

CHAM-20

Order Code	Product Code	Description
20129	CHAM-20	DMX512 Decoder

Thank you for purchasing your new Chameleon-20, Please take the time to read and understand the instruction sheet below. Failure to do so may void warranty.

Specifications

Input Signal:	DMX-512	Maximum Loading (W):	12V DC - 96W per channel 24V DC - 192W per channel
Input Voltage (VDC):	12-24V DC	Channel Selectable:	3ch or 4ch
Output Voltage (VDC):	12-24V DC	Expandable:	Yes, via Chameleon 05 data repeater
Output Current (A):	4ch x 8A		

Using the push buttons located under the digital display the user can set the desired DMX-512 address. Button (1) sets to “Hundreds” button (2) sets to “Tens” and button (3) sets to “Units”.

Channel selection:

The Chameleon-20 DMX-512 decoder has the ability for the user to select between 3ch or 4ch mode. To do this please follow the below instructions.

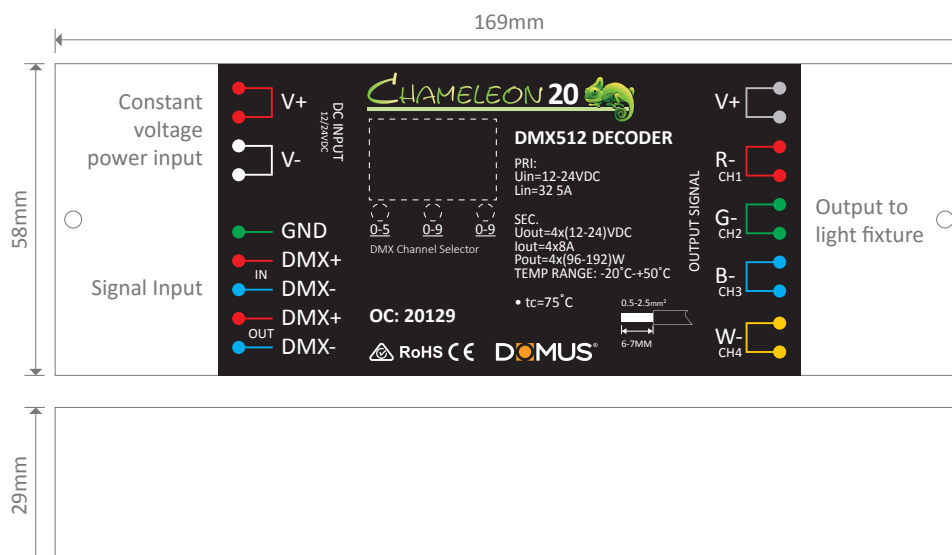
Press button (2) and buttons (3) at the same time for 2 seconds.

ch will flash in **RED** on the digital display.

Pressing button (1) repeatedly to choose 1, 2, 3 or 4ch modes. Seeing 3ch on the digital display means you have selected 3ch mode. Seeing 4ch on the digital display means you have selected 4ch mode.

Once the channel has been selected please press and hold any button down for a period of >2 seconds to confirm channel selection.

Please note: The factory present is set to 4ch mode.



Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product

-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

Installation Manual

As an example, if address **001** has been selected the following will occur with the output channels.
When **1cH** mode has been selected the following will occur.

Setting DMX address:

When Channel mode has been selected the following will occur.

1cH	2cH	3cH	4cH
Ch: 1-address 001	Ch: 1-address 001	Ch: 1-address 001	Ch: 1-address 001
Ch: 2-address 001	Ch: 2-address 002	Ch: 2-address 002	Ch: 2-address 002
Ch: 3-address 001	Ch: 3-address 001	Ch: 3-address 003	Ch: 3-address 003
Ch: 4-address 001	Ch: 4-address 002	Ch: 4-address 001	Ch: 4-address 004

To set the desired DMX-512 address, please follow the following instructions.

- By pressing button (1) for 2 seconds you will notice the red digital display will start flashing. You will now be able to use buttons 1, 2 and 3 to set the desired address.
- Once the desired address has been selected press and hold any button for a period >2 seconds to confirm selection.

Selecting PWM frequency:

For selecting the correct PWM frequency, please follow the below sequence.



- Press and hold Button (1) and button (3) for 2 seconds. The digital display will now flash and show **P-c**.

P mean PWM frequency:

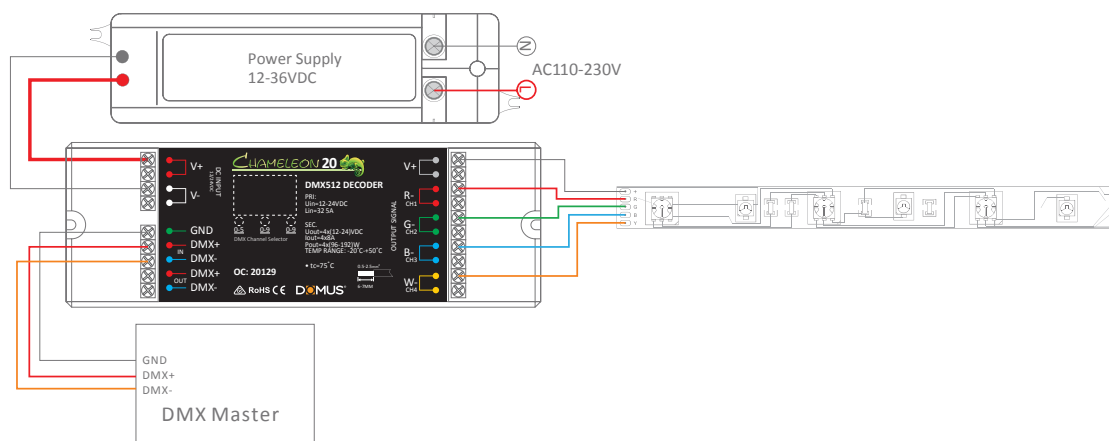
- By pressing button once shows (1) which sets the frequency to “1500Hz”.
- Pressing it again will show (2) which sets the frequency to “200Hz”.

C means dimming options:

- By pressing the 3rd time shows (1) meaning logarithmic dimming, (2) means linear dimming.

Please note: The factory present is set PWM frequency 200Hz linear dimming **2-2**.

Wiring diagram



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