



## Servo Expander/Extender

Thank you for purchasing one of our Modules. We hope it will give you many years of trouble free service. If you have any problems with your module, please either email or contact our technical support helpline first on the number provided on the last page. We are sorry that it is a mobile number, but we work between three sites and find that our mobiles are far more versatile for our non –electronic communication needs.

**Please Note...** This module **WILL ONLY** work with Pulse Width Modulation (PWM/PPM) Mode RC Systems with 5v – 6v Servos. It will NOT work with Pulse Code Modulated (PCM/F.S.S.T.) systems.

### Background and History.

The project was an extension from our very popular Modified Servo Range, to where we have taken the microprocessor firmware used in the modification and made this very useful module.

**Irreparable damage will occur to the internal components of the module if you:**

**Exceed the Maximum Supply Voltage of 6.5v.**

**Allow water or fluid to enter the module.**

### Usage

The Servo Expander/Extender can be used with any Standard (Pulse Width Modulated (PWM) 3 Wire Servo, Futaba/GWS/Hitec/Tower Pro type servo, simply plug it Inline between your Servo and Receiver, and use.

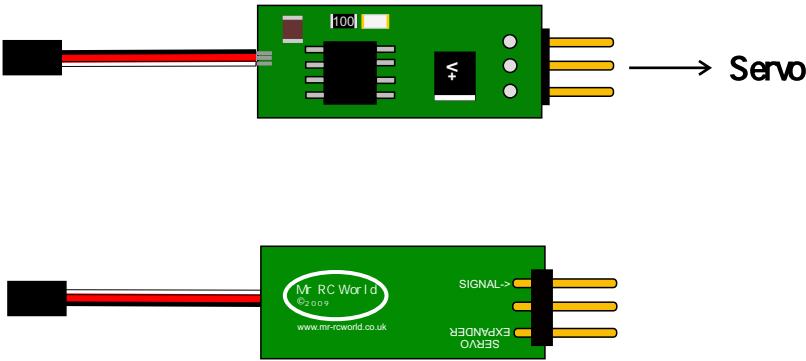
When powered and a valid signal is received the onboard LED will flash once very quickly as a greeting and then turn off. If you see the LED on constantly, you are not giving it a PWM Signal which it recognises. Either you have not turned your Transmitter on, you have misconnected the Signal/Supply Line (Black, Red and White Lead) or you are not receiving a PWM RC Signal on the input line to the Expander Module.

The connection between the Expander and your Servo, although vital in polarity, no harm will come to either the Expander or your Servo if you reverse the connection – it simply will not work if it is wrongly connected.

As ever, your comments, feedback, and evaluation reports are vital to help us to develop and improve our products. If you pleased with your purchase, please let us know, or even better still send us some snaps or video or your project which we can use in our sales advertisements on our website.

Should you need technical support for your purchase, please call +4475 9998183 (075 99998183) between 9am and 5pm Monday to Friday. Please remember, we are a Micro-Business, We **DO NOT** have a dedicated sales desk or enquiries/support staff consequently it may take a few attempts to speak with us. If you find this frustrating, please drop us an email with your name and a phone number and we will return your call as promptly as possible. Email: [support@mr-rcworld.co.uk](mailto:support@mr-rcworld.co.uk)

**Please Note...** To maintain our multiple order carriage discounts to you, if your order was for more than one module of the same kind, we will only have sent you one set of documentation. If you need more copies, please contact us to where we will send you printable .pdf's to where you can make as many copies as you wish.



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