

EUNHA TERMINAL

(EHT6x)

USER Manual



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1. Composition

1-1. COMPUTER : IBM Compatible

RS232 Port more than 1
3.5 Inch floppy disk driver
HDD 40Mb something wrong

1-2. ACS-8 Unit(Auto Channel Selector)

ACS-8 Unit (Basis 4 channel)
(Max connection channel : 8Ch)
(AC 90 - 220V 50/60Hz)

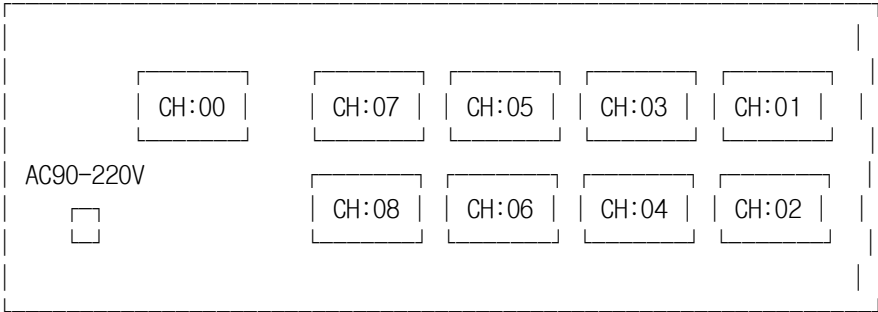
CABLE(CA0)	1EA
CABLE(CA1-8)	According to equipment kind, quantity change.

1-3. SOFT WARE (** Option by use kinds of machine)

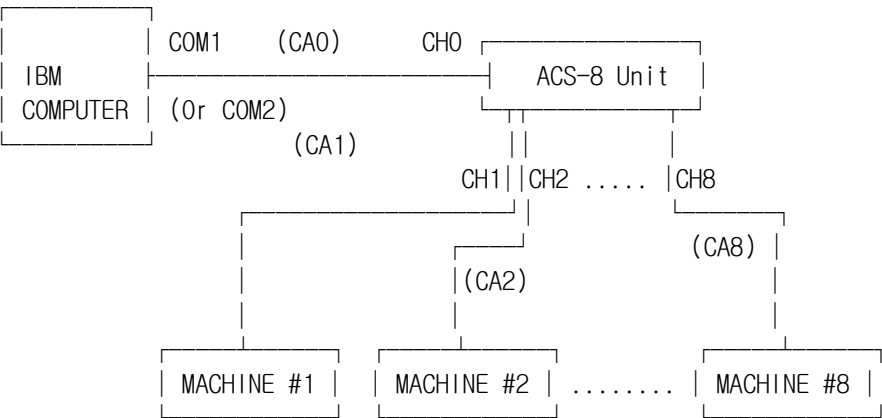
* EHT	: Eunha Terminal MAIN Software
** T_USM	: Dyna/Pert (SEQUENCER, VCD, DIP)
** T_BP	: Board-Pecker (M-10)
** T_PNR	: Panasert (RS232 Port)
** T_PNC	: Panasert (TTY Port)
** T_VC5	: Avisert (VC-5)
** T_VC4	: Avisert (VC-4)
** T_VC5A	: Avisert (VC-5A, VC-5B)
** T_UIC	: Universal

2. Setup

2-1. ACS-8 Unit channel number



2-2. Cable joint drawing



Version can use serial Port COM2 of PC since EHT Ver3.3, and Program recognizes moving in moving.

3. Operation

- 1) country of automatic movement channel turning point turn on .
- 2) COMPUTER country turn on .
- 3) Eunha Terminal Software execute .

- MAIN Screen

```
Intercommunication  File management  Utility  Setup
Intercommunication
Up loading          *****
Down loading        *****
EXE Down loading    *****
*****
***** EEEEEEEEEEE HHH HHH *****
***** EEE HHH HHH *****
***** EEE HHH HHH *****
***** EEE HHH HHH *****
***** EEEEEEE HHHHHHHHHHHH *****
***** EEE HHH HHH *****
***** EEE HHH HHH *****
***** EEEE HHH HHH *****
***** EEEEEEEEEEE HHH HHH *****
*****
*****
*****
***** SERIAL : 00000
***** Eun Ha Terminal Ver 6.3
***** Tel 031-455-6926
***** FAX 031-455-6925
***** E-mail eunhaelc@kornet.net
Channel:01 Dyna/Per t VCD#1
```

- 4) on screen Terminal MAIN MENU appear and following contents are marked in screen center.

```
Incorrect ACS serial
Current ACS serial is 00000
```

- Come COMPUTER and is state that ACS-8 Unit CABLE unconnects, or state that ACS-8 Unit is not, therefore correctly connection or ACS-8 Unit after setup Eunha Terminal Software again execute .

```
Incorrect ACS serial
Current ACS serial is 225E1
```

- Eunha Terminal Software Serial number and ACS-8 Unit Serial number do not conform. Find product that Eunha Terminal Software and ACS-8 Unit Serial number conform and execute again Eunha Terminal Software after setup.

4. Function of each Menu

4-1. Intercommunication

- * Intercommunication : Behave equipment and communication of appointed channel.
- * Up load : Receive data from equipment of appointed channel and store to DISK.
- * Down load : Send data that designate to channel designated.
- * EXE Down load : Transmit System Data of equipment to appointed channel.

4-2. File management

- * File List : Show file catalog of disk that designate.
- * File Editor : Print file that designate creation/adjustment.
- * File Delete : Delete file that designate.
- * File Rename : Change file name that designate.
- * File Copy : Copy to other disk that specify file that designate.
- * File CMD Edit : Comment of file that designate addition or correct.
- * Disk Format : Floppy disk for data storage Formating.

4-3. Utility

- * DOS Shell : Convert by moment DOS Mode without ending Terminal Program and permit use of DOS instruction.
- * Quit : End Terminal Program and return in DOS state.

4-4. Set up

- * Set Channel Path Name : Designate Path cotton cloth to be used in each channel.
- * Set ACS port data : Designate communication condition etc.. of coupled equipment of each channel.

*** CAUTION ***

- * Country of channel turning point of action ON/OFF prohibition .
(that noise can be transmited to connected equipment)
- * Beep that sound flies of work is that take precautions.

5. Function direction

5-1. Intercommunication Menu

5-1-1. Intercommunication

; Connect with equipment do equipment SET UP or information etc.. communication .

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut (ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.
- Is linked with equipment that dissolve Intercommunication if click Enter Key after selection using ↑ ↓ direction Key.
- Work completion or if input ESC KEY if return by MAIN MENU during by Main menu return.
(MACHINE TYPE inputs TTY, OTHER two faces ALT-X KEY.)

(Remark) Board/Pecker M10 and so on some kind of equipment Intercommunication Mode support.

5-1-2. Up load

;To COMPUTER DISK receiving data from equipment or TTY, other COMPUTER etc.
DATA storage .

(Remark) by machine separate way "Use description" attached reference

5-1-3. Down load

;Send DATA in COMPUTER DISK in equipment or PTP, TTY etc.

(Remark) by machine separate way "Use description" attached reference

5-1-4. EXE Down load

;Send SYSTEM DATA of equipment in COMPUTER DISK to equipment.

(Remark) by machine separate way "Use description" attached reference
(Is used specification equipment)

5-1-5. "F10" Function Key (Time Delay)

;Send-receive motive does not fit when communicate with equipment and communication Error adjusts Time Delay's value in occurrence.

(Remark) Dyna Pert and Board Pecker kinds of machine are not applied.

If input "F10" Function Key in Intercommunication Mode, Up Load Mode, Down Load Mode state, "Time Delay : 05" becomes indication on screen.

Value(0 ~ 99) that want in amendment if input enter Key after input modify .

(Input by Keunsuchi than present value in communication Error occurrence and look for value that ERROR is not happened.

Value great, transmission speed becomes slow.)

Below item of case of Panasert RS232 communication kinds of machine(RHU, RH6..) is marked in addition.

