

Hdmi Matrix 8x8 Switch CN_A Help

V1.1

Precautions:

- The matrix switch module is suitable for simplifying the production of the new version of AUM88LH.
- If you have any questions about this module or the help documentation, please contact us.

Module name: Hdmi Matrix 8x8 Switch CN_A Driver

Module function description:

- Supports functions such as audio switching, input/output gain adjustment, and preset recall/saving.
- 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:

Moduleparameterdescription:

- **[Integer param]DebugMode**
Singal used to set debug mode on or off.
- **[Integer param]Input_Gain_Step**
Signal used to set input gain up or down step value.

- **[Integer param]Output_Gain_Step**
Signal used to set output gain up or down step value.
- **[Integer param]AM_Input_Gain_Step**
Signal used to set auto mixer input gain up or down step value.

Inputparameterdescription:

- **[Buffer 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]Reboot**
Singal used to reset the connected device.
- **[Analog input]Preset_Save**
Singal used to save preset.The singal is range from 1~5.
- **[Analog input]Preset_Recall**
Singal used to recall preset.The singal is range from 1~5.
- **[Analog input]Preset_Clear**
Singal used to clear preset.The singal is range from 1~5.
- **[Digital input]All_In_Lock_On**
Singal used to set all inputs lock on.
- **[Digital input]All_In_Lock_Off**
Singal used to set all inputs lock off.
- **[Digital input]Input_Lock_1/2_On**
Singal used to set input 1/2 lock on.
- **[Digital input]Input_Lock_3/4_On**
Singal used to set input 3/4 lock on.
- **[Digital input]Input_Lock_5/6_On**
Singal used to set input 5/6 lock on.
- **[Digital input]Input_Lock_7/8_On**
Singal used to set input 7/8 lock on.
- **[Digital input]Input_Lock_1/2_Off**
Singal used to set input 1/2 lock off.
- **[Digital input]Input_Lock_3/4_Off**

- Singal used to set input 3/4 lock on.
- **[Digital input]Input_Lock_5/6_Off**
Singal used to set input 5/6 lock off.
 - **[Digital input]Input_Lock_7/8_Off**
Singal used to set input 7/8 lock off.
 - **[Digital input]All_Input_Phpow_On**
Singal used to set all inputs phantom power on.
 - **[Digital input]All_Input_Phpow_Off**
Singal used to set all inputs phantom power off.
 - **[Digital input]Input_Phpow_1_On**
Singal used to set input 1 phantom power on.
 - **[Digital input]Input_Phpow_1_Off**
Singal used to set input 1 phantom power on.
 - **[Digital input]Input_Phpow_2_On**
Singal used to set input 2 phantom power on.
 - **[Digital input]Input_Phpow_2_Off**
Singal used to set input 2 phantom power on.
 - **[Digital input]Input_Phpow_3_On**
Singal used to set input 3 phantom power on.
 - **[Digital input]Input_Phpow_3_Off**
Singal used to set input 3 phantom power on.
 - **[Digital input]Input_Phpow_4_On**
Singal used to set input 4 phantom power on.
 - **[Digital input]Input_Phpow_4_Off**
Singal used to set input 4 phantom power on.
 - **[Digital input]All_Input_Invert_On**
Singal used to set all inputs invert on.
 - **[Digital input]All_Input_Invert_Off**
Singal used to set all inputs invert off.
 - **[Digital input]Input_Invert_1_On**
Singal used to set input 1 invert on.
 - **[Digital input]Input_Invert_2_On**
Singal used to set input 2 invert on.
 - **[Digital input]Input_Invert_3_On**

- Singal used to set input 3 invert on.
- **[Digital input]Input_Invert_4_On**
Singal used to set input 4 invert on.
 - **[Digital input]Input_Invert_5_On**
Singal used to set input 5 invert on.
 - **[Digital input]Input_Invert_6_On**
Singal used to set input 6 invert on.
 - **[Digital input]Input_Invert_7_On**
Singal used to set input 7 invert on.
 - **[Digital input]Input_Invert_8_On**
Singal used to set input 8 invert on.
 - **[Digital input]Input_Invert_1_Off**
Singal used to set input 1 invert off.
 - **[Digital input]Input_Invert_2_Off**
Singal used to set input 2 invert off.
 - **[Digital input]Input_Invert_3_Off**
Singal used to set input 3 invert off.
 - **[Digital input]Input_Invert_4_Off**
Singal used to set input 4 invert off.
 - **[Digital input]Input_Invert_5_Off**
Singal used to set input 5 invert off.
 - **[Digital input]Input_Invert_6_Off**
Singal used to set input 6 invert off.
 - **[Digital input]Input_Invert_7_Off**
Singal used to set input 7 invert off.
 - **[Digital input]Input_Invert_8_Off**
Singal used to set input 8 invert off.
 - **[Digital input]All_Input_Mute_On**
Singal used to set all inputs mute on.
 - **[Digital input]All_Input_Mute_Off**
Singal used to set all inputs mute off.
 - **[Digital input]Input_Mute_1_On**
Singal used to set input 1 mute on.
 - **[Digital input]Input_Mute_2_On**

