

Talent II Instruction



Setup controller parameters with buttons, such as driver chip type, controller numbers, programs, playing speed, brightness of lamps;

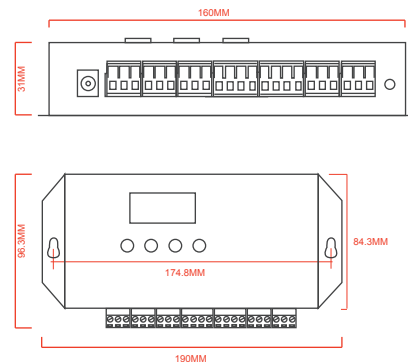
The controller output have 2 SPI signal output port and 2 DMX512 signal output port. Integration of multiple driving chip, change the IC type, clock frequency, duty cycle, grayscale by softword setting.

Support environmental lighting control and audio control sensor module (optional) application, adjust the brightness of lamps interactively. Supports most serial driver LED driver chip.

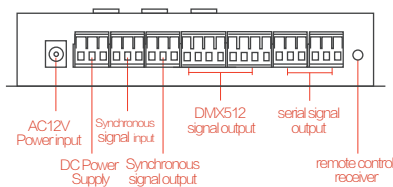
SPECIFICATIONS

Model	Talent II
Colors	RGB three primary colors, RGBW four primary color, full-color display
Control points	Control 1024 pixels each port(DMX is 512 pixels)
Output port	Synchronous serial shift signal × 2, compatible DMX512 signal × 2
Gray scale	256 class—65536 class
Input Voltage	AC 12V/ DC 7.5V–24V/ DC 5V
Rated Power	2W
SD Card	4GB
Size	190.0mm × 96.3mm × 32.5mm
Interface	3Pin interface × 5 4Pin interface × 2

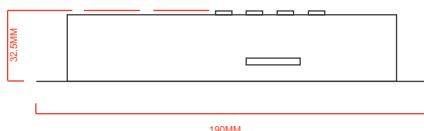
Talent II Size



Talent Front View



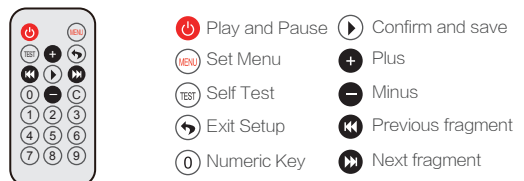
Talent Rear View



Talent II Button control panel



Talent II Remote control button definition



Controller keys and display instructions

一、LCD main screen after boot

MR- 502 NO CARD	← Controller name ← No SD Card State	MR- 502 NO Files	← Controller name ← No files in SD Card
ID=001 PLAY 001	← Controller name ← Currently playing program fragment number		

二、Controller parameters setting

1、Controller Number

Press **⏺**, enter the ID setting in menu ,as shown below

ID=001	← controller number
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Press **⏪** ,Setting the number,Press **⏩** to save this option.

Attention:The ID number should be less than the quantity of controller in your layout file.

2、Play mode

Press **⏺**,enter the play mode selection interface,as shown below:

INDEX =Loop	← play mode ← Loop mode	INDEX =Wait	← play mode ← wait mode
INDEX =01	← play mode ← fragment Loop play mode		

Press **⏪** ,select Loop mode、 Wait mode and fragment Loop play mode ,Press **⏩** to save the option.

3、Playback speed

Press **⏺** again ,enter the playback speed selection interface,as shown below:

SPEED=25 FPS=X01	← Playback speed ← frame rate
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Press **⏪** ,setting the rate value,press **⏩** to save.

Attention:in this interface,press **⏮** **⏭** switch to frame rate,press **⏪** **⏩** to select its value.

4、Date and time setting interface

Press **⏺** again to enter date and time setting interface. As figure below

2015 -05-18	← year ← Month -Day	Time 19:30:00	← Time ← Hour-Minute-Second
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Press **⏪** **⏩** adjust related value,Press **⏩** to save.

