Section D - Commands

The Peak series of matrices have a number of commands for control and query to allow full control. Each command is listed in this section with a description and example to help understand the commands.

The following commands are available:

Audio Routing and Status

Video Routing and Status

Digital Audio Routing and Status

Audio/Video/Digital Routing and Status

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General Status

Configuration Commands

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Legend:

xx   =   unit ID number 00 to 15
ii   =   input number 00 to 64
oo   =   output number 01 to 64
yy   =   value to set

Audio Routing Commands

MXxxAiioo<CR>	
Route an audio input to an audio output	MX00A0103<CR>
	Routes audio input 1 to output 3
Response: MXxx-Audio=ii to oo<CR>	

MXxxAiio1,o2,o3,o4,o5,o6,o7,o8<CR>	
Route an audio input to as many as 10 outputs	MX00A0101,02,03,04,05,06,07,08,09,10<CR>
	Routes audio input 1 to outputs 1 to 8
	MX00A0101,02,03,04<CR>
	Routes audio input 1 to outputs 1 to 4
Response: MXxx-Audio=ii to oo<CR> (for each route made)	

MXxxAAii<CR>	
Routes an audio input to all outputs	MX00AA02<CR>
	Routes audio input 2 to all audio outputs
Response: MXxx-Audio=ii to oo<CR> (for each route made)	

MXxxABooyy<CR	
Sets a balance level for an output	MX00AB0249<CR>
yy=00 for full left yy=49 for center yy=99 full right	Output 2 is set for equal balance between left and right channels.
Response: MXxx-Balance oo set to yy<CR>	

MXxxAFoo<CR>	
Turn an audio output off	MX00AF03<CR>
	Turn off audio output number 3
Response: MXxx-Audio=00 to oo<CR>	

MXxxAMoo(y)<CR>

Mute an audio output	MX00AM03<CR>
absence of (y) will result in a toggle of the mute adding (y) is optional for setting a mute directly y = 0 turns off the mute for the output y = 1 turn on the mute for the output	Toggle the mute of output 3
	MX00AM021<CR>
	Enables the mute for output 2

Response: MXxx-Audio=00 to oo<CR> (for each route made)

MXxxAPiiyy<CR>

Set the level adjustment for an audio input	MX00AP0132<CR>
yy = 00 to 48 yy = 32 for 0dB pass yy adjusts in 0.5dB steps	Sets audio input 1 to 0dB pass

Response: MXxx-Sensitivity ii set to yy<CR>

MXxxAPAyy<CR>

Set the level adjustment for all audio inputs	MX00APA32<CR>
yy = 00 to 48 yy = 32 for 0dB pass yy adjusts in 0.5dB steps	Sets all audio inputs to 0dB pass

Response: MXxx-Sensitivity ii set to yy<CR> (for each input changed)

MXxxAUooyy<CR>

Sets an audio output volume level	MX00AU0132<CR>
yy = 00 (-64dB Minimum) yy = 32 (0dB Pass Through) yy = 48 (+32dB Maximum)	Sets audio output 1 to 0dB pass

Response: MXxx-Volume oo to yy<CR>

MXxxAUAyy<CR>

Sets all audio outputs to a volume level	MX00AUA32<CR>
yy = 00 (-64dB Minimum) yy = 32 (0dB Pass Through) yy = 48 (+32dB Maximum)	Sets all audio outputs 1 to 0dB pass

Response: MXxx-Volume oo to yy<CR> (for each output changed)

MXxxAYoo<CR>

Step an audio output volume up one level	MX00AY03<CR>
	Step up audio output number 3 up one step

Response: MXxx-Volume oo to yy<CR>

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MXxxAZoo<CR>	
Step an audio output volume down one level	MX00AY03<CR>
	Step down audio output number 3 up one step
Response: MXxx-Volume oo to yy<CR>	

MXxxSA(oo)<CR>	
Query for the status of an audio route.	MX00SA<CR>
	Returns the status of all the audio routes
	MX00SA04<CR>
	Returns the routing status of audio output number 4
Response: MXxx-Audio=ii to oo<CR> (each output will be sent if output number not specified)	

