SHARP LA862 Interactive Display Instruction Manual

Contents

SHARP LA862 Interactive Display

Product Information

Specifications

- Model Numbers: PN-LA862, PN-LA752, PN-LA652
- Control Options: RS-232C, LAN
- Communication Settings:
  - Baud Rate: 9600 bps
  - Data Length: 8 bits
  - Stop Bit: 1 bit
  - Flow Control: None
  - Parity Bit: None

Product Usage Instructions

Controlling the Monitor with a Computer (RS-232C)

You can control the monitor using a computer connected via RS-232C.

1. Set the communication settings on the computer to match the monitor’s settings.
2. Connect the computer to the monitor using an RS-232 straight cable.

Controlling the Monitor with a Computer (LAN)

You can control the monitor from a computer via a network connection.

1. Specify the IP address and data port number to connect the computer to the monitor.

2. Send commands to control the monitor and disconnect after use.

Communication Procedure

Commands sent from the computer to the monitor trigger operations and response messages.

- Command Format: Command field + Parameter field
- Response Code Format: OK for successful execution, ERR for unsuccessful, WAIT for delay

Format Command Table

- The command table specifies commands, directions, and control/response contents.

FAQ

- **Q:** How do I troubleshoot communication issues?
- **A:** Ensure correct communication settings, and cable connections, and refer to the manual for troubleshooting tips.
- **Q:** Can I control the monitor wirelessly?
- **A:** The monitor can be controlled wirelessly through a LAN connection.

Controlling the Monitor with a computer (RS-232C)

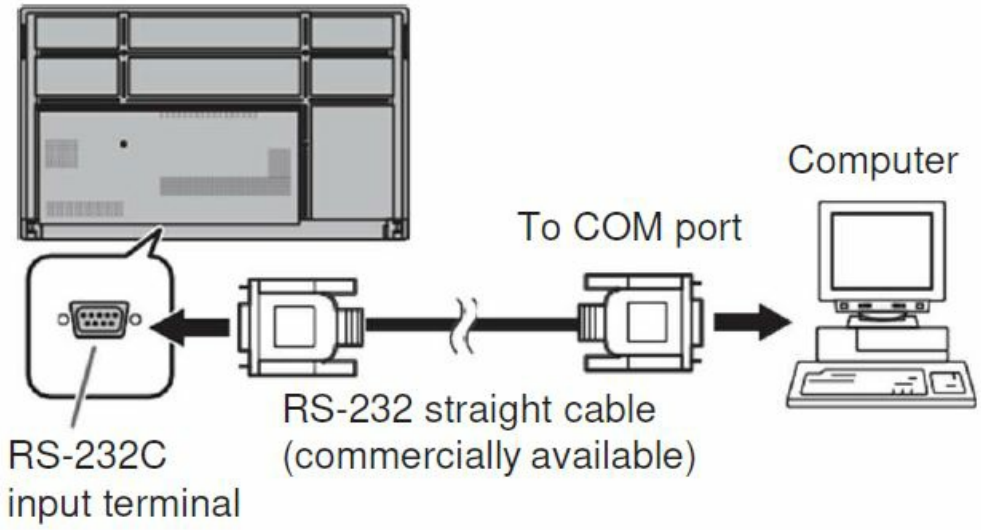
- You can control this monitor from a computer via RS-232C (COM port) on the computer.

TIPS

- Set “COMMAND (RS-232C)” to ON in “ADMIN” > “CONTROL FUNCTION” on the Settings menu.

Computer Connection

- Connect with an RS-232 straight cable between the computer’s COM port (RS-232C connector) and the RS-232C input terminal on the monitor.



Communication conditions
Set the RS-232C communication settings on the computer to match the monitor's communication settings as follows:

Baud rate	9600 bps
Data length	8 bits
Parity bit	None

Stop bit	1 bit
Flow control	None

Controlling the Monitor with a computer (LAN)

- You can control this monitor from a computer via a network.

TIPS

- This monitor must be connected to a network.
- Set "LAN Port" to ON in "ADMIN" > "COMMUNICATION
- SETTING" on the Setting menu and configure network settings in "LAN SETUP".
- Set "COMMAND (LAN)" to ON in "ADMIN" > "CONTROL FUNCTION" on the Settings menu.
- The settings for the commands are set in "NETWORK – COMMAND" on the web page.

Command-based control

- You can control the monitor using S-Format commands via terminal software and other appropriate applications.
- Read the manual for the terminal software for detailed instructions.

