

MOVING HEAD V700S-E :

DMX channel's functions and their values (24 DMX channels):

Channel 1 - Color Wheel :

| | |
|---------|--|
| 0-13 | Open / white |
| 14-27 | Color 1 |
| 28-41 | Color 2 |
| 42-55 | Color 3 |
| 56-69 | Color 4 |
| 70-83 | Color 5 |
| 84-97 | Color 6 |
| 98-111 | Color 7 |
| 112-127 | Color 8 |
| 128-187 | Forwards rainbow effect from fast to slow |
| 188-193 | No rotation |
| 194-255 | Backwards rainbow effect from slow to fast |

Channel 2 - Cyan Color Wheel :

| | |
|-------|-------------------------------|
| 0-255 | Cyan (0-white, 255-100% Cyan) |
|-------|-------------------------------|

Channel 3 - Magenta Color Wheel :

| | |
|-------|-------------------------------------|
| 0-255 | Magenta (0-white, 255-100% magenta) |
|-------|-------------------------------------|

Channel 4 - Yellow Color Wheel :

| | |
|-------|-----------------------------------|
| 0-255 | Yellow (0-white, 255-100% Yellow) |
|-------|-----------------------------------|

Channel 5 - PAN movement 8bit :

Channel 6 - TILT movement 8bit :

Channel 7 - Speed pan/tilt movement:

| | |
|---------|--------------------------------|
| 0-225 | max to min speed |
| 226-235 | blackout by movement |
| 236-245 | blackout by all wheel changing |
| 246-255 | no function |

Channel 8 - Rotating gobos, cont. rotation :

| | |
|---------|---|
| 0-9 | Open |
| 10-19 | Rot. gobo 1 |
| 20-29 | Rot. gobo 2 |
| 30-39 | Rot. gobo 3 |
| 40-49 | Rot. gobo 4 |
| 50-59 | Rot. gobo 5 |
| 60-69 | Rot. gobo 6 |
| 70-89 | Gobo 1 shake slow to fast |
| 90-109 | Gobo 2 shake slow to fast |
| 110-129 | Gobo 3 shake slow to fast |
| 130-149 | Gobo 4 shake slow to fast |
| 150-169 | Gobo 5 shake slow to fast |
| 170-189 | Gobo 6 shake slow to fast |
| 190-255 | Rot. gobo wheel cont. rotation slow to fast |

Channel 9 - Rotating gobo index, rotating gobo rotation :

| | |
|---------|---|
| 0-127 | Gobo indexing |
| 128-189 | Forwards gobo rotation from fast to slow |
| 190-193 | No rotation |
| 194-255 | Backwards gobo rotation from slow to fast |

Channel 10 - Rotating gobos, cont. rotation :

| | |
|---------|---|
| 0-9 | Open |
| 10-19 | Rot. gobo 1 |
| 20-29 | Rot. gobo 2 |
| 30-39 | Rot. gobo 3 |
| 40-49 | Rot. gobo 4 |
| 50-59 | Rot. gobo 5 |
| 60-69 | Rot. gobo 6 |
| 70-89 | Gobo 1 shake slow to fast |
| 90-109 | Gobo 2 shake slow to fast |
| 110-129 | Gobo 3 shake slow to fast |
| 130-149 | Gobo 4 shake slow to fast |
| 150-169 | Gobo 5 shake slow to fast |
| 170-189 | Gobo 6 shake slow to fast |
| 190-255 | Rot. gobo wheel cont. rotation slow to fast |

Channel 11 - Rotating gobo index, rotating gobo rotation :

| | |
|---------|---|
| 0-127 | Gobo indexing |
| 128-189 | Forwards gobo rotation from fast to slow |
| 190-193 | No rotation |
| 194-255 | Backwards gobo rotation from slow to fast |

