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In the interest of safty, please observe the following precautions;

POWER REQUIREMENT

This Video Copy Processor is designed for operation on

220-240V, 50Hz AC.

Never connect to any outlet or power supply having a differnt voltage or frequency.

WARNING: THIS APPARATUS MUST BE EARTHED.

PROTECTIVE MEASURES

IF ABNORMALITIES ARISE, ...

Use of the unit during emission of smoke or abnormal sounds (without adopting countermeasures) is ϵ In such a case, unplug the power cord form outlet immeadiately, and request maintenanc from the sales dealer.

NEVER INSERT ANY OBJECT INTO THE UN Foreign objects of any kind inserted into this unit a safety hazard and can cause extensive dam object should be inserted into the unit, unplug

object should be inserted into the unit, unplicord, then contact the sales dealer.

DO NOT PLACE ANYTHING ON THE UNIT

Heavy objects placed on the unit can cause cobstruct proper ventilation.

PROTECT THE POWER CORD

Damage to the power cord may cause fire or sho When unplugging, hold by the plug only ar carefully.

Never put a heavy thing on the power cord. The be damaged causing a fire or electric shock.

DO NOT PLACE WATER CONTAINERS ON 1

Do not place flower vases, and other wal containers on the unit. If, for some reason, wate the inside of the unit, unplug the power corr source outlet, and contact the sales daler. If us corrective measures, the unit may be damaged

DO NOT REMOVE THE CABINET

Touching internal parts is dangerous, besides, it may lead he sales dealer to carry out internal

ents. er for eliminating a jammed paper,

ect the power cord plug.

A HORIZONTAL LEVEL

affected if it is placed in slanted a places.

JEW FORMATION

is, if the unit is moved quickly from to a warmer one, dew is likely to med, printing is not possible.

I TEMPERATURE RANGE

temperature range is 5°C-40°C,

D PRINT PAPER EXIT SLOT

or any material into the paper exit

sed, set the lever located on the sition. If it is left at the PRINT oft contact with the rubber roller causing uneven printing.

INSTALLATION LOCATION

MAINTAIN GOOD VENTILATION

Ventilation slots and holes are provided on sides Place the unit on a hard and level surface and least 10cm from walls to ensure proper ventilation.

UNSUITABLE LOCATIONS

Avoid shaky places or hot-springs areas where hydrogen sulfide and acidic ions are likely to be generated.

PLACES WITH HIGH HUMIDITY AND DUST

Do not place the unit at locations with high humidity and/or dust. They can cause extensive damage.

Avoid places where the unit is likely to contact oily furnes and vapours.

O BE EXTREMELY HOT

irect sunlight, or near heating tremely high temperatures, which

may deform the cabinet, or can become a prime cause of damage.

SET THE UNIT ON A FLAT PLACE

Do not use the unit in the state inclined ±20° in vertical or horizontal direction, or in a unstable place.

It will disturb paper feeding or ventilation, or affects the set.

FOR LONG OPERATING LIFE

UNSUITABLE MATERIALS FOR THE UNIT

Many plastic components are used in the back-side. Coat flaking and deformation are likely to occur if the unit is wiped with chemical dusters, benzine, thinner or any other solvent, if rubbers or PVC items are left in contact with the unit for extended duration, or if the unit is sprayed with insecticide.

CARE OF THE CABINET

Unplug and clean with a soft colth slightly moistened with a mild soap and water solution. Allow to dry completely before operating. Never use petroleum base solutions or abrasive cleaners.

HEAD ABRASION

The thermal head, like the video head, wears out. When it is abraded, it becomes hard to print out fine details of the picture. In such a case, it is necessary to replace the thermal head. Consult with the sales dealer for replacing the head.

WHEN A DEFECT IS FOUND

When you detect smoke or smell from the unit, disconnect immediately the power cord plug from a wall socket and ask the agent for repair. Dangerous if the unit is operated in that state.

CONNECTION DEVICES

Read thoroughly "Operating Precautions" of the instruction booklets for the devices connected with the Video Copy Processor.

Do not disconnect the power cord during printing. CAUTION ON RELOCATING

When transporting this unit, make sure it is not likely to be subjected to impacts. They can be a prime cause for damage. Further, make sure to disconnect the power cord from the power outlet, and the cables from the connected devices.

