

USEFUL TIPS

FOR MGM CONTROLLERS X2-SERIES ESCs

**DO NOT EXCEED THE MAX VOLTAGE
DO NOT CHANGE POLARITY**

DATA SHEET
HIGH POWER



DATA SHEET
LOW POWER



FAQ



DOWNLOAD
CONTROLLER 2



OUR 63V ESCs are made in **OPTO version**, meaning, they don't have an internal BEC. That's why you need to feed your receiver.

1/ BY USING AN EXTERNAL BEC

2/ By using separate 2s Li-po battery (recommended)

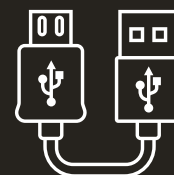
EXTERNAL
BEC



HOW TO CONNECT ESC TO YOUR COMPUTER

1/ Run the **CONTROLLER 2 PC** application

2/ Connect the ESC to your battery + turn ON the ESC



HOW TO READ OUT THE HISTORY FROM YOUR ESC

1/ Run the **CONTROLLER 2 PC** application

2/ Connect the ESC to your battery + turn ON the ESC

3/ Choose "History" tab in your Controller 2 application

4/ Click "Read"

5/ Export the **.xls** and **.hdf** files by clicking "Save history"

YT VIDEO



SEND US
YOUR LOG



**DON'T FORGET TO SAVE THE LOG
IT RE-WITES ITSELF WITH EACH STARTUP**

RECOMMENDED SETTINGS FOR THE FIRST RUN

There are plenty of parameters you can adjust to get your setup working with the highest possible efficiency. It's good to start with the default settings and perform first test run.

P52	Motor timing	15°	recommended for LMT motors
P16	Acceleration	min. 2.5 sec	to keep the peak current low during the acceleration
P22	Brake intensity	95 %	makes the motor stop on the dime
P21	Freewheel	Yes	freewheel as you know it
P83	Min. starting power	1.5 %	for smoother startup



BATTERY SETTINGS



P42	Controller feeding
P43	Number of cells
P44	Cut-off voltage per cells
P45	Empty battery behavior
P77	Empty battery in advance warning

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according to your battery pack

3.6 V

power reduction + prewarning by P77

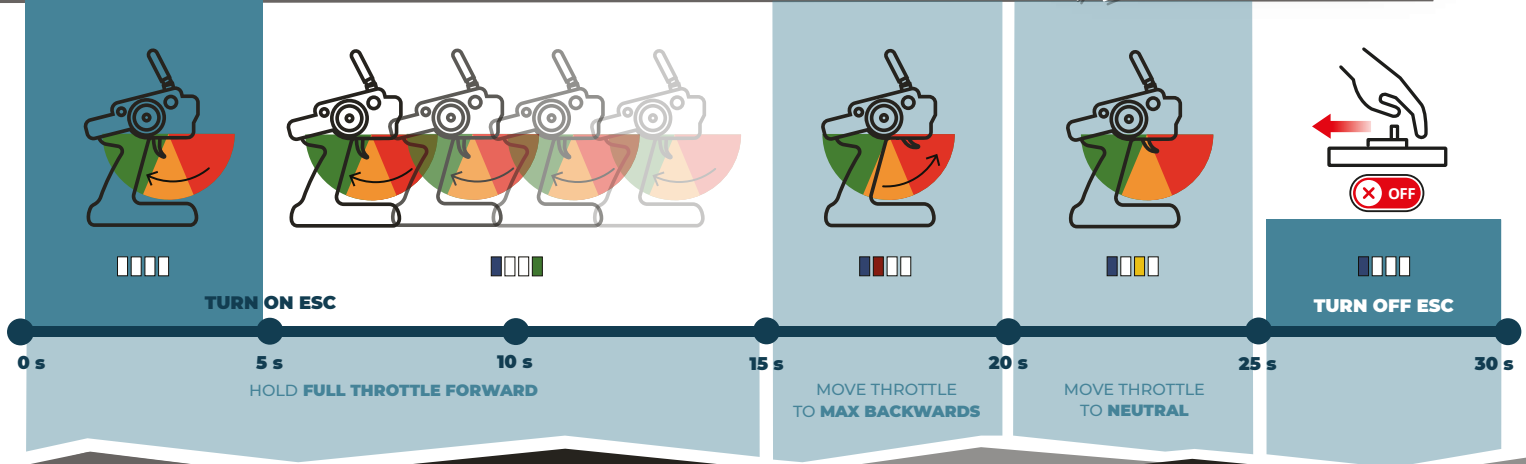
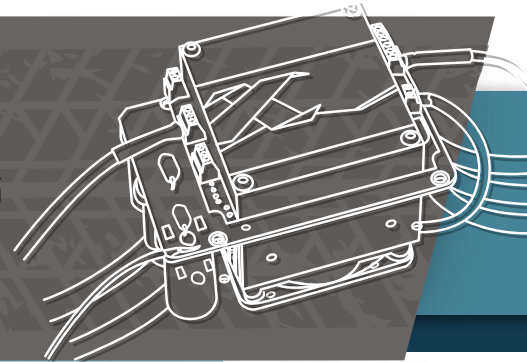
3.7 V

Recommended settings for LI-PO batteries (for cars and boats).
You will prevent possible damage to your batteries by setting these parameters correctly.

HOW TO PAIR ESC WITH YOUR TRANSMITTER



ESC - TRANSMITTER PAIRING

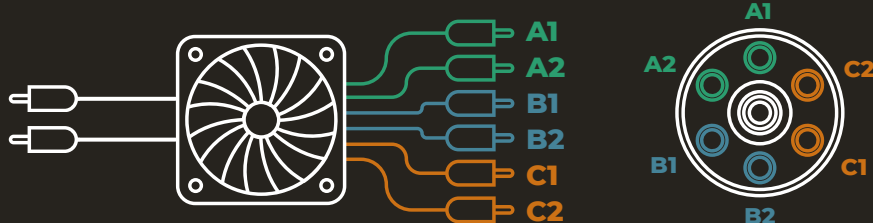


YT VIDEO



CONNECTING MGM ESC TO LMT MOTOR

To change the motor spinning direction, swap phases A and B.



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www.mgm-controllers.com

If you have any questions, contact us at info@mgm-controllers.com