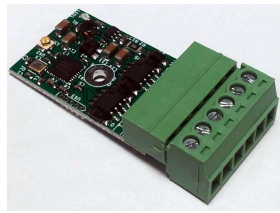


DMX_HF_V4_RGBW (for RGBW LEDSTRIP)



Introduction :

Thank you for purchasing this Electroconcept product. Please carefully read this manual before using the DMX_HF_V4_RGBW in OEM version

Responsibility:

On no account the Electroconcept company shall be held responsible for any damages of any nature whatsoever, notably the operating loss, destruction of consumables (tape, disc, CD, ledstrip) or any other financial loss resulting from the use or the impossibility to use your equipment. In addition Electroconcept shall not be held responsible for damages due to an improper use of this product

Warranty :

Electroconcept products have a 2 years manufacturer warranty (electronic). The equipment shall be returned prepaid (at the customer's own expense). Any freight collect will be refused. The equipment shall be returned in its original packaging. The equipment's restitution will be at our own expense. Are excluded from warranty: damages due to fault, negligence, lack of maintenance by the user (broken, burnt, heated, wet, sandy...etc devices), already installed devices of which the failure would originate from an improper installation or use by the customer.

In the case of DMX_HF_V4_RGBW, this product has been tested before shipping. Wiring error throughout the installation excludes the warranty.

Your products' modification is at the installer's own risk.

TECHNICAL SPECIFICATIONS :

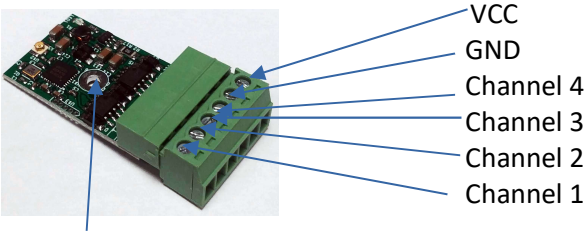
Power supply : DC from +3.5 to +30 Volts

Dimensions : 45mm X 22mm X 12 mm (without connector)

Channels power : 8A per channel, about 90W at 12V (total 360W)

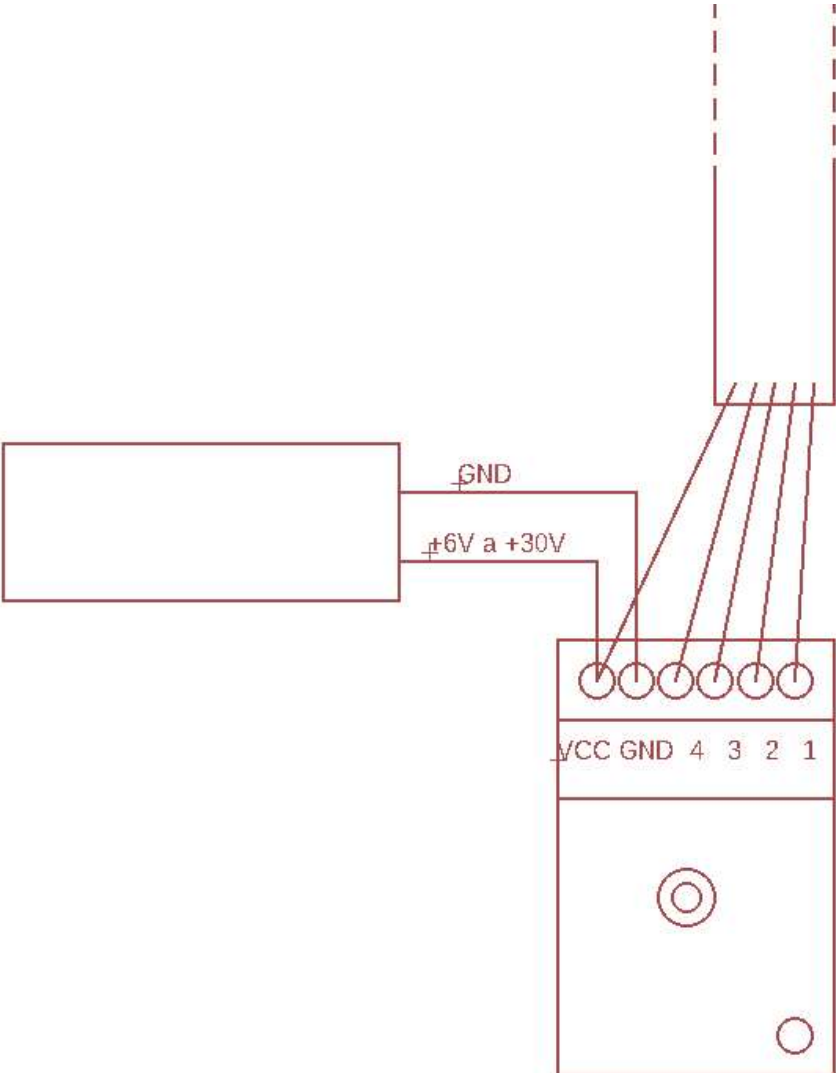
Output APWM : frequency about 65Khz with a 16 bits definition.