Whenever "ETX Code : CR" inputs enter Key by character end Code, "CR" and "^C" are repeated.

"Use PgName : N" => Program Name "Y" "N"

"Use ChkSum : N" => Checksum "Y" "N"

(Remark) Set in setting of Panasert equipment and change value.

5-2. File Management

5-2-1. File List

;Show PROGRAM catalog had kept to DISK.

- Move by File management from MAIN MENU to ← → direction KEY.
- Is marked as follows on lower column on screen if input Enter Key after transfer by File List by ↑ ↓ direction KEY.

File List					
C:\WDATAW*. *					
.W					
..W					
VCDW	0	000223	09:49		
PANAW	0	000223	09:49		
AVIW	0	000223	09:49		
B.SEQ	2674	010515	12:27	50	SEQUENCER PROGRAM
CHECK.PAN	1032	010519	20:12	21	CHECK PCB
FILL1.VCD	14335	011101	14:20	110	FILL MAIN BOARD
TEST123.AVI	5954	020711	11:50	85	TEST AVISERT NC DATA
				12 File(s)	3383296 Bytes Free

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " current pathname of justly high position file catalog mean.
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean.
- Move by file catalog that can move, and is marked on screen lower column if input direct file catalog by KEY and designate if input Enter Key designating file catalog by direction KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "VCD" and work with "*.VCD" instead "*. *" when see particular extension.
- Return by MAIN MENU if hit ESC KEY.

5-2-2. File Editor

:Do adjustment of existed file, creation of file, print of file contents.

- Move by File management from MAIN MENU to ← → direction KEY.
- Is marked as follows on screen lower column if input **Enter** Key after transfer by File Editor by ↑ ↓ direction KEY.

```

Select Edit File
C:WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free
```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " current pathname of justly high position file catalog mean. Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .
- Move by file catalog that can move, and is marked on screen lower column if input direction file catalog by KEY and designate if input Enter Key designating file catalog by direction KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "VCD" and work with "*.VCD" instead "*.*" when see particular extension.
- Designate the name of file and input **Enter** Key.
- Is converted in Edit screen and contents of file that designate appear on screen.
- Set to M/C Data Format and do amendment. (MSDOS EDIT.HLP reference)
- If work clicks **Alt-F** of completion or work and hit "**S**" KEY, contents that modify are kept to DISK.
- Is printed if click **Alt-F** and click "**P**" KEY and input **Enter** Key when want print.
- Finish Edit and hit **Alt-F** when return by Terminal and input "**X**" KEY.

5-2-3. File Delete

; Delete FILE kept to DISK.

- Move by File management from MAIN MENU to ← → direction KEY.

- Is marked as follows on screen lower column if input Enter Key after transfer by File Delete by ↑ ↓ direction KEY.

Select Delete File				
C:\WDATA*.*				
.W				
..W				
VCDW	0	000223	09:49	
PANAW	0	000223	09:49	
AVIW	0	000223	09:49	
B.SEQ	2674	010515	12:27	50 SEQUENCER PROGRAM
CHECK.PAN	1032	010519	20:12	21 CHECK PCB
FILL1.VCD	14335	011101	14:20	110 FILL MAIN BOARD
TEST123.AVI	5954	020711	11:50	85 TEST AVISERT NC DATA
Input file path or selecting.		12 File(s)	3383296 Bytes Free	

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " current pathname of justly high position file catalog mean. Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .

- Move by file catalog that can move, and is marked on screen lower column if input direction file catalog by KEY and designate if input Enter Key designating file catalog by direction KEY.

- Show file list that correspond to ashes pathname designated if designate file catalog.

- Can input and select File that extension is as "VCD" and work with "*.VCD" instead "*.*" when see particular extension.

- If specify file to delete by direction Key and input Space Key, selected file changes red color.

Can select several file by same method.

- Click DELE Key after finish selection.

- "3file(s) Delete (Y/N) : Y" is marked on screen on screen lower column.

Enter Key or "Y" if click enter Key after input selected file delete become .

ESC Key or "N" if click enter Key after input delete of selected file cancel and return in file selection screen.

- Input ESC Key that is return by Main menu.

5-2-4. File Rename

; Amend FILE order kept to DISK.

- Move by File management from MAIN MENU to ← → direction KEY.
- Is marked as follows on screen lower column if input Enter Key after transfer by File Rename by ↑ ↓ direction KEY.

Select Rename File				
C:WDATAW*.*				
.W				
..W				
VCDW	0	000223	09:49	
PANAW	0	000223	09:49	
AVIW	0	000223	09:49	
B.SEQ	2674	010515	12:27	50 SEQUENCER PROGRAM
CHECK.PAN	1032	010519	20:12	21 CHECK PCB
FILL1.VCD	14335	011101	14:20	110 FILL MAIN BOARD
TEST123.AVI	5954	020711	11:50	85 TEST AVISERT NC DATA
Input file path or selecting.				
		12 File(s)		3383296 Bytes Free

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " current pathname of justly upper file catalog mean .
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean.
- Move by file catalog that can move, and is marked on screen lower column if input direction file catalog by KEY and designate if input Enter Key designating file catalog by direction KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "VCD" and work with "*.VCD" instead "*.*" when see particular extension.
- Designate the name of file and input Enter Key.
- "Type New File Name : The name of file that select" becomes indication on screen lower column.
Do amendment in the name of file that want this time and input Enter key.
- When the name of file such as the modified name of file exists, "Permission denied" is marked and returns in file selection screen on screen lower column.
- Input ESC Key that is return by Main menu.

5-2-5. File Copy

; Copy FILE kept to DISK in Disk or the other name of file.

- Move by File management from MAIN MENU to ← → direction KEY.
- Is marked as follows on screen lower column if input Enter Key after transfer by File Copy by ↑ ↓ direction KEY.

```

Select Copy File
C:WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ        2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free
```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " current pathname of justly upper file catalog mean. Also, in name of file end " " if have stuck the file cotton cloth file catalog mean.
- Move by file catalog that can move, and is marked on screen lower column if input direction file catalog by KEY and designate if input Enter Key designating file catalog by direction KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "VCD" and work with "*.VCD" instead "*. *" when select particular extension.
- Designate the name of file and input Enter Key.
- "Type Target File Name C:WdataW The name of file that select" is marked on screen lower column.
Do amendment in the name of file that want this time and input Enter key.
- If copy is completed, "Copied source file to target file. C:WdataW the name of file copied" is marked and returns in file selection screen on screen lower column.
- When the name of file such as the name of file to be copied exists, "Select file over write ? (y/n)" is marked on screen lower column.
If input "Y" Key this time, "Copied source file to target file. C:WdataW the name of file copied" is marked and returns in file selection screen on screen lower column.
If input "N" Key, "Retype target file name. The name of file that select C:WdataW" is marked
and
do amendment in the other name of file this time and input Enter Key on screen lower column.
- Input ESC Key that is return by Main menu.

5-2-6. File CMT Edit

; Comment of file that designate addition or correct.

- Move by File management from MAIN MENU to ← → direction KEY.

- Is marked as follows on screen lower column if input Enter Key after transfer by File CMT Edit by ↑ ↓ direction KEY.

Select Edit info. files					
C:WDATAW*. *					
.W					
..W					
VCDW	0	000223	09:49		
PANAW	0	000223	09:49		
AVIW	0	000223	09:49		
B.SEQ	2674	010515	12:27	50	SEQUENCER PROGRAM
CHECK.PAN	1032	010519	20:12	21	CHECK PCB
FILL1.VCD	14335	011101	14:20	110	FILL MAIN BOARD
TEST123.AVI	5954	020711	11:50	85	TEST AVISERT NC DATA
Input file path or selecting.		12 File(s)		3383296 Bytes Free	

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " current pathname of justly upper file catalog mean. Also, in name of file end " " if have stuck the file cotton cloth file catalog mean.