UNPLUG THE POWER CORD DURING A LONG ABSENCE

Turn off the MAIN power switch and unplug the power cord during a long absence.

THERMAL PAPER

- Thermal paper K65HM (High-density synthetic paper for high quality printing) is available.
- One roll of K65HM permits printing about 260 pictures.
- When the remaining length of the paper is about 40cm, a color belt appears at the paper end. Prepare for replacement of the paper. If the remaining paper length is less than 40cm, printing becomes uneven due to the uneven paper core surface.
- When the Printed paper is touched by wet hand, the print may be discolored.
- When the paper runs out during printing, the printing operation stops and "EP" is displayed by the indicator on the front panel. Install new paper at this time.
- Store the printed paper in a place with low humidity free from a direct sunlight.
- If the paper absorbs non-volatile organic solvents (alcohol, ester, katone, etc.) the print may be discolored.
 Particularly, if the paper comes in contact with soft vinyl chloride such as a transparent tape, it quickens discoloration.

- . Do not use paper other than the specified one.
- Immediately after the paper is replaced, 2-3 images may be printed with a blank part due to hand's dust or oil.
- Avoid a direct sunlight or a plane near a heater, and store the paper in a place with 30°C or lower temperature and 20-80% RH.
- When the paper is rapidly transferred form a cool place to a hot place, a vapor or a dew is generated on the paper surface causing paper jam or degraded printing quality. Leave the paper in a room to familiarize with the temperature before using it.
- A finger print or dust on the paper surface may degrade the printing quality.

Note

Mitsubishi brand thermal paper is specially treated with an anti-static coating against thermal head damage caused by static-electricity discharge. The use of non-treated paper may cause premature head failure in your product.

SAFETY TECHNICAL CHECKS

Terms: The safety test has to be done, according to the specified terms of 11 chp. 1 MedGV mentioned in the certificate acc. 22 chp. 1, 22 chp. 2 or acc. to the type approval 5 MedGV or according to the recommendation of the medical set manufacturer.

Items

- a) Visual check
 - Housing, cables, operator controls, readout device (displays, LED etc.), labels, accessories, instruction manual.
- b) Function test
- Performance check acc. instruction manual, also unity and applicability of set and accessory test.
- c) Electrical check
- Safety electrical test of the configuration in accordance with VDE 0751

"In the interest of safety, avoid the handling of liquids beside the set."

RESPONSIBILITY OF THE MANUFACTURER

The manufacturer, assembler, installer or importer considers himself responsible for the effects on safety, re and performance of the EQUIPMENT only if;

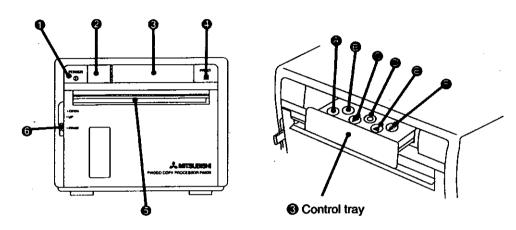
- assembly operations, extensions, re-adjustments, modifications or repairs are carried out by persons aut by him, and
- the electrical installation of the relevant room complies with the IEC requirements
- the EQUIPMENT is used in accordance with the instructions for use,

TECHNICAL DESCRIPTION

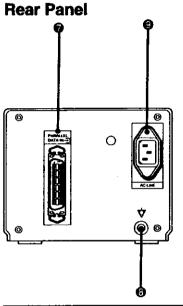
The supplier will make available on request such circuit diagrams, component part lists, descriptions, cal instructions or other information which will assist the USER's appropriately qualified technical personnel to those parts of the EQUIPMENT which are classified by the manufacturer as repairable.

3 FEATURES AND FUNCTIONS

Front Panel



	Name	Function	Reference Page
0	POWER switch	Turns on/off the power.	10
0	Indicator	Displays stand by, functions and error messages.	11-18
0	Control tray		
	Set button	Sets each function value	13•17
	Paper button	Select paper type	13
	© Function value change button (▼)	Changes each function value	14-17
	O Function button	Select functions	14-17
	© Function value change button(▲)	Changes each function value	14-17
`	₱ FEED button	Press this button to feed paper.	19
0	PRINT button	Press this button to print the picture memorized.	10
6	Print exit/Cutter	Printed paper will come out through this slot.	
3	Lever	Front panel open-close/Thermal head up-down.	7 • 10 • 19



TYPE CF EQUIPMENT
Class I or II EQUIPMENT of EQUIPMENT
with an INTERNAL ELECTRICAL POWER
SOURCE, providing a high degree of
protection against electric shock particularly
regarding allowable LEAKAGE CURRENTS,
and having an F-TYPE ISOLATED
(FLOATING) APPLIED PART.
TYPE CF EQUIPMENT is primarily intended for
DIRECT CARDIAC APPLICATION.

