

PRODUCT REVIEW:

FingerTech Robotics TinyESC v2.4

● by Pete Smith

TinyESC speed controllers have typically been the ESC (electronic speed controller) of choice for the drives of many Ant and Beetleweight combat robots.

Their small size and low weight combined with a good current rating have made them – sometimes – the only choice to fit in some smaller bots.

The latest version – the TinyESC v2.4 – retains and, in fact, improves on those qualities.

The old version used two pins and a jumper for calibration (calibration is useful, especially with the mixing on newer Spektrum DSM2 radios), and while these worked, they made the ESC larger and left the two calibrating pins exposed.

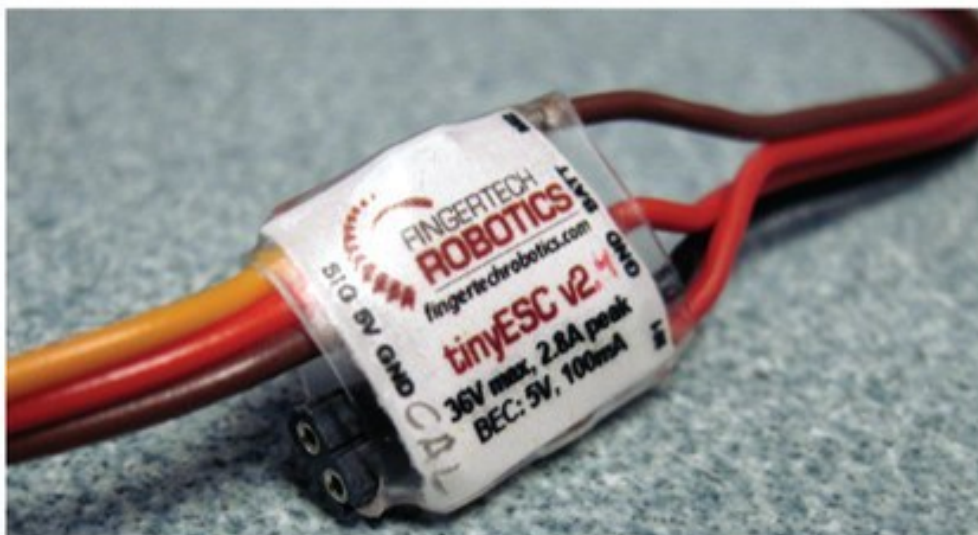
The new version solves these problems by using a tiny female right-angled header on the board which is shorted with a thin wire when you want to calibrate.

This works well and is much neater, but my ESCs did not come with that wire so I had to make one.

It would be better if such a wire was included, as the small gauge (preferably solid core) wire required may not be readily available.

The other changes to the ESC are protection against mistakenly connecting the power up incorrectly (I've blown a couple of the old ones doing that), and changes to the BEC circuit so that you can have more than one ESC powering your receiver without issues.

These improvements should keep



TinyESC v2.4.

the TinyESC as the number one choice for your smaller bots.

More details can be found at www.fingertechrobotics.com. **SV**

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