

ANALOG WAY  
 LiveCore™ – Crestron 2-series & 3-series  
 MODULE SCREEN

### CONTACT SUPPORT

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<b>NOTES:</b>	Driver version V3.01, compatible with LiveCore™ Firmware v4.00.x or above
<b>HAND-IN DATE:</b>	January 3, 2017

### GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	LiveCore_screen_V3.01
<b>CATEGORY:</b>	Logic
<b>VERSION:</b>	Driver version V3.01
<b>SUMMARY:</b>	This is an optional module for controlling LiveCore™ series processors. It allows you to control the standard features of one single screen declared in your setup. Therefore, one SCREEN module must be implemented in your project for each screen declared in your setup.
<b>GENERAL NOTES:</b>	
<b>CRESTRON HARDWARE REQUIRED:</b>	3-series processor
<b>SETUP OF CRESTRON HARDWARE:</b>	
<b>VENDOR FIRMWARE:</b>	LiveCore™ firmware v4.00.x or above
<b>VENDOR SETUP:</b>	
<b>CABLE DIAGRAM:</b>	TCP-IP

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**CONTROL: Inter\_connect\_Modules**

From_Module_Main	S	To be connected to the main module (LiveCore_Main)
Refresh_All	D	Pulse for module initialization

**CONTROL: General**

Screen_Refresh_PB	D	Pulse to update screen status
Screen1_Take_PB	D	TAKE (according to selected mode on the device)
Screen1_TBar_Set	A	TBAR control (0% TBAR is down, 100% TBAR is up)
Background_Input_For_Prev_Sel	A	Background selection for Preview (1 to 4)
Background_Input_For_Main_Sel	A	Background selection for Program (1 to 4)

**CONTROL: Check Layer - X is the layer index (1=>24)**

Check_LX_infos_PB	D	Pulse to update layer X status
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**CONTROL: Prev Layer**  
**X is the layer index (1=>24)**  
**Y is Program or Preview**

LX_Input_For_Y_Sel	A	Input selection for layer X on destination Y
LX_Border_Off_For_Y_PB	D	Pulse to hide border on layer X for destination Y
LX_Border_Edge_For_Y_PB	D	Pulse to enable border 'edge' on layer X for destination Y
LX_Border_Smoth_For_Y_PB	D	Pulse to enable border 'smooth' on layer X for destination Y
LX_Border_Smoth_Edge_For_Y_PB	D	Pulse to enable border 'smooth edge' on layer X for destination Y
LX_Border_Shadow_Edge_For_Y_PB	D	Pulse to enable border 'shadow edge' on layer X for destination Y

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### FEEDBACK: Inter\_connect\_Modules

To_Module_Main	S	To be connected to the main module (LiveCore_Main)
Message_Txt	S	Status message to be displayed in user interface. To be connected to the main module (LiveCore_Main)
Refresh_In_Progress_FB	D	Module initialization in progress
Refresh_All_OS	D	To be connected to next module for daisy chain initialization
Screen_Available_FB	D	1 if screen is valid (for the main module)

### FEEDBACK: General

Screen1_Is_PL_FB	D	1 if screen is set to perspective layer mode
Screen1_Z_Mixing_Status_FB	D	1 if screen Z mixing is active
Screen_Name_FB	S	Screen label (16 char. Max)
Screen_Width_FB	A	Screen width (pixel)
Screen_Height_FB	A	Screen height (pixel)
Screen_NB_L_Valid_FB	A	Number of valid layers
Screen_Take_FB	D	1 if TAKE is in progress
Screen_TBar_FB	A	TBAR position
Background_Input_For_Prev_FB	A	Background selected for Preview (1 to 4)
Background_Input_For_Main_FB	A	Background selected for Program (1 to 4)

### PARAMETERS

Number_Screen_0-7	Param	Screen number controlled by this module (1 module per screen)
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