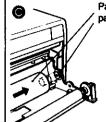
Potential equalization terminal
This is used to equalize the potential of the
equipment connected to this unit.
In medical rooms, when CF-type equipment is
connected, it is necessary to equalize the
potential of both units.
For details, refer to the installation instruction of
the equipment to be connected.

	Name	Function	Reference Page
0	PARALLEL DATA IN connector (36 Pin connector)	Parallel data interface (CENTRONICS® STANDARD)	20-21
8	Potential equalization terminal	Makes the connected equipment potential equal.	9
9	Power terminal	Connect the power cord to this terminal.	9

INSTALLATION OF PAPER

Paper (High-density paper K65HM)

■ Moisture, fingerprint or dust on the paper surface may cause a noise at printing or deterioration in print quality. Set the paper in the following procedure to prevent adhesion of finger-print or dust on the paper surface.



Paper roll paper holder

- Set the paper roll first on the left side paper holder.
- Set the paper roll on the right side paper holder.

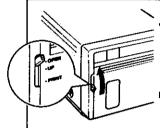
· Pull out the

touched paper

15 - 20cm), and close the door.

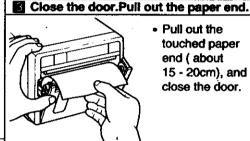
end (about

Open the door.

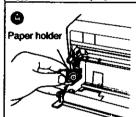


Switch the lever located on the left side to the "OPEN" position.

□ The door opens.

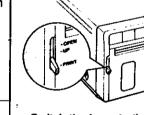


Load the paper roll.

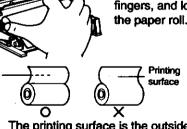


surface

 Enlarge the paper holder located on the left side leftward.

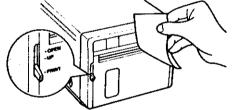


 Hold the paper holder with your fingers, and load the paper roll.



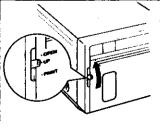
The printing surface is the outside. Set the paper roll as shown in the illustration marked "()".

Cut the paper end.



- Switch the lever to the "PRINT" position.
- . Cut the paper end with the cutter just like tearing off the paper.

Flip up the lever.



Switch the lever to the "UP" position if printing is not to begin right away.

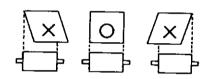
■ When setting the paper, observe the following precautions to. prevent paper jam.

Do not use defective paper.



■ Do not use the bent or wrinkled paper.

Adjust the paper position correctly.



■ When the paper is fed out skewed from the print exit, adjust the paper position so that it is fed out straight.

CAUTION

- Keep the high-density paper away from fingerprint, dust or moisture when storing it.
- Do not touch the rubber roller. Do not stain or damage the roller surface.
- Do not touch your hand to the thermal head (located behind the cutter).
- The thermal head is heated to high temperature.
- Do not touch the cutter blade.
- Do not switch the lever to the "PRINT" position without loading paper.

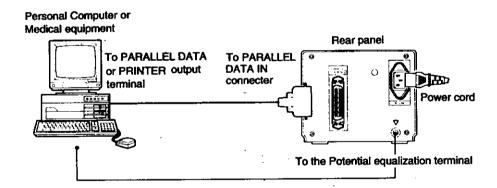
EXAMPLE OF CONNECTION

Connectable to various equipments with parallel data interface such as medical equipment and personal computer.

