**EVMX4K04/EVMX4K08**

IP/Serial Commands- ASCII



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Output | Input | Command |   | Output | Input | Command |
| 1 | 1 | 1B1. |   | 2 | 1 | 1B2. |
|   | 2 | 2B1. |   |   | 2 | 2B2. |
|   | 3 | 3B1. |   |   | 3 | 3B2. |
|   | 4 | 4B1. |   |   | 4 | 4B2. |
|   | 5 | 5B1. |   |   | 5 | 5B2. |
|   | 6 | 6B1. |   |   | 6 | 6B2. |
|   | 7 | 7B1. |   |   | 7 | 7B2. |
|   | 8 | 8B1. |   |   | 8 | 8B2. |
|   | 9 | 9B1. |   |   | 9 | 9B2. |
|   | 10 | 10B1. |   |   | 10 | 10B2. |
|   | 11 | 11B1. |   |   | 11 | 11B2. |
|   | 12 | 12B1. |   |   | 12 | 12B2. |
|   | 13 | 13B1. |   |   | 13 | 13B2. |
|   | 14 | 14B1. |   |   | 14 | 14B2. |
|   | 15 | 15B1. |   |   | 15 | 15B2. |
|   | 16 | 16B1. |   |   | 16 | 16B2. |
| 3 | 1 | 1B3. |   | 4 | 1 | 1B4. |
|   | 2 | 2B3. |   |   | 2 | 2B4. |
|   | 3 | 3B3. |   |   | 3 | 3B4. |
|   | 4 | 4B3. |   |   | 4 | 4B4. |
|   | 5 | 5B3. |   |   | 5 | 5B4. |
|   | 6 | 6B3. |   |   | 6 | 6B4. |
|   | 7 | 7B3. |   |   | 7 | 7B4. |
|   | 8 | 8B3. |   |   | 8 | 8B4. |
|   | 9 | 9B3.. |   |   | 9 | 9B4. |
|   | 10 | 10B3. |   |   | 10 | 10B4. |
|   | 11 | 11B3. |   |   | 11 | 11B4. |
|   | 12 | 12B3. |   |   | 12 | 12B4. |
|   | 13 | 13B3. |   |   | 13 | 13B4. |
|   | 14 | 14B3. |   |   | 14 | 14B4. |
|   | 15 | 15B2. |   |   | 15 | 15B4. |
|   | 16 | 16B2. |   |   | 16 | 16B4. |
| 5 | 1 | 1B5. |   | 6 | 1 | 1B6. |
|   | 2 | 2B5. |   |   | 2 | 2B6. |
|   | 3 | 3B5. |   |   | 3 | 3B6. |
|   | 4 | 4B5. |   |   | 4 | 4B6. |
|   | 5 | 5B5. |   |   | 5 | 5B6. |
|   | 6 | 6B5. |   |   | 6 | 6B6. |
|   | 7 | 7B5. |   |   | 7 | 7B6. |
|   | 8 | 8B5. |   |   | 8 | 8B6. |
|   | 9 | 9B5. |   |   | 9 | 9B6. |
|   | 10 | 10B5. |   |   | 10 | 10B6. |
|   | 11 | 11B5. |   |   | 11 | 11B6. |
|   | 12 | 12B5. |   |   | 12 | 12B6. |
|   | 13 | 13B5. |   |   | 13 | 13B6. |
|   | 14 | 14B5. |   |   | 14 | 14B6. |
|   | 15 | 15B5. |   |   | 15 | 15B6. |
|   | 16 | 16B5. |   |   | 16 | 16B6. |
| 7 | 1 | 1B7. |   | 8 | 1 | 1B8. |
|   | 2 | 2B7. |   |   | 2 | 2B8. |
|   | 3 | 3B7. |   |   | 3 | 3B8. |
|   | 4 | 4B7. |   |   | 4 | 4B8. |
|   | 5 | 5B7. |   |   | 5 | 5B8. |
|   | 6 | 6B7. |   |   | 6 | 6B8. |
|   | 7 | 7B7. |   |   | 7 | 7B8. |
|   | 8 | 8B7. |   |   | 8 | 8B8. |
|   | 9 | 9B7. |   |   | 9 | 9B8. |
|   | 10 | 10B7. |   |   | 10 | 10B8. |
|   | 11 | 11B7. |   |   | 11 | 11B9. |
|   | 12 | 12B7. |   |   | 12 | 12B8. |
|   | 13 | 13B7. |   |   | 13 | 13B8. |
|   | 14 | 14B7. |   |   | 14 | 14B8. |
|   | 15 | 15B7. |   |   | 15 | 15B8. |
|   | 16 | 16B7. |   |   | 16 | 16B8. |
| 9 | 1 | 1B9. |   | 10 | 1 | 1B10. |
|   | 2 | 2B9. |   |   | 2 | 2B10. |
|   | 3 | 3B9. |   |   | 3 | 3B10. |
|   | 4 | 4B9. |   |   | 4 | 4B10. |
|   | 5 | 5B9. |   |   | 5 | 5B10. |
|   | 6 | 6B9. |   |   | 6 | 6B10. |