- Move by file catalog that can move, and is marked on screen lower column if input direction file catalog by KEY and designate if input Enter Key designating file catalog by direction KEY.

- Show file list that correspond to ashes pathname designated if designate file catalog.

- Can input and select File that extension is as "VCD" and work with "*.VCD" instead "*. *" when select particular extension.

- Comment addition or the name of file to be fertilized choose and input enter Key. Comment can input peel situation 33 Column.

- "Type file comment : The name of file or current comment that select" becomes indication on screen lower column. Do amendment in comment that want this time and input enter key.

- Input ESC Key that is return by Main menu.

5-2-7. Disk Format

; Format new disk by data storage.

- Move by File management from MAIN MENU to ← → direction KEY.
- Is marked as follows on lower column on screen if input Enter Key after transfer by Disk format by ↑ ↓ direction KEY.

DRIVE A:
DISK 5.25" 2DD
FORMATING START

- Drive to do Format ← → direction KEY or Page UP, Page Down Key use and designate .

- * DRIVE A:
- * DRIVE B:

- OPTION by Disk kind ← → direction KEY or Page Up, Page Down Key use and designate .

- * 5.25" 2DD : 360 Kb
- * 5.25" 2HD : 1.2 Mb
- * 3.5" 2DD : 720 Kb
- * 3.5" 2HD : 1.4 Mb

- Contents that designate using ↑ ↓ direction KEY when do amendment again move by where is fertilized and is fertilized according to method that explain on .

- If input Enter Key moving by FORMATING START, Format work is begun.

* desire to refer DOS MANUAL in error.

* strangeness of screen returns after work completion in phenomenon that Format instruction occurs by DOS COMMAND use during format work.

5-3. Utility

5-3-1. DOS Shell

- ; Convert by moment DOS Mode without ending Terminal Program and permit use of DOS instruction.
- Move by Utility from MAIN MENU to ← → direction KEY.
- If input Enter Key after transfer by DOS Shell by ↑ ↓ direction KEY, screen deletes and is converted by DOS Mode.
- Before RAM resident program or size of use must not run big program and returns by Terminal Program by DOS Mode, it must end Program that use in DOS Mode necessarily.
- End DOS Mode and return by Main menu if input "EXIT" when return by Terminal Program.

5-3-2. Quit

- ; End Terminal Program and return in DOS state.
- Move by Utility from MAIN MENU to ← → direction KEY.
- End Terminal Program and return by DOS Mode if input Enter Key after transfer by Quit by ↑ ↓ direction KEY.

5-4. Set up

5-4-1. Set Channel Path Name

; Designate basis pathname to be used in each channel.

- Move by Setup from MAIN MENU to ← → direction KEY.
- Is marked as follows in screen center if input Enter Key after transfer by Set Channel Path Name by ↑ ↓ direction KEY.

SET Channel PATH NAME	
CH	DEFAULT PATH NAME
01	C:\WDATA\SEQ1W*.SEQ
02	C:\WDATA\SEQ2W*.SEQ
03	C:\WDATA\VCD1W*.VCD
04	C:\WDATA\VCD2W*.VCD
05	C:\WDATA\WANA1W*.PAN
06	C:\WDATA\WANA2W*.PAN
07	C:\WDATA\WAV11W*.AVI
08	C:\WDATA\WAV12W*.AVI

- Move to channel that want by ↑ ↓ direction KEY.
- Path cotton cloth to be used after input Enter Key input .
Path established here is begun in pathname that pathname before used is ignored and is established here when user selects File in Up Loading/Down Loading etc..
- When established Path does not exist to relevant DISK, it creates directory automatically.
- Keep modified DATA and return if input ESC Key that is return by Menu.

5-4-2. Set ACS port data

; Designate communication condition etc.. of coupled equipment to each channel.

- Move by Setup from MAIN MENU to ← → direction KEY.

- Is marked as follows in screen center if input **Enter** Key after transfer by Set ACS port data by ↑ ↓ direction KEY.

ACS PORT STATUS						
CH	DATA	STOP	PARITY	BOUD RATE	MODEL_NAME	MACHINE_NAME
01	8	2	NONE	04800	Dyna/per t	VCD-1
02	8	2	NONE	04800	Dyna/Per t	SEQ-1
03	7	1	EVEN	04800	VC5A/B	TDK-1
04	7	1	EVEN	04800	PANA/RS232	PANA-1
05	7	2	EVEN	00300	PANA/TTY	PANA-2
06	8	2	NONE	04800	VC5	TDK-2
07	7	1	NONE	04800	VC4	TDK-3
08	7	1	EVEN	02400	M10	BOARD/PACK

- Move to channel that want by ↑ ↓ direction Key.

- DATA BIT, STOP BIT, PARITY BIT, BOUD RATE reference relevant equipment manual.

- Use and correct ← → direction Key and **Page Up**, **Page Down** Key.

- Keep contents that modify inputing **ESC** KEY if amendment is completed and return by MENU.

- Equipment communication condition

M/C	DATA BIT	STOP BIT	PARITY	BOUD RATE
VCD & SEQUENCER	8	2	NONE	4800
Board/Pecker (M-10)	7	1	EVEN	2400
Panasert(RHU, RH6)	7	1	EVEN	4800
Panasert(RT, RH)	7	2	EVEN	300
Avisert(VC-4,VC-5)	7	2	NONE	4800
Avisert(VC-5A)	7	2	NONE	4800
Universal	8	1	NONE	9600

* amendment of communication condition listed on is available in each equipment itself case that setting is not been with preceding descriptions is.

- MODEL_NAME Setting

CURSOR in MODEL_NAME location of relevant channel and hit [**PgUp**]/[**PgDn**] Key, Model name moves CURSOR from field that want to MACHINE_NAME station and input comment by Key to change.

- Keep contents that modify inputing **ESC** KEY if amendment is completed and return by MENU.

6. Error indication and action

6-1. A: Drive status code is 08H

Press [ESC] to main menu.

Press [Enter] to drive check.

Other key to input new path name.

* When there is no DISK to DISK DRIVER that wish to use occurrence .

Reperuse Disk drive that is converted and put DISK and establish if input Enter Key by Main menu if input ESC Key.

Or, input file catalog as many as other Drive cotton cloth.

6-2. Path or file name not found(02H)

* When reporter a file catalog is not extant to DISK occurrence .

Re-Enter correct pathname and input Enter Key.

6-3. File not found.

* When file that designate is not extant to DISK occurrence .

The correct name of file again appointment .

7. System Disk Explanation

- 1) SYSTEM DISK offered with TERMINAL that see when deliver from a warehouse in this firm state installed to COMPUTER be, therefore normal times need not to use but following sudden situation uses in occurrence.
- 2) when change COMPUTER SET by other COMPUTER .
COMPUTER HDD catches to virus and when TERMINAL PROGRAM rehabilitation stored to HDD does impossibility.
When deleted TERMINAL PROGRAM by user mistake.
When any TERMINAL PROGRAM does not become execution.
- 3) preceding descriptions 2) such as when it is state use SYSTEM DISK and install TERMINAL PROGRAM .
Only, when got into infection to virus Computer from virus after treatment according to next method TERMINAL PROGRAM install .
- 4) SYSTEM DISK to "A:" DRIVER insert .
- 5) in "C : >" state "A:" by A DRIVER if click "Enter" KEY after input convert .
In "A : >" state "INSTALL" after input Enter Key click if TERMINAL PROGRAM C: installed to DRIVER.
- 6) Complete that state if is marked normally SETUP EUNHA TERMINAL SETUP completion Ave it on the screen top portion be .
- 7) if input "EHT" in "C : >" state TERMINAL PROGRAM execute .

* Supplement

* Program select "Ehps.EXE" explanation *

(1) Function : Register and number designate and do so that use selection several Programs.
Contents are executed to contents kept to EH_INI.DAT File.

