

B.2.1 M Series Setup Personality

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
1	Safety	Slider Lock	0-171 Locked 172-255 Unlocked	255	No Channel changes will be applied when this control is locked. Channel changes made while the slider is locked will be applied once the slider becomes unlocked.
2	Video	Fade to/from Black	0-85 Black screen (Picture mute ON) 172-255 Live Video (Picture mute OFF)	255	If you wish to manually control the fade to black time, the brightness channel can be used to achieve the same effect.
3	Lens	Shutter	0-85 Shutter Closed (Black Screen) 172-255 Shutter Open (Live Video)	255	
4	Lens	Lens shift enable	0-85 Lens shift disable 172-255 Lens shift enable	255	Locks all lens motors.
5	Lens	Zoom (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 2100	125	Locked by channel "Lens shift enable".
6	Lens	Zoom (Fine)		0	
7	Lens	Zoom (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 2100	128	Locked by channel "Lens shift enable".
8	Lens	Zoom (Fine)		0	
9	Lens	Lens Horizontal position (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 4096	128	Locked by channel "Lens shift enable"
10	Lens	Lens Horizontal position (Fine)		0	
11	Lens	Lens Vertical position (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 4096	128	Locked by channel "Lens shift enable"
12	Lens	Lens Vertical position (Fine)		0	
13	Input	Channel	Projector Channel Selection 0 to 9 Projector Channel 1 10 to 19 Projector Channel 2 20 to 29 Projector Channel 3 — 180 to 189 Projector Channel 19 190 to 199 Projector Channel 20	255	

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
14	Input	Input	Input Selection 0 to 9 Slot 1, Input 1 10 to 19 Slot 1, Input 2 — 50 to 59 Slot 1, Input 6 60 to 69 Slot 2, Input 1 — 110 to 119 Slot 2, Input 6 120 to 129 Slot 3, Input 1 — 170 to 179 Slot 3, Input 6 180 to 189 Slot 4, Input 1 — 230 to 239 Slot 4, Input 6	255	Will not change input on default
15	Image	Image Freeze	0-85 Unfreeze image 172-255 Freeze Image	0	
16	Lamps/ Power	Power	0-85 Power Off (Switch lamps off, cool lamps down and go to Standby mode) 172-255 Power On (Switch lamps on, warm up mode)	128	A 5 second timer will be used before executing a power state change. If the slider moves out of the On/Off range within the 5 seconds, the timer will be cancelled. Will not change power stat on default.
17	Image	Size	0 to 255 Scaled as % of total control range, which is 200 to 4000	67	
18	Image	Vertical Stretch	0 to 255 Scaled as % of total control range, which is 200 to 3000	91	
19	Setup Functions	Projector Orientation	0-49 Front Projection 50-99 Rear Projection 100-149 Front Projection Inverted 150-199 Rear Projection Inverted	255	Will not change projector orientation on default.
20	Setup Functions	On Screen Display	0-85 OSD Off 172-255 OSD On	128	Will not change OSD on default.
21	Setup Functions	Lens Calibrate	172-255 Run calibration	0	Locked by channel "Lens shift enable".
22	Setup Functions	Lamp Power	Scaled as % of total control range. Examples are given for 350W and 200W lamps: 0 0% 300 Watt / 150 Watt — 127 50% 335 Watt / 175 Watt — 255 100% 370 Watt / 200 Watt	255	Depends on what lamps are used, power rating may be different scale.

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
23	Setup Functions	Lamp Mode	0-85 Auto Select Single lamp 172-255 Dual Lamp Mode	128	Will not change lamp mode on default.
24	Setup Functions	Test Pattern	0-19 Off 20-39 Grid 40-59 Grey Scale 16 60-79 White 80-99 Flat Grey 100-119 Black 120-139 Checker 140-159 13 Point 160-179 Color Bars 180-199 Aspect Ratio 200-219 Edge Blend 220-239 Boresight	0	
25	Colormetry	Brightness	0 to 255 Scaled as % of total control range, which is 0 to 100	128	
26	Colormetry	Contrast	0 to 255 Scaled as % of total control range, which is 0 to 100	128	
27	Colormetry	Gamma	0 to 255 Scaled as % of total control range, which is -100 to 100	128	
28	Colormetry	Color Space	0-49 RGB 50-99 YCbCr SDTV (ITU-R BT.601) 100-149 YCbCr HDTV (ITU-R BT.709)	0	
29	Colormetry	Output Color	0-19 Max Drivers 20-39 Color Temperature (enables 31) 40-59 SD Video 60-79 HD Video 80-99 User setting 1 100-119 User setting 2 120-139 User setting 3 140-159 User setting 4	0	
30	Colormetry	Color Purity Filter	0-85 CPF Off 172-255 CPF On This is the global CPF control, not the channel control.	0	

