ANALOG WAY LIVECORE^{TM}

Module: INPUTS

AMX NETLINX

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

INTRODUCTION

This is an optional module for controlling LiveCore**^{TM}** series processors. It supports the main functions related to the LiveCore^{TM} processor inputs.

IMPLEMENTATION

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

- Edit the file LiveCore_User_Definitions.axi: If the INPUTS module is used in the main program then you must assign the value 1 to the variable LiveCore_*Input*_Usage. If this is not the case, the value of this variable must remain at 0.

- Include the LiveCore_Inputs module in the main program and adjust specific module parameters (see example program available with this package).

COMMANDS

Command Control

None

Channels

The channels supported by the INPUTS module are listed below.

Channel code	Description
1..24	Read Input properties (channel 1 for input 1, channel 2 for input 2, …)
31..54	Start Input auto-setting procedure (channel 31 for input 1, channel 32 for input 2, …)
61..84	Start Input auto centering procedure (channel 61 for input 1, channel 62 for input 2, …)
201..224	Freeze/Unfreeze Input (channel 201 for input 1, channel 202 for input 2, …)
255	Module initialization (automatically performed after being connected).

Levels

The levels supported by the INPUTS module are listed below.

Level code	Description
1..24	Input plug selection (level 1 for input 1, level 2 for input 2, …). The level value is the plug index (0 to 5)

FEEDBACKS

Channels

The channels supported by the INPUTS module are listed below.

Channel code	Description
91..114	Input auto-centering status (channel 91 for input 1, channel 92 for input 2, …)
121..144	Input availability (channel 121 for input 1, channel 122 for input 2, …)
151..174	Input DHCP status (channel 151 for input 1, channel 152 for input 2, …)
181..204	Input signal detection (channel 181 for input 1, channel 182 for input 2, …)
201..204	Input freeze status (channel 201 for input 1, channel 202 for input 2, …)
255	Module initialization status
301..306	Input1 plug selection status (channel 301 for plug 1, channel 302 for plug 2, …)
311..316	Input2 plug 0 to 5 selection status (channel 311 for plug 1, channel 312 for plug 2, …)
321..326	Input3 plug 0 to 5 selection status (channel 321 for plug 1, channel 322 for plug 2, …)
331..336	Input4 plug 0 to 5 selection status (channel 331 for plug 1, channel 332 for plug 2, …)
341..346	Input5 plug 0 to 5 selection status (channel 341 for plug 1, channel 342 for plug 2, …)
351..356	Input6 plug 0 to 5 selection status (channel 351 for plug 1, channel 352 for plug 2, …)
361..366	Input7 plug 0 to 5 selection status (channel 361 for plug 1, channel 362 for plug 2, …)
371..376	Input8 plug 0 to 5 selection status (channel 371 for plug 1, channel 372 for plug 2, …)
381..386	Input9 plug 0 to 5 selection status (channel 381 for plug 1, channel 382 for plug 2, …)
391..396	Input10 plug 0 to 5 selection status (channel 391 for plug 1, channel 392 for plug 2, …)
401..406	Input11 plug 0 to 5 selection status (channel 401 for plug 1, channel 402 for plug 2, …)
411..416	Input12 plug 0 to 5 selection status (channel 411 for plug 1, channel 412 for plug 2, …)

421..426	Input13 plug 0 to 5 selection status (channel 421 for plug 1, channel 422 for plug 2, …)
431..436	Input14 plug 0 to 5 selection status (channel 431 for plug 1, channel 432 for plug 2, …)
441..446	Input15 plug 0 to 5 selection status (channel 441 for plug 1, channel 442 for plug 2, …)
451..456	Input16 plug 0 to 5 selection status (channel 451 for plug 1, channel 452 for plug 2, …)
461..466	Input17 plug 0 to 5 selection status (channel 461 for plug 1, channel 462 for plug 2, …)
471..476	Input18 plug 0 to 5 selection status (channel 471 for plug 1, channel 472 for plug 2, …)
481..486	Input19 plug 0 to 5 selection status (channel 481 for plug 1, channel 482 for plug 2, …)
491..496	Input20 plug 0 to 5 selection status (channel 491 for plug 1, channel 492 for plug 2, …)
501..506	Input21 plug 0 to 5 selection status (channel 501 for plug 1, channel 502 for plug 2, …)
511..516	Input22 plug 0 to 5 selection status (channel 511 for plug 1, channel 512 for plug 2, …)
521..526	Input23 plug 0 to 5 selection status (channel 521 for plug 1, channel 522 for plug 2, …)
531..536	Input24 plug 0 to 5 selection status (channel 531 for plug 1, channel 532 for plug 2, …)
601..624	1 if Input is used in one program, 0 if not. Tally function.(channel 601 for input 1, channel 602 for input 2, …)
631..654	1 if Input is used in one preview, 0 if not. Tally function.((channel 631 for input 1, channel 632 for input 2, …)

Levels

The levels supported by the INPUTS module are listed below.

Level code	Description
31..54	Input format (level 31 for input 1, level 32 for input 2, …). The level value is the internal format code (you can also use address codes 101..124)
61..84	Input auto-centering progression (level 61 for input 1, level 62 for input 2, …). The level value is the auto-centering progression (0 à 65535)
101..124	Input plug selected (level 101 for input 1, level 102 for input 2, …). The level value is the plug code selected (0 to 5) -> Cf. table below

Texts

The texts supported by the INPUTS module are listed below.

Address code	Description
1..24	Input label (address code 1 for input 1, address code 2 for input 2, …) -> 16 char. Max
31..54	Input signal width in pixels (address code 31 for input 1, address code 32 for input 2, …)
61..84	Input signal height in pixels (address code 61 for input 1, address code 62 for input 2, …)
101..124	Input signal format (address code 101 for input 1, address code 124 for input 2, …)

Input plugs

0	Analog plug (HD15 socket)
1	Analog plug (DVIA socket)
2	DVI plug (Single or dual link)
3	SDI plug
4	HDMI plug
5	DisplayPort plug