(2) EH_INI.DAT structure

```

1 c:WehtWeht.exe      Eunha machine terminal
2 c:WehsWs_usma.exe   /v Dyna/pert program generator
3 c:WehsWs_pnr.exe    Panasert radial program generator
4 c:WehsWs_tdk.exe    /rx10 /ry10 TDK radial program generator
5 c:WehsWs_uicr.exe   UIC radial program generator
6 c:WehsWs_uica.exe   UIC axial program generator
7.
```

```

2 c:WehsWs_usma48.exe [/v] Eunha machine terminal V305
```

				└─ Explanation of relevant program
				(Week of : Since blank character first character number be)
				└─ Option parameter
				Omission possibility : "/ V" is Parameter that make out Dyna/pert
				SEQUENCER Verifier dragon Data here.
				"/ rx10" : When x direction Encoder pluse scours 10, it does by
				1/100mm.(Default is "/ rx2")
				└─ Pathname of relevant program.
				└─ Order

Preceding descriptions Format inputing amendment using DOS EDIT use .

* Dyna/pert VCD/SEQ Terminal use explanation *

1. Up Load

To COMPUTER DISK receiving data from equipment or TTY, other COMPUTER etc. DATA storage.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut (ALT Key + channel number to select (1 ~ 8)) by channel that want designate . RS232 port data and the name of equipment are marked on screen lower column.
- Using ↑ ↓ direction Key Up loading if click Enter Key after selection on screen as follows mark .

```

Select upload File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- " ." of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname. Also, in name of file end " " if have stuck the name of file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "VCD" and work with "*.VCD" instead "*. *" when see particular extension.
- Specify File life and input Enter Key.
- on screen lower column when File that designate exists already OVER WRITE ? (Y/N) this appears.
- "N" If input KEY, appointment is canceled and returns by Menu.
- "PROG:" is written on screen when use ROM of form that input several NC Program to Sequencer CPU Board and this time **Program No.** after input Enter Key input .

- If Press 'P' or 'T' appears on screen lower column, if want data type by Long type "P" KEY if want Sort type "T" KEY input .
Commerce Sequencer case inputs "T" Key.
- Store NC DATA that NC DATA is transmitted and is received from Sequencer or VCD to DISK in the name of file designated.
- Click READER **START** KEY at the risk of tape to READER and input **Enter** when read Punch Tape by PTR or TTY.
- If channel conversion device error indication appears on screen, try country of automatic movement channel turning point, cable state etc. ashes after it is rapidly.
- Return returns in Main screen if input **ESC** KEY by MAIN MENU at work completion.

2. Down Load

Send DATA in COMPUTER DISK in equipment or PTP, TTY etc.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.

- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .

RS232 port data and M/C name are marked on screen lower column.

- Using ↑ ↓ direction Key Down loading if click Enter Key after selection on screen as follows mark.

```

Select download File
C:\WDATAW*.*
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location,
and ".. " means upper file catalog of current pathname.

Also, if have stuck " " in name of file end, the file cotton cloth means file catalog.

- It becomes indication on screen lower column if can designate the name of file by direction KEY,
and input the direction name of file by KEY.

- Show file list that correspond to ashes pathname designated if designate file catalog.

- Can input and select File that extension is as "VCD" and work with "*.VCD" instead "*.*" when
see particular extension.

- Specify File life and input Enter Key.

- "PROG:" is written on screen when use ROM of form that input several NC Program to
Sequencer CPU Board and this time **Program No.** after input Enter Key input .

- "Check machine status." When Error happens, cause puts manufacturing PANEL MODE to
POSITION in VCD and input F1 KEY because cause happens when will try DOWN LOADING
in MANUAL MODE.

- When "**No program**" Error happens, if it inputs (when PROGRAM does not exist in machine in machine of VCD, SEQUENCER, DIP etc., if it tries UP LOADING, it is Error that it happens.) **ESC** KEY, it returns in Menu screen.
- Begin NC DATA transmission by Sequencer or VCD and if transmission is ended, it marks transmission completion message on screen lower column.
- to READER when transmit NC DATA by PTP or TTY PUNCH TAPE if input Enter at the risk of tape NC DATA by PUNCH TAPE display .
- By MAIN MENU at work completion return

3. DYNA/PERT SEQUENCER, VCD M/C SETUP

* communication with case EUNHA TERMINAL and M/C that setting of JUMPER of M/C CPU BOARD is mistaken is not been.

* according to M/C CPU BOARD kind, reference a below proof and establish JUMPER.

interior backup memory style CPU B'D

Outside backup memory style CPU B'D

CUR — 39
 RS232 ┌ 38 ----> RXD
 └ 37

┌ 26
 └ 25 ----> DSR

┌ 28
 └ 27 ----> CTS

┌ 30
 └ 29 ----> RTS

┌ 22
 └ 23 ----> TXD

RS232 ┌ 3
 └ 2
 CUR — 1

┌ 67
 └ 68 ----> DSR

┌ 65
 └ 64 ----> CTS

┌ 69
 └ 63 ----> RTS

4. Cable Connection

1) CABLE 1 (CA1)

(COMPUTER 9PIN, (*9PIN(-)))			(ACS-8 9PIN(+))	
(RX)	2 (*3) (YELLOW)	<-----		3
(TX)	3 (*2) (RED)	----->		2
(RTS)	4 (*7) (ORANGE)	----->		7
(CTS)	5 (*8) (WHITE)	<-----		8
(DSR)	6 (*6) (BLUE)	<-----		6
(GND)	7 (*5) (BLACK)	<-----		5
(DTR)	20 (*4) (GREEN)	----->		4

2) CABLE 2 (CA2) : Dyna/Pert SEQ, VCD, PTR/PTP, PC9801

(ACS-8 9PIN (-))			(MACHINE 25PIN(+), (*PTR/PC9801))	
(RX)	2 (RED)	<-----		3 (*2)
(TX)	3 (YELLOW)	----->		2 (*3)
(DTR)	4 (GREEN)	----->		20 (*6)
(GND)	5 (BLACK)	----->		7 (*7)
(DSR)	6 (BLUE)	<-----		6 (*20)
(RTS)	7 (ORANGE)	----->		4 (*5)
(CTS)	8 (WHITE)	<-----		5 (*4)

* Avisert VC4/VC5 Terminal use explanation *

1. Up Load

To COMPUTER DISK receiving data from equipment or TTY, other COMPUTER etc. DATA storage.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
RS232 port data and the name of equipment are marked on screen lower column.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
- Using ↑ ↓ direction Key Up loading if click Enter Key after selection on screen as follows mark .

```

Select upload File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- " ." of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " current pathname of justly high position file catalog mean .
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "AVI" and work with "*.AVI" instead "*. *" when see particular extension.
- Specify File life and input Enter Key.
- on screen lower column when File that designate exists already OVER WRITE ?
(Y/N) this appears.
- "N" If input KEY, appointment is canceled and returns by Menu.
- **WR program name** by be transmited and is designated that file name NC Data from if input Enter KEY after input Avisert to DISK store .
- If channel conversion device error indication appears on screen, try country of automatic movement channel turning point, cable state etc. ashes after it is rapidly.
- Return returns in Main screen if input ESC KEY by MAIN MENU at work completion.

2. Down Load

Send DATA in COMPUTER DISK in equipment or PTP, TTY etc.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key Down loading if click Enter Key after selection on screen as follows mark.

```

Select download File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ        2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname.
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "AVI" and work with "*.AVI" instead "*.*" when see particular extension.
- Specify File life and input Enter Key.
- Read file that designate **RE program name** if input Enter KEY after input and transmit by Avisert.
- * **Reference** in Avisert kinds of machine Program if input F10 key in Down Load state if input is not been to equipment of transmission and ERROR is happened on screen right side Delay Time mark .
If input bigger shame than shame marked this time although become slow, transmission speed can transmit perfectly Program.
- Return returns in Main screen if input ESC KEY by MAIN MENU at work completion.

3. System data Down Load

Send System DATA in COMPUTER DISK in equipment.