5、Brightness adjustment

Press **⏺** again to enter brightness adjustment settings interface. As figure below:

BRIGHT
=100% ← Brightness
← Brightness percentage

Press **+** **-**, set brightness, Press **▶** to save

6. Brightness of the four channels Adjustment

Press **MEM** again to enter Brightness of the four channels adjustment settings interface. As figure below:

COLOR A =100% ← A channel brightness ← Brightness Percentage	COLOR B =100% ← B channel brightness ← Brightness Percentage
COLOR C =100% ← C channel brightness ← Brightness Percentage	COLOR D =100% ← D channel brightness ← Brightness Percentage

Press **+** **-** to set brightness, press **▶** to save.

7. synchronization mode

Press **MEM** again, to enter synchronization mode settings interface. As figure below:

SYNC= GPS ← synchronization mode ← GPS satellite synchronization	SYNC= NO ← synchronization mode ← Close GPS synchronization
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Press **+** **-** to set synchronization mode, press **▶** to save.

8. Setting driver chip type

Press **MEM** again, to enter driver chip type settings interface. As figure below:

Chip Sel=
NO Chip ← driver chip type
← Select your driver chip

Press **+** **-** to select your own driver chip type, press **▶** to save.

9. Remote control adjustment

Press **MEM** again, to enter Remote control settings interface. As figure below:

REMOTE= UART ← Remote control mode ← serial port control	REMOTE= SIM ← Remote control mode ← SIM communication mode
REMOTE= WIFI ← Remote control mode ← WIFI communication	REMOTE= OFF ← Remote control mode ← Shut up remote control

Press **+** **-** to select your own driver chip type, press **▶** to save.

10. DMX512 chip address

Press **MEM** again, to enter DMX512 chip address settings interface. As figure below:

MR-DMX05= ST=001 ← Chip Type ← start channel	DMX512AP= SOO1 T03 ← Chip Type ← S represent start channel T represent channel quantity of lamp
UCS512= SOO1 T03 ← Chip Type ← S represent start channel T represent channel quantity of lamp	TM512= SOO1 T03 ← Chip Type ← S represent start channel T represent channel quantity of lamp

Press **MEM** to switch S and T cursor position, press **+** **-** to change the value, press **▶** to save

11、 Self Test Setting

On the working state ,Press **TEST** again to enter self test setting interface. As figure below:

-TEST- LINE0018	← Self Test ← grating test	-TEST- 2 RED	← Self Test ← Red Self Test
-TEST- 3 GREEN	← Self Test ← Green Self Test	-TEST- 4 BLUE	← Self Test ← Blue Self Test
-TEST- 5 WHITE	← Self Test ← Blue Self Test	-TEST- 6 CHING	← Self Test ← Ching Self Test
-TEST- 7 YELLOW	← Self Test ← Yellow Self Test	-TEST- 8 PURPLE	← Self Test ← Puppel Self Test
-TEST- 9 RGBW	← Self Test ← Trip of red, green, blue and white	-TEST- 10 COLOR	← Self Test ← Colorful gradient

press **TEST** again to back to controller play state.

12、 Pause

On playing mode ,Press **▶** to pause. As figure below:

MR-502 PAUSE	← Controller Type ← Pause
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Press **▶** again , play again

13、 Stop playing

On playing mode,Press **⏻** to stop. As figure below:

MR-502 PLAY OFF	← Controller Type ← stop
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Press **⏻** back to play.

14、 Adjust program segment

when playing a segment,press **+** **-** adjust the playback of fragment

ID=001 PLAY 001	← Controller number ← Currently playing program fragment number
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≡、 Remote control operation during playing

1、 Controller Number

Press **MENU** to enter controller number settings interface. As figure below:

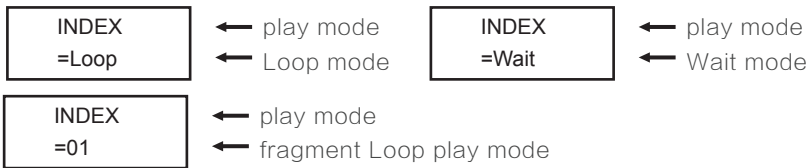
ID=001	← Play mode ← Loop mode
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Press **↑** **↓** to set controller number ,press **OK** to save.

