ANALOG WAY LIVECORE^{TM}

Module: SCREEN

AMX NETLINX

INTRODUCTION

This is an optional module for controlling LiveCore^{TM} series processors. It allows you to control the standard features of one single screen declared in your setup. Therefore, one SCREEN module must be implemented in your project for each screen declared in your setup.

IMPLEMENTATION

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

- Edit the file LiveCore_User_Definitions.axi and for each screen controlled on the LiveCore^{TM} processor, assign the value 1 to the corresponding variable LiveCore_*ScreenX*_Usage (where X is the controlled screen index).

- Include the LiveCore_Screen module in the main program and adjust specific module parameters (see example program available with this package). This module must be implemented as many times as the number of screens configured and controlled on the LiveCore^{TM} processor.

1

COMMANDS

Command Control

None

Channels

The channels supported by the SCREEN module are listed below.

Channel code	Description
1..24	Read layer X properties (channel 1 for layer 1, channel 2 for layer 2, …)
120	TAKE for this screen
255	Module initialization (automatically performed after being connected).

Levels

The channels supported by the SCREEN module are listed below.

Level code	Description
1..24	Select layer X border style on the Program (level 1 for layer 1, level 2 for layer 2, …) Values : -1 Disabled -2 Edge border -3 Smooth border -4 Smooth Edge border -5 Shadow Edge border
31..54	Select layer X border style on the Preview (level 31 for layer 1, level 32 for layer 2, …) Values : -1 Disabled -2 Edge border -3 Smooth border -4 Smooth Edge border -5 Shadow Edge border
60	Select native background source on the Program Values : -0 : Disabled -1 to 8 : Set1 to 8
61..84	Select input source on the Program (level 61 for layer 1, level 62 for layer 2, …) See table below for Source codes
90	Select native background source on the Preview Values : -0 : Disabled -1 to 8 : Set1 to 8
91..114	Select Input source on the Preview (level 91 for layer 1, level 92 for layer 2, …) See table below for Source codes
120	Set TBAR position (0 to 65535)

FEEDBACKS

Channels

The channels supported by the SCREEN module are listed below.

Channel code	Description
252	Screen Z mixing status
253	Perspective screen status
254	Screen availability
255	Module initialization status

Levels

The channels supported by the SCREEN module are listed below.

Level code	Description
130	TBAR position (0 to 65535)

Texts

The channels supported by the SCREEN module are listed below.

Address code	Description
1	Valid layers count
2	Screen height in pixels
3	Screen width in pixels
4	Screen label
21..44	Snapshot URL for layer X on the Program (address code 21 for layer 1, address code 22 for layer 2, …)
51..74	Snapshot URL for layer X on the Preview (address code 51 for layer 1, address code 52 for layer 2, …)

Sources

0	No input
1	Input 1 of In card 1 of Master Device
2	Input 2 of In card 1 of Master Device
3	Input 3 of In card 1 of Master Device
4	Input 4 of In card 1 of Master Device
5	Input 1 of In card 2 of Master Device
6	Input 2 of In card 2 of Master Device
7	Input 3 of In card 2 of Master Device
8	Input 4 of In card 2 of Master Device
9	Input 1 of In card 3 of Master Device
10	Input 2 of In card 3 of Master Device
11	Input 3 of In card 3 of Master Device
12	Input 4 of In card 3 of Master Device
13	Input 1 of In card 1 of Slave Device
14	Input 2 of In card 1 of Slave Device
15	Input 3 of In card 1 of Slave Device
16	Input 4 of In card 1 of Slave Device
17	Input 1 of In card 2 of Slave Device
18	Input 2 of In card 2 of Slave Device
19	Input 3 of In card 2 of Slave Device
20	Input 4 of In card 2 of Slave Device
21	Input 1 of In card 3 of Slave Device
22	Input 2 of In card 3 of Slave Device
23	Input 3 of In card 3 of Slave Device
24	Input 4 of In card 3 of Slave Device
25	Still picture 1 of master device
26	Still picture 2 of master device
27	Still picture 3 of master device
28	Still picture 4 of master device
29	Still picture 1 of slave device
30	Still picture 2 of slave device
31	Still picture 3 of slave device
32	Still picture 4 of slave device
33	Reduced still picture 1 of master device
34	Reduced still picture 2 of master device
35	Reduced still picture 3 of master device
36	Reduced still picture 4 of master device
37	Reduced still picture 1 of slave device
38	Reduced still picture 2 of slave device
39	Reduced still picture 3 of slave device
40	Reduced still picture 4 of slave device
41	Color (or Black) fill the PiP