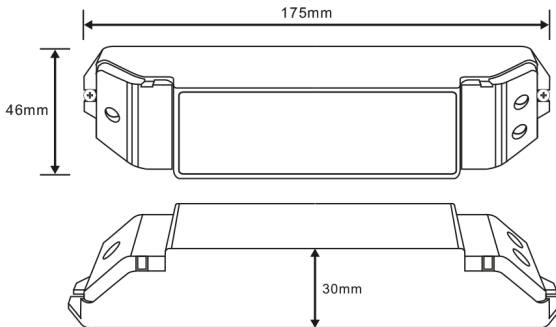


4. Safety warnings

1. To ensure your safety and product properly usage, please read the user manual carefully.
2. To avoid installed the product in minefield, strong magnetic field and high voltage area.
3. To ensure the wiring is correct and firm avoiding short circuit damages to components and cause fire.
4. Please install the product in a well ventilated area to ensure appropriate temperature environment.
5. The product must be worked with DC constant voltage power supply.
Please check the consistence of input power with the product, if the output voltage of the power comply with that of the product.
6. Connect the wire with the power on is forbidden. Ensure proper wiring first then check to ensure no short-circuit, then power on !
7. Don't repair it by yourself whenever an error occur. Contact the supplier for any inquiry.

5. Dimensions



6. Operating instructions

Three touch buttons: S,+,-

S	change the turns in the 3 display tube
+	increase
-	decrease

Three-digital-display tube indicates the current setting value; different value indicates different operating status. The digital tubes goes off without operation for 5 minutes, press any key to turn it on. When it is overload or short-circuits, the decoder will automatically stop output, LED display twinkles and shows: "ERR" , as below:



1. DMX Slave Mode: The value is: 001-512, such as: "001"



The decimal point of last digital of the display tube will twinkle regularly when receives DMX512 signal normally.
When no signal is received, the decimal point does not twinkle, and showing current DMX address.

2. DMX Slave Modus and PWM Dimmable Modus:

000	All 3 channels RGB on 100%
513	Static red
514	Static green
515	Static blue
516	Static purple
517	Static cyan
518	Static yellow
519	Static orange
520-529	Colour skipping 1 (red - orange- yellow - green - cyan - blue - purple)
530-539	Colour skipping 2 (white - purple -red- orange - yellow - green - cyan - blue)
540-549	Colour skipping 1 (amber- red)
550-559	Colour skipping 1 (purple - blue)
560-569	Colour skipping 1 (cyan - blue)
570-579	Colour skipping 1 (green - yellow)
580-589	Pulsating up and down of all 3 channels simultaneously between 1 and 100%
590-599	Strobo of all 3 channels simultaneously between 1 and 100%
600-699	Dimmable Modus for channel red between 0-99%
700-799	Dimmable Modus for channel green between 0-99%
800-899	Dimmable Modus for channel blue between 0-99%
900-999	10 different RGB white charges available through the second decimal point



Static Red Speed level 4

Between 520-599 die first and second decimal point show the programme and the third decimal point shows the speed.

For the programmes 520-589 apply following speed adjustments for one programme step:

0 = 0,5 sec. | 1 = 1 sec. | 2 = 2 sec. | 3 = 3 sec. | 4 = 5 sec. | 5 = 10 sec. | 6 = 15 sec. | 7 = 30 sec.
8 = 60 sec. | 9 = 120 sec.

For the programme 590-599 apply following speed adjustments for one programme step:

0 = 0,02 sec. | 1 = 0,04 sec. | 2 = 0,1 sec. | 3 = 0,2 sec. | 4 = 0,5 sec. | 5 = 1 sec. | 6 = 2 sec.
7 = 5 sec. | 8 = 10 sec. | 9 = 15 sec.

Between 600-899 the first decimal point shows the requested channel R = 6, G = 7, B = 8, the second and third decimal point show the dimmable value between 0-99%.

Between 900-999 the second decimal point stands for one of the 10 different RGB white colours, the third decimal point stands for the different brightness values.

These are as follows:

0 = 1% | 1 = 5% | 2 = 10% | 3 = 20% | 4 = 30% | 5 = 40% | 6 = 50% | 7 = 60% | 8 = 80% | 9 = 100%

7. Exception Handles

Malfunction	Reasons	Solutions
No light	1. no power supply	1. Check power supply
	2. Reversed polarity	2. Reverse it
	3. Signal terminal not connected or reversed	3. Signal terminal not connected or reversed
	4. Long circuit such as longer than 300m	4. Add signal terminator or amplifier
Wrong color	5. RGB wrong wiring	5. Re-wire RGB
	6. Wrong input of decoder address	6. Re-input
One or several color(s) alight but no change	7. Signal terminator wrongly connected or reversed	7. Check the wiring re-wire it properly
	8. Long circuit such as longer than 300m	8. Add signal terminator or amplifier
Abnormal shake during	9. Signal terminator not be properly connected	9. Connect it properly
	10. Long circuit such as longer than 300m	10. Add DMX signal transmitter or splitter

8. Conjunction Diagram

1) Wiring diagram of Master Mode: (Only one decoder is allowed to work as a master)

