ANALOG WAY LIVECORE™

Module: MONITORING

AMX NETLINX

Date: **January 03, 2017**
Driver version: **V3.01**
Compatible with: **LiveCore™ Firmware v04.00.x or above**

GENERAL

This is an optional module for controlling LiveCore™ series processors. It allows you to control the standard features of a monitoring output for:

- a LiveCore™ processor (master device)
- a LiveCore™ Expansion module (slave device)
- a linked LiveCore™ processor (slave device) linked to a master device

One MONITORING module must be implemented in your project for each monitoring output controlled.

IMPLEMENTATION

To interface this module in an AMX program, the programmer must perform the following tasks:

- Include the LiveCore_Monitoring module in the main program and adjust specific parameters (see example program available with this package). Then implement one or two instances of this module (two if the program must also control the monitoring output of a slave LiveCore™ processor).

- Edit the file LiveCore_User_Definitions.axi: assign the value 1 to the variable LiveCore_*Monitoring1*_Usage (if the program controls the monitoring output of a Master device). Assign the value 1 to the variable LiveCore_*Monitoring2*_Usage (if the program also controls the monitoring output of a Slave device).

COMMANDS

Command Control

None

Channels

The channels supported by the MONITORING module are listed below.

Code channel	Description
1..8	Load a monitoring Preset from memory (channel 1 for Preset 1, channel 2 for Preset 2, …)
11	Enable Full Screen mode for monitoring output
12	Enable Mosaic mode for monitoring output
51..62	Select Mosaic active Widget (channel 51 for widget 1, channel 52 for widget 2, …)
255	Module initialization (automatically performed after being connected).
301..356	Source selection for Mosaic active Widget (channel 301 for source 1, channel 302 for source 2, …) -> See table below for values
401..456	Source selection for Mosaic Widget 1 (channel 401 for source 1, channel 402 for source 2, …) -> See table below for values
501..556	Source selection for Mosaic Widget 2 (channel 501 for source 1, channel 502 for source 2, …) -> See table below for values
601..656	Source selection for Mosaic Widget 3 (channel 601 for source 1, channel 602 for source 2, …) -> See table below for values

701..756	Source selection for Mosaic Widget 4 (channel 701 for source 1, channel 702 for source 2, …) -> See table below for values
801..856	Source selection for Mosaic Widget 5 (channel 801 for source 1, channel 802 for source 2, …) -> See table below for values
901..956	Source selection for Mosaic Widget 6 (channel 901 for source 1, channel 902 for source 2, …) -> See table below for values
1001..1056	Source selection for Mosaic Widget 7 (channel 1001 for source 1, channel 1002 for source 2, …) -> See table below for values
1101..1156	Source selection for Mosaic Widget 8 (channel 1101 for source 1, channel 1102 for source 2, …) -> See table below for values
1201..1256	Source selection for Mosaic Widget 9 (channel 1201 for source 1, channel 1202 for source 2, …) -> See table below for values
1301..1356	Source selection for Mosaic Widget 10 (channel 1301 for source 1, channel 1302 for source 2, …) -> See table below for values
1401..1456	Source selection for Mosaic Widget 11 (channel 1401 for source 1, channel 1402 for source 2, …) -> See table below for values
1501..1556	Source selection for Mosaic Widget 12 (channel 1501 for source 1, channel 1502 for source 2, …) -> See table below for values
1601..1656	Source selection for Full Screen mode (channel 1601 for source 1, channel 1602 for source 2, …) -> See table below for values

Levels

The channels supported by the MONITORING module are listed below.

Code level	Description
31	Source selection for Full Screen mode (1 => 56)
41..52	Source selection for Mosaic Widget (level 41 for Widget 1, level 42 for Widget 2, …)
53	Source selection for Mosaic active Widget (1 => 56)
54	Mosaic active Widget selection (1>=12)

FEEDBACKS

Channels

The channels supported by the MONITORING module are listed below.