Command control via normal communication

Connect the computer to the monitor

1. Specify the IP address and data port number (Default setting: 10008) and connect the computer to the monitor. When the connection has been established successfully, [Login:] is returned as a response.
2. Send the user name.
    - Send [user name] + [↵].
    - If the user name is not set, send [↵].
    - When the transmission is successful, [Password:] is returned as a response.
3. Send the password.
    - Send [password] + [↵].
    - If the password is not set, send [↵].
    - When the transmission is successful, [OK ↵] is returned as a response.

Send commands to control the monitor

- The commands used are the same as those for RS-232C. Refer to the communication procedure (see page 4) for operation.
- Usable commands are provided in the S-Format command table.

Disconnect the connection with the monitor and quit the function

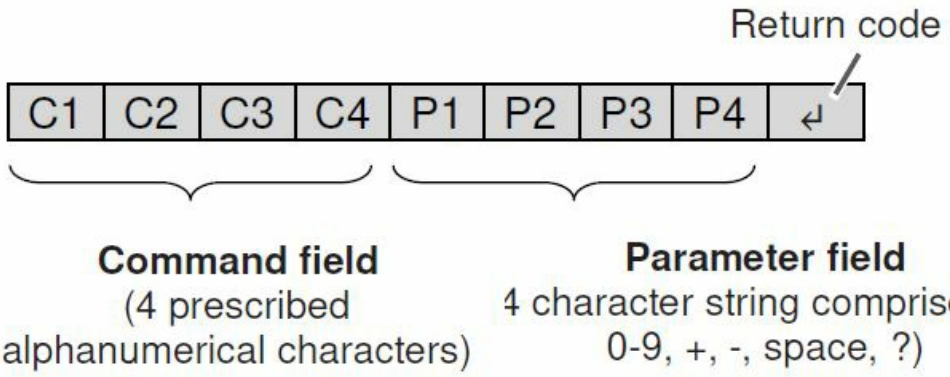
1. Send [BYE ↵]. When the transmission is successful, [Goodbye ↵] is returned and the connection is disconnected.

TIPS

- If “AUTO LOGOUT” is on, the connection will be disconnected after 15 minutes of no command communication.
- Up to 3 connections can be used at the same time.

Communication Procedure

Command format
When a command is sent from the computer to the monitor, the monitor operates according to the received command and sends a response message to the computer.



Example: VOLM0030
VOLM 30

* Be sure to input 4 characters for the parameter.
Pad with spaces (“ ”) if necessary.
(“ ⏎ ” is a return code (0DH, 0AH or 0DH))

Right : VOLM␣␣30⏎

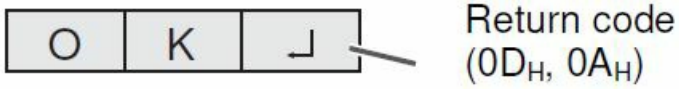
- If a command has “R” listed for “Direction” in the S-Format command table on page 5, the current value can be returned by using “?” as the parameter.

Example:

VOLM???? ← From computer to monitor (How much is current volume setting?).

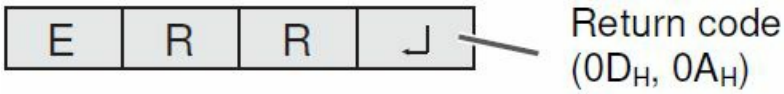
30 ← From monitor to computer (Current volume setting: 30).

Response code format
When a command has been executed correctly



- A response is returned after a command is executed.

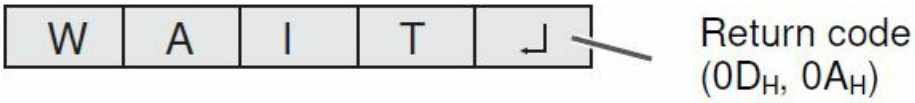
When a command has not been executed



TIPS

- “ERR” is returned when there is no relevant command or when the command cannot be used in the current state of the monitor.
- If using only lowercase characters in the command field, nothing is returned (not even ERR)
- If communication has not been established for reasons such as a bad connection between the computer and monitor, nothing is returned (not even ERR).
- “ERR” may be returned when a command cannot be received correctly due to interference from the surrounding environment. Please ensure that the system or software resends the command if this occurs.

