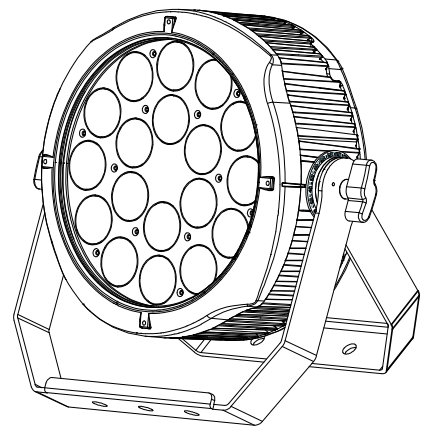


User manual

ELAN

ATLAS-18



Please read carefully before use

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

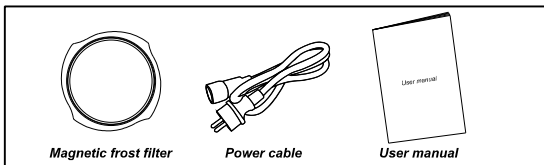
Packaging: Thanks for your purchasing the ATLAS-18. All the lights have been checked and are in excellent operating condition. Please check the shipping carton first, because there may be damage occurred during the shipment. Then check the lights carefully and be sure that the lights is intact and works normally. In the event damage has been found, spare parts are missing or the lights works abnormally, please contact us for further instructions. And please don't return the lights to the dealer before contacting us.

Introduction: The ATLAS-18 has three operating modes: DMX mode, Auto mode and Master/Slave mode. And the lights has five DMX modes, including channel 3, channel 7, channel 9 and channel 13. There are ten built-in Auto programs and you can see ten kinds of shows when you open the Auto mode. Meanwhile, you can edit your desired Auto program in "EDIT" menu. In addition, you can connect several pieces of lights in DMX mode and set one in Auto mode, and the others in Master/Slave mode. And then all the lights in Master/Slave mode will run following the one in Auto mode. Using fog or special effect smoke, you can see better showing effect.

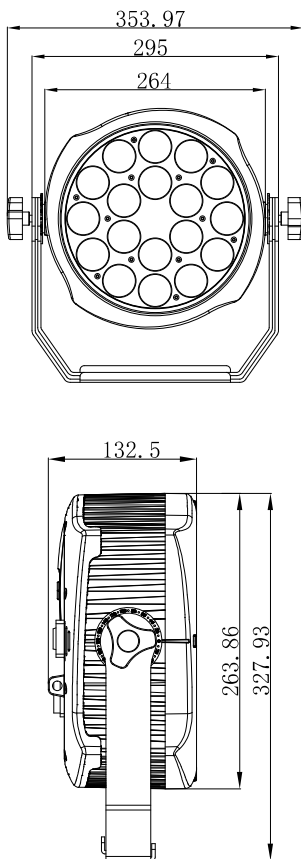
Warning!

1. Don't expose the lights to rain or moisture, for the sake of preventing the risk of electrical shock or fire.
2. Don't look directly at the opening lights all the time, or it may damage your eyes.

