

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

## CONTACT SUPPORT

COMPANY NAME:	ANALOG WAY
SUPPORT CONTACT:	-
EMAIL ADDRESS:	<a href="mailto:techsupport@analogway.com">techsupport@analogway.com</a> (Europe, Middle East and Africa) <a href="mailto:techsupport@analogwayusa.com">techsupport@analogwayusa.com</a> (Americas) <a href="mailto:techsupport@analogwayasia.com">techsupport@analogwayasia.com</a> (Asia Pacific)
PHONE:	+33 1 81 89 08 76 (Europe, Middle East and Africa) +1 212 269 1902 (Americas) +65 6292 5800 (Asia Pacific)
ADDRESS:	Analog Way SAS 2/4 rue Georges Besse 92160 Antony - France
NOTES:	Driver version V3.00, compatible with LiveCore™ Firmware v4.00.x or above
HAND-IN DATE:	April 06, 2016

## GENERAL INFORMATION

SIMPLWINDOWS NAME:	LiveCore_GPIO_V3.00
CATEGORY:	Logic
VERSION:	Driver version V3.00
SUMMARY:	This is an optional module for controlling LiveCore™ series processors. It allows control of GPI and GPO available on: <ul style="list-style-type: none"> <li>- a LiveCore™ processor (master device)</li> <li>- a LiveCore™ processor (master device) and a LiveCore™ Expansion module (slave device)</li> <li>- a LiveCore™ processor (master device) and a compatible LiveCore™ processor linked together (slave device)</li> </ul> <p>Important: One single GPIO module must be included even if you intend to control GPIO of a secondary device.</p>
GENERAL NOTES:	
CRESTRON HARDWARE REQUIRED:	3-series processor
SETUP OF CRESTRON HARDWARE:	
VENDOR FIRMWARE:	LiveCore™ firmware v4.00.x or above
VENDOR SETUP:	
CABLE DIAGRAM:	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: GPIO\_IN - X is the screen index (1=>8)

GPIO_In_Master_Take_ScreenX_Toggle_PB	D	Include/exclude screen X in the list of screens that will execute a TAKE action when the GPI is activated on the Master LiveCore™ device
GPIO_In_Slave_Take_ScreenX_Toggle_PB	D	Include/exclude screen X in the list of screens that will execute a TAKE action when the GPI is activated on the Slave LiveCore™ device

### CONTROL: GPIO\_OUT - X is the GPO index (1=>5)

GPIO_OutX_Master_Toggle_PB	D	Activate/deactivate GPO X on the Master LiveCore™ device
GPIO_OutX_Master_Mode_Set	A	Mode selection for GPO X on the Master LiveCore™ device. See table below
GPIO_OutX_Slave_Toggle_PB	D	Activate/deactivate GPO X on the Slave LiveCore™ device
GPIO_OutX_Slave_Mode_Set	A	Mode selection for GPO X on the Slave LiveCore™ device. See table below

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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 status initialization in progress
Refresh_All_os	D	To be connected to next module for daisy chain initialization

### FEEDBACK : GPIO\_IN - X is the screen index (1=>8)

GPIO_In_Master_Available_FB	D	1 if GPI is available for Master LiveCore™ device
GPIO_In_Slave_Available_FB	D	1 if GPI is available for Slave LiveCore™ device
GPIO_In_Master_Take_ScreenX_FB	D	1 if GPI activation on the Master LiveCore™ device triggers a TAKE on screen X
GPIO_In_Slave_Take_ScreenX_FB	D	1 if GPI activation on the Slave LiveCore™ device triggers a TAKE on screen X

### FEEDBACK :GPIO\_OUT - X is the GPO index (1=>5)

GPIO_OutX_Master_Available_FB	D	1 if GPO X is available on the Master LiveCore™ device
GPIO_OutX_Master_Status_FB	D	1 if GPO X is activated on the Master LiveCore™ device
GPIO_OutX_Master_Mode_FB	A	Selected mode for GPO X on the Master LiveCore™ device. See table below
GPIO_OutX_Slave_Available_FB	D	1 if GPO X is available on the Slave LiveCore™ device
GPIO_OutX_Slave_Status_FB	D	1 if GPO X is activated on the Slave LiveCore™ device
GPIO_OutX_Slave_Mode_FB	A	Selected mode for GPO X on the Slave LiveCore™ device. See table below



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GPIO modes	
0	Free GPO Mode
1	Tally GPO Mode (GPO X changes during take event)
2	Tally GPO Mode (GPO X changes after take event)