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
31	Colorimetry	Interpolated Color (Temperature)*	0 to 255 Scaled as % of total control range, which is 3200 to 9300	128	*Output Color control must be set to “Color Temperature” in DMX channel 29
32	Advanced Image	Blend enable	0-19 Blend disable 20-39 Standard Blend enable 40-59 User Blend 1 enable 60-79 User Blend 2 enable — 220-239 user Blend 10 enable	0	The list of blends depends on the blends having been saved on the projector by the user.
33	Advanced Image	Warp/keystone enable	0-19 Warp/keystone disable 20-39 2D Keystone enable 40-59 Warp 1 enable — 220-239 Warb 10 enable	0	The list of warps depends on the warps having been saved on the projector by the user.
34	Real Time Events	RTE 1	0-85 Cancel current running RTE 172-255 Triggers RTE 1	128	
35	Real Time Events	RTE 2	0-85 Cancel current running RTE 172-255 Triggers RTE 2	128	
36	Real Time Events	RTE 3	0-85 Cancel current running RTE 172-255 Triggers RTE 3	128	
37	Reserved		Reserved for future expansion	No reset	
38	Reserved		Reserved for future expansion	No reset	

B.2.2 M Series Show Personality

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
1	Safety	Slider Lock	0-171 Locked 172-255 Unlocked	255	No channel changes will be applied when this control is locked. Channel changes made while the slider is locked will be applied once the slider becomes unlocked.
2	Video	Fade to/from Black	0-85 Black screen (Picture mute ON) 172-255 Live video (Picture mute OFF)	255	If you wish to manually control the fade to black time, the brightness channel can be used to achieve the same effect.
3	Lens	Shutter	0-85 Shutter Closed (Black Screen) 172-255 Shutter Open (Live Video)	255	

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
4	Lens	Lens shift enable	0-85 Lens shift disable 172-255 Lens shift enable	255	Lock all lens motors.
5	Lens	Zoom (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 2100	128	Locked by channel "Lens shift enable".
6	Lens	Zoom (Fine)		0	
7	Lens	Focus (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 2100	128	Locked by channel "Lens shift enable".
8	Lens	Focus (Fine)		0	
9	Lens	Lens Horizontal position (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 4096	128	Locked by channel "Lens shift enable".
10	Lens	Lens Horizontal position (Fine)		0	
11	Lens	Lens Vertical position (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 4096		Locked by channel "Lens shift enable".
12	Lens	Lens Vertical position (Fine)			
13	Input	Channel	Projector Channel Selection 0 to 9 Projector Channel 1 10 to 19 Projector Channel 2 20 to 29 Projector Channel 3 180 to 189 Projector Channel 19 190 to 199 Projector Channel 20	255	
14	Input	Input	Input Selection 0 to 9 Slot 1, Input 1 10 to 19 Slot 1, Input 2 50 to 59 Slot 1, Input 6 60 to 69 Slot 2, Input 1 110 to 119 Slot 2, Input 6 120 to 129 Slot 3, Input 1 170 to 179 Slot 3, Input 6 180 to 189 Slot 4, Input 1 230 to 239 Slot 4, Input 6	255	Will not change input on default.
15	Image	Image Freeze	0-85 Unfreeze image 172-255 Freeze image	0	

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
16	Lamps/ Power	Power	0-85 Power Off (Switch lamps off, cool lamps down and go to Standby mode) 172-255 Power On (Switch lamps on, warm up mode)	128	A 5 second timer will be used before executing a power state change. If the slider moves out of the On/Off range within the 5 seconds, the timer will be cancelled. Will not change power state on default.
17	Reserved		Reserved for future expansion	No Reset	
18	Reserved		Reserved for future expansion	No Reset	

B.2.3 M Series Nitro VIP Projector Yoke Personality

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
1	Video	Fade to/from Black	0-85 Black screen (Picture mute ON) 172-255 Live video (Picture mute OFF) 0 Shutter Closed 1-255 Shutter Open	255	If a value of 0 is set, the shutter will be closed. Any non-zero values will open the shutter. If you wish to manually control the fade to black time, the brightness channel can be used to achieve the same effect.
2	Lens	Shutter	0-85 Shutter Closed (Black Screen) 172-255 Shutter Open (Live Video)	255	
3	Lens	Lens shift enable	0-85 Lens shift disable 172-255 Lens shift enable	255	Locks all lens motors
4	Lens	Zoom (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 2100	128	Locked by channel "Lens shift enable".
5	Lens	Zoom (Fine)		0	
6	Lens	Focus (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 2100	128	Locked by channel "Lens shift enable".
7	Lens	Focus (Fine)		0	
8	Lens	Lens Horizontal position (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 2100	128	Locked by channel "Lens shift enable".
9	Lens	Lens Horizontal position (Fine)		0	
10	Lens	Lens Vertical position (Coarse)	0 to 255 Scaled as % of total control range, which is 0 to 2100	128	Locked by channel "Lens shift enable".
11	Lens	Lens Vertical position (Fine)		0	