Connection

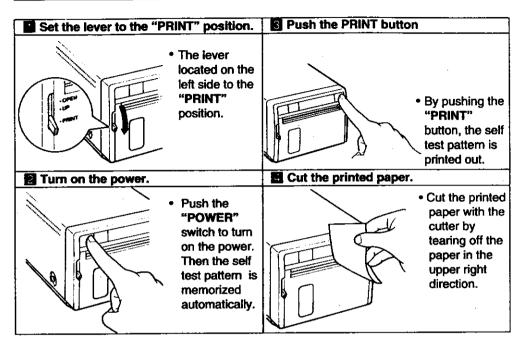
5

- ① Turn off the power switches of the Video copy processor and the connected equipment.
- Connect the PARALLEL DATA IN terminal of the video copy processor with the PARALLEL DATA or PRINTER terminal of the connected equipment.



When connecting with a medical equipment, use the equipotential grounding cable for safety. (Refer to page 6.)

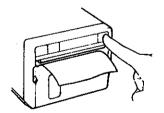
6 SELF TEST PRINTING



■ When printing ends, switch the lever to the "UP" position.

Copy Printing

■ By pressing the "PRINT" button you can copy the same picture as many times you desire until the new image data can be memorized by parallel data interface ESC S(2).



Precautions on Printing

- If printing is continued with a very black picture, the printer may become over heated, causing failure of normal printing.("EH" is indicated, and the print density becomes thin.)
- In this case, wait for a while until the unit is cooled down.
 Avoid pulling out or holding the recording paper during printing or copying. It can cause paper jam. Do not touch the paper until printing of copying ends.

7 ERROR DISPLAY

When an error in operation occurs it is warned by an audible alarm and a visible error display in the indicator.

Cause/Error display	Symptom/ Remedy
① Dew	 [Symptom] When dew is condensed in the set, it is warned by a alarm tone. When dew is condensed in the set with the lever at the "PRINT" position, it is warned by a continuous alarm tone. Printing is impossible.
2 م	[Remedy]
	Take out the recording paper contaminated with dew and ventilate the set. When the set is restored and ready for printing, ""; is displayed in the indicator. Use of dew contaminated paper cause a defect. Replace the paper with a brand-new roll.

Cause/Error display	Symptom/ Remedy
② No paper	[Symptom]
EP	 When the paper runs out or the door opens during printing, printing becomes impossible and alarm tone is given. When the lever is at the "PRINT" position at this time, an alarm tone is repeated.
[[Remedy]
	Install a brand-new paper according to "4.INSTALLATION OF PAPER" on page 7.

Cause/Error display	Symptom/ Remedy		
3 Overheat	[Symptom] • When the print button is pressed with the head over-heated, an alarm tone is given and "EH" is displayed for 2 seconds in the indicator and then, printing occurs. In this case, the print density is thin.		
,	[Remedy] Wait until the head is cooled down.		

Cause/Error display	Symptom/ Remedy
Head left down	[Symptom]
<u> </u>	 When the print button is not pressed for over 30 minutes with the lever set to the "PRINT" position, an alarm tone is given once. "Eu" is displayed in the indicator, and the buttons, except for the print button become invalid. If the set is left in this state, an alarm tone is given every 30 minutes and the paper is automatically fed about 0.5 mm, to prevent roller damage.
	[Remedy]
	When the unit is not used, set the lever located on the left side to the UP position. If it is left at the "PRINT" position, the head is left contact with the rubber roller damaging the roller or causing uneven printing.

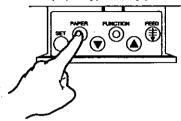
Cause/Error display	Symptom/ Remedy
5 Lever operation	[Symptom]
EL	 Printing is impossible simply by pressing the "PRINT" button without setting the lever to the "PRINT" position. When the lever is moved during printing, printing is interrupted. "EL" is displayed for one second in the indicator, and the set goes into the stand by state.
	[Remedy]
	Re-set the lever to the "PRINT" position, and repeat printing.

Cause/Error display	Symptom/ Remedy		
© Button input error	• An alarm tone is given once in the following cases. "Eb" is displayed for one second in the indicator, and this button opetation is nullified.		
60	The function value change button "\(\bigai\)" or "\(\bigcirc\)" is pressed exceeding the value during adjustment of density or copy number.		
,			

8 SETTING OF PAPER TYPE

Set the paper type as follows to suit the recording paper.

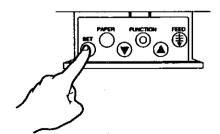
• Select the paper type as by pressing the PAPER button .