- Singal used to set input 2 mute on.
- **[Digital input]Input_Mute_3_On**
Singal used to set input 3 mute on.
 - **[Digital input]Input_Mute_4_On**
Singal used to set input 4 mute on.
 - **[Digital input]Input_Mute_5_On**
Singal used to set input 5 mute on.
 - **[Digital input]Input_Mute_6_On**
Singal used to set input 6 mute on.
 - **[Digital input]Input_Mute_7_On**
Singal used to set input 7 mute on.
 - **[Digital input]Input_Mute_8_On**
Singal used to set input 8 mute on.
 - **[Digital input]Input_Mute_GroupA_On**
Singal used to set input gruoup a mute on.
 - **[Digital input]Input_Mute_GroupB_On**
Singal used to set input group b mute on.
 - **[Digital input]Input_Mute_1_Off**
Singal used to set input 1 mute off.
 - **[Digital input]Input_Mute_2_Off**
Singal used to set input 2 mute off.
 - **[Digital input]Input_Mute_3_Off**
Singal used to set input 3 mute off.
 - **[Digital input]Input_Mute_4_Off**
Singal used to set input 4 mute off.
 - **[Digital input]Input_Mute_5_Off**
Singal used to set input 5 mute off.
 - **[Digital input]Input_Mute_6_Off**
Singal used to set input 6 mute off.
 - **[Digital input]Input_Mute_7_Off**
Singal used to set input 7 mute off.
 - **[Digital input]Input_Mute_8_Off**
Singal used to set input 8 mute off.
 - **[Digital input]Input_Mute_GroupA_Off**

- Singal used to set input group a mute off.
- **[Digital input]Input_Mute_GroupB_Off**
Singal used to set input group b mute off.
 - **[Digital input]All_Input_Gain_Up**
Singal used to set all inputs gain up.
 - **[Digital input]All_Input_Gain_Down**
Singal used to set all inputs gain down.
 - **[Digital input]Input_Gain_1_Up**
Singal used to set input 1 gain up.
 - **[Digital input]Input_Gain_2_Up**
Singal used to set input 2 gain up.
 - **[Digital input]Input_Gain_3_Up**
Singal used to set input 3 gain up.
 - **[Digital input]Input_Gain_4_Up**
Singal used to set input 4 gain up.
 - **[Digital input]Input_Gain_5_Up**
Singal used to set input 5 gain up.
 - **[Digital input]Input_Gain_6_Up**
Singal used to set input 6 gain up.
 - **[Digital input]Input_Gain_7_Up**
Singal used to set input 7 gain up.
 - **[Digital input]Input_Gain_8_Up**
Singal used to set input 8 gain up.
 - **[Digital input]Input_Gain_GroupA_Up**
Singal used to set input group a gain up.
 - **[Digital input]Input_Gain_GroupB_Up**
Singal used to set input group b gain up.
 - **[Digital input]Input_Gain_1_Down**
Singal used to set input 1 gain down.
 - **[Digital input]Input_Gain_2_Down**
Singal used to set input 2 gain down.
 - **[Digital input]Input_Gain_3_Down**
Singal used to set input 3 gain down.
 - **[Digital input]Input_Gain_4_Down**

- Singal used to set input 4 gain down.
- **[Digital input]Input_Gain_5_Down**
Singal used to set input 5 gain down.
 - **[Digital input]Input_Gain_6_Down**
Singal used to set input 6 gain down.
 - **[Digital input]Input_Gain_7_Down**
Singal used to set input 7 gain down.
 - **[Digital input]Input_Gain_8_Down**
Singal used to set input 8 gain down.
 - **[Digital input]Input_Gain_GroupA_Down**
Singal used to set input group a gain down.
 - **[Digital input]Input_Gain_GroupB_Down**
Singal used to set input group b gain down.
 - **[Analog input]All_Input_Gain**
Singal used to set all inputs gain.The singal range from -100db~12db.
 - **[Analog input]Input_1_Gain**
Singal used to set input 1 gain.The singal range from -100db~12db.
 - **[Analog input]Input_2_Gain**
Singal used to set input 2 gain.The singal range from -100db~12db.
 - **[Analog input]Input_3_Gain**
Singal used to set input 3 gain.The singal range from -100db~12db.
 - **[Analog input]Input_4_Gain**
Singal used to set input 4 gain.The singal range from -100db~12db.
 - **[Analog input]Input_5_Gain**
Singal used to set input 5 gain.The singal range from -100db~12db.
 - **[Analog input]Input_6_Gain**
Singal used to set input 6 gain.The singal range from -100db~12db.
 - **[Analog input]Input_7_Gain**
Singal used to set input 7 gain.The singal range from -100db~12db.
 - **[Analog input]Input_8_Gain**
Singal used to set input 8 gain.The singal range from -100db~12db.
 - **[Analog input]Input_GroupA_Gain**
Singal used to set input group a gain.The singal range from -100db~12db.
 - **[Analog input]Input_GroupB_Gain**

