9. LIST OF RS-232C COMMANDS

9.1 RS-232C COMMANDS OUTLINE

9.1.1 DESCRIPTION OF RS-232C COMMANDS

With the PDP-5000EX/PRO-FHD1, the serial port is commonly used by the RS-232C and SR+ connectors. Although the setting upon shipment is RS-232C, it can be changed to SR+, using the Home menu. If SR+ is selected, to use the RS-232C commands during servicing to control the unit the setting must be returned to RS-232C.

●How to switch between SR+ and RS-232C

There are two ways to switch: (1) by using the remote control unit during Standby mode, and (2) by using the Home menu.

(1) Switching by using the remote control unit during Standby mode

- **From SR+ to RS-232C**
  With the unit in normal Standby mode, press a key other than the Standby key. Then within 10 seconds, hold the Volume + (or -) key pressed for 3 to 10 seconds.
  Then hold the sprit key pressed for 3 to 10 seconds. Then within 3 seconds, press the Enter key.
  The Standby LED flashes twice.
  Then the setting is switched to RS-232C, and the baud rate becomes 9600 bps.

- **From RS-232C to SR+**
  With the unit in normal Standby mode, press a key other than the Standby key. Then within 10 seconds, hold the Volume + (or -) key pressed for 3 to 10 seconds.
  Then hold the sprit key pressed for 3 to 10 seconds. Then within 3 seconds, press the HOME MENU key.
  The Standby LED flashes twice.
  Then the setting is switched to SR+.

(2) Switching by using the Home menu

- **From SR+ to RS-232C**
  Press the HOME MENU key. Move the cursor to Initial Setting, using the Up or Down key, then press the Enter key.
  Move the cursor to SR+, by the Up or Down key. Move the cursor to "Off," using the Left or Right key.
  Press the HOME MENU key to exit the Home menu.
  Then the setting is switched to RS-232C, and the baud rate becomes 9600 bps.

- **From RS-232C to SR+**
  Press the HOME MENU key. Move the cursor to Initial Setting, by using the Up or Down key, and press the Enter key.
  Move the cursor to SR+, by using the Up or Down key. Move the cursor to "On," by using the Left or Right key.
  Press the HOME MENU key to exit from the Home menu.
  Then the setting is switched to SR+.

●About RS-232C commands during Standby mode

During Standby mode (while the power to the main microcomputer is off), RS-232C commands (excluding some, such as PON) are not valid. If you wish to send invalid commands, such as DRV, during Standby mode, proceed in the following way:

During Standby
↓
ZACS00 (Although this is a command for aging, it is used for starting up the main microcomputer, in this case.)
↓ (Within 10 seconds)
DRVS00 (To turn the drive off)
↓ (Within 10 seconds)
PON

9.1.2 COMMAND PROTOCOL

● Command format

■Communication protocol : Asynchronous serial communication by RS-232C

Start bit length	: 1 bit
Data width	: 8 bit (ASCII code/ no distinction between upper case and lower case)
Parity	: None
Stop bit length	: 1 bit
Baud rate	: 9600 bps

■Adjustment function

Direct effectivity of numbers : When a number is transmitted after a command, an adjustment value can be directly set.

■Data format

The format of the control signal transmitted from the user side controller is as described below.
STX (02Hex) is arranged at the time of communication start and ETX (03Hex) is arranged at the time of data transmission complete, and ID, command and parameter are arranged in between. Data consists of ASCII type alphanumeric characters, and there is no distinction between the upper case and the lower case.

■In the case of command only
[single function command]

STX	ID	Command	ETX
0x02	**	□□□	0x03

■When setting/adjustment data is accompanied
[setting/adjustment command]

STX	ID	Command	Parameter	ETX
0x02	**	□□□	△△△	0x03

■Command processing

Command processing starts as soon as the command is entered.
ID shall be the two asterisks, "**".

