STICK RADIO COMBO REVIE by Dez Ghand

Running a model car is possible with just a simple two set with only trims and steering rate, but without precise control to put the vehicle

exactly where it should be on the track there is next to no chance of winning the race.

To put this level of equipment within most peoples reach, Hitec have

introduced the Pro Car version of the Flash 4. A micro computer combo with many features, normally found only on transmitters at twice the price. £149.95 buys you the transmitter, receiver, tx and rx nicad packs and a mains nicad charger that can cope with both packs at the same time.

It's all in the memory

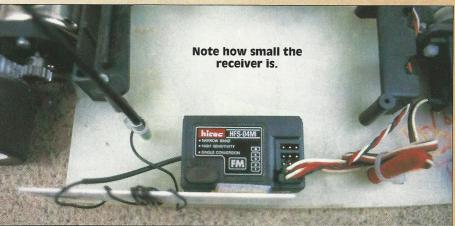
Being computerised, the tx is capable of retaining two model memories and offers throttle curve, steering curve, stopwatch and dual rates

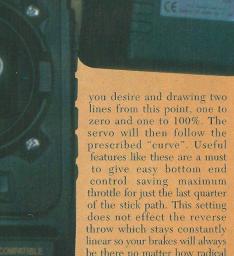
which allows you to mix the two as only a computer can. With digital trims you can rest assured that the settings will not be adjusted accidentally or alter in transit so the model will be set up exactly as you last left it, as long as you remembered to save any alterations into the memory. The menu will inform you how far from the servo neutral you have selected and if this approaches 25% it is suggested that you alter your links or rotate the servo horn by a couple of splines to bring this back to nearer zero.

The Riler's Partner

Just as it comes out of the box.

Throttle and steering curve calculations are worked out by telling the computer how far into each sticks throw what percentage servo travel





Lock to Lock

The steering curve works in the same way but does apply equally to both sides of neutral to give a balanced result. If you don't want a balance then the left and right end point adjustments will cater for any bias from 0-125% of servo movement that your particular circumstances require. On most circuit and off road cars a balance can be achieved more accurately than by a good chassis set up alone could ever do and give your thumbs a much

easier time come race day

worth saving to memory. separate all the functions into family groups so that none are adjusted unintentionally down. Model 1 or 2 selectable. down. Count down timer set and all reset option. be there no matter how radical and up. EPA, sub trims, servo reverse, steering your throttle curve becomes curve, throttle curve, dual rate curve mixing as (this works for electric and IC described earlier.

On screen

The normal screen view is battery voltage but this changes to the countdown timer with the press of the timer button, this will continue to show the countdown, between 1 and 30 minutes as set in the menu for this particular model memory, until the alarm sounds for the last 10 seconds. There is a built in battery alarm which sounds very similar and will sound if you get into trouble (below 9.2 volts) whether the timer is running or not but with a 600 mAh nicad pack you should get a maximum of three hours running time from a full charge, enough to run two different classes at one meeting competing in

the desired steering rate above and below this point. Typically an 80% change point,

with 100% steering below and 75-85%

above to make full throttle steering

responses less than at slow corners. This

should smooth out any over corrections

when the red mist rises, all your good

intentions disappear and a bad dose of premature power on leads to fishtailing

down the straight. This feature can become a

steering rate adjuster whilst racing simply by

leaving the screen in programming mode and

using the steering trim switch to alter the

numbers on the screen that relate to the high or

low level steering rate until you have a set up

There are three programming modes that

Mode A: switch on with timer and save held

Mode B: switch on with timer and up held

Mode C: whilst switched on hold down timer



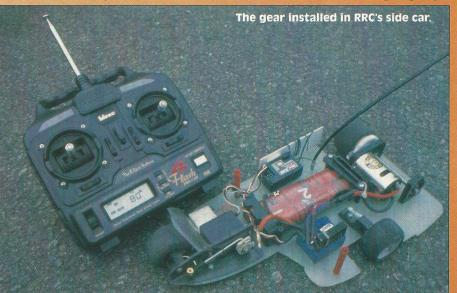
Rear view of the transmitter with the battery cover removed.

all four rounds and even an half hour I.C. main "A" finals!

In the battery compartment is the plug-in nicad pack but also the option to slot in a cassette of 8 normal batteries if you prefer. Next door, under the same cover, is a storage space for two crystals so you no longer have an excuse for holding up a race by rushing back to the pits to change frequency. Handy on any multi model memory set. I'd say damn near imperative but then I never did like wasting time just standing around at a large multi formula meeting. I'd rather be out there getting some track time no matter how diverse the classes, so this handy crystal cubby hole may just mean I'll gain some weight over the summer for a change. Other physical options are stick length and, by opening the back to allow screw driver access, stick spring tension so that Giant Haystack and Rudolf Nurevev can obtain the same feel (well, on the rostrum at least).

The receiver (available separately for £29.95) is compact for a four channel 40 mhz rx and although it states it nowhere, not even in the instructions, it is B.E.C. equipped so the supplied intend to run an I.C. of some description, or something like a scale saloon where the weight limits are so high that you may as well run a receiver pack; it beats cable tying a pair of pliers to your top deck!

In conclusion, if this basic priced yet multi function combo can tame an ungainly creature like a sidecar outfit with ease it should go some way to improving just about anything you care to point it at. It is even aircraft compatible, by using all four channels at once, in case your particular horizons ever look up but as I don't have the Ill leave that side of things to some other fly boy,



Specification

Transmitter

2 Channel Car/ 4 Channel Airplane PPM/FM 2 Model Memory Timer With Alarm Transmitter Battery Voltage Indicator/Low Battery Alarm All Channel End Point Adjustment (EPA) Servo Reverse Auto Dual Rates (Car Only) Curve Point Setting (Steering/Throttle)

Curve Mixing (Steering/Throttle)

Receiver

Trim Memory All Data Reset

Ultra Narrow Band 455 KHz / 10.7 MHz Middle Frequency Low Power Consumption