Attention:The ID number should be less than the quantity of controller in your layout file.

2、 Play mode

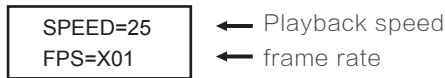
Press **MU**, enter the play mode selection interface, as shown below:



Press **↑ ↓**, select Loop mode, Wait mode and fragment Loop play mode, Press **OK** to save the option.

3、 Playback speed

Press **MU** again, enter the playback speed selection interface, as shown below:

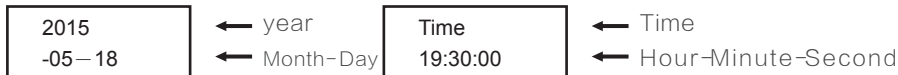


Press **↑ ↓**, setting the rate value, press **OK** to save.

Attention: in this interface, press **MU** switch to frame rate, press **OK** to select its value.

4、 Date and time setting interface

Press **MU** again to enter date and time setting interface. As figure below



Press **↑ ↓** adjust related value, Press **OK** to save.

5、 Brightness adjustment

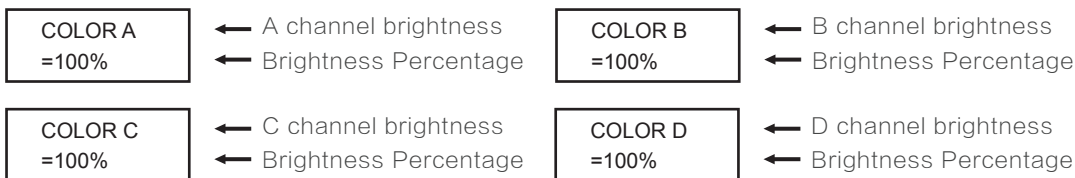
Press **MU** again to enter brightness adjustment settings interface. As figure below:



Press **↑ ↓**, set brightness, Press **OK** save

6、 Brightness of the four channels Adjustment

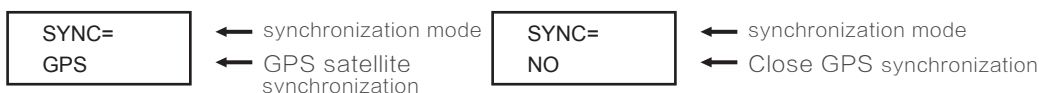
Press **MU** again to enter Brightness of the four channels adjustment settings interface. As figure below:



Press **↑ ↓** to set brightness, press **OK** to save.

7、 synchronization mode

Press **MU** again, to enter synchronization mode settings interface. As figure below:



Press **↑ ↓** to set synchronization mode, press **OK** to save.

8、 Setting driver chip type

Press **MU** again, to enter driver chip type settings interface. As figure below:

Chip Sel= NO Chip	← driver chip type ← Select your driver chip
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Press **↑ ↓** to select your own driver chip type ,press **OK** to save.

9、 Remote control adjustment

Press **MU** again, to enter Remote control settings interface. As figure below:

REMOTE= UART	← Remote control mode ← Uart Control	REMOTE= SIM	← Remote control mode ← SIM Communication mode
REMOTE= WIFI	← Remote control mode ← WIFI Communication	REMOTE= OFF	← Remote control mode ← Close remote control

Press **↑ ↓** to select your own driver chip type ,press **OK** to save.

10、 DMX512 chip address

Press **MU** again, to enter DMX512 chip address settings interface. As figure below:

MR-DMX05= ST=001	← Chip Type ← start channel	DMX512AP= SOO1 T03	← Chip Type ← S represent start channel T represent channel quantity of lamp
UCS512= SOO1 T03	← Chip Type ← S represent start channel T represent channel quantity of lamp	TM512= SOO1 T03	← Chip Type ← S represent start channel T represent channel quantity of lamp

Press **MU** to switch S and T cursor position, press **↑ ↓** to change the value, press **OK** to save

11、 Pause

On playing mode ,Press **OK** to pause. As figure below:

MR-502 PAUSE	← Controller Type ← Pause
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Press **OK** back to play