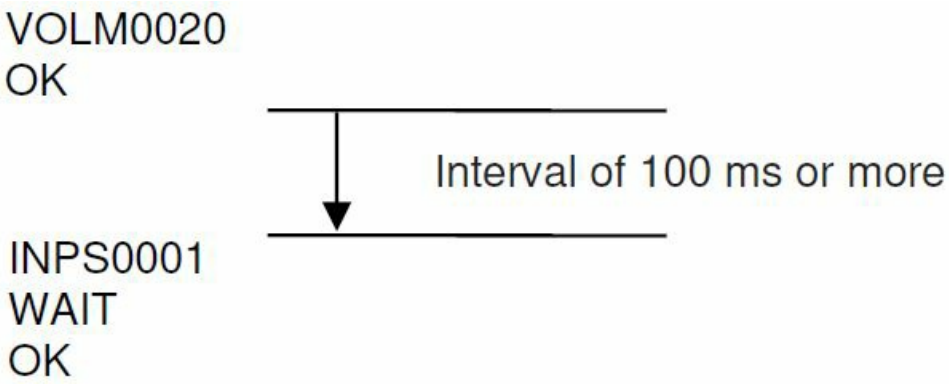
If execution of the command is taking some time



- When “WAIT” is returned, a value will be returned if you wait a while. Do not send any commands during this period.

Communication interval

- To set a timeout for the command response, specify 10 seconds or longer.
- Provide an interval of 100 ms or more between the command response and the transmission of the next command.



TIPS

- When “ALL RESET” is executed, this monitor will restart. Wait at least 1 minute before sending the next command.
- Before sending a power “On” or “Off” command, it is recommended that you perform buffer clear at the sending application side.
- After executing a power “On” or “Off” command, wait at least 1 minute before sending the next command.

S-Format Command table

Command table

How to read the command table

- Command: Command field
- Direction: W When the “Parameter” is set in the parameter field (see page 3), the command functions as described under “Control/Response Contents”.
- R The returned value indicated under “Reply” can be obtained by setting “????” or “ ␣␣␣?” in the parameter field.
- Parameter: Parameter field
- Reply: Response (Returned value)
- *: “●” : Indicates a command which can be used in a standby state, input signal waiting for state or when the power is on.
- “○”: Indicates a command that can be used in the input signal waiting state or when the power is on.
- “△”: Indicates a command which can be used in a standby state or when power is on.
- “▬”: Indicates a command which can be used when the power is on.

Power control / Input mode selection

Function	Command	Direction	Parameter	Reply	Control/Response contents	*
Power control	POWR	W	0		Switches to standby state.	●
			1		Resume from standby state	
		R		0	Standby state	
				1	Normal mode	
				2	Input signal waiting state	
Input mode selection	INPS	W	0		Toggle change for input mode.	
		WR	10	10	HDMI1	
			13	13	HDMI2	
			14	14	DisplayPort	
			21	21	OPTION	
			27	27	USB-C	

PICTURE menu

Function	Command	Direction	Parameter	Reply	Control/Response contents	*
			0	0	STD	
			2	2	VIVID	

PICTURE MODE		BMOD	WR	3	3	sRGB	●
				4	4	HIGH BRIGHT	
				8	8	CUSTOM	
				20	20	CONFERENCING	
				21	21	SIGNAGE	
BRIGHT		VLMP	WR	0-31	0-31		
BACKLIGHT DIMMING		BADI	WR	0 1	0 1	0: OFF, 1: ON	
BACKLIGHT OFF		BOMD	WR	0 1	0 1	0: Backlight OFF, 1: Backlight ON	
CONTRAST		CONT	WR	0 60	0 60		
BLACK LEVEL		BLVL	WR	0 60	0 60		
TINT		TINT	WR	0 60	0 60		
COLORS		COLR	WR	0 60	0 60		
SHARPNESS		SHRP	WR	0 24	0 24		
COLOR TEMPERATURE		WHBL	WR	0 2	0 2	0: THRU, 1: PRESET, 2: USER	
	PRESET	CTMP	WR	1 28	1 28	1: 3000K 15: 10000K (500K step), 16: 5600K, 17 9300K, 18: 3200K, 19: 10500K 28: 15000K (500 step) ERR if the Color Temperature is not set to PRESET.	
	USER R-CONTRAST	CRTR	WR	0 256	0 256	The contrast and offset value when the Color Temperature is set to USER. Error if the Color Temperature is not set to USER.	● *1
	USER G-CONTRAST	CRTG	WR	0 256	0 256		
	USER B-CONTRAST	CRTB	WR	0 256	0 256		
	USER R-OFFSET	OFSR	WR	-127 127	-127 127		
	USER G-OFFSET	OFSG	WR	-127 127	-127 127		
	USER B-OFFSET	OFSB	WR	-127 127	-127 127		

	COPY TO USER	CPTU	W	0		Copies the value set for PRESET to the USER setting.	
GAMMA		GAMM	WR	1	1	2.2	
				2	2	2.4	
				3	3	DICOM SIMULATION	
				10	10	NATIVE	
COLOR CONTROL – TINT - R		CMHR	WR	-10 10	-10 10	Increasing value, be Y(yellow). Decreasing value, be M(magenta).	●
COLOR CONTROL – TINT - Y		CMHY	WR	-10 10	-10 10	Increasing value, be B(blue). Decreasing value, be G(green).	
COLOR CONTROL – TINT - G		CMHG	WR	-10 10	-10 10	Increasing value, be C(cyan). Decreasing value, be Y(yellow).	

