

traxon

Media Tube® HO
Media Tube HO ActionPad Configuration Manual
V0.2 User Version

Cover:

Media Tube® HO RGBW/RGB/White Direct View

Media Tube® HO RGBW/RGB/White Diffused

CONTENT

1.	INTRODUCTION	3
2.	CONNECTION	4
3.	CONFIGURATION	8

For your own safety and that of the product, please read this installation guide carefully before beginning setup and installation.

1. INTRODUCTION

ACTIONPAD for Media Tube® HO allows user to configure and change settings easily on Media Tube® HO. Major features that can be configured include:

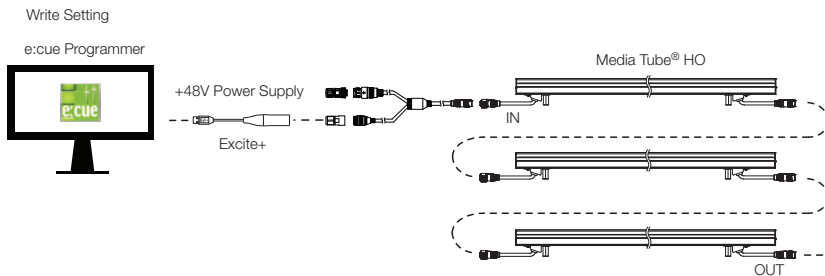
- Number of channels per pixel
- Algorithm selection for auto control of white LED by 3-channel RGB values

2. CONNECTION

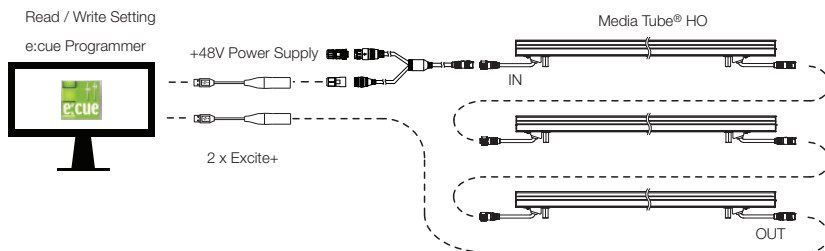
2.1 Tools

- e:cue Programmer (part of Lighting Application Suite, need USB dongle to use ActionPad)
- Excite+; OR
- Butler Pro DMX

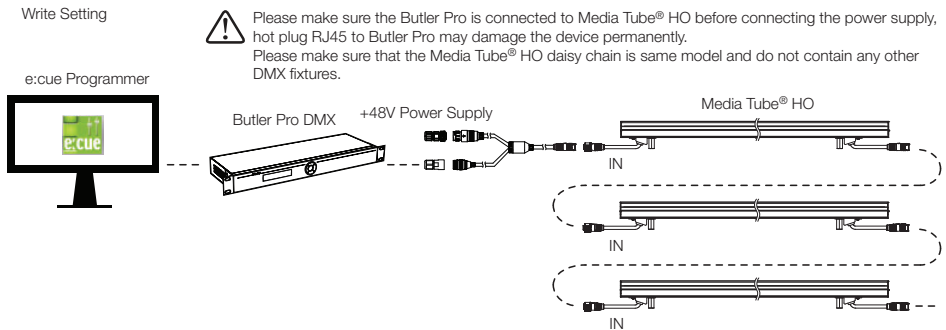
2.2 Typical Connection Diagram (with Excite+)



Please make sure the Excite+ is connected to Media Tube® HO before connecting the power supply, hot plug Excite+ may damage the device permanently.
Please make sure that the Media Tube® HO daisy chain is same model and do not contain any other DMX fixtures.