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
12	Input	Input	Projector Channel Selection 1 to 20 Projector Channel 1 to 20 — 86 LOAD — Input Selection 111 to 116 Slot 1, Input 1 to 6 121 to 126 Slot 2, Input 1 to 6 131 to 136 Slot 3, Input 1 to 6 141 to 146 Slot 4, Input 1 to 6 — 171 EXECUTE	255	
13	Image	Size	0 to 255 Scaled as % of total control range, which is 200 to 4000	67	
14	Image	Vertical Stretch	0 to 255 Scaled as % of total control range, which is 200 to 3000	91	
15	Macro	Function	Projector Orientation 0-9 Front Projection 10-19 Rear Projection 20-29 Front Projection Inverted 30-39 Rear Projection Inverted — On Screen Display 40-59 OSD On 50-59 OSD Off 60-69 Lens Calibrate — 86 LOAD — Test Pattern 100-104 Off 105-109 Grid 110-114 Grey Scale 16 115-119 White 120-124 Flat Grey 125-129 Black 130-134 Checker 135-139 13 Point 140-144 Color Bars 145-149 Aspect Ratio 150-154 Edge Blend 155-159 Boresight — 171 EXECUTE — Image Freeze 200-209 Freeze image 210-219 Unfreeze image	255	Lens Calibrate is locked by channel "Lens shift enable".

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
16	Lamp/ Power	Lamp/Power functions	<p>Lamp Power</p> <p>Scaled as % of total control range,. Examples are given for 350W and 200W lamps:</p> <p>00 0% 300 Watt / 150 Watt</p> <p>—</p> <p>10 310 Watt / 157 Watt</p> <p>—</p> <p>20 320 Watt / 164 Watt</p> <p>—</p> <p>30 330 Watt / 171 Watt</p> <p>—</p> <p>40 340 Watt / 178 Watt</p> <p>—</p> <p>50 350 Watt / 185 Watt</p> <p>—</p> <p>60 360 Watt / 192 Watt</p> <p>—</p> <p>70 100% 370 Watt / 200 Watt</p> <p>86 LOAD</p> <p>171 EXECUTE</p> <p>Lamp Mode</p> <p>90 Auto select Single Lamp</p> <p>95 Dual Lamp Mode</p> <p>Power Mode</p> <p>100 Power Off (Switch lamps off, cool lamps down and go to Standby mode)</p> <p>105 Power On (Switch lamps on, warm up mode)</p>	255	
17	Colormetry	Brightness	0 to 255 Scaled as % of total range, which is 0 to 100	128	
18	Colormetry	Contrast	0 to 255 Scaled as % of total range, which is 0 to 100	128	
19	Colormetry	Gamma	0 to 255 Scaled as % of total range, which is -100 to 100	128	

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
20	Colormetry	Video Signal/ Color space, Output Color, and CPF	<p>Color Space</p> <p>0-9 RGB</p> <p>10-19 YCbCr SDTV (ITU-R BT.601)</p> <p>20-29 YCbCr HDTV (ITU-R BT.709)</p> <p>86 LOAD</p> <p>Output Color</p> <p>90-99 Max Drives</p> <p>100-109 Color Temperature (enables 21)</p> <p>110-119 SD Video</p> <p>120-129 HD Video</p> <p>130-139 User setting 1</p> <p>140-149 User setting 2</p> <p>150-159 User setting 3</p> <p>160-169 User setting 4</p> <p>171 EXECUTE</p> <p>Yellow Notch Filter</p> <p>180-189 CPF Off</p> <p>190-199 CPF On</p> <p>This is the global CPF control, not the channel control.</p>	255	
21	Colormetry	Interpolated Color (Temperature)*	0 to 255 Scaled as % of total control range, which is 3200 to 9300	128	*Output Color control must be set to “Color Temperature” in DMX channel 20.

CHANNEL	GROUP	NAME	DESCRIPTION	DEFAULT VALUE	NOTES
22	Advanced Image	Blend and Warp/keystone enable	Blend 0-4 Blend disable 5-9 Standard Blend enable 10-14 User Blend 1 enable 15-19 User Blend 2 enable — 60-64 User Blend 11 enable 86 LOAD 171 EXECUTE Output Color 180-184 Warp/keystone disable 185-189 2D Keystone enable 190-194 Warp 1 enable — 240-244 Warp 11 enable	255	The list of warp and blends available depends on the warps and blends saved on the projector by the user.
23	Real Time Events	RTE	0-9 Cancel current running RTE 10-19 Triggers RTE 1 20-29 Triggers RTE 2 30-39 Triggers RTE 3 40-49 Triggers RTE 4 50-59 Triggers RTE 5 60-69 Triggers RTE 6 70-79 Triggers RTE 7 86 LOAD 171 EXECUTE	255	
24	Reserved		Reserved for future expansion	0	
25	Reserved		Reserved for future expansion	0	



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