Function	**Command**	**Direction**	**Parameter**	**Reply**	**Control/Response contents**	*
COLOR CONTROL – TINT - C	CMHC	WR	-10 10	-10 10	Increasing value, be B(blue). Decreasing value, be G(green).	
COLOR CONTROL – TINT - B	CMHB	WR	-10 10	-10 10	Increasing value, be M(magenta). Decreasing value, be C(cyan).	
COLOR CONTROL – TINT - M	CMHM	WR	-10 10	-10 10	Increasing value, be R(red) Decreasing value, be B(blue).	
COLOR CONTROL – COLORS -R	CMSR	WR	-10 10	-10 10	Increasing value increases the saturation of R(red). Decreasing the value decreases the saturation of R(red).	
COLOR CONTROL – COLORS -Y	CMSY	WR	-10 10	-10 10	Increasing value increases the saturation of Y(yellow). Decreasing the value decreases the saturation of Y(yellow).	
COLOR CONTROL – COLORS -G	CMSG	WR	-10 10	-10 10	Increasing value increases saturation of G(green). Decreasing the value decreases saturation of G(green).	●
COLOR CONTROL – COLORS -C	CMSC	WR	-10 10	-10 10	Increasing value increases saturation of C(cyan). Decreasing the value decreases the saturation of C(cyan).	
COLOR CONTROL – COLORS -B	CMSB	WR	-10 10	-10 10	Increasing value increases saturation of B(blue). Decreasing the value decreases the saturation of B(blue).	

COLOR CONTROL – COLORS -M	CMSM	WR	-10 10	-10 10	Increasing value, increase saturation of M(magenta). Decreasing the value decreases the saturation of M(magenta).	
Reset COLOR CONTROL	CRST	W	1		Reset COLOR CONTROL – TINT setting.	● *1
			2		Reset COLOR CONTROL – COLORS setting.	
NR	TDNR	WR	0 2	0 2	0: OFF, 1: LOW, 2: HIGH	●
RGB INPUT RANGE	INPR	WR	0 2	0 2	0: AUTO, 1: FULL, 2: LIMITED	
DisplayPort STREAM	DPST	WR	0,2	0,2	0: SST1(DP Ver1.1), 2: SST2(DP Ver1.2)	—
HDMI MODES-HDMI1	HD1M	WR	0 1	0 1	0: MODE1, 1: MODE2	
HDMI MODES-HDMI2	HD2M	WR	0 1	0 1	0: MODE1, 1: MODE2	
OPTION HDMI MODES OPTION	OPTM	WR	0 1	0 1	0: MODE1, 1: MODE2	
HDR	HDRS	WR	0 1	0 1	0: OFF, 1: ON	○
PQ LUMINANCE	PQLU	WR	0 2	0 2	0: LOW, 1: MIDDLE, 2: HIGH	
AMBIENT LIGHT SENSING -MODE	ALSM	WR	0 1	0 1	0: OFF, 1: ON	
AMBIENT LIGHT SENSING – MAX AMBIENT LIGHT	AIBI	WR	0 100	0 100		
AMBIENT LIGHT SENSING – MAX DISPLAY BRIGHT	AIBB	WR	0 31	0 31		
AMBIENT LIGHT SENSING – MIN AMBIENT LIGHT	AIDI	WR	0 100	0 100		
AMBIENT LIGHT SENSING – MIN DISPLAY BRIGHT	AIDB	WR	0 31	0 31		

AMBIENT LIGHT SENSING – STATUS AMBIENT LIGHT	ASIL	R		0 100		●
AMBIENT LIGHT SENSING – STATUS DISPLAY BRIGHT	ASBR	R		0 31		
MOTION SENSOR – MODE	HUSM	WR	0 1	0 1	0: OFF, 1: ON	
MOTION SENSOR -AUTO OFF	HAOT	WR	1 4	1 4	1: 1 hour, 2: 2 hours, 3: 3 hours, 4: 4 hours	
DISPLAY COLOR PATTERN	PTDF	WR	0 4, 99	0 4, 99	0: OFF, 1: WHITE, 2: RED, 3: GREEN, 4: BLUE, 99: USER	○
DISPLAY COLOR PATTERN – USER – R	PTDR	WR	0 255	0 255	Red level of colour pattern Respond ERR excluding if DISPLAY COLOR PATTERN is USER.	—
DISPLAY COLOR PATTERN – USER – G	PTDG	WR	0 255	0 255	Green level of colour pattern Respond ERR excluding if DISPLAY COLOR PATTERN is USER.	
DISPLAY COLOR PATTERN – USER – B	PTDB	WR	0 255	0 255	Blue level of colour pattern Respond ERR excluding if DISPLAY COLOR PATTERN is USER.	
DISPLAY COLOR PATTERN – LEVEL	PTDL	WR	0 255	0 255	Level of colour pattern Respond ERR excluding if DISPLAY COLOR PATTERN is WHITE, RED, GREEN, or BLUE.	
USB-C SETTING	USBC	WR	0 1	0 1	0: DP 2 Lane (Recommended), 1: DP 4 Lane / USB2.0	●
RESET	ARST	W	2		PICTURE RESET	—