Each time the PAPER button is pressed, the appropriate paper type is switched as shown below.

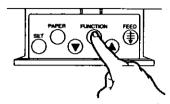


2 When the paper type is selected, press the **SET** button.

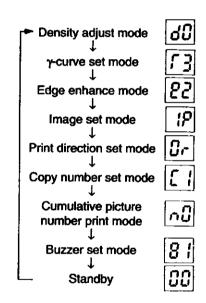


9 SETTING OF FUNCTION MODE

• Select a function mode by pressing the FUNCTION button.

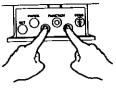


Each time the FUNCTION button is pressed, the mode is switched as shown below.

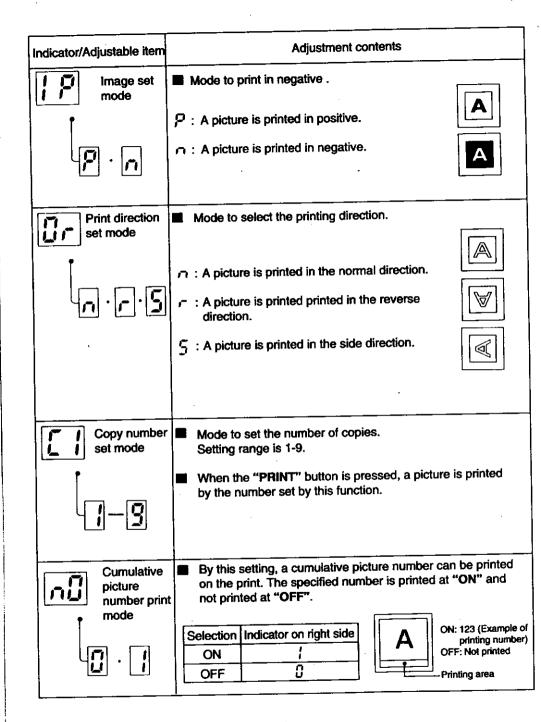


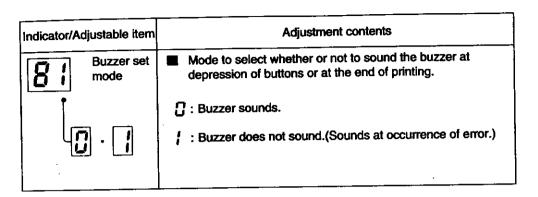
② Adjust a numeric value by pressing "♠" or "♥" of the function value change button.

Adjustable items of each FUNCTION mode are as follows.

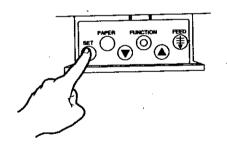


Indicator/Adjustable item	Adjustment contents
Density adjust	■ Mode to adjust the printed picture density. Density is thin with a smaller set number, and thick with a larger number. Setting range is -9 to +9.
Adjust range	larger humbon. Costang tanger
-9 - 9 -9 - 9	
"•" indicates "-" (minus).	
γ-curve set mode	Mode to select the γ-curve (density gradation characteristic) to provide an optimum print to meet the connected unit: Select from four types to meet a printing picture. Select γ-curve "4" for video equipment. Select γ-curve "1"-"3" for ultrasonic diagnosis equipment. Especially "3" is suggested.
Edge enhance mode	
	Setting range is 0-4. As the set value is larger, the enhancement effect is greater.





❸ When adjustment of function mode is accomplished press the "SET" button.