- * **Warning** : Reference "(2) Set ACS port data" in "5 . Function directions"
 "4) Set up mode of clause" necessarily before begin System Data Down Load work,
 do Setup as "**Data bit 8, Stop Bit 2, Parity Bit NONE, Boud rate 4800**" System
 Data Down Loading percentage number have .

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
 (ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
 RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key EXE Down loading if click **Enter** Key after selection on screen as follows mark.

```

Select download EXE File
C:\WDATAW*.*
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname.
 Also, in name of file end " " if have stuck the file cotton cloth file catalog mean.
- Become Display System DATA File on screen if input ***.SYS** in Key Board.
 * **Warning** : Avisert System Data name of file is as ".SYS".
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Designate and if input **Enter** Key System Data file that designate read and transmit by Avisert File cotton cloth.

***Reference** in Avisert kinds of machine Program if input **F10** key in Down Load state if input is not been to equipment of transmission and ERROR is happened on screen right side Delay Time mark .
 If input bigger shame than shame marked this time although become slow, transmission speed can transmit perfectly Program.

- Return returns in Main screen if input **ESC** KEY by MAIN MENU at work completion.

4. CABLE Connection

1) CABLE 1 (CA1)

(COMPUTER 9PIN,(*9PIN(-)))		(ACS-8 9PIN(+))
(RX) 2 (*3) (YELLOW)	<-----	3
(TX) 3 (*2) (RED)	----->	2
(RTS) 4 (*7) (ORANGE)	----->	7
(CTS) 5 (*8) (WHITE)	<-----	8
(DSR) 6 (*6) (BLUE)	<-----	6
(GND) 7 (*5) (BLACK)	<-----	5
(DTR) 20 (*4) (GREEN)	----->	4

2) CABLE 2 (CA2) : Avisert VC-4, VC-5

(ACS-8 9PIN(-))		(MACHINE 28PIN(+))
(IN) 2 (RED)	<-----	C (OUT)
(OUT) 3 (YELLOW)	----->	A (IN)
(DTR) 4 (GREEN)		
(GND) 5 (BLACK)	-----	B (GND)
		├ D (GND)
		├ F (GND)
		└ S (GND)
(DSR) 6 (BLUE)		
(BUSY) 7 (ORANGE)	----->	E (BUSY)
(READ) 8 (WHITE)	<-----	R (READ)

* Avisert VC5A/B Terminal use explanation *

1. Up Load

To COMPUTER DISK receiving data from equipment or TTY, other COMPUTER etc. DATA storage.

* Reference *

"SET UP" - of terminal operation program on "Set ACS port data" item correct setting be must.
(Data bit : 7, Stop bit : 1, Parity bit : NONE, Baud rate : 4800)

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.

- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.

- Using ↑ ↓ direction Key Up loading if click Enter Key after selection on screen as follows mark.

```

Select upload File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location,
and ".. " means upper file catalog of current pathname.

Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .

- Is marked on screen lower column if can designate the name of file by direction KEY, and input
the direction name of file by KEY.

- Show file list that correspond to ashes pathname designated if designate file catalog.

- Can input and select File that extension is as "AVI" and work with "*.AVI" instead "*. *" when
see particular extension.

- Specify File life and input Enter Key.

- on screen lower column when File that designate exists already OVER WRITE ?
(Y/N) this appears.

- "N" If input KEY, appointment is canceled and returns by Menu.
- Input NC Data transmission of a message instruction in Avisert.
- * [EXTEND] of operator control panel left side lower column of equipment if [F4] function this "PIP" of screen becomes repeatedly [F4] click and if function of [F2] is imposed "PUNCH", it clicks [F2].
- * on screen lower column > P Ave mark if "NC DATA cotton cloth to deliver", TT : [Enter]
ex) >P SAMPLE,TT:
- Store NC DATA that NC DATA is transmitted and is received from Avisert to DISK in the name of file designated.
- If channel conversion device error indication appears on screen, try country of automatic movement converter, cable state etc. ashes after it is rapidly.
- Return returns in Main screen if input **ESC** KEY by MAIN MENU at work completion.

2. Down Load

Send DATA in COMPUTER DISK in equipment or PTP, TTY etc.

* Reference *

It must be correct setting on "SET UP" – "Set ACS port data" clause of communication terminal operation program.

(Data bit : 7, Stop bit : 1, Parity bit : NONE, Baud rate : 4800)

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut (ALT Key + channel number to select (1 ~ 8)) by channel that want designate . RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key Down loading if click Enter Key after selection on screen as follows mark .

```

Select download File
C:\WDATAW*.*
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname. Also, in name of file end " " if have stuck the name of file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "AVI" and work with "*.AVI" instead "*.*" when see particular extension.
- Specify File life and input Enter Key.

- Input NC data reception instruction in Avisert.
 - * [EXTEND] of operator control panel left side lower column of equipment if [F4] function this "PIP" of screen becomes repeatedly [F4] click and if function of [F1] is imposed "READ", it clicks [F1].
 - * on screen lower column > R mark if TT : "NC Data cotton cloth inputed on machine" [Enter]
ex) >R TT: ,SAMPLE
- Begin transmission by Avisert reading appointed file in DISK and if transmission is ended, it marks transmission completion message on screen lower column.

***Reference** in Avisert kinds of machine Program if input **F10** key in Down Load state if input is not been to equipment of transmission and ERROR is happened on screen right side Delay Time mark .
If input bigger shame than shame marked this time although become slow, transmission speed can transmit perfectly Program.
- Return returns in Main screen if input **ESC** KEY by MAIN MENU at work completion.

3. AVISERT (VC-5A, VC-5B) M/C SETUP

- * during SYSTEM PARAMETER selecting "SYSTEM" in AVISERT operator control panel
1 times in "*** OPTIONAL PARAMETER BIT ***" Page BIT of item
Establish as "1 0 0 0 0 0 1".

4. CABLE Connection

1) CABLE 1 (CA1)

(COMPUTER 9PIN, (*9PIN(-)))			(ACS-8 9PIN(+))		
(RX)	2 (*3)	(YELLOW) <-----	3		
(TX)	3 (*2)	(RED) ----->	2		
(RTS)	4 (*7)	(ORANGE) ----->	7		
(CTS)	5 (*8)	(WHITE) <-----	8		
(DSR)	6 (*6)	(BLUE) <-----	6		
(GND)	7 (*5)	(BLACK) <-----	5		
(DTR)	20 (*4)	(GREEN) ----->	4		

2) CABLE 2 (CA2) : Avisert VC-5A, VC-5B

(ACS-8 9PIN(-))			(MACHINE 25PIN(+))		
(RX)	2 (RED)	<-----	2		
(TX)	3 (YELLOW)	----->	3		
(DTR)	4 (GREEN)				
				┌ 4	
				└ 5	
(GND)	5 (BLACK)	-----	7		
(DSR)	6 (BLUE)				
				┌ 6	
				└ 20	
(RTS)	7 (ORANGE)	----->	23 (DATA BUSY)		
(CTS)	8 (WHITE)	<----->	9 (READ START)		

* Panaset(RS232 port) use explanation *

1. Up Load

To COMPUTER DISK receiving data from equipment or TTY, other COMPUTER etc. DATA storage .

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key Up loading if click Enter Key after selection on screen as follows mark .

```

Select upload File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ        2674 010515 12:27  50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12  21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50  85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location,
and ".. " means upper file catalog of current pathname.
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input
the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "RH6" and work with "*.RH6" instead "*. *" when
see particular extension.
- Specify File life and input Enter Key.
- on screen lower column when File that designate exists already OVER WRITE ?
(Y/N) this appears.
- "N" If input KEY, appointment is canceled and returns by Menu.
- Input NC Data transmission of a message instruction in Avisert.
- Click READER START KEY at the risk of tape to READER and input Enter when read Punch
Tape by PTR or TTY.
- If channel conversion device error indication appears on screen, try country of automatic movement
converter, cable state etc. ashes after it is rapidly.
- Return returns in Main screen if input ESC KEY by MAIN MENU at work completion.