Singal used to set input group b gain.The singal range from -100db~12db.

➤ **[Analog input]All_Input_Level**

Singal used to set all inputs level.The singal range from 1~9.

➤ **[Analog input]Input_1_Level**

Singal used to set input 1 level.The singal range from 1~9.

➤ **[Analog input]Input_2_Level**

Singal used to set input 2 level.The singal range from 1~9.

➤ **[Analog input]Input_3_Level**

Singal used to set input 3 level.The singal range from 1~9.

➤ **[Analog input]Input_4_Level**

Singal used to set input 4 level.The singal range from 1~9.

➤ **[Digital input]All_Output_Lock_On**

Singal used to set all outputs lock on.

➤ **[Digital input]All_Output_Lock_Off**

Singal used to set all outputs lock off.

➤ **[Digital input]Input_Lock_1/2_On**

Singal used to set output 1/2 lock on.

➤ **[Digital input]Output_Lock_3/4_On**

Singal used to set output 3/4 lock on.

➤ **[Digital input]Output_Lock_5/6_On**

Singal used to set output 5/6 lock on.

➤ **[Digital input]Output_Lock_7/8_On**

Singal used to set output 7/8 lock on.

➤ **[Digital input]Output_Lock_1/2_Off**

Singal used to set output 1/2 lock off.

➤ **[Digital input]Output_Lock_3/4_Off**

Singal used to set output 3/4 lock on.

➤ **[Digital input]Output_Lock_5/6_Off**

Singal used to set output 5/6 lock off.

➤ **[Digital input]Output_Lock_7/8_Off**

Singal used to set output 7/8 lock off.

➤ **[Digital input]All_Output_Invert_On**

Singal used to set all inputs invert on.

➤ **[Digital input]All_Output_Invert_Off**

- Singal used to set all outputs invert off.
- **[Digital input]Output_Invert_1_On**
Singal used to set output 1 invert on.
 - **[Digital input]Output_Invert_2_On**
Singal used to set output 2 invert on.
 - **[Digital input]Output_Invert_3_On**
Singal used to set output 3 invert on.
 - **[Digital input]Output_Invert_4_On**
Singal used to set output 4 invert on.
 - **[Digital input]Output_Invert_5_On**
Singal used to set output 5 invert on.
 - **[Digital input]Output_Invert_6_On**
Singal used to set output 6 invert on.
 - **[Digital input]Output_Invert_7_On**
Singal used to set output 7 invert on.
 - **[Digital input]Output_Invert_8_On**
Singal used to set output 8 invert on.
 - **[Digital input]Output_Invert_1_Off**
Singal used to set output 1 invert off.
 - **[Digital input]Output_Invert_2_Off**
Singal used to set output 2 invert off.
 - **[Digital input]Output_Invert_3_Off**
Singal used to set output 3 invert off.
 - **[Digital input]Output_Invert_4_Off**
Singal used to set output 4 invert off.
 - **[Digital input]Output_Invert_5_Off**
Singal used to set output 5 invert off.
 - **[Digital input]Output_Invert_6_Off**
Singal used to set output 6 invert off.
 - **[Digital input]Output_Invert_7_Off**
Singal used to set output 7 invert off.
 - **[Digital input]Output_Invert_8_Off**
Singal used to set output 8 invert off.
 - **[Digital input]All_Output_Mute_On**

Singal used to set all outputs mute on.

➤ **[Digital input]All_Output_Mute_Off**

Singal used to set all outputs mute off.

➤ **[Digital input]Output_Mute_1_On**

Singal used to set output 1 mute on.

➤ **[Digital input]Output_Mute_2_On**

Singal used to set output 2 mute on.

➤ **[Digital input]Output_Mute_3_On**

Singal used to set output 3 mute on.

➤ **[Digital input]Output_Mute_4_On**

Singal used to set output 4 mute on.

➤ **[Digital input]Output_Mute_5_On**

Singal used to set output 5 mute on.

