

Video cable (pin plug)	1
Power cable	1
Cassette	1
Owner's Manual	1
Safety Notes	1
Warranty	1
User's Card	1
Cleaning paper	5 sheets

● Paper
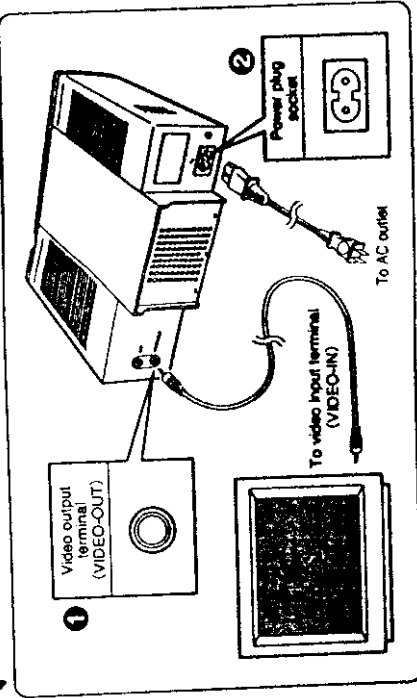
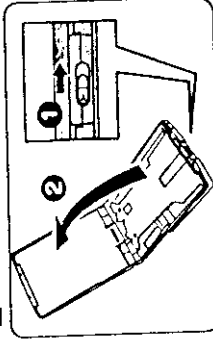|		
②	POWER lamp	Lights when the printer is on.
③	Paper cassette slot	Insert the paper cassette here.
④	SmartMedia slot	Insert the SmartMedia here.
⑤	BUSY lamp	Lights when the printer is printing or accessing SmartMedia.
⑥	MENU button	Use to turn the menu display on and off.
⑦	PREVIEW button	Use to view the image to be printed.
⑧	SET button	Use to specify printing reservation and to display the next menu on the screen.
⑨	Direction keys	Use to select the image to be printed from the INDEX or PREVIEW screen. When a menu is displayed, use these buttons to select a menu item (up and down keys) or it changes the settings of a menu item (left and right keys).
⑩	CANCEL button	When pressed while the INDEX or PREVIEW screen is displayed, the screen returns to the initial display when the SmartMedia was loaded. When this button is pressed while a menu is displayed, all the PRINT MODE settings are returned to their initial value.
⑪	PRINT button	Starts printing.
⑫	PRINT MODE button	Use to select the 1-FRAME, ALL FRAMES, or MULTI print mode.
⑬	Print mode lamps	The lamp of the selected print mode lights.
⑭	OUT OF PAPER/PAPER JAM lamp	Lights when the printer runs out of paper and blinks when the paper jams.
⑮	External connection port	Use to connect the printer to an external device using the special cable.
⑯	Video output socket (VIDEO OUT)	Use this socket to connect the printer to a monitor using the accessory cable.
⑰	Power socket	The power cable connects to this socket.

s printer uses normal type (B-20) or ...ker type (B-10S2, B-10S4, B-10S6) ...per for the TX-70 Series.

The cartridge is vulnerable to direct sunlight and high temperature and humidity. Do not store it outside its protective package.

Do not attempt to insert or remove paper into or from the cartridge. It will cause the paper to jam.

Use unpacked cartridges as quickly as possible. The use of a cartridge that has exceeded its valid period may cause a drop in printing quality.

1 Connecting the Printer

❶ Connect the video output terminal (VIDEO-OUT) on the back of the printer to the video input terminal (VIDEO-IN) of the monitor using the accessory video cable (pin plug).
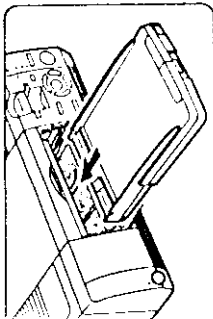
*For information regarding the video input terminal (VIDEO-IN), refer to the manual that comes with the monitor.

❷ Insert the connector at one end of the power cable into the power socket on the back of the printer and plug the power plug at the other end of the power cable into a power outlet.

2 Inserting the Cartridge

❶ Slide the lock lever in the arrow direction ❷ and open the cartridge cover in the arrow direction.

*Do not get the acrylic window at the back of the cartridge or the code label on the front of the cartridge dirty. If the window or label gets dirty, images may not be printed at optimum sharpness.

Remove the cartridge from its package and peel off the gripseal.

*The protective package co... cartridge is used to si... cartridge. Do not throw it aw...