UNPACKING AND PREPARATION



Product Overview



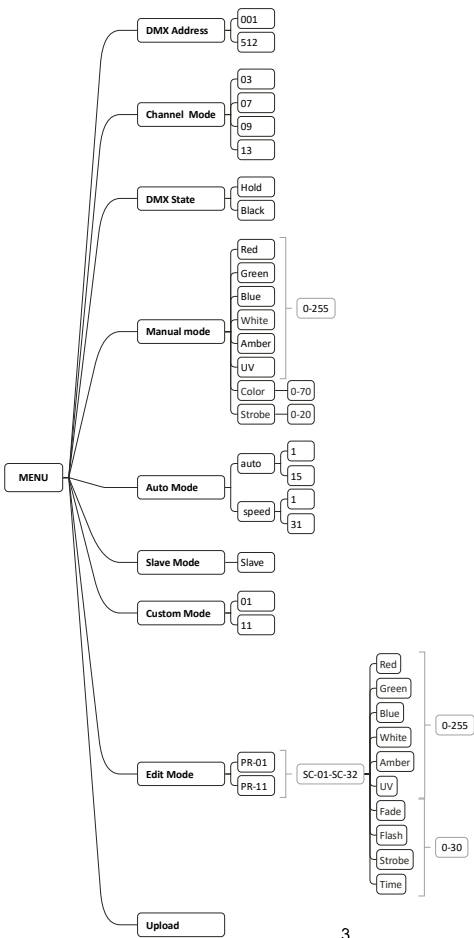
17

Features

- Light Source: 18*20W, 6 in 1 RGBWAUV LEDs
- Lens: 15°
- Power consumption: 330W
- Voltage: AC 90V ~270V, 50/60Hz
- Run Mode: DMX 512 /Master Slave/Auto Run
- 10 internal programs and 11 customerize programs
- 4 different dimming curve
- 11 kinds of color temperature white
- Maximum 66 ID setng for easy separate control
- DMX Channels: 3, 7, 9 & 13CH
- Built-in Effect: color mixing, variable color chasing, strobing and fading.
- TFT displayer with four buttons
- Material: Aluminum body
- IP65
- Temperature: -30℃~45℃
- Dimension: 354 X 159 X 309 mm
- N.W: 8.5 KG
- G.W: 10 KG

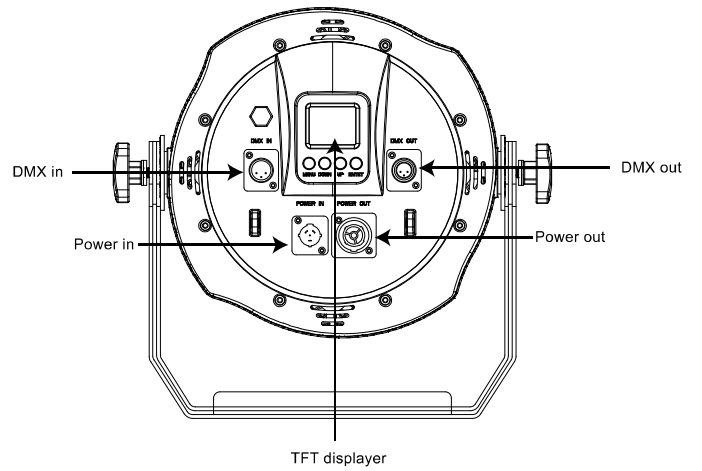
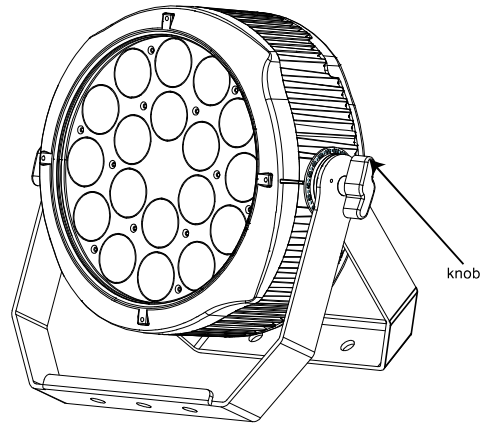
2

Programme Menu



3

Mechanical Specification

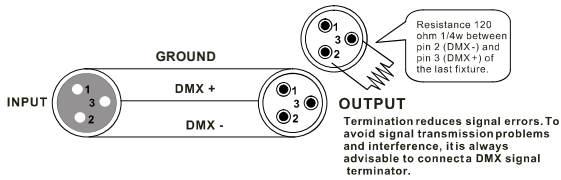


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CABLE CONNECTORS

Cabling must have a male XLR connector on one end and a female XLR connector on the other end.