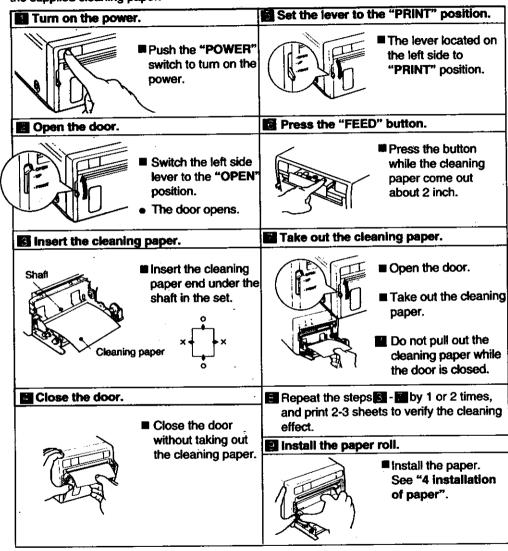


10 STATUS AND MODES

LED display		Contents of right side
Left	Point and right	LED display
		Power off
8	G	
O	0	
-	-	Print state
ď	.9-9	Print density index
:	₽,∩	Positive / Negative
ß	6,0,5	Reverse / Normal / Side
P	X, 5	HD paper / Super paper
5	1-4	γ-curve No.
8	8-4	Edge enhance index
8	8.1	Out / In (OFF / ON)
Ε	1-3	Copy number
n	0, 1	Out / In (OFF / ON)
٤	X. d P. U b. L	Overheat / Dew No paper / Head down Button input error / Lever operation error
	C) 0 - d : C) P [2 8 C]	Left Point and right C C C C C C C C C C C C C C C C C C C

11 USE OF CLEANING PAPER

When the thermal head is dirty with dust and perspiration, etc., white spots or stripes may appear on the print. In this case, clean the thermal head in the following procedure by using the supplied cleaning paper.



CAUTION

- Using the cleaning paper too many times may affect the thermal head. Once after printing 10 roles of paper is a standard period of using the cleaning paper.
- If the symptom of the dirty head is not corrected even after cleaning, your set needs repairing.
 Contact your dealer.
- . Do not pull out the sheet and the cleaning paper while the door is closed.
- . Never use other cleaning papers. It may cause damage to the thermal head.

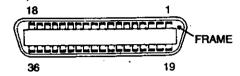
2 SPECIFICATIONS FOR PARALLEL DATA INTERFACE

1 PARALLEL DATA SIGNAL

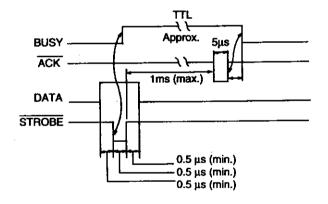
(According to CENTRONICS® Interface)

1) • Input Level: TTL

• Connector : JD-36SL or equivalent



2 PARALLEL INTERFACE



STANDARD PARALLEL INTERFACE

a) Input Connector
Plug 57-30360(AMPHENOL Equivalent)

Pin No.	Pin No. Return Side	Signal	Signal Source	Function
0	19	STROBE	Computer	Strobe pulse for the data reading. Pulse width: over 0.5µs Normal: "High" Data Reading: "Low"
0	20	DATA 1	Computer	
	21	DATA 2	Computer	Each signal indicates the information
⑥ ❷	22	DATA 3	Computer	of the parallel data from 1 bit till 8 bit
6	23	DATA 4	Computer	High- Data :1
Ö	24	DATA 5	Computer	Low- Data :0
ő	25	DATA 6	Computer	
ě	26	DATA 7	Computer	
9	27	DATA 8	Computer	
•	28	ACK	Video Copy Processor	Low Indicates that the printer received the data and is ready to receive the next data.
•	29	BUSY	Video Copy Processor	High signifies that the Video Copy Processor can not accept the data. Low indicates that the Video Copy Processor can accept the data. In the next case, this signal will be changed to High. 1 While the data is entered. 2 While printing is on. 3 While paper is being fed. 4 PE is "HIGH" condition. 5 While ERROR is "LOW" condition.
10	 	P•E	Video Copy Processor	Paper supply LOW: available HIGH: Not available
●		SELECT	Video Copy Processor	While the Video Copy Processor is power on, this signal is "High"
⊕~ €		NC		Unused
Ø~0		GND	-	GND
a		NC		Unused
©~ €	. 	GND		GND level signal for Twist Pair Return
6		NC	<u> </u>	Unused
•		ERROR	Video Copy Processor	"LOW": when the Video Copy Processor is at "ERROR" due to the following 1> No-paper conditions 2> Off-line conditions 3> Over-heat or humidity accumulation on the Thermal-He
. 6	+	GND		GND level signal for Twist Pair Return
@ ~ 6		NC NC	 	Unused