Code channel	Description
9	Monitoring Preset load status
10	HDCP status for monitoring output
21..28	Preset monitoring availability (channel 21 for Preset 1, channel 22 for Preset 2, …)
255	Module initialization status
301..356	Source selected for Mosaic active Widget (channel 301 for source 1, channel 302 for source 2, …) -> See table below for values
401..456	Source selected for Mosaic Widget 1 (channel 401 for source 1, channel 402 for source 2, …) -> See table below for values
501..556	Source selected for Mosaic Widget 2 (channel 501 for source 1, channel 502 for source 2, …) -> See table below for values
601..656	Source selected for Mosaic Widget 3 (channel 601 for source 1, channel 602 for source 2, …) -> See table below for values
701..756	Source selected for Mosaic Widget 4 (channel 701 for source 1, channel 702 for source 2, …) -> See table below for values
801..856	Source selected for Mosaic Widget 5 (channel 801 for source 1, channel 802 for source 2, …) -> See table below for values
901..956	Source selected for Mosaic Widget 6 (channel 901 for source 1, channel 902 for source 2, …) -> See table below for values
1001..1056	Source selected for Mosaic Widget 7 (channel 1001 for source 1, channel 1002 for source 2, …) -> See table below for values
1101..1156	Source selected for Mosaic Widget 8 (channel 1101 for source 1, channel 1102 for source 2, …) -> See table below for values
1201..1256	Source selected for Mosaic Widget 9 (channel 1201 for source 1, channel 1202 for source 2, …) -> See table below for values
1301..1356	Source selected for Mosaic Widget 10 (channel 1301 for source 1, channel 1302 for source 2, …) -> See table below for values
1401..1456	Source selected for Mosaic Widget 11 (channel 1401 for source 1, channel 1402 for source 2, …) -> See table below for values
1501..1556	Source selected for Mosaic Widget 12 (channel 1501 for source 1, channel 1502 for source 2, …) -> See table below for values
1601..1656	Source selected for Full Screen mode (channel 1601 for source 1, channel 1602 for source 2, …) -> See table below for values

Levels

The channels supported by the MONITORING module are listed below.

Code level	Description
1..8	Maximum number of Mosaic widgets available in the system when a monitoring Preset index was created (level 1 for Preset 1, level 2 for Preset 2, …)
11..18	Monitoring output width (in pixel) defined for a monitoring Preset (level 11 for Preset 1, level 12 for Preset 2, …)
21..28	Monitoring output height (in pixel) defined for a monitoring Preset (level 21 for Preset 1, level 22 for Preset 2, …)
31	Source displayed by the monitoring output when Full Screen mode is enabled
41..52	Source selected for a Mosaic widget (level 41 for widget 1, level 42 for widget 2, …)
53	Source selected for Mosaic active Widget
54	Mosaic active widget index

Monitoring Sources (Full screen mode or Mosaic mode)

1	Input 1 of the Master device
2	Input 2 of the Master device
3	Input 3 of the Master device
4	Input 4 of the Master device
5	Input 5 of the Master device
6	Input 6 of the Master device
7	Input 7 of the Master device
8	Input 8 of the Master device
9	Input 9 of the Master device
10	Input 10 of the Master device
11	Input 11 of the Master device
12	Input 12 of the Master device
13	Input 1 of the Slave device
14	Input 2 of the Slave device
15	Input 3 of the Slave device
16	Input 4 of the Slave device
17	Input 5 of the Slave device
18	Input 6 of the Slave device
19	Input 7 of the Slave device
20	Input 8 of the Slave device
21	Input 9 of the Slave device
22	Input 10 of the Slave device
23	Input 11 of the Slave device
24	Input 12 of the Slave device
25	Frame 1 of the Master device
26	Frame 2 of the Master device
27	Frame 3 of the Master device
28	Frame 4 of the Master device

29	Frame 1 of the Master device
30	Frame 2 of the Master device
31	Frame 3 of the Master device
32	Frame 4 of the Master device
33	Logo 1 of the Master device
34	Logo 2 of the Master device
35	Logo 3 of the Master device
36	Logo 4 of the Master device
37	Logo 1 of the Master device
38	Logo 2 of the Master device
39	Logo 3 of the Master device
40	Logo 4 of the Master device
41	Program 1
42	Program 2
43	Program 3
44	Program 4
45	Program 5
46	Program 6
47	Program 7
48	Program 8
49	Preview 1
50	Preview 2
51	Preview 3
52	Preview 4
53	Preview 5
54	Preview 6
55	Preview 7
56	Preview 8