2. Down Load

Send DATA in COMPUTER DISK in equipment or PTP, TTY etc.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut (ALT Key + channel number to select (1 ~ 8)) by channel that want designate . RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key Down loading if click Enter Key after selection on screen as follows mark .

```

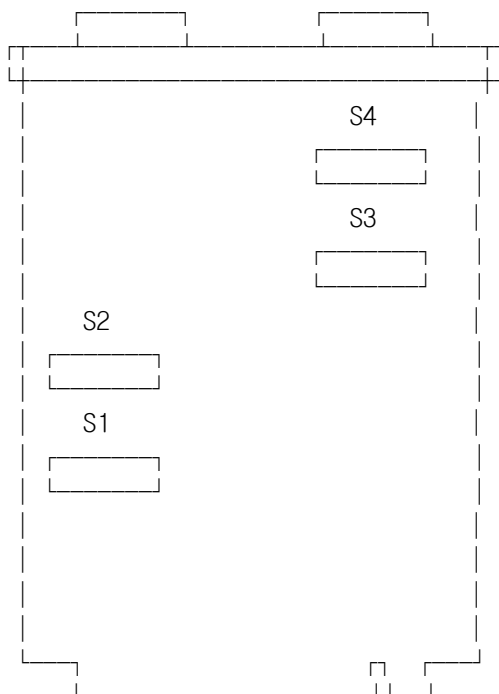
Select download File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW          0 000223 09:49
AVIW           0 000223 09:49
B.SEQ          2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN      1032 010519 20:12 21 CHECK PCB
FILL1.VCD      14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI    5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname. Also, in name of file end " " if have stuck the name of file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "RH6" and work with "*.RH6" instead "*. *" when see particular extension.
- Specify File life and input Enter Key.
- Begin transmission by Panaset reading appointed file in DISK and if transmission is ended, transmission completion message is marked on screen lower column.
- to READER when transmit NC DATA by PTP or TTY PUNCH TAPE if input Enter at the risk of tape NC DATA by PUNCH TAPE display .
- Return returns in Main screen if input ESC KEY by MAIN MENU at work completion.

3. PANASERT (RH6, RHU) M/C SETUP

* MONI21 CARD



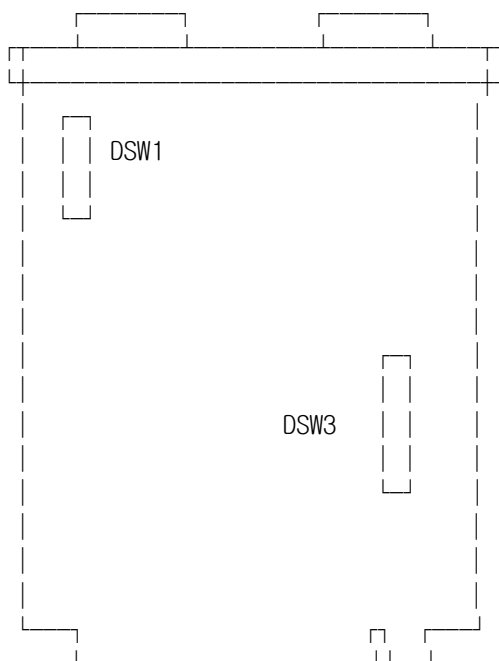
* S3 SWITCH SETUP

- 1 OFF
- 2 OFF
- 3 ON END CODE "CR" SET
- 4 OFF TIMEOUT TREATMENT "Yes"
- 5 OFF MT MOMENTALIZED "NO"
- 6 OFF REAL COMMAND "Yes"
- 7 ON CHECK SUM "NO" "
- 8 ON BREAK CHARACTER "NO"

* S1 SWITCH SETUP

- 1 OFF (9600) BAUD DESIGNATION
- 2 ON 4800 BAUD DESIGNATION
- 3 OFF 2400 BAUD DESIGNATION
- 4 OFF 1200 BAUD DESIGNATION
- 5 OFF 600 BAUD DESIGNATION
- 6 OFF 300 BAUD DESIGNATION

* MONI1 CARD



* DS3 SWITCH SETUP

- 1 OFF
- 2 OFF
- 3 ON END CODE "CR" SET
- 4 OFF TIMEOUT TREATMENT "Yes"
- 5 OFF MT MOMENTALIZED "NO"
- 6 OFF REAL COMMAND "Yes"
- 7 ON CHECK SUM "NO" "
- 8 ON BREAK CHARACTER "NO"

* DS1 SWITCH SETUP

- 1 OFF (9600) BAUD DESIGNATION
- 2 ON 4800 BAUD DESIGNATION
- 3 OFF 2400 BAUD DESIGNATION
- 4 OFF 1200 BAUD DESIGNATION
- 5 OFF 600 BAUD DESIGNATION
- 6 OFF 300 BAUD DESIGNATION

4. CABLE Connection

1) CABLE 1 (CA1)

(COMPUTER 9PIN,(*9PIN(-)))			(ACS-8 9PIN(+))		
(RX)	2 (*3)	(YELLOW) <-----	3		
(TX)	3 (*2)	(RED) ----->	2		
(RTS)	4 (*7)	(ORANGE) ----->	7		
(CTS)	5 (*8)	(WHITE) <-----	8		
(DSR)	6 (*6)	(BLUE) <-----	6		
(GND)	7 (*5)	(BLACK) <-----	5		
(DTR)	20 (*4)	(GREEN) ----->	4		

2) CABLE 2 (CA2) : Panaset RHU, RH6

(ACS-8 9PIN(-))			(MACHINE 25PIN(+))		
(RX)	2 (RED)	<-----	2		
(TX)	3 (YELLOW)	----->	3		
(DTR)	4 (GREEN)	----->	6		
(GND)	5 (BLACK)	-----	7		
(DSR)	6 (BLUE)	<-----	20		
(RTS)	7 (ORANGE)	----->	5		
(CTS)	8 (WHITE)	<----->	4		

* Panaset (TTY port) use explanation *

1. Up Load

To COMPUTER DISK receiving data from equipment or TTY, other COMPUTER etc. DATA storage .

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key Up loading if click Enter Key after selection on screen as follows mark .

```

Select upload File
C:WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ        2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname.
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "RH" and work with "*.RH" instead "*. *" when see particular extension.
- Specify File life and input Enter Key.
- on screen lower column when File that designate exists already OVER WRITE ?
(Y/N) this appears.
- "N" If input KEY, appointment is canceled and returns by Menu.
- Input NC Data transmission of a message instruction in Avisert.
- Click READER START KEY at the risk of tape to READER and input Enter when read Punch Tape by PTR or TTY.
- If channel conversion device error indication appears on screen, try country of automatic movement converter, cable state etc. ashes after it is rapidly.
- Return returns in Main screen if input ESC KEY by MAIN MENU at work completion.