13 MULTI-USE CONTROL CODES

Control Code

	Code Name	Code	Function
0	BEL	<07>H	Buzzer for 1 second
0	ESC Y	<1B>H<59>H	Сору
6	ESC E	<1B>H<45>H	Feed
Ð	ESC N	<1B>H<4E>H	Comment printing on/off
6	ESC B	<1B>H<42>H	Buzzer on/off
6	ESC C(m)	<1B>H<43>H <m>H</m>	Print set
0	ESC S (2)	<1B>H<53>H <02>H <l1>H<l2>H <size> H <data1>H<data2> H </data2></data1></size></l2></l1>	64-gradation parallel data fixed mode
6	ESC F	<1B>H<46>H<03>H <00>H <n>H<data1>H <data2></data2></data1></n>	Comment letters set

DESCRIPTION OF MULTI-USE CONTROLCODES

• BEL

1. Name: Bell

2. Code: <07> H

3. Function: With the BEL code entered, the buzzer sounds for 1 second.

ESC Y

1. Name: Copy

2. Code: <1B>H<59>H

3. Function: A printed screen is copied.

● ESC E

1. Name: Feed

2. Code: <1B>H<45>H

3. Function: With the ESC E code entered, the paper is fed about 25mm.

ESC N

1. Name: Comment 2. Code: <1B>H<4E>H

3. Function: With the ESC N code entered, ON/OFF of comment is switched.

SESC B

1. Name: Buzzer

2. Code: <1B>H<42>H

3. Function: With the ESC B code entered, ON/OFF of buzzer sound before

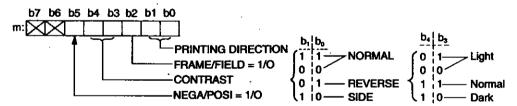
and after PRINT is switched.

G ESC C(m)

1. Name: Print set

2. Code: <1B>H<43>H <m>H

3. Function:



@ ESC S (2)

1. Name: 64-gradation parallel data fixed mode.

2. Code: <1B> H<53>H<02> H<L1>H<L2> H<SIZE>H

<DATA1> H<DATA2><DATAn>H

3. Function: With the ESC S (2) code entered, the 64-gradation parallel

data fixed mode is executed.

The number of picture elements per horizontal line is fixed at 640 dots. The number of transferred lines can be specified with <L1>, <L2>, and the vertical print size can be specified with <SIZE>. With the subsequent

<DATA>, the picture element data are sent.

Note 1) Max. 640 lines.

Note 2) When the specified range is filled with line, the data is printed out.

Note3) The order in transferring is



Note 4) Draw one line by one line from upper left to lower right.

.1 : The high order byte expressing the number of lines in hexadecimal.

L2 : The low order byte expressing the number of lines in hexadecimal.

SIZE : Set the vertical length (print-size) with one byte in hexadecimal

by mm.

The length range is minimum 0.08mm/line x the number of lines, maximum 0.2mm/line x the number of lines.

Note 5) The color turns gradually from black to white as <00>H advances to <3F>H.

Note 6) One dot is expressed by 6 bits.

Composing the data

The high order 6 bits of data are valid and the low order 2 bits are invalid as shown below.

LSB

LSB

MSB

D5	D4	D3	D2	D1	D0	x	×	
----	----	----	----	----	----	---	---	--

When the data is 8, for example:
 MSB

_ ^		4	_	^			
v	ן ט	1	U	U	U	X	X

The set data is <20>H.