5 Loading and Unloading SmartMedia.

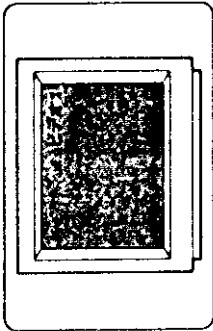...not be printed at optimum sharpness.

to the Printer

...ying attention to the direction of the ...ssette, insert the cassette into the ...ssette slot.
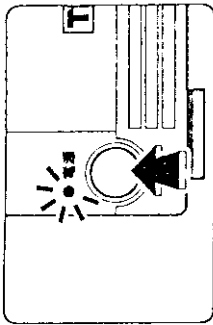
If the printer will not be used for a long time, remove the cassette and store the cartridge in the protective package.

⁴ Turning the Power On and Off

Turn on the monitor power and switch the printer to the connected monitor input mode.

* For information on monitor switching, refer to the manual that comes with the monitor.

Press the power button to turn on the power. When the power comes on, the message "Insert 🗅" appears on the monitor screen. Pressing the power button again turns off the power.

* When the power comes on, the printer enters the 1-FRAME print mode.

⁵ Loading and Unloading SmartMedia
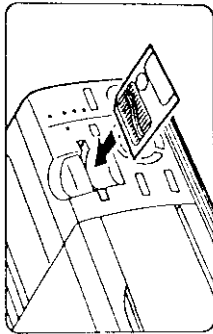
With the printer power turned on, insert the SmartMedia into the SmartMedia slot with the terminals (gold-color portion) upwards and push it in until it clicks.

* Do not touch the SmartMedia terminals.
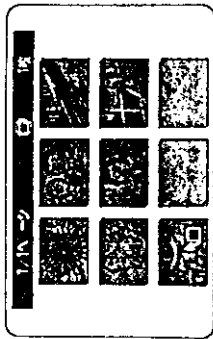
When SmartMedia is loaded, an image index is displayed on the monitor screen. The image photographed last is indicated by the 🗅 cursor.

* If "WARNING" is displayed on the screen, remove and reload the SmartMedia.
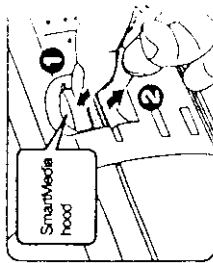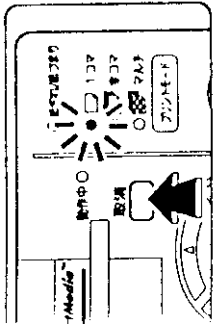
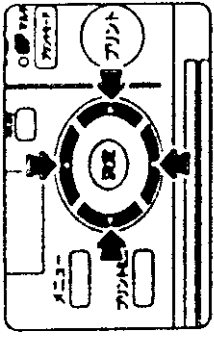When removing the SmartMedia, always grasp the SmartMedia... out ❶ while pushing in the S... hood.

* Do not remove the SmartM... the BUSY lamp is lit.

SmartMedia hood

² 🗅 Simple 1-Frame Print Operation ■ When you wish to print a single image...

Press the direction keys at the INDEX screen and move the cursor to the image you wish to print.
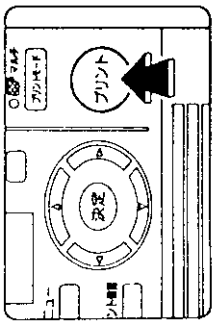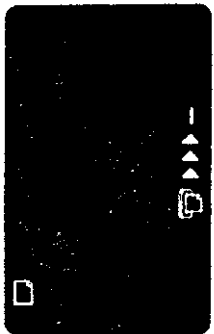
When the CANCEL button is pressed at the INDEX screen, the monitor screen is turned to the display when the SmartMedia was loaded.
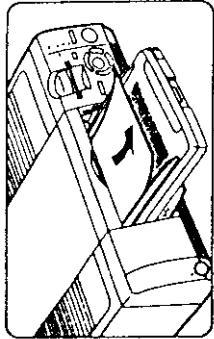
Press the PRINT button.

Printing starts and the image being printed appears on the monitor screen.
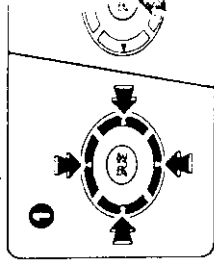
* Do not touch the paper during printing.
* Do not remove the SmartMedia.
* Do not remove the cassette during printing.

At the end of printing, the printed paper is ejected and the display returns to the INDEX screen.

