



Partner: Sharp Electronics
Model: SD-WH1000U
Device Type: Player

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sharp SD-WH1000U
CATEGORY:	Miscellaneous
VERSION:	1.0 Initial Release
SUMMARY:	Full control of the Sharp WH-1000U via IP
GENERAL NOTES:	This module controls the WH-1000U via IP
CRESTRON HARDWARE REQUIRED:	C2ENET-1/2
SETUP OF CRESTRON HARDWARE:	TCP/IP Port 10002
VENDOR FIRMWARE:	HE14122002
VENDOR SETUP:	Not Applicable



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CONTROL:

Power_On	D	Pulse to turn the player on
Power_Off	D	Pulse to turn the player off
Player/Disk/File/Net	D	Selects the player Source
HDMI 1	D	Selects HDMI 1 Input
HDMI 2	D	Selects HDMI 2 Input
HDMI 3/MHL_IN	D	Selects HDMI 3/MHL Input
TV_Arc_In	D	Selects TV Arc Input
Optical	D	Selects Optical Input
Coaxial_In	D	Selects the Coaxial Input
USB_Audio_In	D	Selects the USB Input
Open/Close	D	Open/Close disk tray
Previous_Chapter	D	Previous disk chapter
Reverse	D	Skip backward
Play	D	Play disk
Pause	D	Pause disk play
Stop	D	Stop disk
Forward	D	Skip forward
Next_Chapter	D	Next disk chapter
Replay	D	Replay option for player
Top_Menu	D	Recalls top menu



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Pop_Up_Menu	D	Recalls pop up menu
Up	D	Keypad Up
Down	D	Keypad Down
Left	D	Keypad Left
Right	D	Keypad Right
Enter	D	Keypad Enter
Exit	D	Keypad Exit
Return	D	Keypad Return
Picture in Picture	D	Changes Picture in Picture Options
Setup	D	Enters Player Setup Mode
Function	D	Changes Player Function
Subtitle	D	Scrolls through Disks Subtitles
Angle	D	Changes available camera angles
Display	D	Changes available display options
Keypad 0-9	D	Represents keypad buttons 0 thru 9
Red/ A	D	Red button function
Green/ B	D	Green button function
Blue/ C	D	Blue button function
Yellow/ D	D	Yellow button function
Volume_Up	D	Increments players Volume up
Volume_Down	D	Increments players Volume down



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Mute_Audio_Toggle	D	Toggles audio mute
Unmute_Audio	D	Unmutes Audio
Mute_Audio	D	Mutes Audio
Audio	D	Changes the Audio Mode
Direct Profile	D	Direct Profile Equalization
Standard Profile	D	Standard Profile Equalization
Mode 1 Profile	D	Mode 1Equalization
Mode 2 Profile	D	Mode 2Equalization
Mode 3 Profile	D	Mode 3Equalization
Line Out Mode	D	Changes audio mode to Line Out
Volume Control	D	Changes audio mode to dynamic volume control
Repeat Mode Off	D	Allows no repeat function
Repeat Mode Chapter	D	Sets Repeat Mode to Chapter
Repeat Mode Track	D	Sets Repeat Mode to Track
Repeat Mode All	D	Sets Repeat Mode to All
Dimmer Off	D	Turns front panel off
Dimmer Level 1	D	Turns front panel to dim level 1
Dimmer Level 2	D	Turns front panel to dim level 2
Dimmer Level 3	D	Turns front panel to dim level 3
TCP Rx	S	This is the received information from the device for the module to process



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FEEDBACK:

Power_Is_On	D	Device is Powered On
Power_Is_Off	D	Device is Powered Off
Player_FB	D	Device is in Player mode
HDMI 1_FB	D	Device is on HDMI 1 input
HDMI 2_FB	D	Device is on HDMI 2 input
HDMI 3/MHL_FB	D	Device is on HDMI 3
TV_Arc_In_FB	D	Device is in TV Arc In input
Optical_FB	D	Device is on Optical input
Coaxial_In_FB	D	Device is on Coaxial input
USB_Audio_FB	D	Device is on USB input
No_Disk_FB	D	Device has no disk inserted
BD_MV_FB	D	BD_MV Disk is in the player
DVD-Video_FB	D	DVD-Video Disk is in the player
SACD_FB	D	SACD Disk is in the player
CDDA_FB	D	CDDA Disk is in the player
DATA-CD_FB	D	DATA-CD Disk is in the player
DATA-DVD_FB	D	DATA-DVD Disk is in the player
DATA-BD_FB	D	DATA-BD Disk is in the player
AVCHD_FB	D	AVCHD Disk is in the player
BD-AV_FB	D	BD-AV Disk is in the player



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Volume_Level	A	Player Output Volume
Audio_Unmuted	D	Player audio is unmuted
Audio_Muted	D	Player audio is muted
Direct Profile_FB	D	Standard Sound Equalization
Standard Profile_FB	D	Cinema Sound Equalization
Mode 1 Profile_FB	D	News Sound Equalization
Mode 2 Profile_FB	D	Music Sound Equalization
Mode 3 Profile	D	Jazz Sound Equalization
LINE_OUT_FB	D	Audio mode is set to Line Out
VOLUME_CONTROL_FB	D	Audio mode is set to volume control
REPEAT_OFF_FB	D	Repeat mode is set to off
REPEAT_CHAPTER_FB	D	Repeat mode is set to Chapter
REPEAT_TITLE_FB	D	Repeat mode is set to Title
REPEAT_ALL_FB	D	Repeat mode is set to All
TCP_Tx\$	S	Module Output



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TESTING:

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	2.12.44
DEVICE DB USED FOR TESTING:	31.05.005.00
CRES DB USED FOR TESTING:	23.05.010.01
SYMBOL LIBRARY USED FOR TESTING:	690
SAMPLE PROGRAM:	Sharp SD-WH-1000-IP
REVISION HISTORY:	v1.0 – Initial Release