Sample program of parallel data fixed writing mode

'******ESC S(2) PROGRAM******

PO=&H3BC :'DATA OUT PORT ADDRESS

*Note:PO=&H278 or & H378 or & H3BC

40 P1=PO+1 :'BUSY IN PORT ADDRESS

50 P2=PO+2 :'STROBE OUT PORT ADDRESS

60 GOSUB *CODEOUT

:'ESC F 2 0 CONTROL CODE OUT

70 WORK=0

80 FOR L=1 TO 16 :'BLOCK COUNT

90 GOSUB *BLOCK :'1 BLOCK DATA SEND

100 WORK = WORK+ 8 :'GRAY LEVEL CODE INCREASE

110 NEXT L

120 END

130 *BLOCK

140 FOR X=1 TO 5 :'1 BLOCK = 5 LINES 150 FOR Y=1 TO 640 :'1 LINES = 640 DOTS

160 GOSUB *CENTRO

:'1 DOT DATA SEND

170 NEXT Y

180 NEXT X

190 RETURN

200 *CODEOUT

210 FOR COD= 1 TO 6

220 READ COD\$:WORK = VAL("&H"+COD\$)

230 GOSUB *CENTRO

240 NEXT COD

250 RETURN

260 *CENTRO

270 IF (INP(P1)AND &H80) = &H0 THEN 270: BUSY WAIT

280 OUT PO, WORK

:'DATA OUT

290 OUT P2, &HF

:'STROBE LOW OUT

300 OUT P2, &HE

:'STROBE HIGH OUT

310 RETURN

320 '***** Control Code Data Table *****

330 DATA "1B", "53", "02"

:'ESC S 2 -

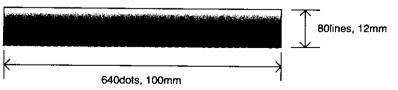
340 DATA "00", "50"

:'80 LINES

350 DATA "0C"

:'12 mm SIZE

Printing result is 16 gray levels image as below.



© ESC F

1. Name: Comment letters set

2. Code:

<1B>H<46>H<03>H<00>H<N>H<DATA1>H<DATA2>H......<DATAn>H

3. Function: Set the number of letters and the character codes of letters. the number of letters expressed in hexadecimal

DATA 1: The character code of 1st letter DATA 2: The character code of 2nd letter DATA n: The character code of n-th letter

(n: the number of letters expressed in decimal, 62 maximum)

CHARACTER CODES

E		UPPER 4 BIT														
LOWER 4	FUNCTION			CHARACTERS												
<u>§</u>	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	Е	F
0				0	Ø	Р	,	р								
1			!	1	Α	0	а	q		ļ —						\dagger
2				2	В	R	b	r	_							
3		Ш	#	3	С	s	С	s						-		
4			\$	4	D	T	d	t								
5			%	5	E	U	е	u								
6			&	6	F	V	f	v								
7	BEL		<u> </u>	7	G	W	g	w								
8			(8	Н	х	h	х							_	
9)	9	1	4	i	у								
Α			*	:	j	z	j	z								
В		ESC	+	;	κ	[k	{	\exists					f		
С				<	L	1	ī	:		7			T			$\overline{}$
D			-	=	М	1	m	}		\neg		\exists				一
Ε				>	Ν	^	n	~				7				\dashv
F			/	?	0	_	0							\dashv		\neg

A blank or function code is regarded as a space for data of letters.

14 MAINTENANCE

Turn off the power for maintenance.

Maintenance of Main Unit

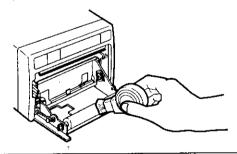
Wipe off stains of the front panel with a soft cloth.

When the panel is heavily stained, wipe off with the cloth moistened with neutral cleanser diluted by water and finish with a dry cloth.

Maintenance of Rubber Roller

When the rubber roller is dirty with dust, etc. a blank spot may appear on the print.

In this case, eliminate the dust on to the rubber roller with a blower or a brush.



Cleaning of Thermal Head

When the thermal head is dirty with dust, etc., white spots of stripes may appear on the print.

In this case, clean the thermal head according to "11. USE OF CLEANING PAPER".

15 SPECIFICATIONS

Type:

Video Copy Processor

Model:

P66DE

Power supply:

220-240V AC 50Hz

Power consumption:

1.0A

Connection terminals:

Parallel data interface (36 PIN connector)

Resolution:

Horizontal 640 dots x Vertical 640 lines (max.)

Gradation:

64 gradations

Printing speed:

10m sec/line

Print size:

Horizontal 100mm x Vertical 40~110mm (at 512 lines)

Operating conditions:

Temperature 5-40°C

Humidity

20-80% RH (No dewing)

Outside dimensions:

154(W) x 125 (H) x 314 (D) mm

Weight:

3.9 kg

Standard accesories:

Optional accessory:

Thermal paper K65HM(High Density)

K61S(Standard)

K61B(Standard, Blue)

CALLING FOR SERVICE

Before requesting service please review this operation manual to correct minor complaints. If you are unable to correct the problem, consult your MITSUBISHI Dealer or MITSUBISHI Service Department.

DO NOT ADJUST ANY CONTROLS NOT DESCRIBED IN THIS OPERATION MANUAL. DO NOT REMOVE THE PROTECTIVE ENCLOSURE OF THIS UNIT.