

Thibs Resolume Layer V7
DMX Chart
Fixture GMA2
GrandMA2 V 3.9.6.28
Resolume V 7.13.2 rev 17774

| Chan Num | GMA2 Channel Name | Description | Resolume Shortcut Name | Modes (0-255) | Default (in%) | Notes |
|----------|-------------------------------------|-------------------------|--|--|---------------|--------------------------------------|
| 1 | DIM2 (DIM) | Layer 1 Master dimmer | Composition Layers 1 Master | 0-255 0 = 0 FULL = 255 | 100 | <i>Doesn't react to dimmer wheel</i> |
| 2 | BLENDDMODE (Blend Mode) | Layer 1 Blend Mode | Composition Layers 1 Video Mixer Blendmode | 59 modes USE PRESETS <i>one mode = approx. 5bit Bit range is maybe off a little but presets are correct</i> | 19 (Add) | |
| 3 | VIDEOLEVEL2 (VideoLevel) | Layer 1 Video Dimmer | Composition Layers 1 Video Opacity | 0-255 0 = 0 FULL = 255 | 100 | |
| 4 | CLIPSELECT2 (ClipSelect) | Layer 1 Clip Select | Composition Layers 1 Connectspecificclip | Clip from 1 to 255 | 0 | |
| 5 | DECK2 (Deck) | Composition Deck Select | Composition Selectspecificdeck | Deck from 0 to 255 | 0 | CHANGES FOR ALL COMPOSITION ! |
| 6 | CROSSFADER GROUP (Crossfader Group) | Crossfader Group Assign | Composition Layers 1 Crossfadergroup In | None = 0-84 A = 85-169 B = 170-254 | 0 | |

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| 7 | AUTOPILOT (Autopilot) | Layer 1 Autopilot Mode | Composition Layers 1 Clear | Backwards = 0-63 OFF = 64 - 127 Forward = 128-191 Random = 192-254 | 35 (OFF) | |
| 8 | PLAYBACKSP EED2 (Playback Speed) | Layer 1 Playback Speed | Composition Layers 1 Speed | 0-255 0% = 0 100% = 64 200% = 97 500% = 168 1000% = 255 | 25.2 (100%) | |
| 9 | PLAYMODE2 (Playback Mode) | Layer 1 Playback Mode | Composition Layers 1 Playmode | Loop = 1-63 Bounce = 64- 127 Play Once = 128-191 Play once and freeze = 192- 254 | 1 (loop) | |
| 10 | PLAYDIRECTI ON (Playback Direction) | Layer 1 Playback Direction | Composition Layers 1 Direction | Backwards = 0-84 Pause = 85- 169 Forward = 170-255 | 100 (forward) | |
| 11-12 16 bit | PLAYHEAD3 (Playhead) | Layer 1 Playhead | Composition Layers 1 Position | 0-65535 Start = 0 End = 65535 | 0 | |

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| 13 | TRANSITIONBLEND (Transition Blend Mode) | Transition Blend mode | Composition Layers 1 Video Transition Mixer Blendmode | 49 modes USE PRESETS <i>one mode = approx. 5bit Bit range is maybe off a little but presets are correct</i> | 0 (Add) | |
| 14 | TRANSITIONTIME2 (Transition Time) | Transition Time | Composition Layers 1 Video Transition Duration | 0-255 0 sec = 0 1 sec = 26 2 sec = 51 3 sec = 77 4 sec = 102 5 sec = 128 10 sec = 255 | 0 | |
| 15 | TRANSPORTTYPE (transport Type) | Selected Clip Transport Type | Composition Selectedclip Transporttype | Timeline = 0-42 BPM = 43-84 SMPTE 1 = 85-126 SMPTE 2 = 127-169 Denon = 170-212 Pioneer DJ : 213-255 | 0 (Timeline) | For selected Clip ! |
| 16 | PLAYBACKDIRECTION2 (Clip Direction) | Selected Clip Playback Direction | Composition Selectedclip Transport Position Behaviour Playdirection | Backwards = 0-84 Pause = 85-169 Forward = 170-255 | 100 (forward) | For selected Clip ! |
| 17 | PLAYMODE3 (Clip Mode) | Selected Clip Playback Mode | Composition Selectedclip Transport Position Behaviour Playmode | Loop = 1-63 Bounce = 64-127 Play Once = 128-191 Play once and freeze = 192-254 | 1 (loop) | For selected Clip ! |