|   | 7 | 4B9. |   |   | 7 | 7B10. |
|   | 8 | 5B9. |   |   | 8 | 8B10. |
|   | 9 | 6B9. |   |   | 9 | 9B10. |
|   | 10 | 4B9. |   |   | 10 | 10B10. |
|   | 11 | 5B9. |   |   | 11 | 11B10. |
|   | 12 | 6B9. |   |   | 12 | 12B10. |
|   | 13 | 4B9. |   |   | 13 | 13B10. |
|   | 14 | 5B9. |   |   | 14 | 14B10. |
|   | 15 | 6B9. |   |   | 15 | 15B10. |
|   | 16 | 4B9. |   |   | 16 | 16B10. |
| 11 | 1 | 1B11. |   | 12 | 1 | 1B12. |
|   | 2 | 2B11. |   |   | 2 | 2B12. |
|   | 3 | 3B11. |   |   | 3 | 3B12. |
|   | 4 | 4B11. |   |   | 4 | 4B12. |
|   | 5 | 5B11. |   |   | 5 | 5B12. |
|   | 6 | 6B11. |   |   | 6 | 6B12. |
|   | 7 | 7B11. |   |   | 7 | 7B12. |
|   | 8 | 8B11. |   |   | 8 | 8B12. |
|   | 9 | 9B11. |   |   | 9 | 9B12. |
|   | 10 | 10B11. |   |   | 10 | 10B12. |
|   | 11 | 11B11. |   |   | 11 | 11B12. |
|   | 12 | 12B11. |   |   | 12 | 12B12. |
|   | 13 | 13B11. |   |   | 13 | 13B12. |
|   | 14 | 14B11. |   |   | 14 | 14B12. |
|   | 15 | 15B11. |   |   | 15 | 15B12. |
|   | 16 | 16B11. |   |   | 16 | 16B12. |
| 13 | 1 | 1B13. |   | 14 | 1 | 1B14. |
|   | 2 | 2B13. |   |   | 2 | 2B14. |
|   | 3 | 3B13. |   |   | 3 | 3B14. |
|   | 4 | 4B13. |   |   | 4 | 4B14. |
|   | 5 | 5B13. |   |   | 5 | 5B14. |
|   | 6 | 6B13. |   |   | 6 | 6B14. |
|   | 7 | 7B13. |   |   | 7 | 7B14. |
|   | 8 | 8B13. |   |   | 8 | 8B14. |
|   | 9 | 9B13. |   |   | 9 | 9B14. |
|   | 10 | 10B13. |   |   | 10 | 10B14. |
|   | 11 | 11B13. |   |   | 11 | 11B14. |
|   | 12 | 12B13. |   |   | 12 | 12B14. |
|   | 13 | 13B13. |   |   | 13 | 13B14. |
|   | 14 | 14B13. |   |   | 14 | 14B14. |
|   | 15 | 15B13. |   |   | 15 | 15B14. |
|   | 16 | 16B13. |   |   | 16 | 16B14. |
| 15 | 1 | 1B15. |   | 16 | 1 | 1B16. |
|   | 2 | 2B15. |   |   | 2 | 2B16. |
|   | 3 | 3B15. |   |   | 3 | 3B16. |
|   | 4 | 4B15. |   |   | 4 | 4B16. |
|   | 5 | 5B15. |   |   | 5 | 5B16. |
|   | 6 | 6B15. |   |   | 6 | 6B16. |
|   | 7 | 7B15. |   |   | 7 | 7B16. |
|   | 8 | 8B15. |   |   | 8 | 8B16. |
|   | 9 | 9B15. |   |   | 9 | 9B16. |
|   | 10 | 10B15. |   |   | 10 | 10B16. |
|   | 11 | 11B15. |   |   | 11 | 11B16. |
|   | 12 | 12B15. |   |   | 12 | 12B16. |
|   | 13 | 13B15. |   |   | 13 | 13B16. |
|   | 14 | 14B15. |   |   | 14 | 14B16. |
|   | 15 | 15B15. |   |   | 15 | 15B16. |
|   | 16 | 16B15. |   |   | 16 | 16B16. |

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| **Command** | **Function**  | **Feedback Example**  |
| **System Commands** |
| /\*Type; | Inquire the models information.  | EVMX4K08 |
| /^Version; | Inquire the version of firmware  | VX.X.X  |
| Demo. | Switch to the ―demo mode. Automatically switches inputs every 2 seconds.  | Demo Mode AV: 1-> 1 AV: 1-> 2 AV: 1-> 3 AV: 1-> 4 AV: 1-> 5 AV: 1-> 6 AV: 1-> 7 AV: 1-> 8 AV: 2-> 1 …  |
| Undo. | To cancel the previous operation.  | Undo Ok!  |

