

# ANALOG WAY

## MIDRA™ – Crestron 3-series

### INPUT\_VIDEO MODULE

#### CONTACT SUPPORT

COMPANY NAME:	ANALOG WAY
SUPPORT CONTACT:	-
EMAIL ADDRESS:	<a href="mailto:techsupport@analogway.com">techsupport@analogway.com</a> (Europe, Middle East and Africa) <a href="mailto:techsupport@analogwayusa.com">techsupport@analogwayusa.com</a> (Americas) <a href="mailto:techsupport@analogwayasia.com">techsupport@analogwayasia.com</a> (Asia Pacific)
PHONE:	+33 1 81 89 08 76 (Europe, Middle East and Africa) +1 212 269 1902 (Americas) +65 6292 5800 (Asia Pacific)
ADDRESS:	Analog Way SAS 2/4 rue Georges Besse 92160 Antony - France
NOTES:	Driver version V1.11 , tested with MIDRA™ Firmware v02.00.15
HAND-IN DATE:	October 16, 2017

#### GENERAL INFORMATION

SIMPLWINDOWS NAME:	Midra_Input_video_V1.11
CATEGORY:	Logic
VERSION:	Driver version V1.11
SUMMARY:	<p>This is an optional module for controlling Midra series switchers. This module allows you to manage Midra switcher inputs:</p> <ul style="list-style-type: none"> <li>- Input validity</li> <li>- Freeze management</li> <li>- Input plugs management</li> <li>- Input auto-Setting</li> <li>- Input auto-Center</li> <li>- Input misc. status</li> </ul> <p>This module must be connected to Midra_Main module.</p>
GENERAL NOTES:	
CRESTRON HARDWARE REQUIRED:	3 series processor
SETUP OF CRESTRON HARDWARE:	-
VENDOR FIRMWARE:	MIDRA™ firmware V02.00.15
VENDOR SETUP:	-
CABLE DIAGRAM:	TCP-IP

ANALOG WAY  
 MIDRA™ – Crestron 3-series  
 INPUT\_VIDEO MODULE

**CONTROL: Inter\_connect\_Module**

From_Module_Main	S	To be connected to the Midra_Main module
Refresh_All	D	Pulse for module initialization

**CONTROL: Chek\_Input - X is the input number (1=>10)**

Check_InputX_Infos_PB	D	Pulse to refresh Input X status
-----------------------	---	---------------------------------

**CONTROL: InputX - X is the Input number (1=>10) and Y is the plug number (0=>3)**

InputX_Freeze_PB	D	Pulse to freeze/unfreeze Input X
InputX_Auto_Setting_PB	D	Pulse to start auto-setting for Input X
InputX_Auto_Center_PB	D	Pulse to start auto-center for Input X
InputX_Plug_Select	A	Input X Plug selection (see table below for values)

**FEEDBACK : Inter\_connect\_Module**

To_Module_Main	S	To be connected to the Midra_Main module
Message_Txt	S	Midra_In module text status. To be connected to the Midra_Main module
Refresh_In_Progress_FB	D	Module refresh in progress
Next_Module_Refresh_OS	D	To be connected to the next module for daisy chain initialization

**FEEDBACK : General - X is the input number (1=>10)**

InputX_Available_FB	D	1 if Input X is valid
---------------------	---	-----------------------

ANALOG WAY  
 MIDRA™ – Crestron 3-series  
 INPUT\_VIDEO MODULE

**FEEDBACK : InputX - X is the input number (1=>10) and Y is the plug number (0=>3)**

InputX_Freeze_FB	D	Freeze status for Input X
InputX_Auto_Setting_FB	D	Auto-setting status for Input X
InputX_Auto_Center_FB	D	Auto-center status for Input X
InputX_Auto_Center_Progress_FB	A	Auto-center progression for Input X
InputX_Auto_Setting_Progress_FB	A	Auto-setting progression for Input X
InputX_Signal_Detected_FB	D	Input X signal detected
InputX_HDCP_FB	D	Input X HDCP status
InputX_Signal_Format_FB	A	Signal format for Input X (see table below for values)
InputX_Signal_Format_Name	S	Signal format name for Input X (see table below for values)
InputX_Active_Plug_FB	A	Input X selected plug (see table below for values)
InputX_PlugY_Available_FB	D	Plug Y validity status for Input X
InputX_Signal_Width_FB	A	Input X Signal width (pixel)
InputX_Signal_Height_FB	A	Input X Signal height (pixel)

ANALOG WAY  
 MIDRA™ – Crestron 3-series  
 INPUT\_VIDEO MODULE

**Values for InputX\_Plug\_Select and  
 InputX\_Active\_Plug\_FB**

0	Plug of analog type (HD15 socket)
1	Plug of DVI type (Single or dual link)
2	Plug of SDI type
3	Plug of HDMI type
4	Plug of HDBT type

**Values for InputX\_Signal\_Format\_FB**

0	NONE
1	INVALID
2	UNKNOWN
3	SDTV NTSC
4	SDTV PAL
5	SDTV SECAM
6	SDTV 480i
7	SDTV 576i
8	EDTV 480p
9	EDTV 576p
10	HDTV 720p
11	HDTV 1035i
12	HDTV 1080i
13	HDTV 1080p

ANALOG WAY  
 MIDRA™ – Crestron 3-series  
 INPUT\_VIDEO MODULE

Values for InputX_Signal_Format_FB	
14	HDTV 2048x1080 Cinema
15	CEA861 720x240p
16	CEA861 720x288p
17	CPU 640x350
18	CPU 640x400
19	CPU 720x400
20	CPU VGA
21	CPU WVGA 5/3
22	CPU WVGA
23	CPU SVGA
24	CPU 1280x600
25	CPU 720p RGB
26	CPU XGA
27	CPU WXGA
28	CPU SWXGA
29	CPU 1366x768
30	CPU 800p RGB
31	CPU SWXGA+
32	CPU 1152x864

ANALOG WAY  
 MIDRA™ – Crestron 3-series  
 INPUT\_VIDEO MODULE

Values for InputX_Signal_Format_FB	
33	CPU 900p RGB
34	CPU 1600x900
35	CPU 960p RGB
36	CPU SXGA
37	CPU SXGA3
38	CPU SXGA+
39	CPU WSXGA+
40	CPU 1080p RGB
41	CPU 2K
42	CPU QWXGA
43	CPU UXGA
44	CPU WUXGA
45	CPU 1792x1344
46	CPU 1856x1392
47	CPU 1920x1440
48	CPU WQHD
49	CPU QXGA
50	CPU WQXGA
51	CPU CVT Timing
52	CPU GTF Timing with 5/4 aspect ratio

ANALOG WAY  
 MIDRA™ – Crestron 3-series  
 INPUT\_VIDEO MODULE

Values for InputX_Signal_Format_FB	
53	CPU GTF Timing with 4/3 aspect ratio
54	CPU GTF Timing with 16/10 aspect ratio
55	CPU GTF Timing with 15/9 aspect ratio
56	CPU GTF Timing with 16/9 aspect ratio
45	CPU 1792x1344
46	CPU 1856x1392
47	CPU 1920x1440
48	CPU WQHD
49	CPU QXGA
50	CPU WQXGA
51	CPU CVT Timing
52	CPU GTF Timing with 5/4 aspect ratio
53	CPU GTF Timing with 4/3 aspect ratio
54	CPU GTF Timing with 16/10 aspect ratio
55	CPU GTF Timing with 15/9 aspect ratio
56	CPU GTF Timing with 16/9 aspect ratio