DMX connector configuration



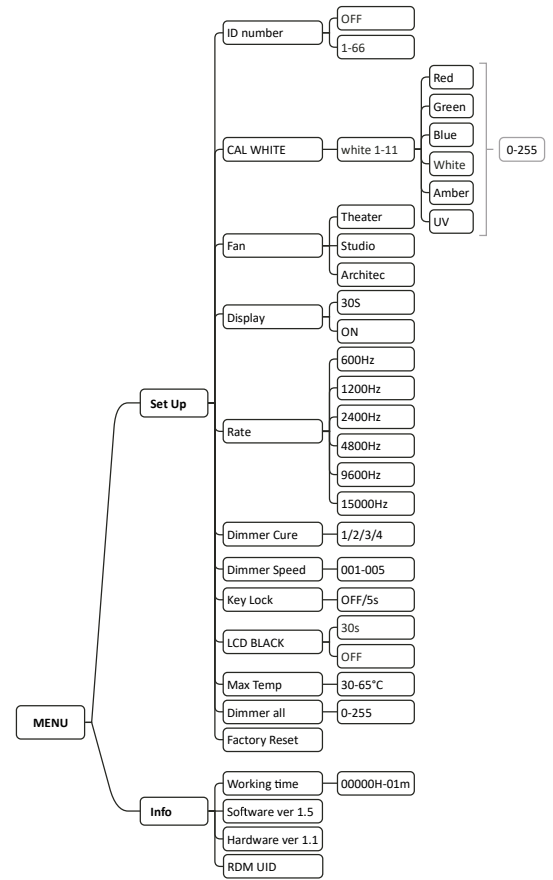
caution: Do not allow contact between the ground and the fixture's chassis ground. Grounding the ground can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify positive pole and to make sure the pins are not grounded or shorted to the shield or each other.

3-PIN TO 5-PIN CONVERSION CHART

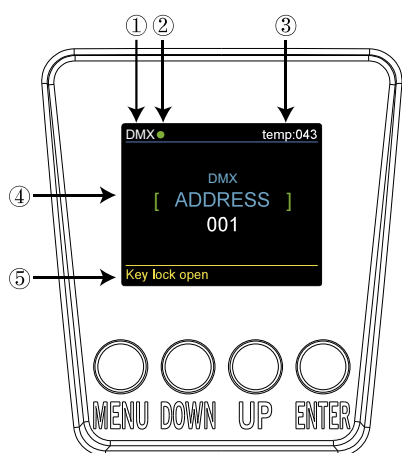
Note! If you use a controller with a 5 pin DMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART

| Conductor | 3 Pin Female (output) | 5 Pin Male (Input) |
|-------------------|-----------------------|--------------------|
| Ground/Shield | Pin 1 | Pin 1 |
| Data (-) signal | Pin 2 | Pin 2 |
| Data (+) signal | Pin 3 | Pin 3 |
| Do not use | | Do not use |
| Do not use | | Do not use |



Displayer introduction



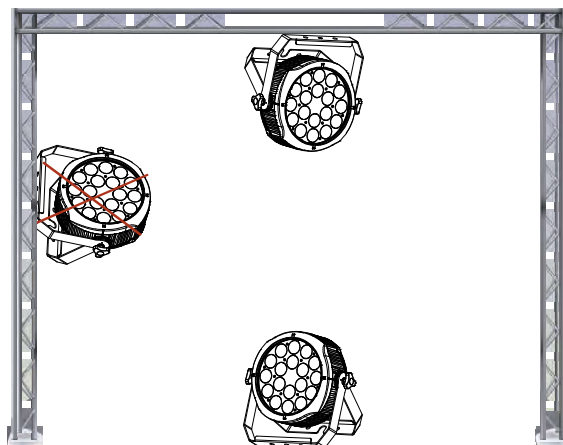
1. DMX means the light is in the DMX mode. Similarly, SLAVE means the light is in the SLAVE mode.
2. The color of the point shows the condition of signal transmission. Green represents the good condition, while red represents the signal is interrupted.
3. The item shows the working temperature of the light. When the working temperature exceeds the max temperature, the color of the letters and number will change from white to yellow.
4. This item shows the menu you selected.
5. This item shows the condition of key lock. "Key lock open" means the key lock is open. And "Key lock off" means the key lock is close.

Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. and appropriate safety cable. Never stand directly below the unit when mounting, removing, or servicing the unit.

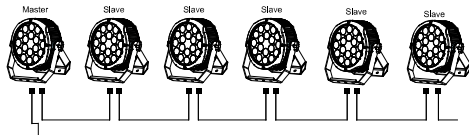
Overhead mounting requires extensive experience, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and unit. If you lack these qualifications, do not attempt the installation yourself.

The installation should be checked by a skilled person once a year.



The ATLAS-18 is fully operational in two different mounting positions, hanging upside-down from a ceiling or set on a flat level surface. To avoid internal damage to the unit, never mount the unit on its side as illustrated above. Be sure this fixture is kept at least 0.5m away from any flammable materials (decoration etc.). And you'd better use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails (see next page).

UPLOAD



First, set one light, which involves the program you have edited in EDIT menu and want to upload, in Master mode, and others in Slave mode. Then, connect all the lights with DMX cables. Finally, select the UPLOAD menu of the Master light and press ENTER. All the programs edited in the Master light will be uploaded to the Slave lights.

DMX Address-In this menu, you can select the DMX Address.

1. Press "ENTER" button and then UP or DOWN button until "DMX Address" is showed.
 2. Press "ENTER" button, and "DMX Address" will be showed. Then press ENTER.
- 1) "xxx" will be showed, "xxx" represents the showed address. You can press the UP or DOWN button to select your desired address.

Channels Mode-In this menu, you can connect several pieces of lights with DMX cable and control them with control console.

1. Press "ENTER" button and then UP or DOWN button until "Channels Mode" is showed.
 2. Press "ENTER" button, and "Channels Mode" will be showed. Then press ENTER.
- 1) "Channel [xx]" will be showed, "X" represents the showed DMX channel mode. You can press the UP or DOWN button to select your desired Channel mode.

DMX State-In this menu, you can learn about the information of DMX Hold and Blackout.

1. Press "ENTER" button and then UP or DOWN button until "DMX State" is showed.
2. Press "ENTER" button, and "DMX Hold" or "Blackout" will be showed. Then press ENTER, and you can select your desired mode.

Manual Mode-In this menu, you can adjust the value of static color and strobe speed as you like.

1. Press "ENTER" button and then UP or DOWN button until "Manual Mode" is showed.
2. Press "ENTER" button, and there are six options. Then press ENTER to select the option and press UP or DOWN button to select the value you desire as below:
 - 1) RED - You can adjust the red brightness in this menu.
 - 2) GREEN - You can adjust the green brightness in this menu.
 - 3) BLUE - You can adjust the blue brightness in this menu.
 - 4) WHITE - You can adjust the white brightness in this menu.
 - 5) COLOR - You can select 255 static color in this menu.
 - 6) STROB - You can adjust the strobe speed in this menu.

AUTO mode-In this menu, you can select your desire AUTO mode and adjust the running speed.

1. Press "ENTER" button and then UP or DOWN button until "AUTO mode" is showed.
2. Press "ENTER" button, and "SPEED" or "AUTO MODE" will be showed. Then press ENTER, and you can see two items as below:
 - 1) SPEED - You can select your desired speed in this menu.
 - 2) AUTO MODE - You can select your desired auto mode in this menu.

Slave Mode-In this menu, you can select SLAVE mode. In SLAVE mode, you can select one light as the MASTER light and other lights in SLAVE mode will run following the MASTER light.

