**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. |

|  |  |  |
| --- | --- | --- |
| **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! |

|  |  |  |  |
| --- | --- | --- | --- |
| **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) |

|  |  |  |
| --- | --- | --- |
| **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 when  PWON |
| %9952. | Check the command sent by port 2 when PWON. | Port 2:data when  PWON |
| %9953. | Check the command sent by port 3 when PWON. | Port 3:data when  PWON |
| %9954. | Check the command sent by port 4 when PWON. | Port 4:data when  PWON |
| %9955. | Check the command sent by port 5 when PWON. | Port 5:data when  PWON |
| %9956. | Check the command sent by port 6 when PWON. | Port 6:data when  PWON |
| %9957. | Check the command sent by port 7 when PWON. | Port 7:data when  PWON |
| %9958. | Check the command sent by port 8 when PWON. | Port 8:data when  PWON |
| %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 when  PWOFF |
| %9943. | Check the command sent by port 3 when PWOFF. | Port 3:data when  PWOFF |
| %9944. | Check the command sent by port 4 when PWOFF. | Port 4:data when  PWOFF |
| %9945. | Check the command sent by port 5 when PWOFF. | Port 5:data when  PWOFF |
| %9946. | Check the command sent by port 6 when PWOFF. | Port 6:data when  PWOFF |
| %9947. | Check the command sent by port 7 when PWOFF. | Port 7:data when  PWOFF |
| %9948. | Check the command sent by port 8 when PWOFF. | Port 8:data when  PWOFF |
| %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 |