➤ **[Digital input]Output_Mute_6_On**

Singal used to set output 6 mute on.

➤ **[Digital input]Output_Mute_7_On**

Singal used to set output 7 mute on.

➤ **[Digital input]Output_Mute_8_On**

Singal used to set output 8 mute on.

➤ **[Digital input]Output_Mute_GroupA_On**

Singal used to set output gruoup a mute on.

➤ **[Digital input]Output_Mute_GroupB_On**

Singal used to set output group b mute on.

➤ **[Digital input]Output_Mute_1_Off**

Singal used to set output 1 mute off.

➤ **[Digital input]Output_Mute_2_Off**

Singal used to set output 2 mute off.

➤ **[Digital input]Output_Mute_3_Off**

Singal used to set output 3 mute off.

➤ **[Digital input]Output_Mute_4_Off**

Singal used to set output 4 mute off.

➤ **[Digital input]Output_Mute_5_Off**

Singal used to set output 5 mute off.

➤ **[Digital input]Output_Mute_6_Off**

- Singal used to set output 6 mute off.
- **[Digital input]Output_Mute_7_Off**
Singal used to set output 7 mute off.
 - **[Digital input]Output_Mute_8_Off**
Singal used to set output 8 mute off.
 - **[Digital input]Output_Mute_GroupA_Off**
Singal used to set output group a mute off.
 - **[Digital input]Output_Mute_GroupB_Off**
Singal used to set output group b mute off.
 - **[Digital input]All_Output_Gain_Up**
Singal used to set all outputs gain up.
 - **[Digital input]All_Output_Gain_Down**
Singal used to set all outputs gain down.
 - **[Digital input]Output_Gain_1_Up**
Singal used to set output 1 gain up.
 - **[Digital input]Output_Gain_2_Up**
Singal used to set output 2 gain up.
 - **[Digital input]Output_Gain_3_Up**
Singal used to set output 3 gain up.
 - **[Digital input]Output_Gain_4_Up**
Singal used to set output 4 gain up.
 - **[Digital input]Output_Gain_5_Up**
Singal used to set output 5 gain up.
 - **[Digital input]Output_Gain_6_Up**
Singal used to set output 6 gain up.
 - **[Digital input]Output_Gain_7_Up**
Singal used to set output 7 gain up.
 - **[Digital input]Output_Gain_8_Up**
Singal used to set output 8 gain up.
 - **[Digital input]Output_Gain_GroupA_Up**
Singal used to set output group a gain up.
 - **[Digital input]Output_Gain_GroupB_Up**
Singal used to set output group b gain up.
 - **[Digital input]Output_Gain_1_Down**

- Singal used to set output 1 gain down.
- **[Digital input]Output_Gain_2_Down**
Singal used to set output 2 gain down.
 - **[Digital input]Output_Gain_3_Down**
Singal used to set output 3 gain down.
 - **[Digital input]Output_Gain_4_Down**
Singal used to set output 4 gain down.
 - **[Digital input]Output_Gain_5_Down**
Singal used to set output 5 gain down.
 - **[Digital input]Output_Gain_6_Down**
Singal used to set output 6 gain down.
 - **[Digital input]Output_Gain_7_Down**
Singal used to set output 7 gain down.
 - **[Digital input]Output_Gain_8_Down**
Singal used to set output 8 gain down.
 - **[Digital input]Output_Gain_GroupA_Down**
Singal used to set output group a gain down.
 - **[Digital input]Output_Gain_GroupB_Down**
Singal used to set output group b gain down.
 - **[Analog input]All_Output_Gain**
Singal used to set all outputs gain.The singal range from -100db~12db.
 - **[Analog input]Output_1_Gain**
Singal used to set output 1 gain.The singal range from -100db~12db.
 - **[Analog input]Output_2_Gain**
Singal used to set output 2 gain.The singal range from -100db~12db.
 - **[Analog input]Output_3_Gain**
Singal used to set output 3 gain.The singal range from -100db~12db.
 - **[Analog input]Output_4_Gain**
Singal used to set output 4 gain.The singal range from -100db~12db.
 - **[Analog input]Output_5_Gain**
Singal used to set output 5 gain.The singal range from -100db~12db.
 - **[Analog input]Output_6_Gain**
Singal used to set output 6 gain.The singal range from -100db~12db.
 - **[Analog input]Output_7_Gain**