■Confirmation of reception

The main microcomputer will make judgment to the command received, and if the command is judged to be an effective one, processing will be executed. When the system is in the standby status for the next command after completion of the processing, a reply to the received command is sent out. The data to be responded is a data in the upper case after deleting the ID code from the received command.

■When setting/adjustment data is accompanied

Data transmitted by PC

STX	ID	Command	Parameter	ETX
0x02	**	□□□	△△△	0x03

→ Reply data

STX	Command	Parameter	ETX
0x02	□□□	△△△	0x03

■In the case of command only

Data transmitted by PC

STX	ID	Command	ETX
0x02	**	□□□	0x03

→ Reply data

STX	Command	ETX
0x02	□□□	0x03

When responding, ERR is sent back if the command is unknown, and XXX is sent back if the command itself is valid but it cannot be processed because of its status.

■In the case of invalid command

Data transmitted by PC

STX	ID	Command	ETX
0x02	**	□□□	0x03

→ Reply data

STX	Command	ETX
0x02	ERR	0x03

■In the case of a command not executable due to its status

Data transmitted by PC

STX	ID	Command	ETX
0x02	**	□□□	0x03

→ Reply data

STX	Command	ETX
0x02	XXX	0x03

■Processing in the case of an error

If a communication error occurs between STX and ETX, processing of that command is stopped, and the reception buffer is cleared.
In the command reception process, the character string transmitted after the receipt of STX are continued to be stored in the register, and by receipt of ETX, the character string sandwiched between STX and ETX is recognized as a command. If the prepared character string storage buffer (24 bytes including STX, ID and ETX) is exceeded, a reply will not be sent out.

9.1.3 DEFINITION OF COMMAND

● Definition of command

■Single function command

It is a command that a command alone will complete an operation, and the command section consists of three characters.

Data transmitted by main

STX	ID	Command	ETX
0x02	**	PON	0x03

→

Reply data

STX	Command	ETX
0x02	PON	0x03

■Adjustment command and adjustment value

It is a command, accompanied by an adjustment value, to change the parameter value, and the command section is also three characters as in the case of a single function command. The adjustment value is a three character decimal numerical data within the range of 000-999. Incidentally, the adjustable range will be different depending on the function to be adjusted. (Be careful as it is not always up to 999.)

Data transmitted by main

STX	ID	Command	Parameter	ETX
0x02	**	CNT	128	0x03

→

Reply data

STX	Command	Parameter	ETX
0x02	CNT	128	0x03

∗ XXX will be transmitted if the received command is exceeding the adjustable range of the adjustment value.
∗ When the same setting value is transmitted consecutively for two times or more, the setting is overwritten without responding with XXX even though the command is invalid, and an ACK after deleting the ID is sent back.

■Setting command and setting value

It is a command, accompanied by a setting value, to change the setting value of the parameter, and the command section consists of three characters. The setting value consists of three characters, and the first character is fixed to S and the remaining two characters are decimal numbers within the range of S00-S99.

Data transmitted by main

STX	ID	Command	Parameter	ETX
0x02	**	MKS	S02	0x03

→

Reply data

STX	Command	Parameter	ETX
0x02	MKS	S02	0x03

∗ XXX will be transmitted if the received command does not exist as a setting value.
∗ When the same setting value is transmitted consecutively for two times or more, the setting is overwritten without responding with XXX even though the command is invalid, and an ACK after deleting the ID is sent back.

■Status acquisition (QUEST) command

This is a command to report the operational status and the setting value.
When a command is received, an applicable content depending on the type of command is read out from the memory and sent back.
The command section consists of three characters, and the first character is fixed to Q. The second character and on are set depending on the content of the information.
When sending back a reply data, the received command, various data converted to ASCII code and checksum of that data are added and sent.
The data length will be subject to each individual specification as the content of a reply will be different depending on the type of QUEST command.