* Do not allow a large number of sheets of printed paper to pile up on the cassette.

³ 🗅 Simple All Frames Printing Operation ■ When you wish to print the entire contents of the SmartMedia...

Press the PRINT MODE button and select ALL FRAMES.

When the ALL FRAMES PRINT mode is selected, the cursor icon changes to 🖼.
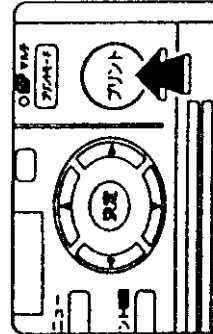
Press the PRINT button. The image being printed appears on the monitor screen.

* Do not remove the cassette during printing.

All the images on the SmartMedia are printed.

* Do not touch the paper during printing.
* Do not allow a large number of sheets of printed paper to pile up on the cassette.

The images indicated by the print mark are printed.

The images are printed in print mark order.

* Do not allow a large number sheets of printed paper to pile up on the cassette.
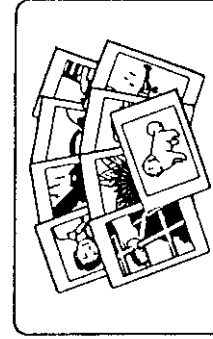
■ When there are multiple images you wish to...

❶ Select the images you wish... from the INDEX screen using... ❷ and reserve printing of the... by pressing the SET button.

...NU is displayed, the current
settings are all returned to
...lue.

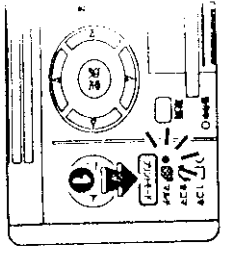MODE button. ❷ the menu can be
opened pressing the MENU button.

select 2, 4, or 16 from the SEPARATE
item.

STICKER.

* To print standard paper (normal type
paper), change the PAPER item to
NORMAL.

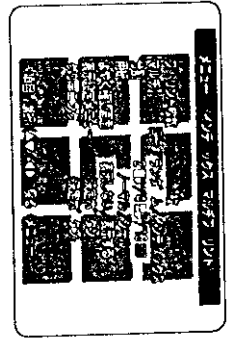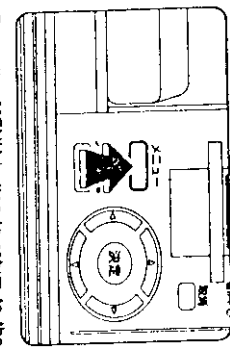INDEX screen.

print on the INDEX screen.

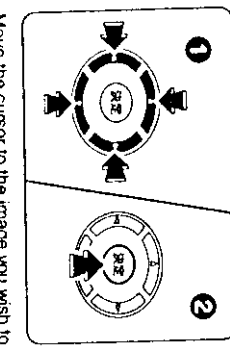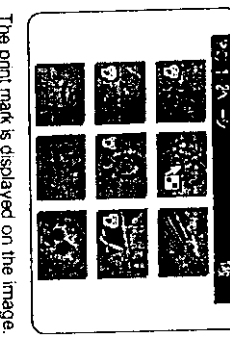# ...ndom Multi Print Operation ■ When you wish to index print arranged images...

Select RANDOM from the MULTI items
and select 2, 4, or 16 from the INDEX
item.

Press the MENU button to return to the
INDEX screen.

Move the cursor to the image you wish to
print on the ❶ INDEX screen and press
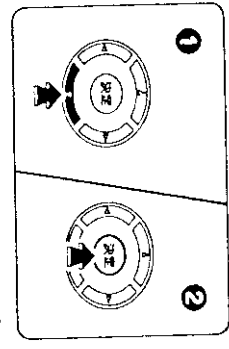the ❷ SET button.

The print mark is displayed on the image.
Display a print mark on all the images
you like by repeating this operation.
When you wish to remove a print mark,
set the cursor to the desired image and
press the SET key. The print mark will
disappear.
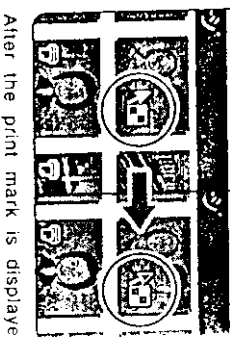
After the print mark is displayed
according to the number of index
selected with the menu, the cursor
changes from "⬚" to "⬚".