Connection advice :



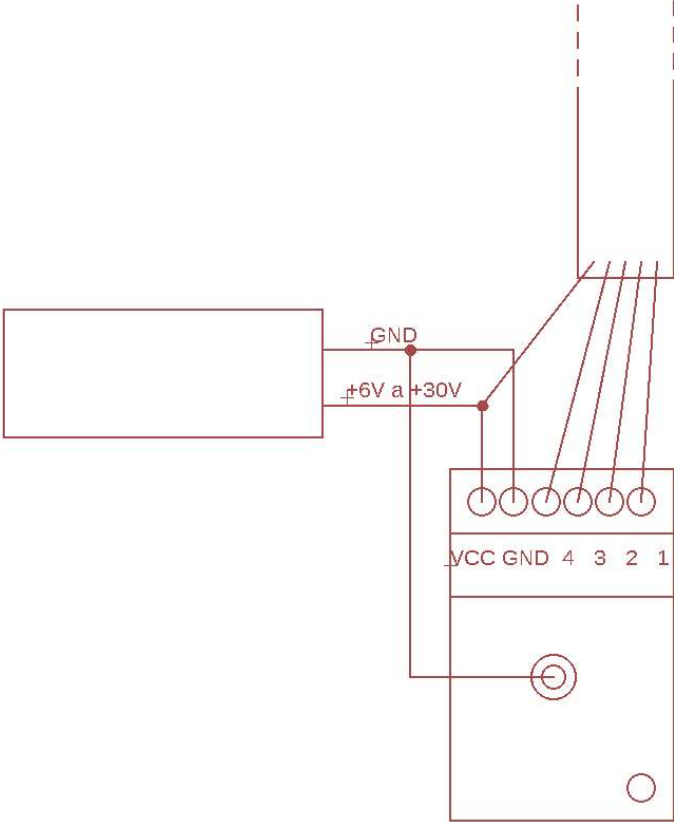
GND for powers > 8 Amperes in full.

Connection for TOTAL intensity <8A :



Connection for TOTAL intensity >8A :

V+ of leds strips must be connected straight on power supply.
V- (GND) must be connected on connector's inputs AND on the mounting hole located at the board's center.



DMX address setting :

DMX and universe address assignation are made with the DMX HF transmitter.

In the « Expert » mode of assignation menu (You'll need a transmitter >2.xD),
You can select « DMX mode » between 0 and 4 .

Channels DMX Mode 0 and Mode 1 :

Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6
Dimmer	Strob	Out 1	Out 2	Out 3	Out 4

Mode 0 : Output with Gamma correction

Mode 1 : Linear output

Channels DMX Mode 2 and Mode 3 :

Channel 1	Channel 2	Channel 3	Channel 4
Out 1	Out 2	Out 3	Out 4

Mode 2 : Output with Gamma correction

Mode 3 : Linear output

Channel DMX Mode 4 :

Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8
Out 1 H	Out 1 L	Out 2 H	Out 2 L	Out 3 H	Out 3 L	Out 4 H	Out 4 L

The setting of each output is on 2 channels H for most significant bit and L for least significant bit.

Expert mode also allows for the board's use with a power level at start, preset per channel, from 0 to 255.

Param0 is channel 1, Param1 = channel 2 etc..

Use :

When powering up your device, the board will scan frequencies to find the transmitter to which it is assigned. Scan is showed by the led's slow flashing. As soon as this task is done, the DMX led must flash at the rate of DMX frames

Electroconcept SARL
ZA LA GARE 69620 CHAMELET