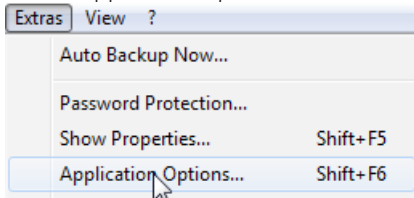


2.3 Typical Connection Diagram (with Butler Pro)

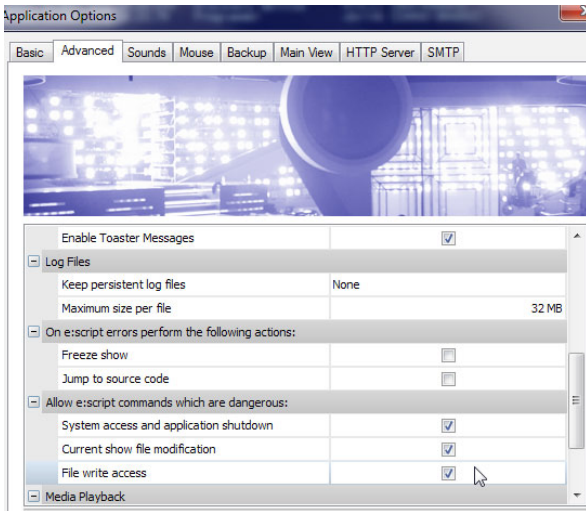


2.4 e:cue Programmer Configuration

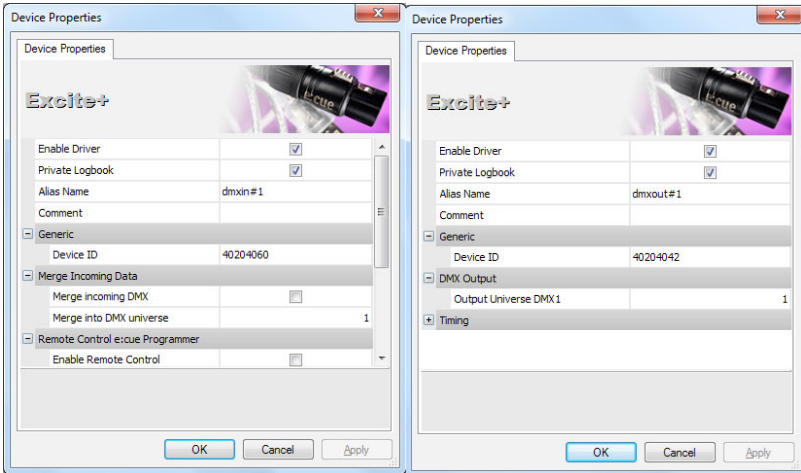
1. Use e:cue Programmer (V7.0 or higher) to open the show file.
2. Go to “Application Options” under the “Extras” top menu.

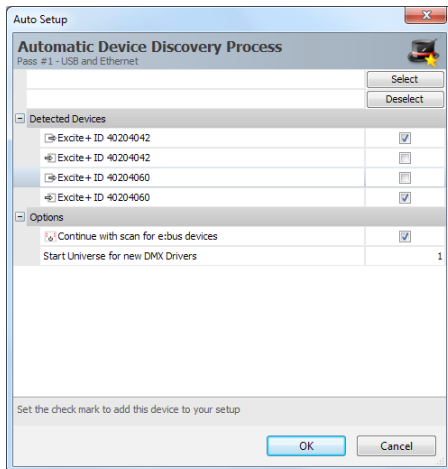


3. Check the “System access and application shutdown”, “Current show file modification”, “File write access” and “Enable Toaster Messages” boxes.

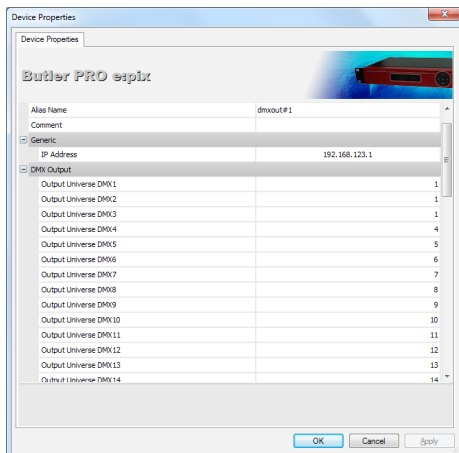


4. Connect excite+ or Butler Pro to PC. When plug in for the first time, device drivers will need to be installed. Open the “Device Manager” under the view top menu.
5. (Excite+ only) Double click dmxin#1 or dmxout#1 to open the “Device Properties” dialog box. Click “Device ID” box and then the “Browse” button to select the corresponding excite+ cable in order to set the excite+ cables as dmxin (for Read Settings) and dmxout (for Write Settings).