2. Down Load

Send DATA in COMPUTER DISK in equipment or PTP, TTY etc.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut (ALT Key + channel number to select (1 ~ 8)) by channel that want designate . RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key Down loading if click Enter Key after selection on screen as follows mark .

```

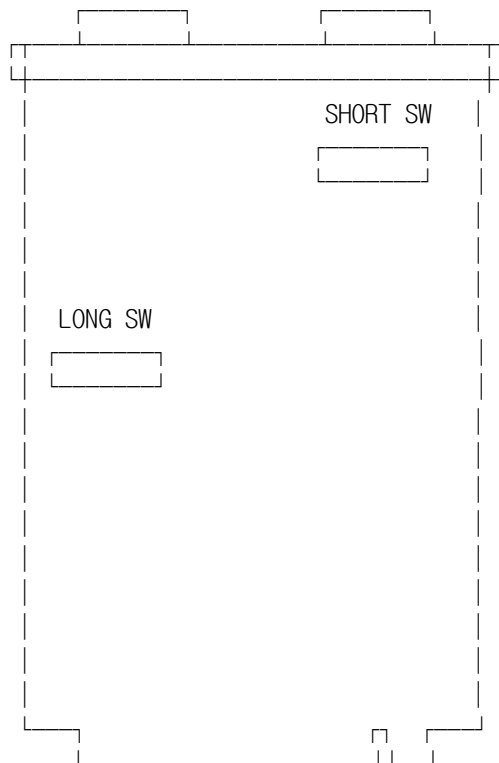
Select download File
C:\WDATAW*.*
.W
..W
VCDW          0 000223 09:49
PANAW          0 000223 09:49
AVIW           0 000223 09:49
B.SEQ          2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN      1032 010519 20:12 21 CHECK PCB
FILL1.VCD      14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI    5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname. Also, in name of file end " " if have stuck the name of file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "RH" and work with "*.RH" instead "*.*" when see particular extension.
- Specify File life and input Enter Key.
- Begin transmission by Panaset reading appointed file in DISK and if transmission is ended, transmission completion message is marked on screen lower column.
- to READER when transmit NC DATA by PTP or TTY PUNCH TAPE if input Enter at the risk of tape NC DATA by PUNCH TAPE display .
- Return returns in Main screen if input ESC KEY by MAIN MENU at work completion.

3. PANASERT (RT, RH) M/C SETUP

* OBC CARD



* SHORT SWITCH SETUP

- 1 ON
- 2 ON
- 3 ON
- 4 OFF
- 5 ON
- 6 OFF

* LONG SWITCH SETUP

- 1 OFF
- 2 ON
- 3 OFF
- 4 OFF
- 5 OFF
- 6 OFF

4. CABLE Connection

1) CABLE 1 (CA1)

(COMPUTER 9PIN,(*9PIN(-)))			(ACS-8 9PIN(+))		
(RX)	2 (*3)	(YELLOW) <-----	3		
(TX)	3 (*2)	(RED) ----->	2		
(RTS)	4 (*7)	(ORANGE) ----->	7		
(CTS)	5 (*8)	(WHITE) <-----	8		
(DSR)	6 (*6)	(BLUE) <-----	6		
(GND)	7 (*5)	(BLACK) <-----	5		
(DTR)	20 (*4)	(GREEN) ----->	4		

2) CABLE 2 (CA2) : Panaset RT, RH

(ACS-8 9PIN(-))			(MACHINE 10PIN(+))		
(IN)	2 (RED)	<-----	1 (OUT)		
(OUT)	3 (YELLOW)	----->	5 (IN)		
(GND)	4 (GREEN)	-----	8 (GND)		
(GND)	5 (BLACK)	-----	3 (GND)		
(GND)	6 (BLUE)	-----	2 (GND)		
(BUSY)	7 (ORANGE)	----->	6 (BUSY)		
(READ)	8 (WHITE)	<-----	7 (READ)		

* Citizen M10 Terminal use explanation *

1. Up Load

To COMPUTER DISK receiving data from equipment or TTY, other COMPUTER etc. DATA storage .

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key Up loading if click Enter Key after selection on screen as follows mark .

```

Select upload File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname.
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "BP" and work with "*.BP" instead "*. *" when see particular extension.
- Specify File life and input Enter Key.
- on screen lower column when File that designate exists already OVER WRITE ?
(Y/N) this appears.
- "N" If input KEY, appointment is canceled and returns by Menu.
- Input NC Data transmission of a message instruction in Avisert.
- By Terminal Board/Pecker E NC Data if transmit Program in the appointed name of file NC Data to DISK store .

(RESET - EDIT - P - 001 - Q - 696 - SEND-DATA START)

- Click READER START KEY at the risk of tape to READER and input Enter when read Punch Tape by PTR or TTY.
- If channel conversion device error indication appears on screen, try country of automatic movement converter, cable state etc. ashes after it is rapidly.
- Return returns in Main screen if input ESC KEY by MAIN MENU at work completion.

2. Down Load

Send DATA in COMPUTER DISK in equipment or PTP, TTY etc.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut (ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key Down loading if click Enter Key after selection on screen as follows mark .

```

Select download File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW          0 000223 09:49
AVIW           0 000223 09:49
B.SEQ          2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN      1032 010519 20:12 21 CHECK PCB
FILL1.VCD      14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI    5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname.
Also, in name of file end " " if have stuck the name of file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "BP" and work with "*.BP" instead ".*" when see particular extension.
- Specify File life and input Enter Key.
- Begin transmission by Panaset reading appointed file in DISK and if transmission is ended, transmission completion message is marked on screen lower column.
- Read file that designate in DISK if input NC Data reception instruction Boaed/Pecker and transmit by Board/Pecker.
(RESET - EDIT - P - 001 - "-" - 696 - RECV-DATA START)
- to READER when transmit NC DATA by PTP or TTY PUNCH TAPE if input Enter at the risk of tape NC DATA by PUNCH TAPE display .
- Return returns in Main screen if input ESC KEY by MAIN MENU at work completion.

3. CABLE Connection

1) CABLE 1 (CA1)

(COMPUTER 9PIN,(*9PIN(-)))			(ACS-8 9PIN(+))	
(RX)	2 (*3) (YELLOW)	<-----		3
(TX)	3 (*2) (RED)	----->		2
(RTS)	4 (*7) (ORANGE)	----->		7
(CTS)	5 (*8) (WHITE)	<-----		8
(DSR)	6 (*6) (BLUE)	<-----		6
(GND)	7 (*5) (BLACK)	<-----		5
(DTR)	20 (*4) (GREEN)	----->		4

2) CABLE 2 (CA2) : Board/Pecker-M10

(ACS-8 9PIN(-))			(MACHINE 25PIN(+))	
(RX)	2 (RED)	<-----		2
(TX)	3 (YELLOW)	----->		3
(DTR)	4 (GREEN)	----->		5
				6
(GND)	5 (BLACK)	-----		7
(DSR)	6 (BLUE)			
(RTS)	7 (ORANGE)			
				8
(CTS)	8 (WHITE)	<-----		20

* Universal Terminal use explanation *

1. Up Load

To COMPUTER DISK receiving data from equipment or TTY, other COMPUTER etc. DATA storage.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
RS232 port data and the name of equipment are marked on screen lower column.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
- Using ↑ ↓ direction Key Up loading if click Enter Key after selection on screen as follows mark.
File catalog had stored on lower part and equipment on screen is marked, and "* Select UICP
files name" becomes indication on screen lower column.

UICP NC names		
01	0121	K190-V
02	0030	N-OLD
03	0201	TEST
04	0056	M2001

- If designate File cotton cloth to have Up Load by direction KEY and input enter Key, "File Name.UIC
to do Up load had stored in equipment" is marked on lower column of window that screen such as
lower part is marked, and is marked.

Select upload File			
C:\WDATAW*.*			
.W			
..W			
VCDW	0	000223	09:49
PANAW	0	000223	09:49
AVIW	0	000223	09:49
B.SEQ	2674	010515	12:27 50 SEQUENCER PROGRAM
CHECK.PAN	1032	010519	20:12 21 CHECK PCB
FILL1.VCD	14335	011101	14:20 110 FILL MAIN BOARD
TEST123.AVI	5954	020711	11:50 85 TEST AVISERT NC DATA
Input file path or selecting.		12 File(s)	3383296 Bytes Free
K190-V.UIC			

- " ." of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog
location, and ".. " means upper file catalog of current pathname.
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .
- Is marked on screen lower column if can designate the name of file by direction KEY, and input
the direction name of file by KEY.

- Show file list that correspond to ashes pathname designated if designate file catalog.
- Can input and select File that extension is as "UIC" and work with "*.UIC" instead "*. *" when see particular extension.
- Input **Enter** Key when use appointed File cotton cloth according to that current, and input **Enter** Key after amendment by File life that want when use other File Name.
- on screen lower column when File that designate exists already OVER WRITE ?
(Y/N) this appears.
- "N" If input KEY, appointment is canceled and returns by Menu.
- NC DATA stores NC DATA to be transmited and is received to DISK in the name of file designated from UIC.
- File CMD(comment) becomes setting by File life that is storage in equipment.
- Click READER START KEY at the risk of tape to READER and input ENTER when read Punch Tape by PTR or TTY.
- If channel conversion device error indication appears on screen, try country of automatic movement channel turning point, cable state etc. ashes after it is rapidly.
- Return returns in Main screen if input **ESC** KEY by MAIN MENU at work completion.

2. Down Load

Send DATA in COMPUTER DISK in equipment or PTP, TTY etc.

- Use ← → direction KEY in MAIN MENU and move by Intercommunication.

- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.

- Using ↑ ↓ direction Key Down loading if click Enter Key after selection on screen as follows mark.