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| 18 | PLAYEND (Clip Start) | Selected Clip Starting mode | Composition Selectedclip Transport Position Behaviour Playmodeaway + Composition Layers 1 Playmodeaway | from beginning = 0-84 where it was = 85-168 previous clip position = 169-254 | 0 | For selected Clip + Layer |
| 19 | PLAYSPEED (Clip Speed) | Selected Clip Speed | Composition Selectedclip Transport Position Behaviour Speed | 0-255 0% = 0 100% = 64 200% = 97 500% = 168 1000% = 255 | 25.2 (100%) | For selected Clip ! |
| 20-21 16 bit | PLAYHEAD4 (Clip Playhead) | Selected Clip Playhead | Composition Selectedclip Transport Position | 0-65535 Start = 0 End = 65535 | 0 | For selected Clip ! |
| 22-23 16 bit | INPOINT2 (Clip InPoint) | Selected Clip Start Point | Composition Selectedclip Transport Position | 0-65535 Start = 0 End = 65535 | 0 | For selected Clip ! |
| 24-25 16 bit | OUTPOINT2 (Clip OutPoint) | Selected Clip End Point | Composition Selectedclip Transport Position | 0-65535 Start = 0 End = 65535 | 100 | For selected Clip ! |
| 26 | CUE1 (Cuepoint 1) | Trigger Selected Clip Cuepoint 1 | Composition Selectedclip Transport Cuepoints Jumpparams Jump 1 | Off = 0 On = 1-255 | 0 | For selected Clip ! |
| 27 | CUE2 (Cuepoint 2) | Trigger Selected Clip Cuepoint 2 | Composition Selectedclip Transport Cuepoints Jumpparams Jump 2 | Off = 0 On = 1-255 | 0 | For selected Clip ! |

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| 28 | CUE3 (Cuepoint 3) | Trigger Selected Clip Cuepoint 3 | Composition Selectedclip Transport Cuepoints Jumpparams Jump 3 | Off = 0 On = 1-255 | 0 | For selected Clip ! |
| 29 | CUE4 (Cuepoint 4) | Trigger Selected Clip Cuepoint 4 | Composition Selectedclip Transport Cuepoints Jumpparams Jump 4 | Off = 0 On = 1-255 | 0 | For selected Clip ! |
| 30 | CUE4 (Cuepoint 5) | Trigger Selected Clip Cuepoint 5 | Composition Selectedclip Transport Cuepoints Jumpparams Jump 5 | Off = 0 On = 1-255 | 0 | For selected Clip ! |
| 31 | CUE6 (Cuepoint 6) | Trigger Selected Clip Cuepoint 6 | Composition Selectedclip Transport Cuepoints Jumpparams Jump 6 | Off = 0 On = 1-255 | 0 | For selected Clip ! |
| 32 | CLIPSCALE (Scale to fit) | Selected clip scale to fit | Composition Selectedclip Video Scaletofit | On = 0-159 Off = 160-255 | 100 | For selected Clip ! Sets Clip Width and Height to Compositi on parameter s |
| 33-34 16 bit | CLIPWIDTH (Clip Width) | Selected Clip Width | Composition Selectedclip Video Width | 0-65535 0px = 0 1080px = 2159 2160px = 4319 32768px = 65535 | 5,86 (1920px) | For selected Clip ! |

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|------------------------|--------------------------------|-------------------------------|---|--|-------------------|------------------------------------|
| 35-36 <i>16 bit</i> | CLIPHEIGHT (Clip Height) | Selected Clip Height | Composition Selectedclip Video Height | 0-65535 0px = 0 1920px = 3840 3840px = 7679 32768px = 65535 | 3,294 (1080px) | For selected Clip ! |
| 37 | CLIPBLEND (Clip Blend Mode) | Selected Clip Blendmode | Composition Selectedclip Video Mixer Blendmode | Layer determined = 0-4 60 modes USE PRESETS <i>one mode = approx. 5bit Bit range is maybe off a little but presets are correct</i> | 0 | For selected Clip ! |
| 38 | CLIPALPHA (Clip Alpha Type) | Selected Clip Alpha Type | Composition Selectedclip Video Source Settings Alphatype | Premultiplied = 0-126 Straight = 127-255 | 0 | |
| 39 | COLORRGB1 (R) | Layer 1 red Add/subtract | Composition Layers 1 Video Effects Addsubtract Effect R | 0-255 Min = 0 normal = 128 max = 255 | 50 | |
| 40 | COLORRGB2 (G) | Layer 1 green Add/subtract | Composition Layers 1 Video Effects Addsubtract Effect G | 0-255 min = 0 normal = 128 max = 255 | 50 | |
| 41 | COLORRGB3 (B) | Layer 1 blue Add/subtract | Composition Layers 1 Video Effects Addsubtract Effect B | 0-255 min = 0 normal = 128 max = 255 | 50 | |

