

## Micro-Glow V-6-R2

### **SETUP:**

Solder Dean's plugs onto battery and Micro-Glow leads.

Note \* above is only If you don't have an RTF unit.

Run wiring to glow plug and ground lug to engine block.

Plug the male servo wire lead into your throttle channel.

Plug throttle servo into female radio plug.

Confirm throttle and led match movement, throttle down (idle area)

Led Green, throttle Up Led Red. If not see Reversing Micro-Glow.



### **PROGRAMMING YOUR MICRO GLOW:**

Turn on transmitter.

Turn on airplane power.

Move throttle trim and stick to the lowest position (0% or throttle completely closed).

Set trim for idle and move stick to the highest point you wish to have glow "ON" and press the Blk programming button once. It's only required to press or tap the button, holding it down for more than a few seconds only takes up time. Pull throttle stick back to idle position confirm that the Led is Green.

Move throttle stick past the point where you wanted Glow "On" Led should be Red. If the reverse is true I.e. stick back at idle and red, move forward led Green, then you must reverse operation see set up below.

### **REVERSE OPERATION:**

Transmitter MUST be OFF!

Press and Hold the Black programming button.

While your holding the button down Power up airplane ONLY.

Led should go from Red to Green / Green to Red.

Note only hold down until led "flips once" then release.

Release programming button and power down airplane.

Go back to programming your glow section.

### **MISSING RADIO ALARM:**

Should you walk off and forget to power down your airplane the Micro Glow goes into No radio mode. No power is provided to your engines glow plug until there are valid radio pulses this can be seen as Both Red and Green both flashing together in a Blink, Blink pattern.

### **SPECIFICATIONS:**

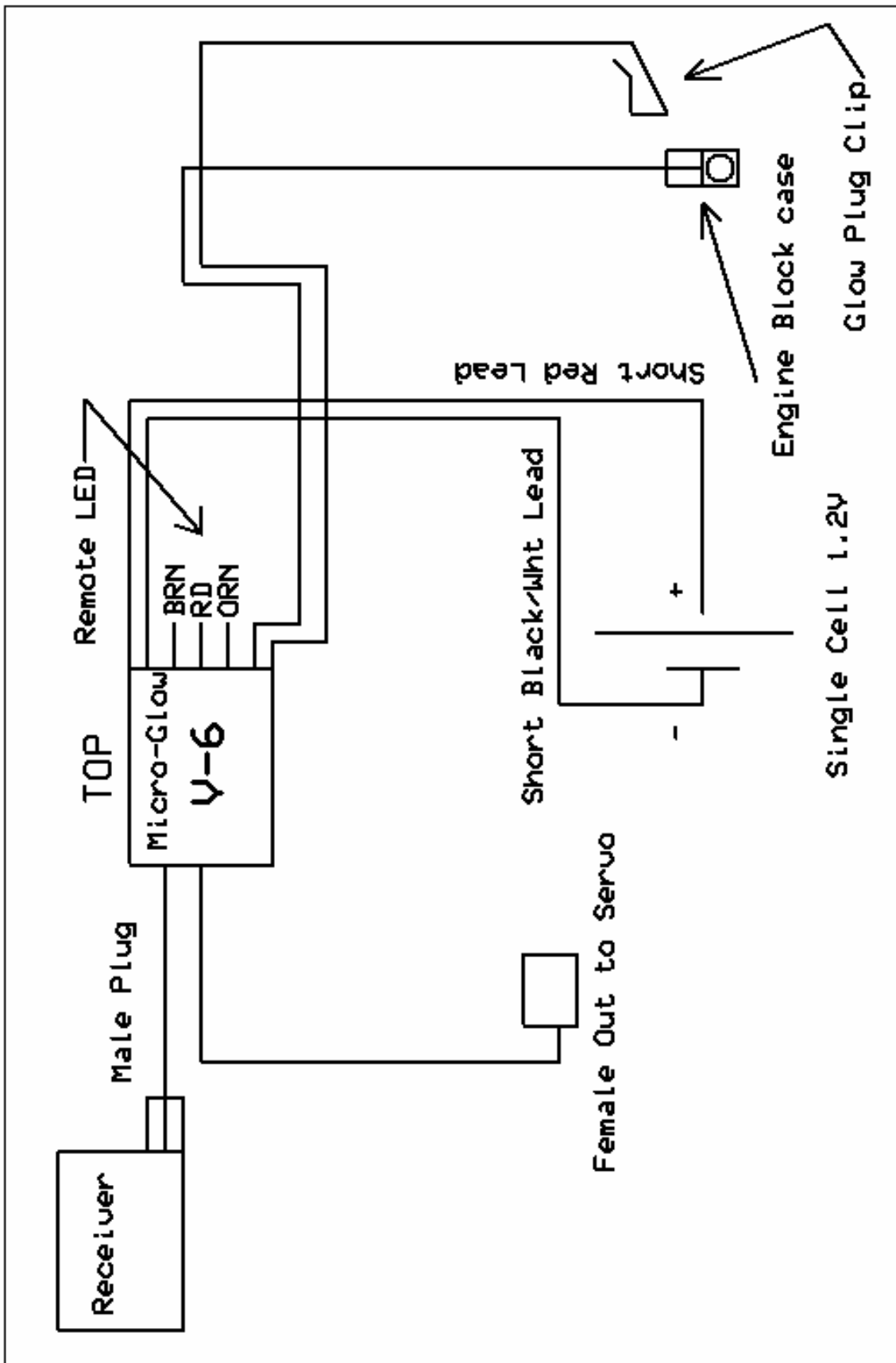
Plugs driven max Per PCB ( 5 )