Data transmitted by main

STX	ID	Command	ETX
0x02	**	QS1	0x03

→

Reply data

STX	Command	Parameter	ETX
0x02	QS1	•••••••••	0x03

9.2 RS-232C COMMAND TABLE

If SR+ is set to ON, RS-232C commands cannot be received.
To switch the setting to RS-232C ON during Standby mode using the remote control unit, see 6.2 "RS-232C COMMANDS."

[Description of the items in the table]

① **Division: Classification of commands by definition**
ADJ: Commands for adjustment
FNC: Commands for function setting
SGL: Commands for a single function
SUB: Auxiliary commands

② **Command Reception Point:**
Classification by the microcomputer (main or module [Mod]) that receives a command to execute

③ **Effective Commands during Factory Mode:**
Classification of commands that are effective only in Factory mode (status after the command FAY is received)
The commands that are effective only in Factory mode return ERR during normal operation mode.

Command		Division	Function	command Reception Point		Last Memory	Only FAY is Effective	Remarks
				Mod	Main			
A								
ABL	***	ADJ	Adjusting the upper limit of the power	●		Mod	●	UP/DW key not effective
AMT	S00	FNC	Canceling audio muting		●			
	S01	FNC	Executing audio muting					
APW	S00	FNC	WB correction interlocked with APL: OFF	●			●	
	S01	FNC	WB correction interlocked with APL: ON	●			●	
B								
BCP		SGL	Copying the backup data in the EEPROM	●			●	
BHI	***	ADJ	User white balance : BLUE highlight	●	●	Main		
BLW	***	ADJ	User white balance : BLUE lowlight	●	●	Main		
BRT	***	ADJ	User brightness	●	●	Main		
BSM	S00	FNC	After image/Burning safe mode: OFF	●				
	S01	FNC	After image/Burning safe mode: ON	●				
C								
CBU		SGL	Clearing backup data	●			●	
CHM		SGL	Clearing data of the hour meter	●			●	
CNT	***	ADJ	User contrast	●	●	Main		
CMT		SGL	Clearing data of the maximum temperature	●			●	
CPC		SGL	Clearing power-on count data	●			●	
CPD		SGL	Clearing power-down histrory	●			●	
CPM		SGL	Clearing data of the pulse meter	●			●	
CSD		SGL	Clearing shutdown history	●			●	
D								
DRV	S00	FNC	Main power off	●				
	S01	FNC	Main power on	●				
DW*		SUB	To subtract *** to the adjustment value (*** = 000 to 999, designated by a function command)		●			
E								
ESV	S00	FNC	Setting Power Consumption mode to normal sequence and normal curve	●				
	S01	FNC	Setting Power Consumption mode to silent sequence and normal curve	●				
	S02	FNC	Setting Power Consumption mode to silent sequence and power-saving curve	●				
	S10	FNC	Setting Power Consumption mode to normal sequence and normal curve	●				
	S11	FNC	Setting Power Consumption mode to silent sequence and normal curve	●				
	S12	FNC	Setting Power Consumption mode to silent sequence and power-saving curve	●				