- Singal used to set output 7 gain.The singal range from -100db~12db.
- **[Analog input]Output_8_Gain**
Singal used to set output 8 gain.The singal range from -100db~12db.
 - **[Analog input]Output_GroupA_Gain**
Singal used to set output group a gain.The singal range from -100db~12db.
 - **[Analog input]Output_GroupB_Gain**
Singal used to set output group b gain.The singal range from -100db~12db.
 - **[Analog input]All_Output_Level**
Singal used to set all outputs level.The singal range from 1~4.
 - **[Analog input]Output_1_Level**
Singal used to set output 1 level.The singal range from 1~4.
 - **[Analog input]Output_2_Level**
Singal used to set output 2 level.The singal range from 1~4.
 - **[Analog input]Output_3_Level**
Singal used to set output 3 level.The singal range from 1~4.
 - **[Analog input]Output_4_Level**
Singal used to set output 4 level.The singal range from 1~4.
 - **[Digital input]All_AM_Input_Auto_On**
Singal used to set all auto mixer inputs auto on.
 - **[Digital input]All_AM_Input_Auto_Off**
Singal used to set all auto mixer inputs auto off.
 - **[Digital input]AM_Input_Auto_1_On**
Singal used to set auto mixer input 1 auto on.
 - **[Digital input]AM_Input_Auto_2_On**
Singal used to set auto mixer input 2 auto on.
 - **[Digital input]AM_Input_Auto_3_On**
Singal used to set auto mixer input 3 auto on.
 - **[Digital input]AM_Input_Auto_4_On**
Singal used to set auto mixer input 4 auto on.
 - **[Digital input]AM_Input_Auto_5_On**
Singal used to set auto mixer input 5 auto on.
 - **[Digital input]AM_Input_Auto_6_On**
Singal used to set auto mixer input 6 auto on.
 - **[Digital input]AM_Input_Auto_7_On**

- Singal used to set auto mixer input 7 auto on.
- **[Digital input]AM_Input_Auto_8_On**
Singal used to set auto mixer input 8 auto on.
 - **[Digital input]AM_Input_Auto_1_Off**
Singal used to set auto mixer input 1 auto off.
 - **[Digital input]AM_Input_Auto_2_Off**
Singal used to set auto mixer input 2 auto off.
 - **[Digital input]AM_Input_Auto_3_Off**
Singal used to set auto mixer input 3 auto off.
 - **[Digital input]AM_Input_Auto_4_Off**
Singal used to set auto mixer input 4 auto off.
 - **[Digital input]AM_Input_Auto_5_Off**
Singal used to set auto mixer input 5 auto off.
 - **[Digital input]AM_Input_Auto_6_Off**
Singal used to set auto mixer input 6 auto off.
 - **[Digital input]AM_Input_Auto_7_Off**
Singal used to set auto mixer input 7 auto off.
 - **[Digital input]AM_Input_Auto_8_Off**
Singal used to set auto mixer input 8 auto off.
 - **[Digital input]All_Input_Mute_On**
Singal used to set all auto mixer inputs mute on.
 - **[Digital input]All_Input_Mute_Off**
Singal used to set all auto mixer inputs mute off.
 - **[Digital input]AM_Input_Mute_1_On**
Singal used to set auto mixer input 1 mute on.
 - **[Digital input]AM_Input_Mute_2_On**
Singal used to set auto mixer input 2 mute on.
 - **[Digital input]AM_Input_Mute_3_On**
Singal used to set auto mixer input 3 mute on.
 - **[Digital input]AM_Input_Mute_4_On**
Singal used to set auto mixer input 4 mute on.
 - **[Digital input]AM_Input_Mute_5_On**
Singal used to set auto mixer input 5 mute on.
 - **[Digital input]AM_Input_Mute_6_On**

- Singal used to set auto mixer input 6 mute on.
- **[Digital input]AM_Input_Mute_7_On**
Singal used to set auto mixer input 7 mute on.
 - **[Digital input]AM_Input_Mute_8_On**
Singal used to set auto mixer input 8 mute on.
 - **[Digital input]AM_Input_Mute_1_Off**
Singal used to set auto mixer input 1 mute off.
 - **[Digital input]AM_Input_Mute_2_Off**
Singal used to set auto mixer input 2 mute off.
 - **[Digital input]AM_Input_Mute_3_Off**
Singal used to set auto mixer input 3 mute off.
 - **[Digital input]AM_Input_Mute_4_Off**
Singal used to set auto mixer input 4 mute off.
 - **[Digital input]AM_Input_Mute_5_Off**
Singal used to set auto mixer input 5 mute off.
 - **[Digital input]AM_Input_Mute_6_Off**
Singal used to set auto mixer input 6 mute off.
 - **[Digital input]AM_Input_Mute_7_Off**
Singal used to set auto mixer input 7 mute off.
 - **[Digital input]AM_Input_Mute_8_Off**
Singal used to set auto mixer input 8 mute off.
 - **[Digital input]All_AM_Input_Gain_Up**
Singal used to set all auto mixer inputs gain up.
 - **[Digital input]All_AM_Input_Gain_Down**
Singal used to set all auto mixer inputs gain down.
 - **[Digital input]AM_Input_Gain_1_Up**
Singal used to set auto mixer input 1 gain up.
 - **[Digital input]AM_Input_Gain_2_Up**
Singal used to set auto mixer input 2 gain up.
 - **[Digital input]AM_Input_Gain_3_Up**
Singal used to set auto mixer input 3 gain up.
 - **[Digital input]AM_Input_Gain_4_Up**
Singal used to set auto mixer input 4 gain up.
 - **[Digital input]AM_Input_Gain_5_Up**