1. Press "ENTER" button and then UP or DOWN button until "Slave MODE" is showed.
2. Press "ENTER" button, and "SLAVE" will be showed, then press ENTER to confirm.

CUSTOMER Mode-In this menu, you can select the AUTO program edited in the "EDIT" menu.

1. Press "ENTER" button and then UP or DOWN button until "CUSTOMER" is showed.
2. Press "ENTER" button, and there are 11 pre-programmed mode edited in the "EDIT" menu.

EDIT Mode-In this menu, you can edit your desired AUTO program.

1. Press "ENTER" button and then UP or DOWN button until "EDIT" is showed.

2. Press "ENTER" button, and open the "EDIT" mode to edit the custom programs from "PR.01" to "PR.11". And there are 32 scenes that can be edited in each custom program.
3. You can edit a scene by adjusting the value of "RED (0~255)", "GREEN (0~255)", "BLUE (0~255)", "WHITE (0~255)", "FADE (0~30)", "FLASH (0~30)", "STROBE (0~30)" & "TIME (0~30)" as you like. Then the data will be saved, when you press the ENTER button for 5 seconds.

UPLOAD-In this menu, you can connect several pieces of lights with MAX cables and set one light as the MASTER and others in SLAVE mode. Then upload the custom program in the MASTER light to the lights in SLAVE mode.

1. Press "ENTER" button and then UP or DOWN button until "UPLOAD" is showed.
2. Press "ENTER" button to upload the custom programs from the MASTER light to the SLAVE ones. The password is [UP] + [DOWN] + [UP] + [DOWN].

SET UP-In this menu, you can adjust the value of the function.

1. Press "ENTER" button and then UP or DOWN button until "SET UP" is showed.
2. Press "ENTER" button, and there will be nine options. Then, press ENTER to select the option and press UP or DOWN button to select the value you desire as below.
 - 1) ID number - You can select an ID Number in this menu. Then, you can adjust the value of channel 11 to the corresponding scope and control the light individually with control console.
 - 2) CAL WHITE- You can select the value of 11 different white color. And there are 11 pre-programmed White colors that can be edited by adjusting the value of "Red", "Green", "Blue", "White".
 - 3) LCD BLACK - In this item, you can select "ON" or "30S". If you select "ON", the displayer will be on all the time. And if you select "30S", the displayer will extinguish about ten seconds later.
 - 4) Key locks - You can select whether the password is ON or 30S in this menu, and the password is [UP] + [DOWN] + [UP] + [DOWN]. If you select "ON", then you have to input the password before pressing the buttons. Otherwise, the light won't respond to your order.
 - 5) Max temp - You can set the your desired Max working temperature about the light in this menu. When the working temperature of the light exceeds the Max temperature, the color of letter "Temp xx°C" showed in the menu will change from white to yellow. Meanwhile, the light will adjust the working temperature automatically.
 - 6) Dimmer ALL - You can adjust the brightness of each color in this menu.
 - 7) Factory Reset - You can reset the light.

INFORMATION-In this menu, you can learn about the information of software, hardware and the working time of the light.

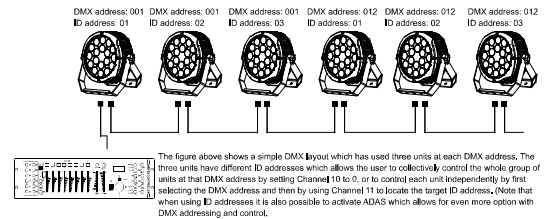
1. Press "ENTER" button and then UP or DOWN button until "INFORMATION" is showed.
2. Press "ENTER" button, and "Software" "Hardware" or "Fix times" will be showed. Then press ENTER, and you can see three items as below:
 - 1) Software - This item displays the Software information.
 - 2) Hardware - This item displays the Hardware information.
 - 3) Fix times - This item displays the working hours about the light.

RESET-In this menu, you can reset all the value of the system.