Command		Division	Function	command Reception Point		Last Memory	Only FAY is Effective	Remarks
				Mod	Main			
F								
FAJ		SGL	Determining the flag of the unit adjustment in "adjustment is completed"	●			●	
FAN		SGL	Factory mode off	●	●		●	
FAY		SGL	Factory mode on	●	●			
FST	S01	FNC	Set each memory setting of MTB side to the shipment state of Japan.		●		●	
	S02	FNC	Set each memory setting of MTB side to the shipment state of North America.		●		●	
	S03	FNC	Set each memory setting of MTB side to the shipment state of Europe.		●		●	
G								
GHI	***	ADJ	User white balance : GREEN highlight	●	●	Main		
GLW	***	ADJ	User white balance : GREEN lowlight	●	●	Main		
I								
INP	S01	FNC	Input switch: INPUT 1		●	Main		
	S02	FNC	Input switch: INPUT 2		●	Main		
	S03	FNC	Input switch: INPUT 3		●	Main		
	S04	FNC	Input switch: INPUT 4		●	Main		
	S05	FNC	Input switch: INPUT 5		●	Main		
	S06	FNC	Input switch: INPUT 6		●	Main		
M								
MKC	S00	FNC	MASK off	●		Mod	●	
	S01	FNC	H ramp (slant 1) M	●		Mod	●	
	S02	FNC	H ramp (slant 4) M	●		Mod	●	
	S03	FNC	Slanting ramp M	●		Mod	●	
	S04	FNC	30 for aging	●		Mod	●	
	S05	FNC	05 for aging	●		Mod	●	
	S06	FNC	Erasing afterimage 1	●		Mod	●	
	S07	FNC	Erasing afterimage 2 (RGB: zigzag, V: reverse)	●		Mod	●	
	S08	FNC	White (change in luminance level)	●		Mod	●	
	S09	FNC	PEAK SEEK RASTER	●		Mod	●	
	S10	FNC	For technique evaluation 1	●		Mod	●	
MKS	S00	FNC	MASK off	●		Mod		
	S01	FNC	H ramp (slant 1)	●		Mod	●	
	S02	FNC	H ramp (slant 4)	●		Mod	●	
	S03	FNC	V ramp (slant 1)	●		Mod	●	
	S04	FNC	Slanting ramp	●		Mod	●	
	S05	FNC	Window (Hi= 870, Lo= 102)	●		Mod	●	
	S06	FNC	Window (Hi= 1023, Lo= 102)	●		Mod	●	
	S07	FNC	Window (Hi= 1023)	●		Mod	●	
	S08	FNC	Window (Hi= 1023) 4 %	●		Mod	●	
	S09	FNC	Window (Hi= 1023) 1.25 %	●		Mod	●	
	S10	FNC	Window (1/7 LINE)	●		Mod	●	
	S11	FNC	STRIPE (MGT/GRN)	●		Mod	●	
	S12	FNC	STRIPE (GRN/MGT)	●		Mod	●	
	S13	FNC	B & W, checker (1 line)	●		Mod	●	
	S14	FNC	B & W, checker (2 lines)	●		Mod	●	
	S15	FNC	B & W, checker (4 lines)	●		Mod	●	
	S16	FNC	B & W, checker (8 lines)	●		Mod	●	
	S17	FNC	COLOR BAR	●		Mod	●	

