Hdmi Matrix 8x8 Switch CN_AV Help

V1.1

Precautions:

- If you have any questions about this module or the help documentation, please contact us.

Module name：Hdmi Matrix 8x8 Switch CN_AV Driver

Module function description：

- Support query matrix state, including power supply, input/output connection state, video switching relationship, Stream switching state.
- Support settingmatrix switching power supply, buzzer, change video switching relationship, switch Stream.
- Physical interface is Serial or TCP/IP.

  Serial port protocol: baud rate: 115200(default) Data bits: 8 Stop bits: 1 Check bit: 0

  TCP/IP protocol port: 8000

Test Environment:

OPS USED FOR TESTING:	CP3N: v1.8000.4522.24170
SIMPL WINDOWS USED FOR TESTING:	4.17.03
DEVICE DB USED FOR TESTING:	200.9500.001.00
CRES DB USED FOR TESTING:	206.05.004.00
SYMBOL LIBRARY USED FOR TESTING:	104
SAMPLE PROGRAM:	3-Series: Example.smw

Parameter Description:

Inputparameterdescription:

- **[Serial input]From_Device**

  Signal used to receive character from the connected device.

- **[Digital input]Power_On**

  Singal used to turn on the connected device.

- **[Digital input]Power_Off**

  Singal used to turn off the connected device.

- **[Digital input]Power_Toggle**

  Singal used to turn on/off the connected device.

- **[Digital input]Device_Reboot**

  Singal used to reset the connected device.

- **[Analog input]Preset_Save**

  Signal used to save the specified preset.Valid range 1 to 8.

- **[Analog input]Preset_Recall**

  Signal used to recall the specified preset.Valid range 1 to 8.

- **[Analog input]Preset_Clear**

  Signal used to clear the specified preset.Valid range 1 to 8.

- **[Analog input]Preset_Query**

  Signal used to query the specified preset.Valid range 1 to 8.

- **[Digital input]Beep_On**

  Singal used to turn on the connected device buzzer.

- **[Digital input]Beep_Off**

  Singal used to turn off the connected device buzzer.

- **[Digital input]Beep_Toggle**

  Singal used to turn on/off the connected device buzzer.

- **[Digital input]Panel_Lock_On**

  Singal used to turn on the connected device panel lock.

- **[Digital input]Panel_Lock_Off**

  Singal used to turn off the connected device panel lock.

- **[Digital input]Panel_Lock_Toggle**

  Singal used to turn on/off the connected device panel lock.

- **[Digital input]Get_Device_Status**

  Signal used to get the connected device current status.

- **[Analog input]VideoSwitch_Output_Select[x]**

  Signal used to switch the input associated with the device output[x].Valid range 1 to 8.The X is range 1 to 8.

- **[Analog input]VideoSwitch_All_Output_Select**

  Signal used to switch the input associated with the device all output.Valid range 1 to 8.

- **[Analog input]Cat_Dsc_Mode_Select[x]**

  Signal used to set cat output dsc mode.Valid range 1 to 3.The X is range 1 to 8.

- **[Analog input]Cat_Dsc_Mode_All_Select**

  Signal used to set all cat outputs dsc mode.Valid range 1 to 3.

- **[Digital input]Hdmi_Stream_On[X]**

  Singal used to turn on HDMI output[X]stream.The X is range 1 to 8.

- **[Digital input]Hdmi_Stream_All_On**

  Singal used to turn on HDMI all outputs stream.

- **[Digital input]Hdmi_Stream_Off[X]**

  Singal used to turn off the HDMI output[X]stream.The X is range 1 to 8.

- **[Digital input]Hdmi_Stream_All_Off**

  Singal used to turn off the HDMI all output stream.

- **[Digital input]Cat_Stream_On[X]**

  Singal used to turn on the cat output[X]stream.The X is range 1 to 8.

- **[Digital input]Cat_Stream_All_On**

  Singal used to turn on the cat all outputs stream.

- **[Digital input]Cat_Stream_Off[X]**

  Singal used to turn off the cat output[X]stream.The X is range 1 to 8.