1. Press "ENTER" button and then UP or DOWN button until "RESET" is showed.
2. Press the ENTER button to reset all the value of the system.

DMX-512 addressing with ID address

1. Follow instructions 1 for DMX 512 addressing.
2. Activate ID addressing in each fixture by setting panel function "ID ON/OFF" to ON. "Settings" to "ID ON/OFF" to "ON" For every DMX 512 starting address the user can set 66 separate ID addresses. Set ID addresses in each fixture by setting panel function " ID address" to incremental values.(I.e. 1, 12, 24, 36 etc...) "Settings" to "address" to "01~66".



Dimmer speed sheet

| | |
|-----------|------------------|
| 0 - 49 | default |
| 50 - 89 | dimmer speed 0 |
| 90 - 129 | dimmer speed 001 |
| 130 - 169 | dimmer speed 002 |
| 170 - 209 | dimmer speed 003 |
| 210 - 255 | dimmer speed 004 |

Channel 13 (Id address set)

| | | | | | | | |
|---------|---------|---------|------|-----|------|-----|------|
| 0-9 | all Ids | 170-179 | Id17 | 223 | Id34 | 240 | Id51 |
| 10-19 | Id1 | 180-189 | Id18 | 224 | Id35 | 241 | Id52 |
| 20-29 | Id2 | 190-199 | Id19 | 225 | Id36 | 242 | Id53 |
| 30-39 | Id3 | 200-209 | Id20 | 226 | Id37 | 243 | Id54 |
| 40-49 | Id4 | 210 | Id21 | 227 | Id38 | 244 | Id55 |
| 50-59 | Id5 | 211 | Id22 | 228 | Id39 | 245 | Id56 |
| 60-69 | Id6 | 212 | Id23 | 229 | Id40 | 246 | Id57 |
| 70-79 | Id7 | 213 | Id24 | 230 | Id41 | 247 | Id58 |
| 80-89 | Id8 | 214 | Id25 | 231 | Id42 | 248 | Id59 |
| 90-99 | Id9 | 215 | Id26 | 232 | Id43 | 249 | Id60 |
| 100-109 | Id10 | 216 | Id27 | 233 | Id44 | 250 | Id61 |
| 110-119 | Id11 | 217 | Id28 | 234 | Id45 | 251 | Id62 |
| 120-129 | Id12 | 218 | Id29 | 235 | Id46 | 252 | Id63 |
| 130-139 | Id13 | 219 | Id30 | 236 | Id47 | 253 | Id64 |
| 140-149 | Id14 | 220 | Id31 | 237 | Id48 | 254 | Id65 |
| 150-159 | Id15 | 221 | Id32 | 238 | Id49 | 255 | Id66 |
| 160-169 | Id16 | 222 | Id33 | 239 | Id50 | | |

DMX control mode

DMX 3 channel

| channel | value | function |
|---------|---------|------------|
| 1 | 0 - 255 | Hue |
| 2 | 0 - 255 | Saturation |
| 3 | 0 - 255 | Dimmer |

DMX 7 channel

| channel | value | function |
|---------|---------|--------------|
| 1 | 0 - 255 | Dimmer Speed |
| 2 | 0 - 255 | Red |
| 3 | 0 - 255 | Green |
| 4 | 0 - 255 | Blue |
| 5 | 0 - 255 | White |
| 6 | 0 - 255 | Amber |
| 7 | 0 - 255 | UV |

DMX 9 channel

| channel | value | function |
|---------|---------|--------------------------|
| 1 | 0 - 255 | Dimmer |
| 2 | 0 - 255 | Strobe from slow to fast |
| 3 | 0 - 255 | Dimmer Speed |
| 4 | 0 - 255 | Red |
| 5 | 0 - 255 | Green |
| 6 | 0 - 255 | Blue |
| 7 | 0 - 255 | White |
| 8 | 0 - 255 | Amber |
| 9 | 0 - 255 | UV |

