# ANALOG WAY LIVECORE

# Module: FILTERING

# Crestron 2-series & 3-series

Date: **Marc 6, 2014**
Driver version: **V1.01**
Tested with: **LiveCore Firmware v01.02.x and v01.03.x**

## GENERAL

This is an optional module for LiveCore series control.
It has been designed for filtering control as:
- Validity for scaler
- Validity for filters
- Feedback

## CONNECTION

This module has to be connected to LiveCore_Main module.

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# Control

## Inter_connect_Modules

| From_Module_Main | String_in | To be connected to LiveCore_Main module |
|---|---|---|
| Input_Refresh_All | Digital_in | Pulse for module initialize |
| To_Module_Main | String_out | To be connected to LiveCore_Main module |
| Message_Txt | String_out | LiveCore_Filtering  module text status<br>To be connected to LiveCore_Main module |
| Refresh_In_Progress_FB | Digital_out | Module status refresh in progress |
| Refresh_All_os | Digital_out | To be connected to next module for daisy chain initialization |

## Scaler

| Scaler_Enable_Toggle | Digital_in | Toggle Scaler |
|---|---|---|
| Scaler_Enable_FB | Digital_out | Scaler activity feedback |

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**Filter**

| | | |
|---|---|---|
| Filter_All_On_PB | Digital_in | Pulse to enable all filters |
| Filter_All_Off_PB | Digital_in | Pulse to disable all filters |
| Filter_All_On_FB | Digital_in | Feedback: all filters are enabled |
| Filter_All_Off_FB | Digital_out | Feedback: all filters are disabled |
| | | |
| Filter_Source_Tog | Digital_in | Pulse to toggle filter |
| Filter_Source_On_PB | Digital_in | Pulse to enable filter |
| Filter_Source_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Source_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Pos_Size_Tog | Digital_in | Pulse to toggle filter |
| Filter_Pos_Size_On_PB | Digital_in | Pulse to enable filter |
| Filter_Pos_Size_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Pos_Size_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Transparency_Tog | Digital_in | Pulse to toggle filter |
| Filter_Transparency_On_PB | Digital_in | Pulse to enable filter |
| Filter_Transparency_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Transparency_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Crop_Tog | Digital_in | Pulse to toggle filter |
| Filter_Crop_On_PB | Digital_in | Pulse to enable filter |
| Filter_Crop_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Crop_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Border_Tog | Digital_in | Pulse to toggle filter |
| Filter_Border_On_PB | Digital_in | Pulse to enable filter |
| Filter_Border_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Border_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Transition_Tog | Digital_in | Pulse to toggle filter |
| Filter_Transition_On_PB | Digital_in | Pulse to enable filter |
| Filter_Transition_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Transition_FB | Digital_out | Filter activity feedback |

| | | |
|---|---|---|
| Filter_Effects_Tog | Digital_in | Pulse to toggle filter |
| Filter_Effects_On_PB | Digital_in | Pulse to enable filter |
| Filter_Effects_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Effects_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Timing_Tog | Digital_in | Pulse to toggle filter |
| Filter_Timing_On_PB | Digital_in | Pulse to enable filter |
| Filter_Timing_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Timing_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Speed_Tog | Digital_in | Pulse to toggle filter |
| Filter_Speed_On_PB | Digital_in | Pulse to enable filter |
| Filter_Speed_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Speed_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Fly_Curve_Tog | Digital_in | Pulse to toggle filter |
| Filter_Fly_Curve_On_PB | Digital_in | Pulse to enable filter |
| Filter_Fly_Curve_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Fly_Curve_FB | Digital_out | Filter activity feedback |
| | | |
| Filter_Native_Tog | Digital_in | Pulse to toggle filter |
| Filter_Native_On_PB | Digital_in | Pulse to enable filter |
| Filter_Native_Off_PB | Digital_in | Pulse to disable filter |
| Filter_Native_FB | Digital_out | Filter activity feedback |