- Singal used to set auto mixer input 5 gain up.
- **[Digital input]AM_Input_Gain_6_Up**
Singal used to set auto mixer input 6 gain up.
 - **[Digital input]AM_Input_Gain_7_Up**
Singal used to set auto mixer input 7 gain up.
 - **[Digital input]AM_Input_Gain_8_Up**
Singal used to set auto mixer input 8 gain up.
 - **[Digital input]AM_Input_Gain_9_Up**
Singal used to set auto mixer input group a gain up.
 - **[Digital input]AM_Input_Gain_1_Down**
Singal used to set auto mixer input 1 gain down.
 - **[Digital input]AM_Input_Gain_2_Down**
Singal used to set auto mixer input 2 gain down.
 - **[Digital input]AM_Input_Gain_3_Down**
Singal used to set auto mixer input 3 gain down.
 - **[Digital input]AM_Input_Gain_4_Down**
Singal used to set auto mixer input 4 gain down.
 - **[Digital input]AM_Input_Gain_5_Down**
Singal used to set auto mixer input 5 gain down.
 - **[Digital input]AM_Input_Gain_6_Down**
Singal used to set auto mixer input 6 gain down.
 - **[Digital input]AM_Input_Gain_7_Down**
Singal used to set auto mixer input 7 gain down.
 - **[Digital input]AM_Input_Gain_8_Down**
Singal used to set auto mixer input 8 gain down.
 - **[Digital input]AM_Input_Gain_9_Down**
Singal used to set auto mixer input group a gain down.
 - **[Analog input]All_AM_Input_Gain**
Singal used to set all auto mixer inputs gain.The singal range from -100db~12db.
 - **[Analog input]AM_Input_1_Gain**
Singal used to set auto mixer input 1 gain.The singal range from -100db~12db.
 - **[Analog input]AM_Input_2_Gain**
Singal used to set auto mixer input 2 gain.The singal range from -100db~12db.
 - **[Analog input]AM_Input_3_Gain**

- Singal used to set auto mixer input 3 gain.The singal range from -100db~12db.
- **[Analog input]AM_Input_4_Gain**
Singal used to set auto mixer input 4 gain.The singal range from -100db~12db.
 - **[Analog input]AM_Input_5_Gain**
Singal used to set auto mixer input 5 gain.The singal range from -100db~12db.
 - **[Analog input]AM_Input_6_Gain**
Singal used to set auto mixer input 6 gain.The singal range from -100db~12db.
 - **[Analog input]AM_Input_7_Gain**
Singal used to set auto mixer input 7 gain.The singal range from -100db~12db.
 - **[Analog input]AM_Input_8_Gain**
Singal used to set auto mixer input 8 gain.The singal range from -100db~12db.
 - **[Analog input]AM_Input_9_Gain**
Singal used to set auto mixer input group a gain.The singal range from -100db~12db.
 - **[Analog input]All_AM_Input_Priority**
Singal used to set all inputs level.The singal range from 0~10.
 - **[Analog input]AM_Input_1_Priority**
Singal used to set auto mixer input 1 priority.The singal range from 0~10.
 - **[Analog input]AM_Input_2_Priority**
Singal used to set auto mixer input 2 priority.The singal range from 0~10.
 - **[Analog input]AM_Input_3_Priority**
Singal used to set auto mixer input 3 priority.The singal range from 0~10.
 - **[Analog input]AM_Input_4_Priority**
Singal used to set auto mixer input 4 priority.The singal range from 0~10.
 - **[Analog input]AM_Input_5_Priority**
Singal used to set auto mixer input 5 priority.The singal range from 0~10.
 - **[Analog input]AM_Input_6_Priority**
Singal used to set auto mixer input 6 priority.The singal range from 0~10.
 - **[Analog input]AM_Input_7_Priority**
Singal used to set auto mixer input 7 priority.The singal range from 0~10.
 - **[Analog input]AM_Input_8_Priority**
Singal used to set auto mixer input 8 priority.The singal range from 0~10.
 - **[Analog input]All_Output_From_Input**
Singal used to set all outputs from input.The singal range from 1~12.
 - **[Analog input]All_Output_Remove_Input**

Singal used to set all outputs remove input.The singal range from 1~12.