Channel 12- 3 facet rotating prism, Prism / Gobo macros:

| | |
|---------|--------------------------------------|
| 0-3 | open |
| 4-63 | Forwards rotation from fast to slow |
| 64-67 | No rotation |
| 68-127 | Backwards rotation from slow to fast |
| 128-135 | Macro 1 |
| 136-143 | Macro 2 |
| 144-151 | Macro 3 |
| 152-159 | Macro 4 |
| 160-167 | Macro 5 |
| 168-175 | Macro 6 |
| 176-183 | Macro 7 |
| 184-191 | Macro 8 |
| 192-199 | Macro 9 |
| 200-207 | Macro 10 |
| 208-215 | Macro 11 |
| 216-223 | Macro 12 |
| 224-231 | Macro 13 |
| 232-239 | Macro 14 |
| 240-247 | Macro 15 |
| 248-255 | Macro 16 |

Channel 13 – Focus:

| | |
|-------|--|
| 0-255 | Continuous adjustment from near to far |
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Channel 14 – Stepless Zoom

0-255 Zoom adjustment from small to big

Channel 15 - Shutter, strobe:

| | |
|---------|-----------------------------------|
| 0-31 | Shutter closed |
| 32-63 | No function (shutter open) |
| 64-95 | Strobe effect slow to fast |
| 96-127 | No function (shutter open) |
| 128-159 | Pulse-effect in sequences |
| 160-191 | No function (shutter open) |
| 192-223 | Random strobe effect slow to fast |
| 224-255 | No function (shutter open) |

Channel 16- Dimmer (intensity):

| | |
|-------|---------------------|
| 0-255 | Intensity 0 to 100% |
|-------|---------------------|

Channel 17- Iris:

| | |
|---------|-------------------------------|
| 0-191 | Max. diameter to Min.diameter |
| 192-223 | Pulse opening fast to slow |
| 224-255 | Pulse closing slow to fast |

Channel 18- Animation wheel:

| | |
|---------|--------------------------------------|
| 0-7 | open |
| 8-127 | Forwards rotation from fast to slow |
| 128-135 | No rotation |
| 136-255 | Backwards rotation from slow to fast |

Channel 19 -Frost:

| | |
|---------|----------------------------|
| 0-191 | Frost 0~100% |
| 192-223 | Pulse opening fast to slow |
| 224-254 | Pulse closing slow to fast |
| 255 | Max. Frost |

Channel 20 - Speed Of CMY :

| | |
|-------|------------------|
| 0-255 | Speed Max - >Min |
|-------|------------------|

Channel 21 - Colour macros - CMY and colour wheel:

| | | |
|---------|---------|---------|
| 0-7 | OFF | 128-135 |
| 8-15 | Macro1 | 136-143 |
| 16-23 | Macro2 | 144-151 |
| 24-31 | Macro3 | 152-159 |
| 32-39 | Macro4 | 160-167 |
| 40-47 | Macro5 | 168-175 |
| 48-55 | Macro6 | 176-183 |
| 56-63 | Macro7 | 184-191 |
| 64-71 | Macro8 | 192-199 |
| 72-79 | Macro9 | 200-207 |
| 80-87 | Macro10 | 208-215 |
| 88-95 | Macro11 | 216-223 |
| 96-103 | Macro12 | 224-231 |
| 104-111 | Macro13 | 232-239 |
| 112-119 | Macro14 | 240-247 |
| 120-127 | Macro15 | 248-255 |

Channel 22- Lamp on/off, reset, internal programs:

| | |
|---------|---|
| 0-19 | colour & gobo change normal |
| 20-29 | colour change to any position |
| 30-39 | colour & gobo change to any position |
| 40-59 | Lamp on |
| 60-79 | Lamp switch off |
| 80-84 | All motor reset |
| 85-87 | Scan motor reset |
| 88-90 | Colors motor reset |
| 91-93 | Gobo motor reset |
| 94-96 | Shutter & Dimmer motor reset |
| 97-99 | Other motor reset |
| 100-119 | Internal program 1 (secne1~8 of EEPROM) |
| 120-139 | Internal program 2 (secne9~16 of EEPROM) |
| 140-159 | Internal program 3 (secne17~24 of EEPROM) |
| 160-179 | Internal program 4 (secne25~32 of EEPROM) |
| 180-199 | Internal program 5 (secne33~40 of EEPROM) |
| 200-219 | Internal program 6 (secne41~48 of EEPROM) |
| 220-239 | Internal program 7 (secne49~56 of EEPROM) |
| 240-255 | Music Control (secne of Program 1) |

Channel 23 – Pan fine 16bit

Channel 24– Tilt fine 16bit