* images can be printed even if all the
print marks are not displayed.
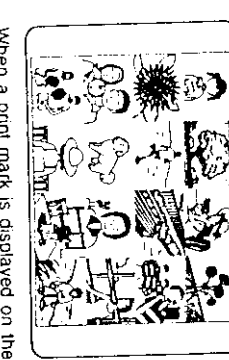However, the remaining frames are
printed all white.
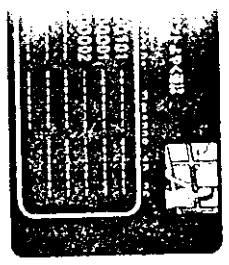
■ Random Multi & Reservation Screen Technique

❶ If you wish to cancel reservation of a
certain image, press the down direction
key and select the file you want to cancel
❷ and press the SET button.
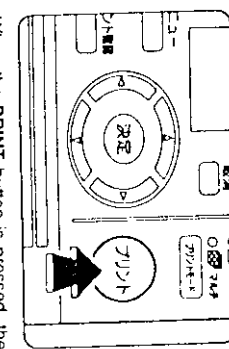
When the PRINT button is pressed, the
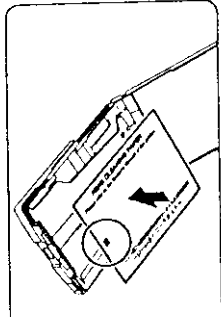reserved images are printed in the
selected print mode.

When a print mark is displayed on the
INDEX screen, since the same image
cannot be selected twice, different
images are separate printed.
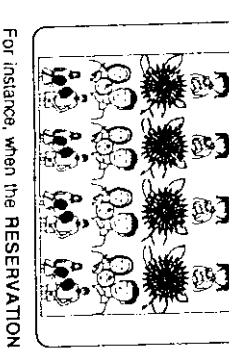
For instance, when the RESERVATION
screen is used and 16 frames of four
images each are separate printed, four
frames of each image can be printed.

* Before printing, the images can be
viewed on the PREVIEW screen by
pressing the PREVIEW button.

■ Cleaning the head

Insert the cleaning paper (supplied) in
the cassette as shown in the figure.

* Pay careful attention to the direction
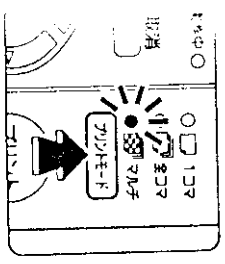the cleaning paper. Never insert two
more sheets of cleaning paper.

■ ...ELLANEOUS NOTE

• If a radio or radio-cassette player is used near this printer, a
humming sound may be audible during radio broadcasts.
Also, placing this printer close to a VCR may cause distortion
in the television image. If any of these occur, move the
appliance (radio, VCR, etc.) as far as possible away from the
printer.

■ When the Printer is Not in Use
• As a rule, the printer should be switched off when it is not
being used.
• If the printer will be left unused for an extended period, such
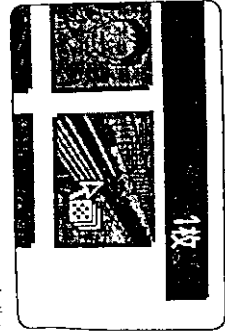as during a vacation, unplug the printer from the power outlet.

■ ...
...casing and control panel by wiping gently with a soft
...ularly heavy soiling, apply a neutral detergent diluted
...t to a cloth and wipe the casing. Then use a dry cloth
...away any moisture.

...on Using the TX-70
...e printer on a horizontal surface. Do not use the
...an incline or standing on end.
...e or store the printer in the following locations:
...sunlight

print quality. When this occurs, the thermal head must be
replaced. Contact your Fuji dealer.

■ Condensation
• Note that the following can result in the formation of
condensation in the printer:
· Placing the printer in very humid or steamy locations
· Moving the printer from a cold outdoor location into a warm
room.
· Moving the printer suddenly from an air-conditioned room
into a very warm and humid environment.

Note

SPECIFICATIONS

|	
Model	Digital Printer TX-70
Print Method	Thermo-Autochrome
Compatible Paper	Printing paper for TX-70 Series (sold separately) · B-20 (normal type) · B-10S2 (sticker type, 2 cuts sheet) · B-10S4 (sticker type, 4 cuts sheet) · B-10S16 (sticker type, 16 cuts sheet)
Paper Size	100 × 148 mm
Print Size	10.85 × 126 mm (max)
No. of Pixels Printed	1024 (H) × 1518 (W) dots (max)
Colors Supported/	256 gradations each color (8b...

