ANALOG WAY LIVECORE™

Module: GPIO

Crestron 3-series

Date: **January 03, 2017**
Driver version: **V3.01**
Compatible with: **LiveCore™ Firmware v4.00.x or above**

GENERAL

This is an optional module for controlling LiveCore™ series processors. It allows control of GPI and GPO available on:

- a LiveCore™ processor (master device)
- a LiveCore™ processor (master device) and a LiveCore™ Expansion module (slave device)
- a LiveCore™ processor (master device) and a compatible LiveCore™ processor linked together (slave device)

Important: One single GPIO module must be included even if you intend to control GPIO of a secondary device.

CONNECTION

This module has to be connected to the main module (LiveCore_Main).

Control

Inter_connect_Modules

From_Module_Main	String_in	To be connected to the main module (LiveCore_Main)
Refresh_All	Digital_in	Pulse for module initialization
To_Module_Main	String_out	To be connected to the main module (LiveCore_Main)
Message_Txt	String_out	Status message to be displayed in user interface. To be connected to the main module (LiveCore_Main)
Refresh_In_Progress_FB	Digital_out	Module initialization in progress
Next_Module_Refresh_OS	Digital_out	To be connected to next module for daisy chain initialization

GPIO_In

X is the screen index (1=>8)

GPIO_In_Master_Take_ScreenX_Toggle_PB	Digital_in	Include/exclude screen X in/from 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	Digital_in	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
GPIO_In_Master_Available_FB	Digital_out	1 if GPI is available for Master LiveCore™ device
GPIO_In_Slave_Available_FB	Digital_out	1 if GPI is available for Slave LiveCore™ device
GPIO_In_Master_Take_ScreenX_FB	Digital_out	1 if GPI activation on the Master LiveCore™ device triggers a TAKE on screen X
GPIO_In_Slave_Take_ScreenX_FB	Digital_out	1 if GPI activation on the Slave LiveCore™ device triggers a TAKE on screen X

GPIO_Out

X is the GPO index (1=>5)

GPIO_OutX_Master_Toggle_PB	Digital_in	Activate/deactivate GPO X on the Master LiveCore^{TM} device
GPIO_OutX_Master_Mode_Set	Analog_in	Mode selection for GPO X on the Master LiveCore^{TM} device. See table below
GPIO_OutX_Master_Available_FB	Digital_out	1 if GPO X is available on the Master LiveCore^{TM} device
GPIO_OutX_Master_Status_FB	Digital_out	1 if GPO X is activated on the Master LiveCore^{TM} device
GPIO_OutX_Master_Mode_FB	Analog_out	Selected mode for GPO X on the Master LiveCore^{TM} device. See table below
GPIO_OutX_Slave_Toggle_PB	Digital_in	Activate/deactivate GPO X on the Slave LiveCore^{TM} device
GPIO_OutX_Slave_Mode_Set	Analog_in	Mode selection for GPO X on the Slave LiveCore^{TM} device. See table below
GPIO_OutX_Slave_Available_FB	Digital_out	1 if GPO X is available on the Slave LiveCore^{TM} device
GPIO_OutX_Slave_Status_FB	Digital_out	1 if GPO X is activated on the Slave LiveCore^{TM} device
GPIO_OutX_Slave_Mode_FB	Analog_out	Selected mode for GPO X on the Slave LiveCore^{TM} device. See table below

GPO mode

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