DMX 13 channel

| channel | value | function |
|-----------|-----------|--------------------------|
| 1 | 0 - 255 | Dimmer |
| 2 | 0 - 255 | Strobe from slow to fast |
| 3 | 0 - 255 | Dimmer Speed |
| 4 | 0 - 255 | Red |
| 5 | 0 - 255 | Green |
| 6 | 0 - 255 | Blue |
| 7 | 0 - 255 | White |
| 8 | 0 - 255 | Amber |
| 9 | 0 - 255 | UV |
| 10 | 0 - 10 | No function |
| | 11 - 12 | Color 1 |
| | 13 - 16 | Color 2 |
| | 17 - 23 | Color 3 |
| | 24 - 27 | Color 4 |
| | 28 - 31 | Color 5 |
| | 32 - 35 | Color 6 |
| | 36 - 39 | Color 7 |
| | 40 - 43 | Color 8 |
| | 44 - 47 | Color 9 |
| | 48 - 51 | Color 10 |
| | 51 - 55 | Color 11 |
| | 56 - 59 | Color 12 |
| | 60 - 63 | Color 13 |
| | 64 - 67 | Color 14 |
| | 68 - 71 | Color 15 |
| | 72 - 83 | Color 16 |
| | 84 - 87 | Color 17 |
| | 88 - 91 | Color 18 |
| | 92 - 95 | Color 19 |
| | 96 - 99 | Color 20 |
| | 100 - 103 | Color 21 |
| | 104 - 107 | Color 22 |
| | 108 - 111 | Color 23 |
| | 112 - 115 | Color 24 |
| | 116 - 123 | Color 25 |
| | 124 - 127 | Color 26 |
| | 128 - 131 | Color 27 |
| | 132 - 135 | Color 28 |
| | 136 - 139 | Color 29 |
| | 140 - 143 | Color 30 |
| 144 - 147 | Color 31 | |

| | | |
|-----------|-----------|----------------------------------|
| 10 | 148 - 151 | Color 32 |
| | 152 - 155 | Color 33 |
| | 156 - 159 | Color 34 |
| | 160 - 163 | Color 35 |
| | 164 - 167 | Color 36 |
| | 168 - 171 | Color 37 |
| | 172 - 175 | Color 38 |
| | 176 - 179 | Color 39 |
| | 180 - 183 | Color 40 |
| | 184 - 187 | Color 41 |
| | 188 - 191 | Color 42 |
| | 192 - 195 | Color 43 |
| | 196 - 199 | Color 44 |
| | 200 - 203 | Color 45 |
| | 204 - 207 | Color 46 |
| | 208 - 211 | Color 47 |
| | 212 - 215 | Color 48 |
| | 216 - 219 | Color 49 |
| | 220 - 222 | Color 50 |
| | 223 - 255 | Color 51 |
| | 11 | 0 - 7 |
| 8 - 17 | | Auto 1 |
| 18 - 27 | | Auto 2 |
| 28 - 37 | | Auto 3 |
| 38 - 47 | | Auto 4 |
| 48 - 57 | | Auto 5 |
| 58 - 67 | | Auto 6 |
| 68 - 77 | | Auto 7 |
| 78 - 87 | | Auto 8 |
| 88 - 97 | | Auto 9 |
| 98 - 107 | | Auto 10 |
| 108 - 117 | | Custom 1 |
| 118 - 127 | | Custom 2 |
| 128 - 137 | | Custom 3 |
| 138 - 147 | | Custom 4 |
| 148 - 157 | | Custom 5 |
| 158 - 167 | | Custom 6 |
| 168 - 177 | Custom 7 | |
| 178 - 187 | Custom 8 | |
| 188 - 197 | Custom 9 | |
| 198 - 207 | Custom 10 | |
| 208 - 255 | Custom 11 | |
| 12 | 0 - 255 | Speed CH10 if CH10=008 ... 107 |
| 13 | ID | ID address (see following table) |