- Make sure the setting of dmxout device for “Output Universe DMX1” is set to 1. For Butler Pro, there will be multiple DMX channels, and all the required channels needed to be set to 1. (Not all may be needed, all Media Tube® HO connected in the required channels must be the same model)



- Click “Action Pad” button.



3. CONFIGURATION

3.1 Action Pad Overview

Fixture Model	Programming
3 Channels per Pixel	Write Settings
Mode: RGB	Read Settings
Ultra Brightness Level: 100	IO devices
	Device Online

Fixture Readback:	
MediaTube_HO in RGB/DW	Usercode: 0023 0106
12 PXL / 1 Nodes per PXL	Product ID: 0023
3 Channels / Mode: RGB	Firmware: V01.06
Ultra Brightness Level: 100	

1. Select either "3 Channels per Pixel" or "4 Channels per Pixel".

2. In case 3 Channels per Pixel is selected, select "Auto White Mode":

- a. RGB only
- b. Ultra-Brightness Mode

- In case Ultra-Brightness Mode is selected, the brightness of white can be adjusted through "Ultra Brightness Level".

- c. High Efficacy Mode

Refer to "Auto White Mode" tab for more detailed explanation on each mode.

3. Press button "Write Settings" in order to save selected parameters into Media Tube HO.

4. Restart the fixtures.

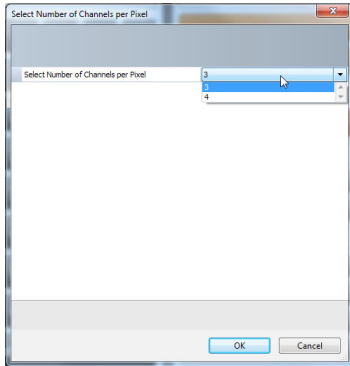
3.2 Fixture Model

Fixture Model
3 Channels per Pixel
Mode: RGB
Ultra Brightness Level: 100

3.2.1 Set Number of Channels per Pixel

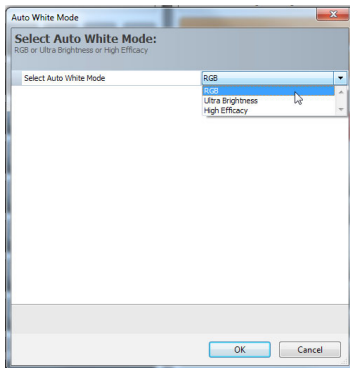
User can select for Media Tube® HO to run in either:

- **4 channels per pixel:** Red, Green, Blue and White channels
- **3 channels per pixel:** Red, Green, Blue channels. White LED is automatically controlled depends on the Auto White algorithm selected.



3.2.2 Set Auto White Mode

When Media Tube® HO RGBW is set as **3 channels per pixel**, user can input the number to set Media Tube® HO RGBW to use one the following mode to automatically control the brightness of white LED:



- **RGB:** pure 3-channels RGB, white always off and do not occupy control channels.
- **Ultra Brightness:** adding white without reducing the original RGB brightness, this result in

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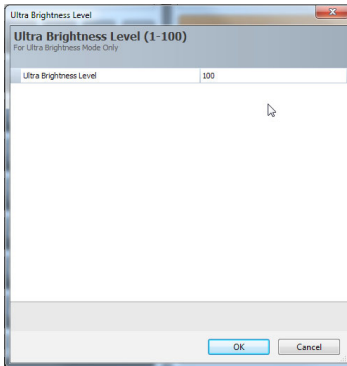
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high brightness output. In case Ultra-Brightness Mode is selected, the brightness of white can be adjusted through **Ultra Brightness Level**.