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| 42 | LAYEROPACITY (Color Opacity) | Color Opacity | Composition Layers 1 Video Effects Addsubstract Opacity | 0-255 min = 0 max = 255 | 100 | |
| 43 | BRIGHTNESS2 (Brightness) | Layer 1 Brightness | Composition Layers 1 Video Effects Brightnesscontrast Effect Brightness | 0-255 min = 0 normal = 128 max = 255 | 50 | |
| 44 | CONTRAST2 (Contrast) | Layer 1 Contrast | Composition Layers 1 Video Effects Brightnesscontrast Effect Contrast | 0-255 min = 0 normal = 128 max = 255 | 50 | |
| 45 | SATURATION (Saturation) | Layer 1 Saturation | Composition Layers 1 Video Effects Saturation Effect Saturation | 0-255 min = 0 normal = 128 max = 255 | 50 | |
| 46 | OPACITY11 (BSC Opacity) | Layer 1 Brightness/Co ntrast/Saturati on Opacity | Composition Layers 1 Video Effects Brightnesscontrast Opacity + Composition Layers 1 Video Effects Saturation Opacity | 0-255 min = 0 max = 255 | 100 | |
| 47 | CLIPRED (Clip Red) | Selected Clip Red channel | Composition Selectedclip Video Rscale | Off = 0-126 On = 127-255 | 100 | For selected Clip ! |
| 48 | CLIPGREEN (Clip Green) | Selected Clip Green channel | Composition Selectedclip Video Gscale | Off = 0-126 On = 127-255 | 100 | For selected Clip ! |
| 49 | CLIPBLUE (Clip Blue) | Selected Clip Blue channel | Composition Selectedclip Video Bscale | Off = 0-126 On = 127-255 | 100 | For selected Clip ! |
| 50 | CLIPALPHA2 (Clip Alpha) | Selected Clip Alpha channel | Composition Selectedclip Video Ascale | Off = 0-126 On = 127-255 | 100 | For selected Clip ! |

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| 51 | CLEAR4 (Clear) | Layer 1 Clear | Composition Layers 1 Clear | Off = 0 On = 1-255 | 0 | |
| 52 | BYPASS4 (Bypass) | Layer 1 Bypass | Composition Layers 1 Bypassed | Off = 0-126 On = 127-255 | 0 | |
| 53 | SOLOO (Solo) | Layer 1 Solo | Composition Layers 1 Solo | Off = 0-126 On = 127-255 | 0 | |
| 54 | AUDIOBALANCE (AudioBalance) | Layer 1 Audio Balance | Composition Layers 1 Audio Pan | 0-255 Left = 0 Center = 128 Right = 255 | 50 | |
| 55 | AUDIOVOLUME (AudioVolume) | Layer 1 Audio Volume | Composition Layers 1 Audio Volume | 0-255 -192db = 0 0db = 255 | 100 | |
| 56 | DASHBOARD1 (Dashboard 1) | Layer 1 Dashboard knob 1 | Composition Layers 1 Dashboard Link 1 | 0-255 0% = 0 50% = 128 100% = 255 | 0 | |
| 57 | DASHBOARD2 (Dashboard 2) | Layer 1 Dashboard knob 2 | Composition Layers 1 Dashboard Link 2 | 0-255 0% = 0 50% = 128 100% = 255 | 0 | |
| 58 | DASHBOARD3 (Dashboard 3) | Layer 1 Dashboard knob 3 | Composition Layers 1 Dashboard Link 3 | 0-255 0% = 0 50% = 128 100% = 255 | 0 | |
| 59 | DASHBOARD4 (Dashboard 4) | Layer 1 Dashboard knob 4 | Composition Layers 1 Dashboard Link 4 | 0-255 0% = 0 50% = 128 100% = 255 | 0 | |
| 60 | DASHBOARD5 (Dashboard 5) | Layer 1 Dashboard knob 5 | Composition Layers 1 Dashboard Link 5 | 0-255 0% = 0 50% = 128 100% = 255 | 0 | |
| 61 | DASHBOARD6 (Dashboard 6) | Layer 1 Dashboard knob 6 | Composition Layers 1 Dashboard Link 6 | 0-255 0% = 0 50% = 128 100% = 255 | 0 | |

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| 62 | DASHBOARD7 (Dashboard 7) | Layer 1 Dashboard knob 7 | Composition Layers 1 Dashboard Link 7 | 0-255 0% = 0 50% = 128 100% = 255 | 0 | |
| 63 | DASHBOARD8 (Dashboard 8) | Layer 1 Dashboard knob 8 | Composition Layers 1 Dashboard Link 8 | 0-255 0% = 0 50% = 128 100% = 255 | 0 | |
| 64-65 16 bit | POSITIONX (X) | Layer 1 Position X | Composition Layers 1 Video Effects Transform Positionx | 0-65535 -16384px = 0 -3840px = 25088 -1920px = 28928 0px = 32768 1920px = 36608 3840px = 40448 16384px = 65535 | 50 (0px) | |
| 66-67 16 bit | POSITIONY (Y) | Layer 1 Position Y | Composition Layers 1 Video Effects Transform Positiony | 0-65535 -16384px = 0 -2160px = 28448 -1080px = 30608 0px = 32768 1080px = 34928 2160px = 37088 16384px = 65535 | 50 (0px) | |

