

Scorpius Analogica.

The logical analogue system with sting!

Analogue users, imagine.....

Wireless controllers as standard. World first.

Headlights, low and high beam, flash headlights, tail and working brake lights all controlled wirelessly from your controller as standard equipment. World first.

On board fuel tank based on actual power used. World first.

In car simulated tank weight car behaviour. World first.

In car simulated tyre wear based on actual distance travelled. World first.

In car simulated brake pad wear based on the actual amount of braking done. World first.

In car accelerometer. World first.

In car simulated damage based on real impacts. World first.

Plug and play wireless lapcounter. (Scalextric, Ninco, Carrera and Policar track pieces) World first.

Analogue plug and play pit lane sensors. (Scalextric, Ninco, Carrera and Policar track pieces) World first.

Ability for analogue car to enter pits using wireless control. World first.

Analogue sector timing.

Real time telemetry for analogue cars. World first.

Real time wireless tacho. World first.

Analogue ghost car with smarts. World first.

Worlds most comprehensive Race Management System software.

What is it? Think of it as a light board that you would typically put in any analogue car that works in conjunction with the Scorpius wireless controller. Except this light board is special. It is 100% wireless. It not only can power lights it can power the slot car motor using a powerful 10A mosfet driver. It eliminates the *WAM (one per lane) however the flip side is you need one Analogica MPD board per slot car as you would with one light board per slot car.

*WAM: A wireless transceiver with 35A drive mosfet that connects to the driver station.

Just to be clear this is genuinely a 100% compatible sub system. You can use the Analogica board and Scorpius controller on any analogue track, positively wired, with driver stations, ie no analogue powerbase.

Another way of looking at it we are using an on board micro processor, wireless transceiver, motor drivers, LED drivers, sensors, accelerometers etc to give an enhanced analogue experience. Cost \$60 AUD plus tax.

3 ways to deliver power on an analogue slot system:

Traditional: Power is configured at the controller and fed to motor vis slot rail.

WAM: Powered is configured at the driver station and fed to motor via rails.

*Analogica: Powered is configured in car and goes direct to motor.

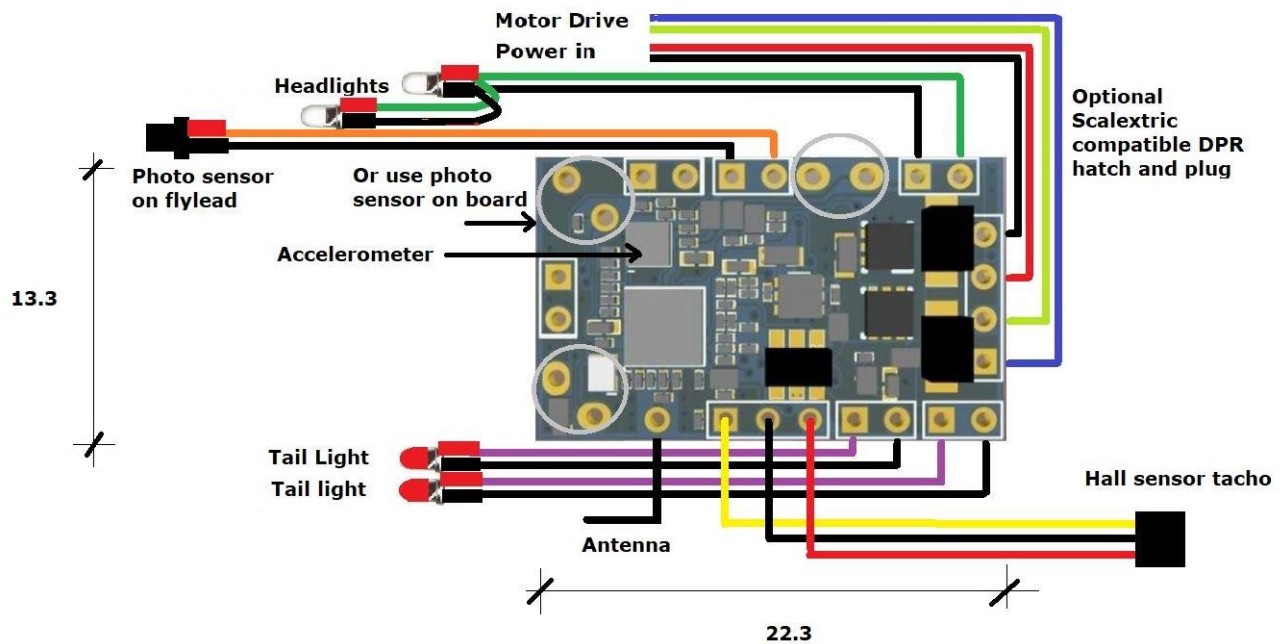
*Full power on rails is required. Jumper cable used to bypass driver station (No driver station required with Analogica)



The colour coded boots on alligator clips makes it quick and easy to bypass the traditional controller.

This essentially gives full power, typically 8-18V to the rails of a given lane.

ANALOGICA by Scorpis



The Analogica board just 22.3x13mm

ANALOGICA DECODER:

Pre requisite: Scorpis controller, one per car, driver station, analogue track, power supply, preferably variable.

Analogica board size: 22.3x13.3x1.7mm.

Options: Dongle, race software, lap counter, pit sensor, sector sensor.

Channels: Up to 24 separate car channels can be used in one room. ie four 6 lane tracks.

Voltage: Range is 8.5V to 18V. Powered from braids.

Power rating: 10 amps.

Braid wires: 24AWG silicone.

Motor wires: 24AWG poly insulated.

Antenna: 24AWG x 28mm long.

Photo sensor: On 26AWG poly insulated flylead.

Range: 20 m minimum.

Reprogrammable: Use Scorpis dongle and programs to reconfigure settings as required.

Updates: Use Scorpis app to perform free wireless updates.

Headlights: 2 x 3mm clear LEDs on 28AWG flyleads with heatshrink (unshrunk for your convenience).

Controlled from controller Aux button. Turn lights on/off and flash high beam.

Tail/brake lights: 2 x 3mm red LEDs on 28AWG flyleads.

Hall sensor: Optional tachometer function. Attaches to motor and sends RPM to PC.

Accelerometer: To detect impacts for use in damage assessment and simulations or an analogue ghost car to race against.

Scalextric DPR compatible: Fits the Analogica Scalextric compatible hatch using 3 small stainless screws. i.e. Plug and play.

DPR hatch: Optional \$5AUD plus tax. Plug and play on any Scalextric or Pioneer DPR car.

Data rate: 1Mbps

Throttle resolution: 256 steps

Brake resolution: 256 steps

SCORPIUS CONTROLLER

See in depth video here:

<https://youtu.be/TUupv47vHKI>



TRACK OPTIONS

Lap counter: Use existing lap counter or optionally use the Analogica lap counter at around \$60AUD plus tax per lane. Plug and play lap counter track piece with painted white line fitted ready to use add \$60AUD plus tax.

Race software: Use your existing lapcounter and race software or use optional Scorpius Race Management Software at \$119AUD plus tax. If you love RC Coordinator you will love this but you must use the Analogica lap counter.

Pit detection: Use the Analogica plug and play pit/sector detector at around \$60AUD plus tax per lane. Plug and play lap counter track piece with painted white line fitted ready to use add \$60AUD plus tax.

RACE SOFTWARE

Worlds best race software or your money refunded.

Try 30 days for free. Run the demo mode.

<https://racecoordinator.net/sw.html>