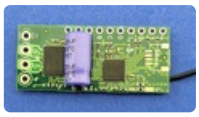
Micron MR603c DSM2/DSMX 20V Receiver with 3A Bi-Directional ESC


MR603c Top

Overview:

MR603c is the 3rd version of MR603, a 2.4GHz DSM2/DSMX receiver which includes one integrated 3A reversable controller for brushed motors (ESC) plus 10 auxiliary outputs (4xF, 6xP) for lighting, sound trigger, couplers, etc. It can be used with any Spektrum DSM2/DSMX compatible transmitter; this includes all of the Micron model rail transmitters or a stick model aircraft type transmitter.

MR603c is 36.75x16x10mm and weighs 3.6g without leads. The voltage range is 5V to 20v and the 3A motor current rating makes it suitable for Gauges 0 and 1 plus 16mm narrow gauge. MR603c is available as board-only for you to add wiring or with a range of pre-wired leads / connectors. The standard output configuration is described on the Outputs tab. If the wiring or configuration options do not meet your needs, please contact us to discuss your requirements.

An enormous range of programming features are provide to enable you to customise the operation of MR603c to suit your model. The current firmware version is 1.8.1. See MR603 Programming (v1.5) for full details of the available functionality or the user manual for brief details. Access to programming is either via a stick type transmitter or one of the Micron model rail transmitters. A stand-alone programmer with web interface is in development.

Specification:

Size:	36.75 x 16 x 10mm
Weight:	3.6g without leads
Protocol:	Spektrum DSM2/DSMX
Voltage:	5V - 20V
Motor Current:	3A max continuous
P outputs:	6 (P1..P6), 0V when off, 3.3V when on, max 20mA
F switches:	4 (F1..F4 or A..D) open when off, closed to negative when on

Low Voltage Cutoff:

The default receiver setting is for the Low Voltage Cutoff (LVC) threshold to be determined from the voltage seen on initialisation - basically, the receiver firmware makes a 'guess' at the battery type. The algorithm used for this calculation means that a 9V Alkaline or NIMH battery can often be interpreted as an almost discharged 3S LiPo. The solution is to either disable LVC, or set it to the correct value for your battery; this is done by programming the receiver.

Instructions for programming receivers using your transmitter are at the end of the information leaflet that came with the transmitter.

The receiver programming steps for LVC are:

disable LVC: 4 2 1
enable auto LVC: 4 2 2
set LVC: 4 2 3 units tenths

e.g. to set the LVC to 6.5V, the programming steps are: 4 2 3 6 5

The receiver is normally supplied as a bare board, with wiring options as specified in the menus below. The MR603c is available with either a short wire aerial or a 150mm extended aerial for use in metal bodied vehicles; when using the extended aerial, it be mounted so that the last 30mm of the aerial can 'see' the transmitter.

The default behaviour of the P outputs and F switches are defined on the Configuration tab. F switches are best used for sound card triggers - select configuration #2 or #3 to match your transmitter controls. Other setups are available; contact Micron to discuss if none of the standard configurations or wiring options matches your need.

Price: from £42.00