

## MaT Newsletter - March 2016 - Easter Special Edition

Hello Everyone in the R/C, Electronics and Mechatronics World and welcome to the first issue of the Mahoney Technologies GmbH News Letter. In this issue we will introduce Mahoney Technologies and what we do.

### Our Business:

- Servos for all R/C Models ( Airplanes, Helicopters, Boats, Cars and Robotics )
- R/C Helicopters, the SFour and on the future evolution of descendants of the SFour and other designs such as Drones and Autonomous vehicles we develop.
- Selected Radio Control Accessories for our R/C Product line.
- Sales of Novarossi Engines and Accessories.
- Electronic Circuit Design, Printed Circuit Design and Layout.
- Electronic Engineering Prototyping PCBs and Modular Circuit blocks.
- Embedded Programming.
- Creating Application Note PCBs for Linear Technology App Notes and App Notes by the late Jim Williams, one of the world's best Analog Designers.
- Custom Design Project Work.

We started Mahoney Technologies in October 2015 and have been busy to set up the business and finish all the required paper work. During this time we acquired all rights to sell and to continue the future development of the Concept SFour Helicopter under our own label, Mahoney Technologies (**MaT**).

I have just finished laying out a second prototyping Board for Linear Technology's TimerBlox series, LTC699x-x, ( LTC6990 – LTC6995-2 ). These TimerBlox ICs cover everything that could be done with the original NE555 Timer IC and more, and with most circuits using only three resistors!

At the LTC website there is a Excel/Visual Basic design program that makes TB design very easy. Very Low Frequency and High Frequency Oscillators, One-Shots, PWM, Delay and switch debouncing, POR ( Power On Reset and Ultra Long timing and Ultra Low Frequency Oscillators – all with 2.5% tolerance over the full temperature range when using 1% resistors. I worked on the applications of these TimerBlox Parts while working at LTC and I also designed the prototyping Boards at LTC.

[Linear Technology Corp](#)

[LTC Journal TimerBlox Family Introduction](#)

### LTC TimerBlox Data Sheet Links:

[LTC 6990 Oscillator Data Sheet](#)

[LTC6991 Low Frequency Data Sheet](#)

[LTC6992-x PWM Family](#)

[LTC6993-x Monostable \( One Shot \) Family](#)

[LTC6994-x Delay Block / Debouncer Family](#)

[LTC6995-x Long Timer / Low Frequency Oscillator](#)

We have started selling our Servos, SFour Kits and spare parts, Novarossi Engines, and prototyping Boards at our online store:

<http://shop.mahoney-tech.de>

### Our Goals

- Provide and develop High performance products and offer the appropriate support accessories.
- Provide Electronic and Mechanical Prototyping tools and materials.
- Provide Circuit Design – PCB Layout – Mechanical design.

### Our customers:

Everyone interested in pursuing their goals in there hobby and in their work – people who are working to make their dreams come true. People who want to work, learn, and Create.

### How we will help our customers:

- Sell High Performance products
- Design or help to design products.
- Encourage people of all ages to be doers, inventors, creators, and to pursue excellence in what they do.
- Find and develop products that are high performance, provide information and links to sources of useful information.

We will update at least every month and at any time there is something important or interesting to let our readers to know about.

**Check out our Easter Sales Specials on our Servos and SFour Kits!**

Thanks,  
James and Team



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