Maximum to any Plugs/Plug 20 amps.

D.C Input 1.2-1.5 Volts Min rated Ni-Mh 3000ma (3800-4200 preferred.)

Support [tech@42-Percent-Products.com](mailto:tech@42-Percent-Products.com) 916-821-2635

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### WARNING!

**IF YOU HAVE A FLOODED/FUELED ENGINE SIMPLY TURNING ON YOUR GLOW CAN START YOUR ENGINE!**

*Never Touch the Prop or be IN FRONT of a prop with glow "Active"*

**NEVER TURN OR FLIP WITH YOUR-HANDS-EVER FOR ANY REASON!**

*Consider the fact that the engine can begin to run at "ANY TIME" without being touched once glow is active!*

*YOU AND YOU ALONE Are Responsible for your own safety.*

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If your Glow system includes a battery it must be charged with a charger rated to charge a single cell 1.2V and Ni-Mh type.

Charge Rate can be as little as 1.0 Amps (3.8 hours charge) or as high as 3.8 Amps(1 hour charge)

\*Triton\*Astro\* and many others are perfect for charging the included battery if RTF.

NEVER let your Ni-Mh cell go to 0 volts or dead, permanent damage will result.

After about 1 to 1.5 hours of flying check and recharge your battery.

If you did NOT buy a RTF system then you need a cell rated for R/C use of at least 3000 ma to 4200 ma. Alkaline types are never to be used! They are not rated for R/C loads and can explode/leak in your plane! So called Radio Shack or other super market rechargeable cells are also not to be used.

Again they are not rated for R/C loads and can leak or explode in your plane.

Install high current type connectors such as DEAN's / Power Poles

Never use simple bullet type wire crimps or other twist type connectors. Always use a solder type of connector and heat shrink the connections.

If you must make the Glow leads longer use only 18 Ga or larger wire and never longer than 36" or use more than 5 glows at up to 36" ea using 16ga wire Ea.

Solder and heat shrink all new connections and grounds there must be at least 1 ground Per Engine.

It is not needed to ground ea plug in multi plug engines, 1 at ea engine block mounting is fine.

If you would like a battery system you can purchase (1) from us or your dealer that includes all you need to get going [3000-3800ma cell with deans plugs and chg jack all soldered and ready to install]

42% Products USA

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**NOTE:**

*Wire colours on radio leads may be orange/red/brown or white/red/black*

*Orange = White*

*Red = Red*

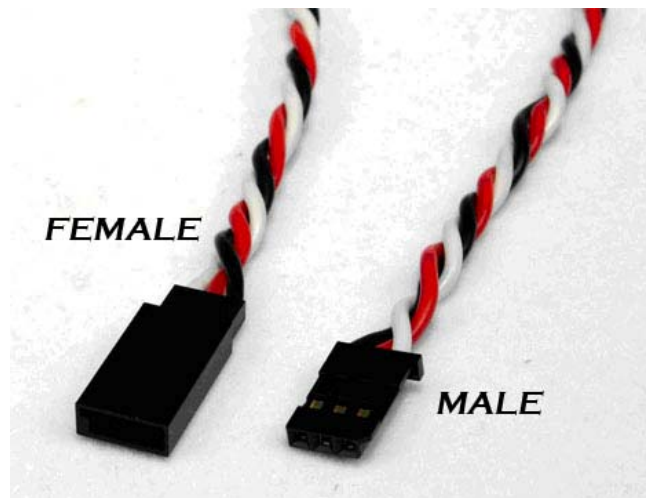
*Brown = Black*

*Please also note instructions supplied with 42% products refer to male & female radio connectors.*

*For clarity this is the 42% products definition of male/female radio connections.*

*Male = Smaller connector with sockets, no shroud. (ie same as plugs on end of servos, that plug into receiver)*

*Female = Larger connector with Pins covered by shroud that male connector fits into.*



*The Birds & the Bee's*