➤ **[Analog input]Output_1_From_Input**

Singal used to set output 1 from input.The singal range from 1~12.

➤ **[Analog input]Output_1_Remove_Input**

Singal used to set output 1 remove input.The singal range from 1~12.

➤ **[Analog input]Output_2_From_Input**

Singal used to set output 2 from input.The singal range from 1~12.

➤ **[Analog input]Output_2_Remove_Input**

Singal used to set output 2 remove input.The singal range from 1~12.

➤ **[Analog input]Output_3_From_Input**

Singal used to set output 3 from input.The singal range from 1~12.

➤ **[Analog input]Output_3_Remove_Input**

Singal used to set output 3 remove input.The singal range from 1~12.

➤ **[Analog input]Output_4_From_Input**

Singal used to set output 4 from input.The singal range from 1~12.

➤ **[Analog input]Output_4_Remove_Input**

Singal used to set output 4 remove input.The singal range from 1~12.

➤ **[Analog input]Output_5_From_Input**

Singal used to set output 5 from input.The singal range from 1~12.

➤ **[Analog input]Output_5_Remove_Input**

Singal used to set output 5 remove input.The singal range from 1~12.

➤ **[Analog input]Output_6_From_Input**

Singal used to set output 6 from input.The singal range from 1~12.

➤ **[Analog input]Output_6_Remove_Input**

Singal used to set output 6 remove input.The singal range from 1~12.

➤ **[Analog input]Output_7_From_Input**

Singal used to set output 7 from input.The singal range from 1~12.

➤ **[Analog input]Output_7_Remove_Input**

Singal used to set output 7 remove input.The singal range from 1~12.

➤ **[Analog input]Output_8_From_Input**

Singal used to set output 8 from input.The singal range from 1~12.

➤ **[Analog input]Output_8_Remove_Input**

Singal used to set output 8 remove input.The singal range from 1~12.

Outputparameterdescription:

- **[Serial output]To_Device**
Signal used to receive character from the connected device.
- **[Digital output]Power_On_fb**
Signal used to indicate that the connected device is Powered On.
- **[Digital output]Power_Off_fb**
Signal used to indicate that the connected device is Powered Off.
- **[Digital output]Input_Lock_1/2_On_fb**
Signal used to indicate that input 1/2 locked on.
- **[Digital output]Input_Lock_3/4_On_fb**
Signal used to indicate that input 3/4 locked on.
- **[Digital output]Input_Lock_5/6_On_fb**
Signal used to indicate that input 5/6 locked on.
- **[Digital output]Input_Lock_7/8_On_fb**
Signal used to indicate that input 7/8 locked on.
- **[Digital output]Input_Lock_1/2_Off_fb**
Signal used to indicate that input 1/2 locked off.
- **[Digital output]Input_Lock_3/4_Off_fb**
Signal used to indicate that input 3/4 locked off.
- **[Digital output]Input_Lock_5/6_Off_fb**
Signal used to indicate that input 5/6 locked off.
- **[Digital output]Input_Lock_7/8_Off_fb**
Signal used to indicate that input 7/8 locked off.
- **[Digital output]Input_Phpow_X_On_fb**
Signal used to indicate that input X phantom powered on.The X range from 1~4.
- **[Digital output]Input_Phpow_X_Off_fb**
Signal used to indicate that input X phantom powered off.The X range from 1~4.
- **[Digital output]Input_Invert_X_On_fb**
Signal used to indicate that input X invert turned on.The X range from 1~8.
- **[Digital output]Input_Invert_X_Off_fb**
Signal used to indicate that input X invert turned off.The X range from 1~8.
- **[Digital output]Input_Mute_X_On_fb**
Signal used to indicate that input X muted on.The X range from 1~8.