```

Select download File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ        2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location,
and ".. " means upper file catalog of current pathname.

Also, in name of file end " " if have stuck the file cotton cloth file catalog mean .

- Is marked on screen lower column if can designate the name of file by direction KEY, and input
the direction name of file by KEY.

- Show file list that correspond to ashes pathname designated if designate file catalog.

- Can input and select File that extension is as "UIC" and work with "*.UIC" instead "*. *" when see particular extension.

- Specify File life and input Enter Key.

- If is inputed in equipment by appointed File CMT cotton cloth and there is no CMD cotton
cloth to File, window that input File cotton cloth inputed in equipment on screen lower column
is marked.

Name stored in equipment this time after input enter Key input .

- Begin NC DATA transmission by UIC and if transmission is ended, it marks transmission
completion message on screen lower column.

- File name stored to UIC is stored by CMD(file comment) life that is storage to PC.
- to READER when transmit NC DATA by PTP or TTY PUNCH TAPE if input ENTER at the risk of tape NC DATA by PUNCH TAPE display .
- * Reference** in Universel kinds of machine Program if input **F10** key in Down Load state if input is not been to equipment of transmission and ERROR is happened on screen right side Delay Time mark .
If input bigger shame than shame marked this time although become slow, transmission speed can transmit perfectly Program.
- Return returns in Main screen if input **ESC** KEY by MAIN MENU at work completion.

3. System data Down Loading

Send System DATA in COMPUTER DISK in equipment.

- Initialize Universal equipment.
(on right side of equipment System Board (PS) do Set to "RUN" location again after move relationship S/W as "HLT")
- Use ← → direction KEY in MAIN MENU and move by Intercommunication.
- Is changed to relevant channel justly if click Page Up, Page Down KEY or shortcut
(ALT Key + channel number to select (1 ~ 8)) by channel that want designate .
RS232 port data and M/C name are marked on screen lower column.
- Using ↑ ↓ direction Key EXE Down loading if click Enter Key after selection on screen as follows mark.

```

Select download EXE File
C:\WDATAW*. *
.W
..W
VCDW          0 000223 09:49
PANAW         0 000223 09:49
AVIW          0 000223 09:49
B.SEQ         2674 010515 12:27 50 SEQUENCER PROGRAM
CHECK.PAN     1032 010519 20:12 21 CHECK PCB
FILL1.VCD     14335 011101 14:20 110 FILL MAIN BOARD
TEST123.AVI   5954 020711 11:50 85 TEST AVISERT NC DATA
Input file path or selecting.      12 File(s)      3383296 Bytes Free

```

- ". " of PROGRAM DATA LIST that appear on screen means top-level(ROOT) file catalog location, and ".. " means upper file catalog of current pathname.
Also, in name of file end " " if have stuck the file cotton cloth file catalog mean.
- It becomes indication on screen lower column if can designate the name of file by direction KEY, and input the direction name of file by KEY.
- Show file list that correspond to ashes pathname designated if designate file catalog.
- Select Universal System File and input Enter Key.
- Begin System DATA transmission by UIC and transmission situation is marked on screen lower column.

* Down loading System data. SYS_DATA : 30000 / 40580

- If transmission is ended, it marks "* Completed system data download." transmission completion message on screen lower column.
- UIC Setup message of System Data is marked on screen if transmission is completed normally.
- Setup Message marked this time can be different according to kind of equipment, System Data version etc.

***Reference** in Universal kinds of machine Program if input **F10** key in Down Load state if input is not been to equipment of transmission and ERROR is happened on screen right side Delay Time mark .

If input bigger shame than shame marked this time although become slow, transmission speed can transmit perfectly Program.

4. System Configured

* Reference : Setup Message can be different according to kind of equipment, System Data version etc.

```
RESTART UICS1
  UNIVERSAL INSTRUMENTS CORP.
  TRADE SECTET and/or COPYRIGHT 1982
  ALL RIGHTS RESERVED
SYSTEM IS NOT CONFIGURED; ENTER ONLY "SYSTEM<RETURN>" OR "HELP<RETURN>"
```

*> SY

*>SYSTEM>

PERIDO OF SYSTEM CLOCK ?

(USUALLY 1,16, OR 20 (FOR 1.04 ms, 16.66ms, OR 20ms)) 1

*>SYSTEM>

METRIC AXES ? (Y FOR YES, N FOR NO) Y

*>SYSTEM>

SYSTEM IDENTIFICATION ? (ONE TO THREE CHARACTERS) V10

V10>SYSTEM>

ENTER THE NUMBER OF PATTERN NAMES DESIRED

THE RANGE IS FORM 24 TO 100 NAMES 24

V10>SYSTEM>

LINE MACHINE TYPE

0001> P/T II 6241X VCD SEQUENCER/INSERTER MACHINE CONTROL

USING THIS TABLE DEFINE THE MACHINES IN THE SATELLITE SYSTEM

SATLEEITE MACHINE NUMBERS ARE FROM "1" TO "4"

ENTER AS <MACHINE-NUMBER>=<LINE-NUMBER-of-MACHINE-TYPE>

EXAMPLE: "1=1, 2=2<RETURN>"

(NOTE: ENTER "1=0<RETURN>" IF NO MACHINES ARE ON SYSTEM)

V10>SYSTEM> 1=1,2=1

V10>SYSTEM>

UICS 1.3EMO

PROGRAM MIX 405913-384 REV-D

42453000B 08/27/87 P/T II 6421X VCD SEQUENCER/INSERTER

41974800 06/10/86 VCD PATTERN CONVERSION ROUTINE

41601400B 01/20/87 BOARD ERROR CORRECTION 1 LIBRARY UICS

41618400A 05/05/87 MACHINE SELF-DIAGNOSTICS OPTION

40651300E 05/05/87 UICS SATELINK II LOLINK

40591300Q 07/22/87 UICS 1.3EMO BASE OPERATOR

01 MESE CLOCK

0 TAPE PUNCHES

0 TAPE READERS

1 DATA LINKS

1 OPERATOR TERMINALS

0 MACHINE TERMINALS

METRIC AXES

0001> P/T II 6241X VCD SEQUENCER/ INSERTER MACHINE CONTROL

0002> P/T II 6241X VCD SEQUENCER/ INSERTER MACHINE CONTROL

V10>

5. CABLE Connection

1) CABLE 1 (CA1)

(COMPUTER 9PIN, (*9PIN(-)))			(ACS-8 9PIN(+))		
(RX)	2 (*3)	(YELLOW) <-----	3		
(TX)	3 (*2)	(RED) ----->	2		
(RTS)	4 (*7)	(ORANGE) ----->	7		
(CTS)	5 (*8)	(WHITE) <-----	8		
(DSR)	6 (*6)	(BLUE) <-----	6		
(GND)	7 (*5)	(BLACK) <-----	5		
(DTR)	20 (*4)	(GREEN) ----->	4		

2) CABLE 2 (CA2) : Universal

(ACS-8 9PIN(-))			(MACHINE 25PIN(-))		
(IN)	2 (RED)	<-----	2		
(OUT)	3 (YELLOW)	----->	3		
(DTR)	4 (GREEN)				
(GND)	5 (BLACK)	-----	7		
(DSR)	6 (BLUE)				
(BUSY)	7 (ORANGE)				
(READ)	8 (WHITE)				