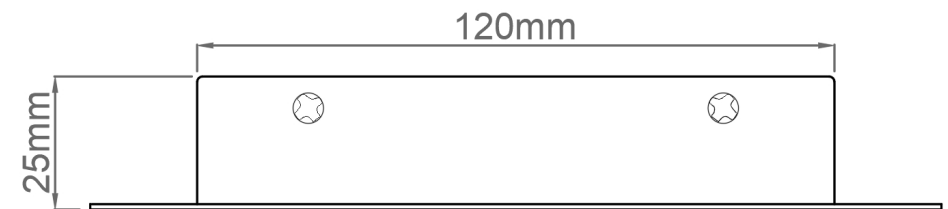
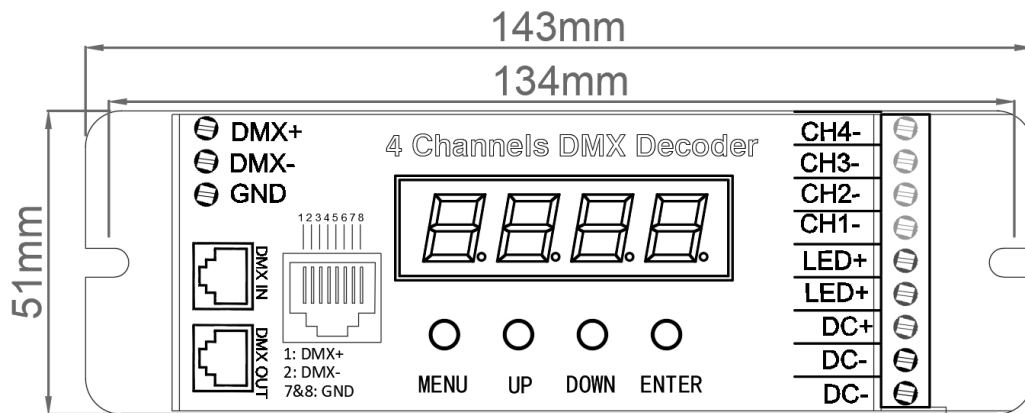


HONDEL 4CH CV DMX Decoder Datasheet

Product Parameter

Input signal:	DMX512	Protection:	Short circuit/ Over current Over-heat protection
Input Voltage:	12~24Vdc	Working temp.:	-25~50°C
Output Power	(0~120W)x4CH Max.at 480W	Dimension:	L143x51x25mm
Output current	Constant Voltage output , Each Channel Current<5A	Other:	Built-in 7modes
Dimmer range	0-100%	Weight:	205g

Product Size:



DMX MODE

1 Channels Mode(display 'H001')-- total dimmer mode

Channel	Function	Instruction
CH1	R&G&B&W Dimmer	Decoder ports R&G&B&W together- Dark to Bright

2 Channels Mode(display 'F001')---2CH dimmer mode

Channel	Function	Instruction
CH1	R&G Dimmer	Decoder ports R&G Dark to Bright
CH2	B&W Dimmer	Decoder ports B&W Dimmer- Dark to Bright

2 Channels color temperature Mode(display 'E001')---color temperature dimmer mode

Channel	Function	Instruction
CH1	R&G&B&W Dimmer	Decoder ports R&G connect warm white, B&W connect cool white,- Dark to Bright
CH2	Color temperature Dimmer	Color from warm white to cool white

4 Channels Mode(display 'D001')

Channel	Function	Instruction
CH1	R Dimmer	Dimmer- Dark to Bright
CH2	G Dimmer	Dimmer- Dark to Bright
CH3	B Dimmer	Dimmer- Dark to Bright
CH4	W Dimmer	Dimmer- Dark to Bright

5 Channels Mode(display 'C001')

Channel	Function	Instruction
CH1	Total Dimmer	RGBW Dark to Bright
CH2	R Dimmer	Red Dimmer- CH1 Dark to Bright
CH3	G Dimmer	Green Dimmer- CH2 Dark to Bright
CH4	B Dimmer	Blue Dimmer- CH3 Dark to Bright
CH5	W Dimmer	White Dimmer- CH4 Dark to Bright

