

Competition Electronic Ignition Systems Specialists

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NEW !

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NEW !

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Charging instructions for 2012 **Orange Top-Pro** model with new **20v Battery** Calibrated for **Twin Plug Engines** (identified by B7)

1/ **Your new 2012 Pro** unit is equipped with a "built in" regulated charger using a normal 12/14v supply, when fully charged the **yellow** charging LED will pulse momentarily, go dim or go out, but the **blue** "charge level" LED indicator which comes on nearing full charge **glows bright** when fully charged. If the **blue** "charge level" LED is bright (when unplugged from 12v supply) your unit is fully charged, if the **blue** LED is very dim, then your unit needs at least 1 to 2 hours charge. (When the "blue" LED is ON, the battery is 95% charged, when the "yellow LED" is DIM or OFF, the battery is 100% Charged)

Note : The "Blue" LED is only a charging level indicator that indicates that the battery is charged, while in use it will go out, this is normal.

2/ If your unit is accidentally discharged (ie left switched on for 12 hours or more) the **red on** light will be very dim or unlit. Switch unit off and put on charge for 10 to 12 hours.

3/ **IMPORTANT NOTES:** Your unit cannot be easily overcharged, but it is good practise **not to exceed the 14 hours maximum** charge period.

Do not charge the unit in an unventilated high temperature environment. Preferably at normal room temperature between 18 and 30 degrees Centigrade.

***INSURE THAT THE UNIT IS SWITCHED OFF BEFORE AND DURING CHARGING.**

This model can now be charged safely on the move with a 12 to 14v supply as the unit now has a special regulated charging circuit.

4/ Running Times:

Motocross: At an average engine speed of 4.500rpm with a fully charged battery will run for **4 to 4.5 hours.**

Road Racing: At an average engine speed of 9000rpm with a fully charged battery will run for **2 to 2.5 hours.**

Isle of Man Racing*: At an average engine speed of 9000rpm with a fully charged battery will run for **5 hour** (without a tacho drive or with a Krober tacho drive) **or 4 hours** (with a Stack tacho drive - a precision stepper motor model). *(A specially tuned IOM model for petrol based fuels only).

6/ **All 20v models are all fitted with *battery charge condition test points. If you so wish you can check the state of charge in the following manner* :** The correct method to use this test point is to monitor battery voltage rise **while on charge**. In this way you will have an accurate readout of the state and progress of the charge. The unit is fully charged when the voltage reading reaches from 21.4 to 21.6v

Note : If voltage after 30 minutes of charge is less than 20v (blue LED out) the unit will need minimum 7 hours charge. A suitable voltmeter is available from Interspan and is recommended.

Please be advised that these instructions should be respected and that the Interspan company cannot be responsible for any obvious damage due to misuse.

If in any doubt, please do contact us for any advice and guidance that you may require.