1. These commands can’t be used in standby state when “POWER SAVE MODE” is “ON”.

AUDIO menu

Function	Command	Direction	Parameter	Reply	Control/Response contents	*
AUDIO MODE	AUMO	WR	0 3	0 3	0: STD, 1: CONFERENCING, 2: SIGNAGE, 3: CUSTOM	
VOLUME	VOLM	WR	0 31	0 31		
TREBLE	AUTR	WR	-5 5	-5 5		●
BASS	AUBS	WR	-5 5	-5 5		
BALANCE	AUBL	WR	-10 10	-10 10		
MUTE	MUTE	WR	0 1	0 1	0: OFF, 1: ON	○
AUDIO OUTPUT	AOUT	WR	0 2	0 2	0: VARIABLE1, 1: FIXED, 2: VARIABLE2	
MONAURAL AUDIO	MONO	WR	0 1	0 1	0: OFF, 1: ON	●
MUTE WITH FREEZE	FRAO	WR	0 1	0 1	0: OFF, 1: ON	
RESET	ARST	W	3		AUDIO RESET	—

MULTI / PIP menu

Function		Command	Direction	Parameter	Reply	Control/Response contents	*
	MODES	MWIN	WR	0 3	0 3	0: OFF, 1: PIP, 2: PbyP, 3: PbyP2	
	SIZE	MPSZ	WR	1 64	1 64		
	H-POS	MHPS	WR	0 100	0 100		
	V-POS	MVPS	WR	0 100	0 100		
	Package PIP position	MPOS	WR	xxxyyy	xxxyyy	xxx: : H-POS 0 100, yyy: V-POS 0 100	

PIP/ PbyP	PIP BLEND	MWBL	WR	0 7	0 7		
	PIP SOURCE	MWIP	WR	10	10	HDMI1	●
				13	13	HDMI2	
				14	14	DisplayPort	
				21	21	OPTION	
				27	27	USB-C	
	SOUND CHANGE	MWAD	WR	1 2	1 2	1: MAIN, 2: SUB	
	MAIN POS	MWPP	WR	0 1	0 1	0: POS1, 1: POS2	
	PbyP2 POS	MW2P	WR	0 2	0 2	0: POS1, 1: POS2, 2: POS3	
QUAD- SCREEN	MODE	MSCS	WR	1,4	1,4	1: OFF, 4: ON	△
	POSITION1 INPUT SIGNAL	MSP1	WR	0 10 13 14 21 27	0 10 13 14 21 27	AUTO HDMI1 HDMI2 DisplayPort OPTION USB-C	●
	POSITION1 INPUT SIGNAL	MSP2	WR				
	POSITION1 INPUT SIGNAL	MSP3	WR				
	POSITION1 INPUT SIGNAL	MSP4	WR				
	AUTO INPUT SEL. DisplayPort	MPDP	WR	0 10	0 10	0: Not applicable, 1 10: priority	
	AUTO INPUT SEL. HDMI1	MPH1	WR	0 10	0 10	0: Not applicable, 1 10: priority	
	AUTO INPUT SEL. HDMI2	MPH2	WR	0 10	0 10	0: Not applicable, 1 10: priority	
	AUTO INPUT SEL. USB-C	MPUS	WR	0 10	0 10	0: Not applicable, 1 10: priority	
	SAVE THE LAST INPUT CONFIG	MSLI	WR	0 1	0 1	0: OFF, 1: ON	