Command		Division	Function	command Reception Point		Last Memory	Only FAY is Effective	Remarks
				Mod	Main			
MKS	S18	FNC	Slanting lines	●		Mod	●	
	S19	FNC	Red & black, checker (1 line)	●		Mod	●	
	S20	FNC	Red & black, checker (2 lines)	●		Mod	●	
	S21	FNC	Red & black, checker (4 ines)	●		Mod	●	
	S22	FNC	Red & black, checker (8 lines)	●		Mod	●	
	S23	FNC	RGB zigzag, V reverse	●		Mod	●	
	S24	FNC	SUS 2000 pulses (black raster)	●		Mod	●	
	S25	FNC	Window (Hi= 870, Lo= 102) Pattern	●		Mod	●	
	S26	FNC	Window (Hi= 1023, Lo= 102) Pattern	●		Mod	●	
	S27	FNC	Window (Hi= 1023) Pattern	●		Mod	●	
	S28	FNC	Window (Hi= 1023) 4 % Pattern	●		Mod	●	
	S29	FNC	Window (Hi= 1023) 1.25 % Pattern	●		Mod	●	
	S30	FNC	Window (1/7 LINE) Pattern	●		Mod	●	
	S31	FNC	Noise ON - White	●		Mod	●	
	S32	FNC	Noise ON - Red	●		Mod	●	
	S33	FNC	Noise ON - Green	●		Mod	●	
	S34	FNC	Noise ON - Blue	●		Mod	●	
	S35	FNC	Noise ON - Black	●		Mod	●	
	S36	FNC	For technique evaluation 1	●		Mod	●	
	S37	FNC	For technique evaluation 2	●		Mod	●	
	S38	FNC	For technique evaluation 3	●		Mod	●	
	S39	FNC	For technique evaluation 4	●		Mod	●	
	S51	FNC	Raster - White	●		Mod	●	
	S52	FNC	Raster - Red	●		Mod	●	
	S53	FNC	Raster - Green	●		Mod	●	
	S54	FNC	Raster - Blue	●		Mod	●	
	S55	FNC	Raster - Black	●		Mod	●	
	S56	FNC	Raster - Cyan	●		Mod	●	
	S57	FNC	Raster - Magenta	●		Mod	●	
	S58	FNC	Raster - Yellow	●		Mod	●	
	S59	FNC	Raster - Light purple 1	●		Mod	●	
	S60	FNC	Raster - Sky blue 1	●		Mod	●	
	S61	FNC	Raster - Yellow egg color	●		Mod	●	
	S62	FNC	Raster - Light blue	●		Mod	●	
	S63	FNC	Raster - Indigo blue	●		Mod	●	
	S64	FNC	Raster - Red 582	●		Mod	●	
	S65	FNC	Raster - Red 850	●		Mod	●	
	S66	FNC	Raster - Green 850	●		Mod	●	
	S67	FNC	Raster - Blue 850	●		Mod	●	
	S68	FNC	Raster - Gray 850	●		Mod	●	
	S69	FNC	Raster - Beige	●		Mod	●	
	S70	FNC	Raster - Green 582	●		Mod	●	
	S71	FNC	Raster - Cyan 464	●		Mod	●	
	S72	FNC	Raster - Sky blue 2	●		Mod	●	
	S73	FNC	Raster - Light purple 2	●		Mod	●	
	S74	FNC	Raster - Gray 362	●		Mod	●	

Command		Division	Function	command Reception Point		Last Memory	Only FAY is Effective	Remarks
				Mod	Main			
MST	S00	FNC	Single screen display		●			
	S01	FNC	PsideP (main size is normal)		●			
	S08	FNC	SWAP (swapping pictures between the main screen and subscreen)		●	Main		
O								
OSD	S00	001	Turning OSD setting to off		●	Main		
	S01	001	Turning OSD setting to off		●	Main		
P								
PAV	S**	FNC	Switching panel functions interlocked with the AV selection	●				
PBH	***	ADJ	Panel white balance adjustment - Blue highlight	●		Mod	●	UP/DW key not effective
PBL	***	ADJ	Panel white balance adjustment - Blue low light	●		Mod	●	UP/DW key not effective
PDM	S00	FNC	Passing PD signals to the Power SUPPLY Unit => Power-down	●				
	S01	FNC	Not passing PD signals to the Power SUPPLY Unit => No power-down	●				
PFN		SGL	(Panel) Factory mode: off	●			●	
PFS		SGL	Setup at shipment	●			●	
PFY		SGL	(Panel) Factory mode: on	●			●	The MASK setting and picture-quality settings of the MB remain the same.
PGH	***	ADJ	Panel white balance adjustment - Green highlight	●		Mod	●	UP/DW key not effective
PGL	***	ADJ	Panel white balance adjustment - Green low light	●		Mod	●	UP/DW key not effective
PGM	001	FNC	Setting of the gamma table	●				
PMT	S00	FNC	Canceling panel muting	●				
	S01	FNC	Panel muting	●				
POF		SGL	Power off	●	●	Main		
PON		SGL	Power on	●	●	Main		
PPT	S00	FNC	Panel protection: off	●			●	
	S01	FNC	Panel protection: on	●			●	
PRH	***	ADJ	Panel white balance adjustment - Red highlight	●		Mod	●	UP/DW key not effective
PRL	***	ADJ	Panel white balance adjustment - Red low light	●		Mod	●	UP/DW key not effective
PUC	S00	FNC	Pure cinema: off	●	●	Main	●	
	S01	FNC	Pure cinema: standard	●	●	Main	●	
	S02	FNC	Pure cinema: advanced	●	●	Main	●	
Q								
QAJ		QST	Acquiring various adjustment values	●				
QIP		QST	Acquiring various input signal data	●				
QMT		QST	Acquiring temperature of MTB side and Fan speed		●			
QNG		QST	Acquiring shut-down information of MTB side		●			
QPD		QST	Acquiring logs of power-down points	●				
QPM		QST	Acquiring data of the pulse meter	●				
QPW		QST	Acquiring panel white balance adjustment values	●				
QS1		QST	Acquiring unit data, such as the software version common to all models, regardless of destination	●	●			
QS2		QST	Acquiring data on the status of the unit, such as temperature	●				
QSD		QST	Acquiring data on shutdown	●				
QSI		QST	Acquiring data related with signals of panel side	●				

