

ANALOG WAY LIVECORE

Module: MAIN

Crestron 2-series & 3-series

Date: **March 06, 2014**
Driver version: **V1.01**
Tested with: **LiveCore Firmware v01.02.x and v01.03.x**

GENERAL

This module is the main one for LiveCore series control. It has to be connected to all other optional modules you can find in the library. Even if you use only one optional module you do have to implement one main module in you project and only one.

IP CONNECTION

You have to implement one TCP-Client Crestron object in your project and connect it to the main module.

IP address: LiveCore machine IP address
Default port: **10500**

Control

Main

From_device	String_in	To be connected to TCP-IP client RX\$
To_device	String_out	To be connected to TCP-IP client TX\$
Refresh_general_statut	Digital_in	To be pulsed for initialization after each TPC_IP connection
Statut_in_progress_FB	Digital_out	Module status refresh in progress
Refresh_next_module_os	Digital_out	To be connected to next module for daisy chain initialization

Inter_connect_screen_Modules

You can connect up to 8 LiveCore_Screen optional modules. To prevent processor overloading, you have to implement existing screens only, and only if screen is used (1 module per screen configured on the machine).

X is screen number (1=>8)

ScreenX_Available_FB	Digital_in	Screen validity (1 if valid)
From_Module_ScreenX	String_in	LiveCore_ScreenX module commands to LiveCore machine
Mess_Txt_From_Module_ScreenX	String_in	LiveCore_ScreenX module text status
To_Module_ScreenX	String_out	From TCP-IP client RX\$ to LiveCore_ScreenX module

Inter_connect_screen_Preset_Modules

You can connect up to 8 LiveCore_Preset optional modules. To prevent processor overloading, you have to implement existing screens only, and only if screen is used (1 module per screen configured on the machine).

X is the screen number (1=>8)

From_Module_ScreenX_Presets	String_in	Module_ScreenX_Presets module commands to LiveCore machine
Mess_Txt_From_Module_ScreenX_Presets	String_in	Module_ScreenX_Presets module status text
To_Module_ScreenX_Presets	String_out	From TCP-IP client RX\$ to Module_ScreenX_Presets module

Inter_connect_Other_Modules

Optional modules connections. These connections are to be connected if corresponding optional modules are used.

From_Module_In	String_in	Module_In module commands to LiveCore machine
Mess_Txt_From_Module_In	String_in	Module_In module status text
To_Module_In	String_out	From TCP-IP client RX\$ to Module_In module
From_Module_Frame_logo	String_in	Module_Frame_logo module commands to LiveCore machine
Mess_Txt_From_Module_Frame_logo	String_in	Module_Frame_logo module status text
To_Module_Frame_logo	String_out	From TCP-IP client RX\$ to Module_Frame_logo module
From_Module_Presets_Filtering	String_in	Module_Presets_Filtering module commands to LiveCore machine
Mess_Txt_From_Module_Presets_Filtering	String_in	Module_Presets_Filtering module status text
To_Module_Presets_Filtering	String_out	From TCP-IP client RX\$ to Module_Presets_Filtering module
From_Module_Master_Presets	String_in	Module_Master_Presets module commands to LiveCore machine
Mess_Txt_From_Module_Master_Presets	String_in	Module_Master_Presets module status text
To_Module_Master_Presets	String_out	From TCP-IP client RX\$ to Module_Master_Presets module
NB_Screen_Available_FB	Ana_out	Number of valid screens. To be sent to LiveCore_Master_Presets module
Mess_Txt_From_Module_Snapshot	String_in	Module_Snapshot module status text

General

X is the output number (1=>8)

Type_RQ_PB	Digital_in	Pulse for machine type request
Cmd_Set_Ver_RQ_PB	Digital_in	Pulse for machine version request
Updater_Ver_RQ_PB	Digital_in	Pulse for Updater version request
Controlers_Count_RQ_PB	Digital_in	Pulse for controller count request
Shutdown_PB	Digital_in	Pulse to shutdown machine Caution: manual restart only
Reboot_PB	Digital_in	Machine reboot
User_Messages_TXT	String_out	User text messages (to be displayed)
Device_Type\$	String_out	Machine type
Cmd_Set_Ver\$	String_out	Machine version
Updater_Ver\$	String_out	Updater version
Controllers_Count_FB	Ana_out	Number of controllers
OutputX_Name_FB	String_out	OuptutX label