	TARGET : SOUND / INPUT SEL.	MSAO	WR	1 4	1 4	1: POSTION1 INPUT, 2: POSTION2 INPUT, 3: POSTION3 INPUT, 4: POSITION4 INPUT	

TOUCH PANEL menu

Function	Command	Direction	Parameter	Reply	Control/Response contents	*
TOUCH INPUT SELECT (DisplayPort)	USDP	WR	0 2	0 2	0: Not applicable, 1: TOUCH PANEL, 2: USB-C	•
TOUCH INPUT SELECT (HDMI1)	USHD	WR	0 2	0 2	0: Not applicable, 1: TOUCH PANEL, 2: USB-C	
TOUCH INPUT SELECT (HDMI2)	USH2	WR	0 2	0 2	0: Not applicable, 1: TOUCH PANEL, 2: USB-C	
TOUCH INPUT SELECT (USB-C)	USUC	WR	0 2	0 2	0: Not applicable, 1: TOUCH PANEL, 2: USB-C	
TOUCH INPUT SELECT (OPTION)	USOP	WR	0, 3	0, 3	0: Not applicable, 3: OPTION	
TOUCH OUTPUT INVALID ICON	TOPI	WR	0 1	0 1	0: OFF, 1: ON	
TOUCH OUTPUT INVALID ICON POSITION	TOIP	WR	0 3	0 3	0: UPPER RIGHT, 1: UPPER LEFT, 2: LOWER RIGHT, 3: LOWER LEFT	
TOUCH OPERATION MODE	TOMD	WR	0 2	0 2	0: AUTO, 1: TOUCH SCREEN MODE, 2: MOUSE MODE	
TOUCH PANEL MODE	GMDP	WR	0 1	0 1	0: OFF, 1: ON	
TOUCH OPERATION	TPEN	WR	0 1	0 1	0: Touch Panel Disable, 1: Touch Panel Enable	—

Administrator menu

Function	Command	Direction	Parameter	Reply	Control/Response contents	*
LANGUAGE	LANG	WR	1	1	Germany	
			2	2	French	
			3	3	Italian	
			4	4	Spanish	
			6	6	Japanese	
			7	7	Chinese	
			14	14	English	
DATE/TIME SETTING	DATE	WR	YYMMDDhhmm	YYMMDDhhmm	YY: Year, MM: month, DD: Day. hh: Hour, mm: Minute	
TIME ZONE	TIZO	WR	0 48	0 48	0: UTC -12: 00 1: UTC -11: 30 23: UTC -0;30 24: UTC -0: 00 25: UTC +0: 30 47: UTC +11: 30 48: UTC +12: 00	●
INTERNET TIME SERVER	INTS	WR	0 1	0 1	1: OFF, 1: ON	

Function		Command	Direction	Parameter	Reply	Control/Response contents	*
INTERNET TIME SERVER ADDRESS		TSAD	WR	ASCII strings up	ASCII strings up	Time server name with a maximum of 128 characters	
				to 128	to 128		
				characters	characters		
DATE FORMAT		DTFT	WR	0 2	0 2	0: YYYY/MM/DD, 1: MM/DD/YYYY, 2: DD/MM/YYYY	
TIME FORMAT		TMFT	WR	0 1	0 1	0: 24-hour clock, 1: 12-hour clock	
DAYLIGHT	SETTING	DLSA	WR	0 1	0 1	0: OFF, 1: ON	

SAVING	BEGIN MONTH	DSBM	WR	1 12	1 12	1: Jan. … 12: Dec.	
	BEGIN DAY (WEEKS)	DSBW	WR	0 4	0 4	0: FIRST WEEK, 1: SECOND WEEK, 2: THIRD WEEK,	
						3: 4th WEEK, 4: FINAL WEEK	
	BEGIN DAY OF WEEK	DSBD	WR	0 6	0 6	0: Monday … 6: Sunday	
	BEGIN TIME	DSBT	WR	0 23	0 23	0: 00:00 … 23: 23:00	
	END MONTH	DSEM	WR	1 12	1 12	1: Jan. … 12: Dec.	
	END DAY (WEEKS)	DSEW	WR	0 4	0 4	0: FIRST WEEK, 1: SECOND WEEK, 2: THIRD WEEK,	
						3: 4th WEEK, 4: FINAL WEEK	
	END DAY OF WEEK	DSED	WR	0 6	0 6	0: Monday … 6: Sunday	
	END TIME	DSET	WR	0 23	0 23	0: 00:00 … 23: 23:00	
	TIME DIFFERENCE	DSTD	WR	22 26	22 26	22: -1:00, 23: -0:30, 24: 0:00, 25: +0;30, 26: +1:00	
SCHEDULE		SC01	WR	ABCDEFFGGH	ABCDEFFGGH	SC01 No1 schedule … SC08 No8 schedule A: SCHEDULE Setting 0: OFF, 1: ON B: POWER 0: OFF, 1: ON C: WEEK1 0: one time, 1: every week, 2: everyday D: WEEK2 0: Sunday … 6: Saturday, 9: no setting E: WEEK3 0: Sunday … 6: Saturday, 9: no setting F: HOUR 00-23 G: MINUTE 00-59 H: INPUT 0: Current input 1: HDMI1 2: HDMI2 6: DisplayPort 8: OPTION A: USB-C	
		SC08					
BRIGHT OF SCHEDULE		SB01	WR	0 31,99	0 31,99	SB01 No1 schedule … SB08 No8 schedule Brightness setting of schedule. 0-31: Brightness value 99: Disable brightness setting	
		SB08					
PORTRAIT/LANDSCAPE INSTALL		STDR	WR	0 1	0 1	0: LANDSCAPE, 1: PORTRAIT	