MXxxSAB(oo)<CR>	
Query for the status of an audio output balance	MX00SAB<CR>
	Returns the balance status of all the audio outputs
	MX00SAB04<CR>
	Returns the balance status of audio output number 4
Response: MXxx-Balance oo set to yy<CR> (each output will be sent if output number not specified)	

MXxxSAM(oo)<CR>	
Query for the mute status of an audio output	MX00SAM<CR>
	Returns the mute status of all the audio outputs
	MX00SAM04<CR>
	Returns the mute status of audio output number 4
Response: MX00-Output 01 is Muted<CR> (each output will be sent if output number not specified)	

MXxxSAP(oo)<CR>	
Query for the status of an audio input level	MX00SAP<CR>
	Returns the level of all the audio inputs
	MX00SAP04<CR>
	Returns the level of audio input number 4
Response: MXxx-Sensitivity ii set to yy<CR> (each input will be sent if input number not specified)	

MXxxSAU(oo)<CR>	
Query for the status of an audio output volume	MX00SAP<CR>
	Returns the volume of all the audio outputs
	MX00SAP04<CR>
	Returns the volume of audio output number 4
Response: MXxx-Volume oo to yy<CR> (each output will be sent if output number not specified)	

MXxxZ50ooyy<CR>	
Set the maximum volume level for an output	MX00Z500432<CR>
yy=00 to 48	Set the maximum volume for output 4 to 32
Response: MXxx-Max Out Level for oo = yy<CR>	

MXxxZ51<CR>	
Read the maximum volume level for all outputs	MX00Z51<CR>
	Read all output maximum volume levels
Response: MXxx-Max Out Level for oo = yy<CR> (each output will be sent)	

MXxxZ57y<CR>	
Enable/Disable volume control	MX00Z570<CR>
y=0 to disable volume control	Disable volume control in the matrix
y=1 to enable volume control	
	MX00Z571<CR>
	Enable volume control in the matrix
Response: MXxx-Volume control enabled<CR> **Response: MXxx-Volume control disabled<CR>**	

MXxxZ58<CR>	
Read volume control enable/disable status	MX00Z58<CR>
	Get the status of volume control ability
Response: MXxx-Volume control enabled<CR> **Response: MXxx-Volume control disabled<CR>**	

MXxxZ59y<CR>	
Enable/Disable sensitivty control	MX00Z590<CR>
y=0 to disable sensitivty control	Disable sensitivty control in the matrix
y=1 to enable sensitivty control	
	MX00Z591<CR>
	Enable sensitivty control in the matrix
Response: MXxx-Sensitivity control enabled<CR> **Response: MXxx-Sensitivity control disabled<CR>**	

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MXxxZ60<CR>	
Read sensitivty control enable/disable status	MX00Z60<CR>
	Get the status of sensitivty control ability

Response: MXxx-Sensitivity control enabled<CR>
Response: MXxx-Sensitivity control disabled<CR>

Video Routing Commands

MXxxViioo<CR>	
Route a video input to an video output	MX00V0103<CR>
	Routes video input 1 to output 3

Response: MXxx-Video=ii to oo<CR>

MXxxViio1,o2,o3,o4,o5,o6,o7,o8,o9,o10<CR>	
Route an video input to as many as 10 outputs	MX00V0101,02,03,04,05,06,07,08,09,10<CR>
	Routes video input 1 to outputs 1 to 10
	MX00V0101,02,03,04<CR>
	Routes video input 1 to outputs 1 to 4

Response: MXxx-Video=ii to oo<CR> (for each route made)

MXxxVAii<CR>	
Routes a video input to all outputs	MX00VA02<CR>
	Routes video input 2 to all video outputs

Response: MXxx-Video=ii to oo<CR> (for each route made)

MXxxVFoo<CR>	
Turn a video output off	MX00VF03<CR>
	Turn off video output number 3

Response: MXxx-Video=00 to oo<CR>

MXxxSV(oo)<CR>	
Query for the status of a video route.	MX00SV<CR>
	Returns the status of all the video routes
	MX00SV04<CR>
	Returns the routing status of video output number 4