- **High Efficacy:** better white quality by adding white and adjust the RGB value to maintain certain brightness, this result in better white quality.

3.2.3 Set Ultra-brightness Level

When Media Tube® HO RGBW is set as **3 channels per pixel** and **Ultra-brightness mode** is in use, user can adjust the white color intensity (1-100, 100 is highest).



3.3 Fixture Settings

Fixture Model	Programming
3 Channels per Pixel	Write Settings
Mode: RGB	Read Settings
Ultra Brightness Level: 100	IO devices
	Device Online

Fixture Readback:	
MediaTube_HO in RGB/DW	Usercode: 0023 0106
12 PXL / 1 Nodes per PXL	Product ID: 0023
3 Channels / Mode: RGB	Firmware: V01.06
Ultra Brightness Level: 100	

1. Select either "3 Channels per Pixel" or "4 Channels per Pixel".
2. In case 3 Channels per Pixel is selected, select "Auto White Mode":
 - a. RGB only
 - b. Ultra-Brightness Mode
 - In case Ultra-Brightness Mode is selected, the brightness of white can be adjusted through "Ultra Brightness Level".
 - c. High Efficacy Mode

Refer to "Auto White Mode" tab for more detailed explanation on each mode.
3. Press button "Write Settings" in order to save selected parameters into Media Tube HO.
4. Restart the fixtures.

3.3.1 Output Test Pattern



Test pattern will be indicated on the first fixture in the pattern as follows.

3.4 Programming

Programming
Write Settings
Read Settings
IO devices
Device Online

Programming allow user to write, read settings to the Media Tube® HO.

Please note there are following limitations:

- **Write Settings** is not limited by the one universe, however, user will only receive visual

confirmation for the first 512 channels.

- **Read Settings** can only read the parameters of last tube of Media Tube® HO.
- **Read Settings** can only be done with Excite+.

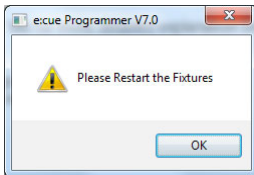
3.4.1 Write Settings

User can save settings into Media Tube® HO using **Write Settings** button. Please note that in order to save settings, user has to connect the “IN” connector of Media Tube® HO to ActionPad.

Once the button is pressed, system sends the parameters. While the communication is taking place the button become yellow in color. After writing the settings the button gets

- Orange (no errors, with DMX readback over a second connection shows that Media Tube® HO reports correct settings); OR
- Red (Media Tube® HO reported other settings than desired or no read back is received).

After write settings to Media Tube® HO, user need to reset the Media Tube® HO.



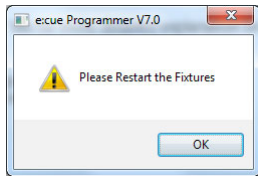
3.4.2 Read Settings

Fixture Readback:	
MediaTube_HO in RGB/DW	Usercode: 0023 0106
12 PXL / 1 Nodes per PXL	Product ID: 0023
3 Channels / Mode: RGB	Firmware: V01.06
Ultra Brightness Level: 100	

User can read all existing settings inside Media Tube® HO using **Read Settings** button. Please note that in order to read out settings, user has to connect the “OUT” connector of Media Tube® HO to ActionPad.

Read out setting will be displayed at the right hand side of the screen as shown above.

After read settings from Media Tube® HO, user need to reset the Media Tube® HO.



In case the read out setting is different from the existing setting in the user interface, the **Read Settings** button will be in red to notify the user of such discrepancy.

3.5 IO Devices



3.5.1 Connecting Status

This button display the connecting status and allow user to assert whether their connection bridges like Excite+ is properly connected to ActionPad. Possible status include:

- Device Online: Excite+ / Butler Pro is correctly connected to the ActionPad.
- Device Searching: Excite+ / Butler Pro is not found.

traxone:cue

AN OSRAM BUSINESS

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