Simple Multi-Print Operation ■ I wonder what this SmartMedia contains?...
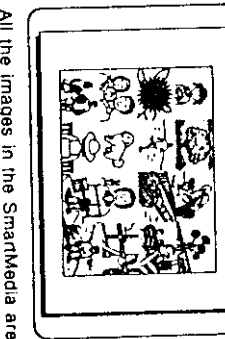
When the **MULTI** mode is selected, the cursor icon changes to [icon].
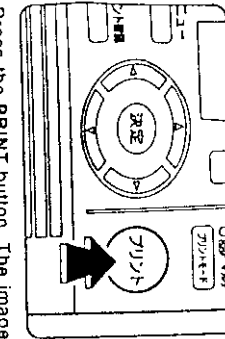
PRINT MODE button and MULTI mode.

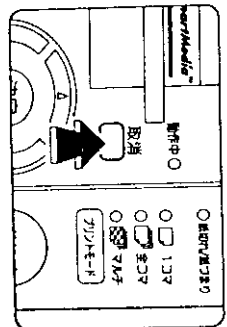Press the **PRINT** button. The image being printed appears on the monitor screen.

*Do not remove the cassette while the printer is printing.

All the images in the SmartMedia are printed by 16-frame/print index printing.

*Do not touch the paper during printing.
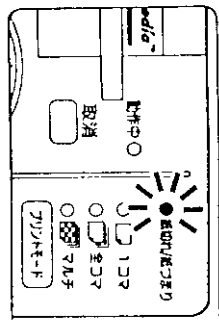*Do not allow a large number of sheets of printed paper to pile up on the cassette.
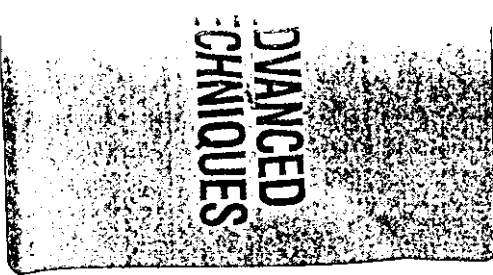
5 Halting Printing...

Printing can be halted by pressing the **CANCEL** key.

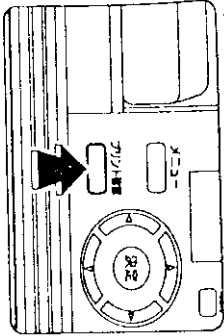*When the **CANCEL** button is pressed, printing stops after the current image is printing.

6 When the Printer Runs Out of Paper

When the **OUT OF PAPER/PAPER JAM** lamp lights and the message "Load more paper." is displayed, load a new cartridge into the cassette.

# 1 Previewing the Image to be Printed

*When the **PRINT** button was pressed, printing is performed in the set printing mode.
*The INDEX screen can be displayed at any time by pressing the **PREVIEW** button again.
*When the printing mode was switched, the display is automatically switched to the INDEX screen.

The image to be printed (PREVIEW screen) can be viewed by pressing the **PREVIEW** button. The image can be printed by pressing the **PRINT** button while the PREVIEW screen is being displayed.
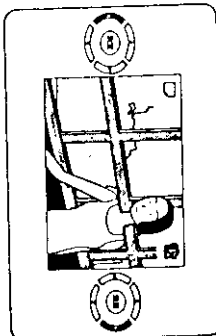
● In the 1-FRAME mode, the image indicated by the cursor is displayed and can be switched using the left and right direction keys.

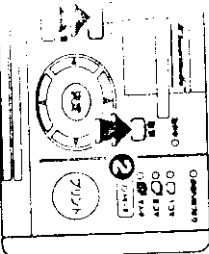Automatic all frames display
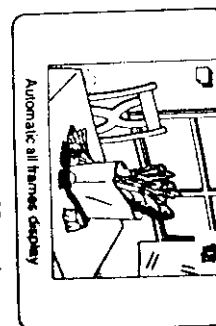
● In the ALL FRAMES mode, one image is displayed over the entire screen and the images are sequentially displayed automatically.

Automatic index display
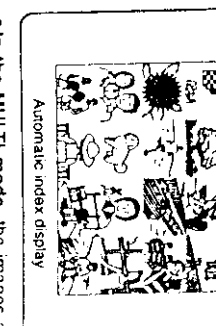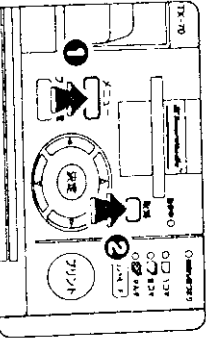
● In the MULTI mode, the images are separated and displayed. Only index printing sequentially displays the images automatically.

