

Partner: Samsung
Model: UN55ES8000
Device Type: TV

**GENERAL INFORMATION**

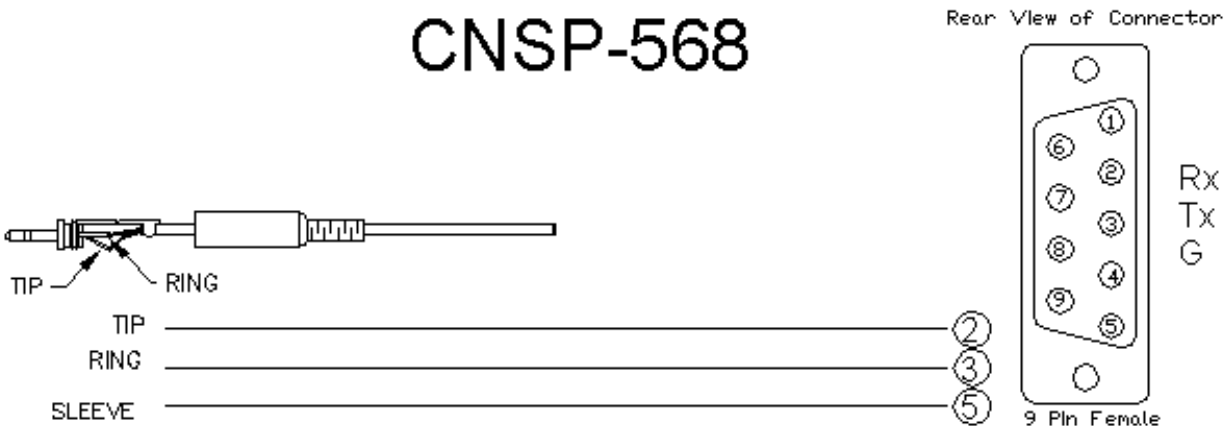
SIMPLWINDOWS NAME:	Samsung UN55ES8000 v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module will control the Samsung UN55ES8000 LED TV via RS-232 using the EX-LINK port.
GENERAL NOTES:	<p>This module utilizes the Samsung protocol for most of the 2012 TV models. The following TVs will also be supported:</p> <p>ES9000 Series:</p> <ul style="list-style-type: none">• UN75ES9000 <p>ES8000 Series:</p> <ul style="list-style-type: none">• UN46ES8000• UN55ES8000• UN60ES8000• UN65ES8000 <p>ES7550 Series:</p> <ul style="list-style-type: none">• UN46ES7550• UN55ES7550• UN60ES7550 <p>ES7500 Series:</p> <ul style="list-style-type: none">• UN46ES7500• UN55ES7500• UN60ES7500 <p>Plasma models:</p> <ul style="list-style-type: none">• PN51E7000• PN60E7000• PN64E7000• PN51E8000• PN60E8000• PN64E8000 <p>Some of the functions (3D, certain source selections) will not be available on all models. See the specific TV model's manual for details.</p> <p>This module is System Builder compatible.</p>
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM-* or CNX-COM2, 2-Series processor, 3-Series processor
SETUP OF CRESTRON HARDWARE:	RS232 Baud:9600 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	v1019.4

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VENDOR SETUP:	N/A
CABLE DIAGRAM:	CNSP-568

CNSP-568



CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn power on or off.
Volume_<Up/Down>	D	Press to adjust volume directly (volume gauge will display value. One way)
Volume_Direct_In	A	Send analog value from 1d to 100d for preset volume levels.
Volume_<Up/Down>_Indirect	D	Press to adjust volume indirectly.
Mute_Toggle	D	Pulse to turn mute on or off.
<ATV/DTV>	D	Pulse to enable analog or digital tv channel commands.
Channel_KP_<0-9/->	D	Pulse to select channel to request.
Channel_KP_Clear	D	Pulse to clear channel to request.
Channel_Send	D	Pulse to send channel request.
Channel_<Up/Down>	D	Press to increase or decrease channel.
Input_*	D	Pulse to select desired input.
Menu	D	Pulse to select menu functions.
<Up/Down/Left/Right>	D	Pulse to navigate through menu or OSD.

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Enter	D	Pulse to select function in menu or OSD.
Exit	D	Pulse to exit menu or menu selection.
Return	D	Pulse to go back one menu level.
Red	D	Pulse to select red function.
Green	D	Pulse to select green function.
Yellow	D	Pulse to select yellow function.
Blue	D	Pulse to select blue function.
Tools	D	Pulse to select tools menu.
Info	D	Pulse to get info on current selection.
Internet	D	Pulse to select internet access.
Yahoo	D	Pulse to select Yahoo functions.
Mode_*	D	Pulse to select desired display mode.
Aspect_*	D	Pulse to select desired aspect.
Motion_Lighting_<On/Off>	D	Pulse to enable or disable motion lighting.
LED_Motion_Plus_*	D	Pulse to select desired LED motion plus setting
Auto_Motion_Plus_*	D	Pulse to select desired auto motion plus setting
3D_Mode_	D	Pulse to select desired 3D mode.
*3D_View_Point_<Up/Down>	D	Press to adjust 3D view point.
*3D_Depth_<Up/Down>	D	Press to adjust 3D depth.
*3D_3D->2D_<On/Off>	D	Pulse to enable or disable 3D to 2D conversion.
3D_Auto_View_	D	Pulse to set 3D auto view setting.
*3D_Picture_Correction	D	Pulse for 3D picture correction.
Auto_Volume_*	D	Pulse to set desired auto volume setting.
OSD_<Show/Hide>	D	Pulse to enable or disable on screen display.

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FEEDBACK:

Power_Is_<On/Off>	D	Indicates the power status.
Volume_Text	S	Indicates the volume level.
Volume_Gauge	A	Indicates volume level for gauge object on touchpanel.
Channel_Text	S	Indicates channel being requested. Will clear after command sent to TV.
Mute_Is_<On/Off>	D	Indicates that mute is on.
Analog_TV_Is_Enabled	D	Indicates that analog TV commands are enabled.
Digital_TV_Is_Enabled	D	Indicates that digital TV commands are enabled.
Input_Is_*	D	Indicates the currently selected input.
Mode_Is_*	D	Indicates that the current mode.
Aspect_Is_*	D	Indicates that the current aspect.
3D_Mode_Is_	D	Indicates that current 3D mode.
To_Device	D	Serial data signal to be routed to a 2 way com port.

TESTING:

OPS USED FOR TESTING:	v4.003.0015
SIMPL WINDOWS USED FOR TESTING:	3.11.15
DEVICE DB USED FOR TESTING:	43.05.006.00
CRES DB USED FOR TESTING:	32.00.001.00
SYMBOL LIBRARY USED FOR TESTING:	814
SAMPLE PROGRAM:	2-Series: Samsung UN55ES8000 v1.0 Demo PRO2 3-Series: Samsung UN55ES8000 v1.0 Demo MC3
REVISION HISTORY:	v1.0 – Initial Release