- **[Digital input]Cat_Stream_All_Off**

  Singal used to turn on the connected device HDMI all output stream.

- **[Analog input]Cec_In_On**

  Signal used to set input power on by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Off**

  Signal used to set input power off by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Menu**

Signal used to set input open menu by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Back**

  Signal used to set input back operation by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Up**

  Signal used to set input menu up by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Down**

  Signal used to set input menu down by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Left**

  Signal used to set input menu left by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Right**

  Signal used to set input menu right by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Enter**

  Signal used to set input power on by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Play**

  Signal used to set input play by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Pause**

  Signal used to set input pause by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Stop**

  Signal used to set input stop by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Rew**

  Signal used to set input rewind by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Mute**

  Signal used to set input volume mute by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Vol_Down**

  Signal used to set input volume down by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Vol_Up**

  Signal used to set input volume up by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_FF**

  Signal used to set input fast forward by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Previous**

  Signal used to set input previous by CEC.Valid range 0 to 8.

- **[Analog input]Cec_In_Next**

Signal used to set input next by CEC.Valid range 0 to 8.

- **[Analog input]Cec_HDMI_Out_On**

  Signal used to set output power on by CEC.Valid range 0 to 8.

- **[Analog input]Cec_HDMI_Out_Off**

  Signal used to set output power off by CEC.Valid range 0 to 8.

- **[Analog input]Cec_HDMI_Out_Mute**

  Signal used to set output volume mute by CEC.Valid range 0 to 8.

- **[Analog input]Cec_HDMI_Out_Vol_Down**

  Signal used to set output volume down by CEC.Valid range 0 to 8.

- **[Analog input]Cec_HDMI_Out_Vol_Up**

  Signal used to set output volume up by CEC.Valid range 0 to 8.

- **[Analog input]Cec_HDMI_Out_Active**

  Signal used to set output active source by CEC.Valid range 0 to 8.

Outputparameterdescription:

- **[Serial output]To_Device**

  Singal used to send character command to the connected device.

- **[Digital output]PowerOn_FB**

  Singal used to indicate that the connected device is Powered On

- **[Digital output]PowerOff_FB**

  Singal used to indicate that the connected device is Powered Off

- **[Digital output]Device_Rebooting_FB**

  Singal used to indicate that the connected device is rebooting now.

- **[Digital output]Beep_On_FB**

  Singal used to indicate that the connected device is Beeped On

- **[Digital output]Beep_Off_FB**

  Singal used to indicate that the connected device is Beeped Off

- **[Digital output]Panel_Lock_On_FB**

  Singal used to indicate that the connected device is Panel Locked On.

- **[Digital output]Pane_Lock_Off_FB**

  Singal used to indicate that the connected device is Panel Locked Off.

- **[Analog output]VideoSwitch_Output_FB[X]**

  Singal used to indicate the input associated with the current output.Thevalid range of

X is 1-8.

- **[Analog output]Cat_Dsc_Mode_Select_FB[X]**

  Singal used to indicate the cat output mode.Thevalid range ofX is 1-8.

- **[Digital output]Hdmi_Stream_On_FB[X]**

  Singal used to indicate the output HDMI steam enable.The valid range ofX is 1-8.

- **[Digital output]Hdmi_Stream_Off_FB[X]**

  Singal used to indicate output HDMI steam disable.The valid range ofX is 1-8.

- **[Digital output]Cat_Stream_On_FB[X]**

  Singal used to indicate output cat steam enable.The valid range ofX is 1-8.

- **[Digital output]Cat_Stream_Off_FB[X]**

  Singal used to indicate output catI steam disable.The valid range of X is 1-8.

- **[Digital output]Hdmi_Input_Connect_FB[X]**

  Singal used to indicate the connected device input connected.The valid range of X is 1-8.

- **[Digital output]Hdmi_Output_Connect_FB[X]**

  Singal used to indicate the connected device HDMI Output connected.The valid range of X is 1-8.

- **[Digital output]Cat_Output_Connect_FB[X]**

  Singal used to indicate the connected device cat Output connected.The valid range of X is 1-8.