Response: MXxx-Video=ii to oo<CR> (each output will be sent if output number not specified)

A/V Routing Commands

MXxxBiioo<CR>	
Route an a/v input to an a/v output	MX00B0103<CR>
	Routes a/v input 1 to output 3
Response: MXxx-A/V=ii to oo<CR>	

MXxxBiio1,o2,o3,o4,o5,o6,o7,o8,o9,o10<CR>	
Route an a/vinput to as many as 10 outputs	MX00B0101,02,03,04,05,06,07,08,09,10<CR>
	Routes a/v input 1 to outputs 1 to 10
	MX00B0101,02,03,04<CR>
	Routes a/v input 1 to outputs 1 to 4
Response: MXxx-A/V=ii to oo<CR> (for each route made)	

MXxxBAii<CR>	
Routes an a/v input to all outputs	MX00BA02<CR>
	Routes a/v input 2 to all video outputs
Response: MXxx-A/V=ii to oo<CR> (for each route made)	

MXxxBFoo<CR>	
Turn an a/v output off	MX00BF03<CR>
	Turn off a/v output number 3
Response: MXxx-A/V=00 to oo<CR>	

MXxxSB(oo)<CR>	
Query for the status of an a/v route.	MX00SB<CR>
	Returns the status of all the a/v routes
	MX00SB04<CR>
	Returns the routing status of a/v output number 4
Response: MXxx-A/V=ii to oo<CR> (each output will be sent if output number not specified)	

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Configuration Commands

MXxxZ01<CR>	
Query how many audio inputs installed	MX00Z01<CR>
	Query how many audio inputs are installed
Response: MXxx-Audio inputs = yy<CR>	

MXxxZ02<CR>	
Query how many video inputs installed	MX00Z02<CR>
	Query how many video inputs are installed
Response: MXxx-Video inputs = yy<CR>	

MXxxZ03<CR>	
Query how many audio outputs installed	MX00Z03<CR>
	Query how many audio outputs are installed
Response: MXxx-Audio outputs = yy<CR>	

MXxxZ04<CR>	
Query how many video outputs installed	MX00Z04<CR>
	Query how many video outputs are installed
Response: MXxx-Video outputs = yy<CR>	

MXxxZ06<CR>	
Query matrix model number	MX00Z06<CR>
	Query for the model number of the matrix
Response: MXxx-Model No. = MX-0808NAD/R<CR>	

MXxxZ07<CR>	
Query for the matrix hardware level	MX00Z07<CR>
	Query for the hardware level in the matrix
Response: MXxx-Hardware Code = MTX-1616-B<CR>	

MXxxZ08<CR>	
Query matrix hardware revision level	MX00Z08<CR>
	Query how many video outputs are installed
Response: MXxx-Hardware revision = 1.000<CR>	

MXxxZ09<CR>	
Query for the matrix software revision level	MX00Z09<CR>
	Query for the software level in the matrix
Response: MXxx-Software revision = 1.000<CR>	

MXxxZ10<CR>	
Query for the matrix serial number	MX00Z10<CR>
	Query for the serial number of the matrix
Response: MXxx-Serial No. = MTX09B1000<CR>	

MXxxZ13y<CR>	
Enable/Disable front panel controls	MX00Z131<CR>
y = 0 for disable	Enables front panel controls (default mode)
y = 1 for enable	
Response: MXxx-Front Panel is (locked/unlocked)<CR>	

MXxxZ17y<CR>	
Set volume mode to linear or logarithmic	MX00Z251<CR>
y = 0 for linear	Sets volume to logarithmic mode (default mode)
y = 1 for logarithmic	
Response: MXxx-Volume is Logarithmic<CR>	

MXxxZ18y<CR>	
Set mute release on volume change	MX00Z251<CR>
y = 0 to keep mute on when volume is changed	Sets mute release to on (default mode)
y = 1 to turn mute off when volume is changed	
Response: MXxx-Mute Release is (Enabled/Disabled)<CR>	

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