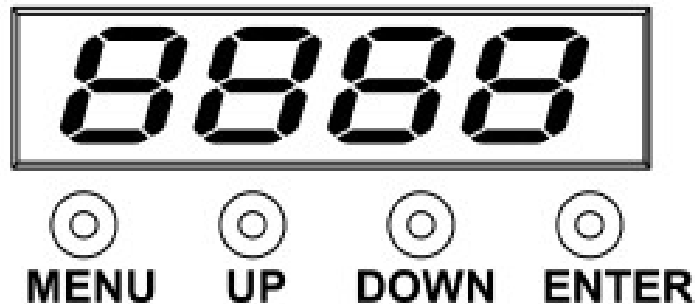
6 Channels Mode(display 'L001')

Channel	Function	Instruction
CH1	R Dimmer	Red Dimmer- Dark to Bright
CH2	G Dimmer	Green Dimmer- Dark to Bright
CH3	B Dimmer	Blue Dimmer- Dark to Bright
CH4	Function Choice	000~025: CH1~CH3&CH5&CH6 Control. 025~075: Different Colors output 076~125: Color gradual changing 126~175: Colors Jump Change 175~225: 4colors Changing. 226~255: 8colors changing
CH5	Total Strobe	RGBW Total Flash Strobe- Slow to Fast
CH6	Total Dimmer	RGBW Total Dimmer- Dark to Bright

8 Channels Mode(display 'A001')

Channel	Function	Instruction
CH1	Total Dimmer	RGBW Total Dimmer- Dark to Bright
CH2	R Dimmer	Red Dimmer- Dark to Bright
CH3	G Dimmer	Green Dimmer- Dark to Bright
CH4	B Dimmer	Blue Dimmer- Dark to Bright
CH5	W Dimmer	White Dimmer- Dark to Bright
CH6	Total Strobe	RGBW Total Flash Strobe- Slow to Fast
CH7	Function Choice	000~050: CH1-CH6 Control. 051~100: Different Colors output 101~150: Colors Jump Change. 151~200: Colors Gradate. 201~250: Colors Pulse Change. 251~255: Sound-Active
CH8	Function/Speed	Slow to Fast (At the Colors output choose the color)

KEYS INSTRUCTION



DIGITAL SHOW FUNCTION FORM

No	Display	Function	Value	Instruction
1	A001	DMX address	001- 512	8CH mode UP,DOWN increase or reduce the value
2	C001	DMX address	001- 512	5CH mode,UP,DOWN increase or reduce the value,
3	L001	DMX address	001- 512	6CH mode UP,DOWN increase or reduce the value
4	D001	DMX address	001- 512	4CH mode,RGBW
5	E001	DMX address	001- 512	2CH color temparture mode
6	F001	DMX address	001- 512	2CH mode,UP,DOWN increase or reduce the value
7	H001	DMX address	001- 512	1CH mode UP,DOWN increase or reduce the value
8	r255	Red dim	000~255	UP,DOWN Change brightness
9	G255	Green dim	000~255	UP,DOWN Change brightness
10	b255	Blue dim	000~255	UP,DOWN Change brightness
11	u255	White dim	000~255	UP,DOWN Change brightness
12	CC15	Colors Jump	00 ~ 15	UP,DOWN change the speed
13	DE15	Colors gradual changing	00 ~ 15	UP,DOWN change the speed
14	CP15	Colors Pulse changing	00 ~ 15	UP,DOWN change the speed

LED Voltage Chosen:

This controller can wire to the LED lamps with a voltage ranges from 12~24Vdc if the input voltage equals output voltage, for example:

the lamp with 12V working voltage, please use 12V power supply, the lamp with 24V working voltage, please use 24V power supply.

LED Power Chosen:

The 12V lamp may load a power ranges from 0~240W; The 24V lamp may load a power ranges from 0~480W.

The power chosen must be 20% higher than the actual load. The principle for power chosen: the more the better.

If the recoil effect occurs because of longer signal line or bad line quality, please try to connect 0.25W 90-120Ω terminal resistor at the end of each line.

An amplifier is needed when more than 32 decoders are connected, signal amplification should not be more than 5 times continuously.

ATTENTION

1. The product shall be installed and serviced by the qualified person.
2. This product is non-waterproof, please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the output voltage of the LED power supply used comply with the working voltage of the product.
5. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.