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| **Operation Commands**  |
| [x]All.  | Transfer signals from the input channel [x] to all output channels  | X To All. (X=1-8)  |
| All#.  | Transfer all input signals to the corresponding output channels respectively like 1->1, 2->2…  | All Through.  |
| All$.  | Switch off all the output channels.  | All Closed.  |
| [x]#.  | Transfer signals from the input channel [x] to the output channel [x].  | X Through. (X=1~8)  |

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| **Command**  | **Function**  | **Feedback Example**  |
| [x]$.  | Switch off the output channel [x].  | X Closed. (X=1~8)  |
| [x]@.  | Switch on the output channel [x].  | X Open. (X=1~8)  |
| All@.  | Switch on all output channels.  | All Open.  |
| [x1]V[x2].  | Transfer the AV signal from the input channel [x1] to one or several output channels ([x2], separate output channels with comma).  | AV: X1-> X2 (X1/X2=1~8)  |
| [x1]B[x2].  | Transfer the AV and IR signal from input channel [x1] to one or several output channels ([x2], separate output channels with comma).  | AV: X1-> X2 (X1/X2=1~8)  |
| Status[x].  | Check the I/O connection status of output [x]  | AV: Y-> X (X=1~8, Y=1~8)  |
| Status.  | Inquire the input channel to the output channels one by one.  | AV: 1-> 1 AV: 2-> 2 AV: 3-> 3 AV: 4-> 4 AV: 5-> 5 AV: 6-> 6 AV: 7-> 7 AV: 8-> 8  |
| Save[Y].  | Save the present operation to the preset command [Y], ranges from 0 to 9.  |  Save To FY (Y=0-9)  |
| Recall[Y].  | Recall the preset command [Y].  |  Recall From FY (Y=0-9)  |
| Clear[Y].  | Clear the preset command [Y].  |  Clear FY (Y=0-9)  |
| PWON.  | Work in normal mode.  | PWON  |
| PWOFF.  | Enter into standby mode and cut off the power supply to HDBaseT receivers.  | PWOFF  |
| STANDBY.  | Enter into standby mode. (Do not cut off the power supply to HDBaseT receivers, press other buttons or send other commands to start.)  | STANDBY  |
| EDIDH[x]B[y].  | Input port [y] learns the EDID from output port [x]. If the EDID data is available and the audio part supports not only PCM mode, then force-set it to support PCM mode only. If the EDID data is not available, then set it as initialized EDID data.  | EDIDH[x]B[y]  |
| EDIDPCM[x].  | Set the audio part of input port [x] to PCM format in EDID database.  | EDIDPCM[x]  |
| EDIDG[x].  | Get EDID data from output [x] and display the output port number.  | Hexadecimal EDID data and carriage return character  |
| EDIDMInit.  | Restore the factory default EDID data of every input.  | EDIDMInit.  |
| EDIDM[X]B[Y].  | Manually EDID switching. Enable input[Y] to learn the EDID data of output[X]. If the EDID data is not available, then set it as initialized EDID data.  | EDIDM[X]B[Y]  |
| EDID/[x]/[y].  | Set the EDID data of input port [x] to built-in EDID No.[y]. [y]=1~6, correspond to the 6 embedded EDID data 1. 1080P 3D 2CH