Command		Division	Function	command Reception Point		Last Memory	Only FAY is Effective	Remarks
				Mod	Main			
R								
RBL	S**	FNC	Setting of blue level for panel degradation correction	●		Mod	●	
RGL	S**	FNC	Setting of green level for panel degradation correction	●		Mod	●	
RHI	***	ADJ	User white balance - Red highlight	●	●	Main		UP/DW key not effective
RLW	***	ADJ	User white balance - Red low light	●	●	Main		UP/DW key not effective
RRL	S**	FNC	Setting of red level for panel degradation correction	●		Mod	●	
RSW	***	ADJ	Adjustment of the width of XY reset pulse 1	●		Mod	●	UP/DW key not effective
RYW	***	ADJ	Adjustment of the width of XY reset pulse 2	●		Mod	●	UP/DW key not effective
S								
SDM	S00	FNC	Shutdown enabled	●				
	S01	FNC	Shutdown prohibited	●				
SFR	S01	FNC	Measures against AM radio noise - Pattern 1	●		Mod	●	
	S02	FNC	Measures against AM radio noise - Pattern 2	●		Mod	●	
	S03	FNC	Measures against AM radio noise - Pattern 3	●		Mod	●	
	S04	FNC	Measures against AM radio noise - Pattern 4	●		Mod	●	
	S05	FNC	Measures against AM radio noise - Pattern 5	●		Mod	●	
	S06	FNC	Measures against AM radio noise - Pattern 6	●		Mod	●	
	S07	FNC	Measures against AM radio noise - Pattern 7	●		Mod	●	
	S08	FNC	Measures against AM radio noise - Pattern 8	●		Mod	●	
SMM	S**	FNC	Setting of the effective area during streaking correction	●			●	
SN0	***	ADJ	Setting of the serial No. 0 (panel)	●		Mod	●	UP/DW key not effective Alphabetics can be input.
SN1	***	ADJ	Setting of the serial No. 1 (panel)	●		Mod	●	UP/DW key not effective Alphabetics can be input.
SN2	***	ADJ	Setting of the serial No. 2 (panel)	●		Mod	●	UP/DW key not effective Alphabetics can be input.
SN3	***	ADJ	Setting of the serial No. 3 (panel)	●		Mod	●	UP/DW key not effective Alphabetics can be input.
SN4	***	ADJ	Setting of the serial No. 4 (panel)	●		Mod	●	UP/DW key not effective Alphabetics can be input.
SSI	S01	FNC	Sub input switch: INPUT 1		●	Main		
	S02	FNC	Sub input switch: INPUT 2		●	Main		
	S03	FNC	Sub input switch: INPUT 3		●	Main		
	S04	FNC	Sub input switch: INPUT 4		●	Main		
	S05	FNC	Sub input switch: INPUT 5		●	Main		
	S06	FNC	Sub input switch: INPUT 6		●	Main		
SSM	S00	FNC	Turning the external SSCG operation off	●			●	
	S01	FNC	Turning the external SSCG operation on (normal operation)	●			●	
SZM	S00	FNC	Setting the screen size to Dot by Dot or PARTIAL		●	Main		
	S01	FNC	Setting the screen size to 4 : 3		●	Main		
	S02	FNC	Setting the screen size to FULL or FULL 1080i		●	Main		
	S03	FNC	Setting the screen size to ZOOM		●	Main		
	S04	FNC	Setting the screen size to CINEMA		●	Main		
	S05	FNC	Setting the screen size to WIDE		●	Main		
	S06	FNC	Setting the screen size to FULL 14 : 9		●	Main		
	S07	FNC	Setting the screen size to CINEMA 14 : 9		●	Main		
	S08	FNC	Setting the screen size to FULL 1035i		●	Main		