HORIZONTAL INSTALLATION	MLAY	WR	0 1	0 1	0: OFF, 1: FACE UP	
OSD DISPLAY	LOSD	WR	0 2	0 2	0: OSD ON1, 1: OSD OFF, 2: OSD ON2	
OSD H-POS	OSDH	WR	0 100	0 100		●
OSD V-POS	OSDV	WR	0 100	0 100		
POWER INDICATOR	OFLD	WR	0 1	0 1	0: LED ON, 1: LED OFF	
LOGO SCREEN	BTSC	WR	0 1	0 1	0: OFF, 1: ON	
Remote control No.	RCNO	WR	0 9	0 9		
INPUT MODE NAME DisplayPort	INDP	WR	0 30	0 30	0: NO SETTING, 1: PC1, 2: PC2, 3: PC3, 4: TV, 5: VIDEO, 6: DVD,	
INPUT MODE NAME HDMI1	INH1	WR			7: HDD, 8: DVR, 9: BD, 10: CAMERA, 11: DOCUMENT CAMERA	
INPUT MODE NAME HDMI2	INH2	WR			12: VIDEO CAMERA, 13: VIDEO CONFERENCE, 14: WIRELESS,	
INPUT MODE NAME OPTION	INOP	WR			15: STB, 16: CONTROLLER, 17: COMPOSITE, 18: COMPONENT,	
INPUT MODE NAME USB-C	INUC	WR			19: RGB, 20: INPUT1, 21: INPUT2, 22: INPUT3, 23: INPUT4, 24: INPUT5, 25: INPUT6, 26: SATELLITE, 27: CABLE, 28: CAMCORDER, 29: TABLET, 30: SURVEILLANCE CAMERA	
INPUT MODE NAME CUSTOM 1	IN1E	WR	ASCII strings up to	ASCII strings up to	Valid characters are half-width alphanumeric characters and symbols	
INPUT MODE NAME CUSTOM 2	IN2E	WR	18 characters	18 characters	For setting, write “” before and after the character to be set.	
INPUT MODE NAME CUSTOM 3	IN3E	WR			Example: “ABCD”	
INPUT MODE NAME CUSTOM 4	IN4E	WR				
INPUT MODE NAME CUSTOM 5	IN5E	WR				
INPUT MODE NAME CUSTOM 6	IN6E	WR				
CONNECT AUTO INPUT SELECT	AICO	WR	0 1	0 1	0: OFF, 1: ON	

NO SIGNAL AUTO INPUT SEL.	AINO	WR	0 1	0 1	0: OFF, 1: ON	
AUTO INPUT SELECT PRIORITY	APDP	WR	0 10	0 10	0: Not applicable, 1 10: priority	
DisplayPort						
AUTO INPUT SELECT PRIORITY HDMI1	APH1	WR	0 10	0 10	0: Not applicable, 1 10: priority	
AUTO INPUT SELECT PRIORITY HDMI2	APH2	WR	0 10	0 10	0: Not applicable, 1 10: priority	
AUTO INPUT SELECT PRIORITY	APOP	WR	0 10	0 10	0: Not applicable, 1 10: priority	
OPTION						
AUTO INPUT SELECT PRIORITY USB-C	APUC	WR	0 10	0 10	0: Not applicable, 1 10: priority	
HDMI CEC LINK	CELK	WR	0 1	0 1	0: OFF, 1: AUTO	
CEC POWER CONTROL LINK	ATPO	WR	0 1	0 1	0: DISABLE, 1: ENABLE	
CEC AUDIO RECEIVER	AURE	WR	0 1	0 1	0: DISABLE, 1: ENABLE	
START INPUT MODE	SUIM	WR	1 4,10,27	1 4,10,27	1: LAST INPUT, 2: DisplayPort, 3: HDMI1, 4: HDMI2,	
					10: OPTION, 27: USB-C	
LOCK USB-C SETTING	LKUC	WR	0 1	0 1	0: OFF, 1: ON (Disable changing USB-C SETTING in PICTURE menu.)	
CONTROL FUNCTION COMMAND (LAN)	CFCL	WR	0 1	0 1	0: OFF, 1: ON	
CONTROL FUNCTION COMMAND	CFCR	WR	0 1	0 1	0: OFF, 1: ON	
(RS232-C)						

