

BELTROL

2.4 Ghz Radio Control

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ELECTRONIC SPEED CONTROLLERS
FOR LOW COST 2.4 Ghz 5 CHANNEL RADIO CONTROL.

MODEL

Features of the **BELTROL** 2.4 Ghz Battery powered R/C system.

Uses any low cost 5 channel 2.4 Ghz R/C.

Long range. From 200' - 500' with no "glitching".

256 step linear Digital Proportional control of loco speed.

Select Direction with the Up-Down Elevator stick.

Locomotive speed matching.

Settable default direction on start up.

Constantly variable brake apply/brake release control.

MU capable. Simply add speed matched locos.

"CRUISE CONTROL" Turn OFF TX & loco continues on.

Different ESC's available to suit all installations.

Directional constant brightness lighting outputs.

Two manual sound triggers. Optional extra two more.

Plug'n'Play installation for AristoCraft® locos.

Comprehensive instructions.

1 year warranty. Great after sales service.

INSTRUCTIONS.

Thank you for purchasing this Microprocessor (uP) based R/C Electronic Speed Control (ESC) system.

In order to keep the selling price as low as possible and to save paper;

THERE ARE NO INSTRUCTIONS INCLUDED WITH THIS SYSTEM.

DETAILED INSTRUCTIONS CAN BE OBTAINED AS A DOWNLOADABLE PDF FILE FROM HERE:

http://www.beltrol-rc.com/index.php?page_id=1332

THERE YOU WILL FIND SPECIFIC INSTRUCTIONS FOR THE BRAND OF R/C YOU CHOSE TO USE.

THEN SELECT THE ESC YOU HAVE ACQUIRED FOR A SHEET SHOWING HOW TO WIRE IT.

IF YOU ARE USING SOUND, SELECT THE ESC FROM THE BRAND OF SOUND SYSTEMS SHOWN.

WE STRONGLY URGE YOU PRINT OUT WHICHEVER INSTRUCTIONS ARE APPLICABLE TO YOUR ESC.

DURING OUR SYSTEM TESTING WE HAVE CALIBRATED THE SYSTEM TO OUR TRANSMITTER.

THE SYSTEM WILL WORK AS DELIVERED. HOWEVER, AS ALL R/C SYSTEMS VARY SLIGHTLY,

YOU MUST RE-CALIBRATE THE SYSTEM TO YOUR PARTICULAR TX.

OTHERWISE YOU WILL LIKELY EXPERIENCE ERRATIC OPERATION.

THE CALIBRATION PROCESS IS QUITE SIMPLE & WILL REWARD YOU WITH FLAWLESS OPERATION.

SPECIAL NOTE REGARDING THE SPEKTRUM DX6i TX.

The **SPEKTRUM DX6i** transmitter is essentially the same as the **DX5e**. Set up of the system is also the same.

However, the TX has the channel # 5 switch configured back to front compared to the **DX5e** TX.

With the **DX6i # 0 is ON & # 1 is OFF**. It is most important that this switch is set to **OFF** unless you are programming.

WEIRD ESC BEHAVIOUR FOR NO APPARENT REASON.

SITUATION # 1. If, when the TX is first turned on and the lights blink rapidly, it is because the Ch # 5 switch is **ON** & the system has entered calibration mode. You will have no control of the loco.

SOLUTION. Turn the TX **OFF**. Select the **OFF** position for the Ch # 5 switch and then turn the TX back **ON** again.

SITUATION # 2. You have been running & for no apparent reason the lights all went out when you selected neutral & you have no control. This means the Ch # 5 switch was turned **ON** during running & has entered programming mode. **CAUTION** do not move any control sticks as you may make a program change.

SOLUTION. Before you do anything else, simply turn Ch # 5 **OFF** & the system will revert to normal operation.

CAUTION

DO NOT ATTEMPT TO ALTER THE TUNING OF THE RADIO EQUIPMENT
DO NOT USE RADIO CONTROL EQUIPMENT IN THUNDERSTORMS

CHILDREN UNDER 12: ADULT SUPERVISION RECOMMENDED DURING USE.

THE PWM OUTPUT OF THIS ESC SHOULD NOT BE USED WITH ANY DCC DECODER EQUIPPED LOCOS.