- **[Digital output]Input_Mute_GroupA_On_fb**
Singal used to indicate that input group a muted on.
- **[Digital output]Input_Mute_GroupB_On_fb**
Singal used to indicate that input group b muted on.
- **[Digital output]Input_Mute_X_Off_fb**
Singal used to indicate that input X muted off.The X range from 1~8.
- **[Digital output]Input_Mute_GroupA_Off_fb**
Singal used to indicate that input group a muted off.
- **[Digital output]Input_Mute_GroupB_Off_fb**
Singal used to indicate that input group b muted off.
- **[Analog output]Input_Gain_X_fb**
Singal used to indicate that input X gain.The X range from 1~8.
- **[Analog output]Input_Gain_GroupA_fb**
Singal used to indicate that input group a gain.
- **[Analog output]Input_Gain_GroupB_fb**
Singal used to indicate that input group b gain.
- **[Analog output]Input_Level_X_fb**
Singal used to indicate that input X gain.The X range from 1~4.
- **[Digital output]Output_Lock_1/2_On_fb**
Singal used to indicate that output 1/2 locked on.
- **[Digital output]Output_Lock_3/4_On_fb**
Singal used to indicate that output 3/4 locked on.
- **[Digital output]Output_Lock_5/6_On_fb**
Singal used to indicate that output 5/6 locked on.
- **[Digital output]Output_Lock_7/8_On_fb**
Singal used to indicate that output 7/8 locked on.
- **[Digital output]Output_Lock_1/2_Off_fb**
Singal used to indicate that output 1/2 locked off.
- **[Digital output]Output_Lock_3/4_Off_fb**
Singal used to indicate that output 3/4 locked off.
- **[Digital output]Output_Lock_5/6_Off_fb**
Singal used to indicate that output 5/6 locked off.
- **[Digital output]Output_Lock_7/8_Off_fb**
Singal used to indicate that output 7/8 locked off.

- **[Digital output]Output_Phpow_X_On_fb**
Singal used to indicate that output X phantom powered on.The X range from 1~4.
- **[Digital output]Output_Phpow_X_Off_fb**
Singal used to indicate that output X phantom powered off.The X range from 1~4.
- **[Digital output]Output_Invert_X_On_fb**
Singal used to indicate that output X invert turned on.The X range from 1~8.
- **[Digital output]Output_Invert_X_Off_fb**
Singal used to indicate that output X invert turned off.The X range from 1~8.
- **[Digital output]Output_Mute_X_On_fb**
Singal used to indicate that output X muted on.The X range from 1~8.
- **[Digital output]Output_Mute_GroupA_On_fb**
Singal used to indicate that output group a muted on.
- **[Digital output]Output_Mute_GroupB_On_fb**
Singal used to indicate that output group b muted on.
- **[Digital output]Output_Mute_X_Off_fb**
Singal used to indicate that output X muted off.The X range from 1~8.
- **[Digital output]Output_Mute_GroupA_Off_fb**
Singal used to indicate that output group a muted off.
- **[Digital output]Output_Mute_GroupB_Off_fb**
Singal used to indicate that output group b muted off.
- **[Analog output]Output_Gain_X_fb**
Singal used to indicate that output X gain.The X range from 1~8.
- **[Analog output]Output_Gain_GroupA_fb**
Singal used to indicate that output group a gain.
- **[Analog output]Output_Gain_GroupB_fb**
Singal used to indicate that output group b gain.
- **[Analog output]Output_Level_X_fb**
Singal used to indicate that output X gain.The X range from 1~4.
- **[Digital output]AM_Input_Auto_X_On_fb**
Singal used to indicate that auto mixer input X auto turned on.The X range from 1~8.
- **[Digital output]AM_Input_Auto_X_Off_fb**
Singal used to indicate that auto mixer input X auto turned off.The X range from 1~8.
- **[Digital output]AM_Input_Mute_X_On_fb**
Singal used to indicate that auto mixer input X muted on.The X range from 1~8.

- **[Digital output]AM_Input_Mute_X_Off_fb**
Singal used to indicate that auto mixer input X muted off.The X range from 1~8.
- **[Analog output]AM_Input_Gain_X_fb**
Singal used to indicate that auto mixer input gain.The X range from 1~8.
- **[Analog output]AM_Input_Priority_X_fb**
Singal used to indicate that auto mixer input gain.The X range from 1~8.
- **[Digital output]Output1_From_Input_fb[X]**
Singal used to indicate that output 1 current audio source.The X range from 1~12.
- **[Digital output]Output2_From_Input_fb[X]**
Singal used to indicate that output 2 current audio source.The X range from 1~12.
- **[Digital output]Output3_From_Input_fb[X]**
Singal used to indicate that output 3 current audio source.The X range from 1~12.
- **[Digital output]Output4_From_Input_fb[X]**
Singal used to indicate that output 4 current audio source.The X range from 1~12.
- **[Digital output]Output5_From_Input_fb[X]**
Singal used to indicate that output 5 current audio source.The X range from 1~12.
- **[Digital output]Output6_From_Input_fb[X]**
Singal used to indicate that output 6 current audio source.The X range from 1~12.
- **[Digital output]Output7_From_Input_fb[X]**
Singal used to indicate that output 7 current audio source.The X range from 1~12.
- **[Digital output]Output8_From_Input_fb[X]**
Singal used to indicate that output 8 current audio source.The X range from 1~12.