Function	**Command**	**Direction**	**Parameter**	**Reply**	**Control/Response contents**	*
CONTROL FUNCTION COMMAND (HTTP SERVER)	CFHS	WR	0 1	0 1	0: OFF, 1: ON	
POWER MANAGEMENT	PMNG	WR	0 1	0 1	0: OFF, 1: ON	•

POWER SAVE MODE		STBM	WR	0 1	0 1	0: OFF, 1: ON	
QUICK START		QUST	WR	0 1	0 1	0: OFF, 1: ON	● *2
POWER ON DELAY		PODS	WR	0 1	0 1	0: OFF, 1: ON	
INTERVAL of POWER ON DELAY		PWOD	WR	0 60	0 60	INTERVAL of POWER ON DELAY (second)	
ADJUSTMENT LOCK		ALCK	WR	0 2	0 2	0: OFF, 1: ON1, 2: ON2	
ADJUSTMENT LOCK TARGET		ALTG	WR	0 2	0 2	0: REMOTE CONTROL, 1: MONITOR BUTTON, 2: BOTH	
TEMPERATURE ALERT		TALT	WR	0 2	0 2	0: OFF, 1: OSD & LED, 2: LED	
STATUS ALERT		SALT	WR	0 2	0 2	0: OFF, 1: OSD & LED, 2: LED	●
USB PORT FOR SERVICE		UPFS	WR	0 1	0 1	0: OFF, 1: ON	
SIGNAL RESPONSE LEVEL		HDUC	WR	1 200	1 200		
MULTIPLE DISPLAY MODE		MPDM	WR	0 1	0 1	0: OFF, 1: ON	
OPTION SLOT	POWER CONTROL	CPOW	WR	0	0	POWER OFF	△
			WR	1	1	POWER ON	
			W	5555		FORCE POWER OFF	
			W	9999		RESET	
	AUTO SHUTDOWN	CCOP	WR	0 1	0 1	0: OFF, 1: ON	
	AUTO DISPLAY OFF	OPAD	WR	0 1	0 1	0: OFF, 1: ON	
	SIGNAL SELECT	OASS	WR	0 2	0 2	0: AUTO, 1: DisplayPort, 2: TMDS	

	INTERFACE CAPABILITY	OAIC	R	0 3	0 3	0: NONE, 1: DisplayPort, 2: TMDS, 3: DisplayPort, TMDS	●
Model		INF1	R		Model name		
Serial no.		SRNO	R		Serial no		

- This command can’t use when “POWER SAVE MODE” is “ON”

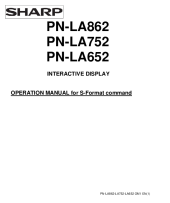
Function menu

Function	Command	Direction	Parameter	Reply	Control/Response contents	*
All Reset	RSET	W	0 1		0: All reset 1, 1: All reset 2	—

Others

Function	Command	Direction	Parameter	Reply	Control/Response contents	*
SIZE	WIDE	WR	1 4	1 4	1: WIDE, 2: Normal, 3: Dot by Dot, 4: Zoom	●
FREEZE	FRMD	WR	0 1	0 1	0: OFF, 1: ON	—
Check the resolution	PXCK	R		–	Returns current resolution in the form of hhh , vvv.	
TEMPERATURE MONITOR	DSTA	R		0 4	0: Normal, 1: Abnormal (Power OFF), 2: Abnormal (Currently normal, but temperature abnormality occurs during use) 3: Abnormal (Low backlight brightness condition) 4: Temperature sensor abnormal	
TEMPERATURE READ	ERRT	R		Value	Temperature	
LAST POWER OFF REASON	STCA	RW	0	0	Initialize	●
		R		1	Power OFF by remote controller or main button	
		R		2	AC OFF	
		R		3	Power OFF by RS-232C/LAN	
		R		4	Standby by No Signal	
		R		6	Power OFF by temperature abnormal	
		R		8	Power OFF by schedule	
		R		10	Power OFF by HDMI CEC	
		R		11	Power OFF by Crestron	
		R		12	Power OFF by No Signal	
		R		21	Auto Backlight Off by Motion sensor	

Documents / Resources

	**SHARP LA862 Interactive Display** [pdf] Instruction Manual LA862 Interactive Display, LA862, Interactive Display, Display

References

- **User Manual**