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|-----------------|-------------------------------|-----------------------------|--|--|-------------------|--|
| 68-69 16 bit | LAYERWIDTH (Layer Width) | Video Width | Composition Layers 1 Video Width | 0-65535 0px = 0 1920px = 3840 3840px = 7680 16384px = 65535 | 5,86 (1920px) | |
| 70-71 16 bit | LAYERHEIGHT (Layer Height) | Video Height | Composition Layers 1 Video Height | 0-65535 0px = 0 1080px = 2159 2160px = 4320 16384px = 65535 | 3,294 (1080px) | |
| 72 | LAYERSCALE (Autosize) | Layer 1 Autosize | Composition Layers 1 Video Autosize | Off = 0-31 Fill = 32-95 Fit = 96-159 Stretch = 160- 255 | 0 | |
| 73-74 16 bit | SCALEX (X) | Layer 1 Scale Width | Composition Layers 1 Video Effects Transform Scalew | 0-65535 0% = 0 100% = 6554 200% = 13107 300% = 19661 400% = 26214 500% = 32768 1000% = 65535 | 10 (100%) | |
| 75-76 16 bit | SCALEY (Y) | Composition Scale Height | Composition Layers 1 Video Effects Transform Scaleh | 0-65535 0% = 0 100% = 6554 200% = 13107 300% = 19661 400% = 26214 500% = 32768 1000% = 65535 | 10 (100%) | |

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|-----------------|----------------|--------------------------|---|--|--------------|--|
| 77-78 16 bit | SCALEALL (All) | Composition Scale All | Composition Layers 1 Video Effects Transform Scale | 0-65535 0% = 0 100% = 6554 200% = 13107 300% = 19661 400% = 26214 500% = 32768 1000% = 65535 | 10 (100%) | |
| 79-80 16 bit | ROTATEX3 (X) | Composition Rotate X | Composition Layers 1 Video Effects Transform Rotationx | 0-65535 -180° = 0 0 = 32768 + 180° = 65535 | 50 | |
| 81-82 16 bit | ROTATEY3 (Y) | Composition Rotate Y | Composition Layers 1 Video Effects Transform Rotationy | 0-65535 -180° = 0 0 = 32768 + 180° = 65535 | 50 | |
| 83-84 16 bit | ROTATEZ3 (Z) | Composition Rotate Z | Composition Layers 1 Video Effects Transform Rotationz | 0-65535 -180° = 0 0 = 32768 + 180° = 65535 | 50 | |
| 85-86 16 bit | ANCHORX (X) | Composition Anchor X | Composition Layers 1 Video Effects Transform Anchorx | 0-65535 -16384px = 0 -3840px = 25087 -1920px = 28927 0px = 32768 1920px = 36608 3840px = 40448 16384px = 65535 | 50 (0px) | |

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|-----------------|-----------------------------|------------------------------------|---|--|-------------------|--|
| 87-88 16 bit | ANCHORY (Y) | Composition Anchor Y | Composition Layers 1 Video Effects Transform Anchory | 0-65535 -16384px = 0 -2160px = 28447 -1080px = 30607 0px = 32768 1080px = 34928 2160px = 37088 16384px = 65535 | 50 (0px) | |
| 89-90 16 bit | ANCHORZ (Z) | Composition Anchor Z | Composition Layers 1 Video Effects Transform Anchorz | 0-65535 -16384px = 0 0px = 32768 16384px = 65535 | 50 | |
| 91-92 16 bit | CROPTOP2 (CropTop) | Composition Top Crop Level | Composition Video Effects Crop Effect Top | 0-65535 0px = 0 1080px = 2159 2160px = 4320 32768px = 65535 | 0 | |
| 93-94 16 bit | CROPBOTTOM2 (CropBottom) | Composition BottomCrop Level | Composition Video Effects Crop Effect Bottom | 0-65535 0px = 0 1080px = 2159 2160px = 4320 32768px = 65535 | 3,294 (1080px) | |
| 95-96 16 bit | CROPLEFT2 (CropLeft) | Composition Left Crop Level | Composition Video Effects Crop Effect Left | 0-65535 0px = 0 1920px = 3840 3840px = 7680 16384px = 65535 | 0 | |

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| 97-98 16 bit | CROPRIGHT2 (CropRight) | Composition Right Crop Level | Composition Video Effects Crop Effect Right | 0-65535 0px = 0 1920px = 3840 3840px = 7680 16384px = 65535 | 5,86 (1920px) | |
| 99 | INVERT (Invert Crop) | Composition Crop Invert | Composition Video Effects Crop Effect Invert | off = 0-127 on = 128-255 | 0 | |