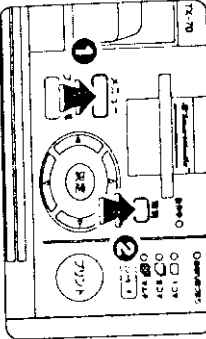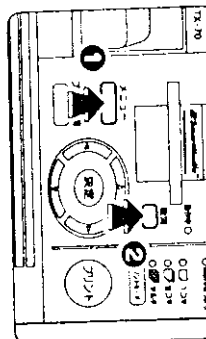# 4 Same Multi Print Operation ■ When you wish to separate print one image...

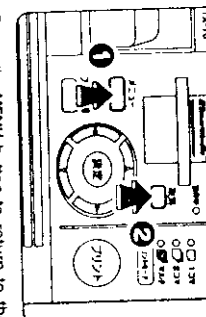● By selecting **MULTI** with the PRINT MODE button, ● the menu can be opened pressing the **MENU** button.

Select **SAME** from the MULTI menu and select 2, 4, or 16 from the SEPARATE item.

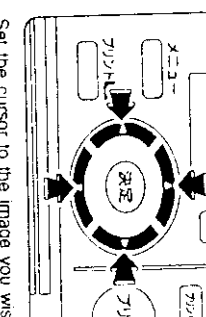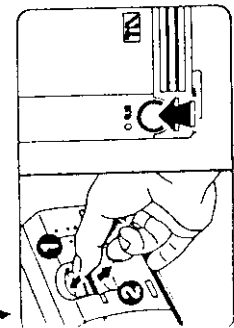The **PAPER** item is automatically set to **STICKER**.

*To print standard paper (normal type paper), change the **PAPER** item to **NORMAL**.

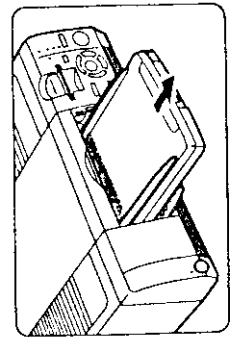Press the **MENU** button to return to the INDEX screen.

Set the cursor to the image you wish to print on the INDEX screen.

u Don't Know ch Menu is Selected

CANCEL button is pressed ● MENU is displayed, the current settings are all returned to value.

COPIES	Sets the number of prints made of the same image. * When the printing mode is switched, the number of prints is switched, the number of prints is set to one even if two or more prints set. In the ALL FRAMES mode, the number of prints cannot be set.
DISPLAY SWITCHER	When the SET button is pressed, the menu is switched. • FILENAME : Selects DISPLAY or NO DISPLAY in the DISPLAY SWITCHER mode on the screen. • INDEX : To display the index display from the first page, select BEGINNIG, and to display display from the last page, select END. • PREVIEW : To enable characters display on the PREVIEW screen, select CHARACTER disable characters display, select NO CHARACTERS.

Menus common to 1-FRAME and ALL FRAMES modes

DATE PRINT	Selects PRINT or NO PRINT in the DATE PRINT mode. • The date is printed on the print in orange. • If the image does not have any date data, the date is not printed. (Only a period is printed.)
SIZE	Selects the printing range. • LARGE : Entire print area (The image is cut.) • NORMAL : Entire image area (The white space on the printing surface increases.)

ALL FRAMES mode menu

PRINT SELECTION	To print everything, select ALL FRAMES and to print protected frames only, select PROTECT. * "Protect" is a function that can be selected with a digital camera.

MULTI mode menu

MULTI	SAME : Uses the same image when printing separate prints. RANDOM : Arbitrary images can be specified when printing separate prints. INDEX : Outputs all the images in the SmartMedia on a 16-frame index print.
SEPARATE	2-frame, 4-frame, or 16-frame can be selected only in the SAME or RANDOM.
PAPER	Selects NORMAL or STICKER in the PAPER mode.