Command		Division	Function	command Reception Point		Last Memory	Only FAY is Effective	Remarks
				Mod	Main			
U								
UAJ		SGL	Determining the flag for the unit adjustment in "not adjusted"	●				
UP∗		SUB	To add ∗∗∗ to the adjustment value ∗∗∗ = 000 to 999 With DW0, the adjustment value is added by 10.		●			
V								
VFQ	S01	FNC	Setting the frequency in Mask mode to VD-48 Hz	●		Mod	●	
	S02	FNC	Setting the frequency in Mask mode to VD-50 Hz	●		Mod	●	
	S03	FNC	Setting the frequency in Mask mode to VD-60 Hz	●		Mod	●	
	S05	FNC	Setting the frequency in Mask mode to VD-72 Hz	●		Mod	●	
	S06	FNC	Setting the frequency in Mask mode to VD-75 Hz	●		Mod	●	
	S13	FNC	Setting the frequency in Mask mode to PC-60 Hz	●		Mod	●	
	S14	FNC	Setting the frequency in Mask mode to PC-70 Hz	●		Mod	●	
	S22	FNC	Setting the frequency in Mask mode to VD-50 Hz (nonstandard)	●		Mod	●	
	S23	FNC	Setting the frequency in Mask mode to VD-60 Hz (nonstandard)	●		Mod	●	
	S25	FNC	Setting the frequency in Mask mode to VD-72 Hz (nonstandard)	●		Mod	●	
	S26	FNC	Setting the frequency in Mask mode to VD-75 Hz (nonstandard)	●		Mod	●	
VOF	∗∗∗	ADJ	Adjustment of the reference value of Vofs voltage	●		Mod	●	UP/DW key not effective
VOL	UP∗, DW∗, ∗∗∗	ADJ	To adjust the volume (to be used in combination with UP∗/DW∗) ∗∗∗ = 000 to 060		●	Main		
VRP	∗∗∗	ADJ	Adjustment of the reference value of Vrst-p voltage	●		Mod	●	UP/DW key not effective
VSU	∗∗∗	ADJ	Adjustment of the reference value of Vsus voltage	●		Mod	●	UP/DW key not effective
W								
WBI	S00	FNC	Panel WB standard output mode: off	●			●	
	S01	FNC	Panel WB standard output mode: on	●			●	
X								
XSB	∗∗∗	ADJ	X-SUS-B ADJ	●		Mod	●	UP/DW key not effective
Y								
YSB	∗∗∗	ADJ	Y-SUS-B ADJ	●		Mod	●	UP/DW key not effective
YTB	∗∗∗	ADJ	Y-SUSTAIL T2 ADJ	●		Mod	●	UP/DW key not effective
YTG	∗∗∗	ADJ	Y-SUSTAIL T1 ADJ	●		Mod	●	UP/DW key not effective
YTW	∗∗∗	ADJ	Y-SUSTAIL W ADJ	●		Mod	●	UP/DW key not effective
Z								
ZME	SGL		Initializing the video EEPROM data		●		●	
ZPR	SGL		Initializing the setting data to which no adjustment command is provided	●			●	