2. 1080P 3D Multichannel
3. 1080P 2D 2CH
4. 1080P 2D Multichannel
5. 3840x2160 2D (30Hz)

4096x2160 2D (30Hz) | EDID/[x]/[y]  |
| GetInPortEDI D[X].  | Return the EDID data of input [x], [x]=1~8  |   |
| %0900.  | Switch to carrier native mode.  | Carrier native  |
| %0901.  | Switch to force carrier mode.  | Force carrier  |
| %0911.  | Reset to factory default.  | Factory Default  |
| %9951.  | Check the command sent by port 1 when PWON.  |  Port 1:data whenPWON  |
| %9952.  | Check the command sent by port 2 when PWON.  |  Port 2:data whenPWON  |
| %9953.  | Check the command sent by port 3 when PWON.  |  Port 3:data whenPWON  |
| %9954.  | Check the command sent by port 4 when PWON.  |  Port 4:data whenPWON  |
| %9955.  | Check the command sent by port 5 when PWON.  |  Port 5:data whenPWON  |
| %9956.  | Check the command sent by port 6 when PWON.  |  Port 6:data whenPWON  |
| %9957.  | Check the command sent by port 7 when PWON.  |  Port 7:data whenPWON  |
| %9958.  | Check the command sent by port 8 when PWON.  |  Port 8:data whenPWON  |
| %9941.  | Check the command sent by port 1 when PWOFF.  |  Port 1:data when PWOFF  |
| %9942.  | Check the command sent by port 2 when PWOFF.  |  Port 2:data whenPWOFF  |
| %9943.  | Check the command sent by port 3 when PWOFF.  |  Port 3:data whenPWOFF  |
| %9944.  | Check the command sent by port 4 when PWOFF.  |  Port 4:data whenPWOFF  |
| %9945.  | Check the command sent by port 5 when PWOFF.  |  Port 5:data whenPWOFF  |
| %9946.  | Check the command sent by port 6 when PWOFF.  |  Port 6:data whenPWOFF  |
| %9947.  | Check the command sent by port 7 when PWOFF.  |  Port 7:data whenPWOFF  |
| %9948.  | Check the command sent by port 8 when PWOFF.  |  Port 8:data whenPWOFF  |
| %9961.  | Check the system locking status.  | System Unlock! /Locked |
| %9962.  | Check the status while in standby mode.  | STANDBY/PWON/ PWOFF  |
| %9963.  | Check the working mode of infrared carrier.  | Carrier native/ Force carrier  |
| %9964.  | Check the IP address.  | IP:192.168.0.178 (default)  |
| **Command**  | **Function**  | **Feedback Example**  |
| %9971.  | Check the connection status of the inputs.  | In 1 2 3 4 Connect N Y Y Y In 5 6 7 8 Connect N Y Y Y  |
| %9972.  | Check the connection status of the outputs.  | Out 1 2 3 4 Connect N Y Y Y Out 5 6 7 8 Connect N Y Y Y  |
| %9975.  | Check the I/O connection status.  | Out 1 2 3 4  In 1 2 3 4 Out 5 6 7 8 In 5 6 7 8  |
| %9976.  | Check the output resolution.  | Resolution Out 1 0000x0000 Out 2 1920x1080 Out 3 1920x1080 Out 4 1920x1080 Out 5 0000x0000 Out 6 1920x1080 Out 7 1920x1080 Out 8 1920x1080  |
| %9978.  | Check the HDCP compliant status of the inputs.  | In 1 2 3 4 HDCPEN Y Y Y Y In 5 6 7 8 HDCPEN Y Y Y Y  |