Menus common to 1-FRAME and RANDOM MULTI modes

RESERVATION	Selects DISPLAY or NO DISPLAY in the RESERVATION mode. Checks which screens were selected and registers and cancels printing reservation. random multi technique that is used only with the RESERVATION screen. (Refer to the pertinent)

Menu items selected only from the PREVIEW screen

SHARPNESS ADJUSTMENT	When the SET button is pressed, the menu is switched. • AUTOMATIC : Sharpness is optimally compensated according to the photographed scene. For instance, for backlighted scenes, the subject is often dark. This func compensation so the subject is beautifully printed. • OTHER : Brightness and contrast can be adjusted without regard to automatic adjus
ZOOM	When the SET button is pressed, the printer is switched to the ZOOM mode. This can be exec the 1-FRAME mode. • SIZE (NORMAL) : The image can be magnified 1.0, 1.5, or 2.0 times. After magnification can be trimmed using the direction keys. When the PRINT button is pressed, the trimmed image displayed on the screen is printed. At the end of printing, zooming is canceled and the INDEX screen is displayed. * To cancel the ZOOM mode, open the menu again and press the SET button

■TROUBLESHOOTING

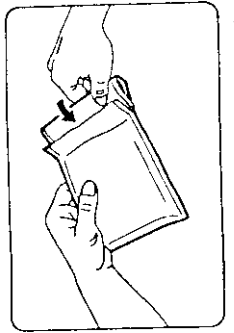| Event	Meaning	Response

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Remove the SmartMedia and turn off the power.

* Do not turn off the power during printing or when the BUSY lamp is lit.

Remove the cassette from the printer and close the paper cassette slot.

Place the used cartridge in the protective package. Always store the cartridge by folding the opening of the protective package closed.
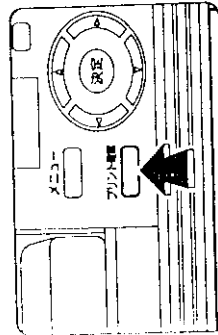
2 Menu

• When all the images have been displayed, the automatic display (slide show) function returns to the INDEX display. Images can be printed even during slide display by pressing the PRINT button.

• When the CANCEL button is pressed when the PREVIEW screen is displayed, the display is returned to the initial display when the SmartMedia was loaded
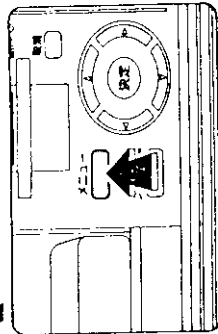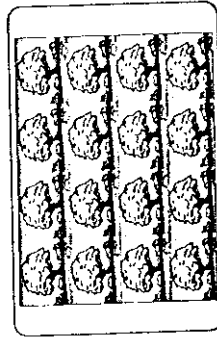
When the MENU button is pressed, a menu is displayed, and various printing settings can be selected. (The menus are described in the table at the right.)
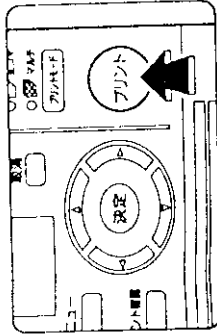
* Only the setting items matched to the menu screen displayed are displayed.

Basic operation in the MENU uses the up and down direction keys to select the item and the left and right direction keys to change the setting.

Setting in the MENU is ended by pressing the MENU button again.

The image to be printed appears on the monitor screen.

Press the PREVIEW button and verify the image to be printed.
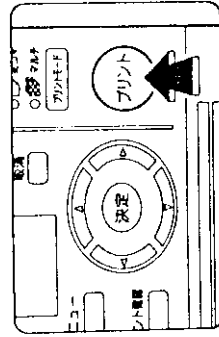
Press the PRINT button to print the image.

6 Reservation Screen Operation

■ TROUBLESHOOTING

Event	Meaning	Response
① The three PRINT MODE lamps all light (green).	● The printer mechanism is being initialized	● Leave the printer for a short time. ● Once the printer mechanism is initialized, the FRAME mode lamp will light.
② OUT OF PAPER lamp lights (red).	● The paper cartridge is empty. ● The paper cartridge is loaded wrong way round or upside down.	● Check the cartridge paper in the printer. load it correctly.
③ PAPER JAM lamp blinks (red).	● Printed paper is jammed on the cassette. ● Paper cannot be fed correctly.	● Remove the paper on the cassette. ● Unplug the printer from the power few minutes, and then plug it back in on. ● If the same problem recurs, contact dealer or authorized Fuji service facility.
④ All the lamps blink.	● Paper cannot be ejected correctly. ● Mechanism or circuit is not opera-ting normally.	● Unplug the printer from the power few minutes, and then plug it back in on. ● If the same problem recurs, contact dealer or authorized Fuji service facility.
⑤ One of the PRINT MODE lamps blinks.	● Printing is in progress.	● Once printing is finished, the current MODE lamp will light.
⑥ All three PRINT MODE lamps blink.	● The thermal head temperature is too high.	● Once the thermal head temperature is lamp for the selected print mode only.

Event		Check
Power	Power is not supplied.	● Is the power cord unplugged from the power outlet? ● A safety device may have operated. Unplug the from the power outlet, wait a few minutes, and back in and turn on the power.
	Power is turned on, but the printer does not operate.	
Monitor screen	SmartMedia image does not appear on the monitor screen.	● Is the SmartMedia loaded correctly? ● Is the video cable connected correctly? ● Is the monitor input switch set to the VIDEO position?
	Image colors are abnormal.	● Is the monitor adjusted correctly? ● Is the picture quality adjusted correctly?
Operation	Paper is ejected without being printed.	● Is the special paper cartridge being used? ● Is the paper cartridge loaded wrong way around?
	Cannot print.	● Is the OUT OF PAPER/PAPER JAMMING lamp lit. ● Is the paper cartridge loaded correctly?
	Paper is printed but is not ejected.	
	Power cord was unplugged while printing.	● Plug the power cord into the power outlet and power by pressing the POWER switch. After the ma initialized, turn off the power.
	"Insert 🖭" was displayed.	● Is the SmartMedia loaded properly? ● When the message "Check contents of 🖭" is disp contents of the SmartMedia may be film that cann with this printer.

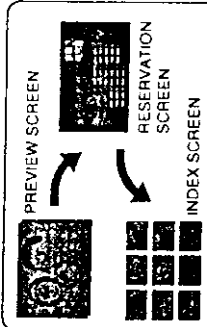
⑥ Reservation Screen Operation

❶ Press the PREVIEW button and check the images to be printed. The images are in the order of assignment of the print marks, beginning from the left top.
❷ Press the PRINT button and print the images.

PREVIEW SCREEN
RESERVATION SCREEN
INDEX SCREEN

When "RESERVATION SCREEN" is selected from the menu, the screens are displayed in "PREVIEW SCREEN" → "RESERVATION SCREEN" → "INDEX SCREEN" order each time the PREVIEW button is pressed.
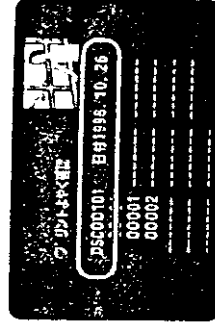
The filename and date of the displayed image are displayed in the white frame. A different image on the SmartMedia can be viewed by pressing the right or left direction key here.
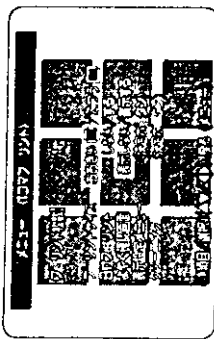
Display the menu and select CLEANING and press the SET button.

★CLEANING cannot be selected from the PREVIEW and RESERVATION screens.

When the SET button is pressed at this screen, cleaning begins.

When the head is soiled by dust, the printed images may become fuzzy or thin vertical scratches may appear running down the image. If this occurs, clean the head.

	● Dated prints ● Random multi prints (2 / 4 /16) ● Same multi prints (2 / 4 /16) ● Index prints of images included in SmartMedia (16) ● Continuous prints (up to 20 pages)
SmartMedia input	SmartMedia slot (front, 1)
Compatible SmartMedia	Capacity : 2, 4, 6, 16 MB (voltage : 3.3V, 5V)
Compatible Image Format	Exit Ver.1.0~2.1 (JPEG standard or TIFF standard), BMP (uncompressed, 24 bits full color only)
Compatible No. of Pixels	26.240 (H)×320 (W) dots to 1200 (H)×1800 (W) dots
Video Output Socket	VIDEO OUT (rear,1) : Pin jack, 1Vp-p, 75Ω, unbalanced, synchronized nega-tive
External Connection Port	Stereo mini minijack (2.5mm dia.)
Paper Feed Method	Automatic feed (max. 20 sheets : Normaltype)
Power Requirement	100V AC, 50/60 Hz
Power Consumption	Printing : Approx. 135 W max. Standby : Approx. 10 W
Dimensions	270 (W)×80 (H)×290 (D) mm
Weight	Approx. 2.8 kg
Operating Conditions	+5°C to +30°C, 15% to 80% RH (no condensation) +30°C to +35°C, 15% to 60% RH (no condensation)
Power Cord Length	Approx. 1.8 m

*All specifications and performance data are subject to change without notice.
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