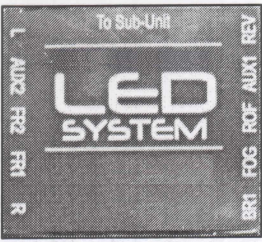
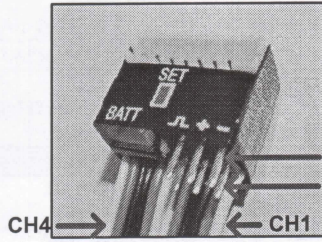


# LED Lighting System

## The kit includes

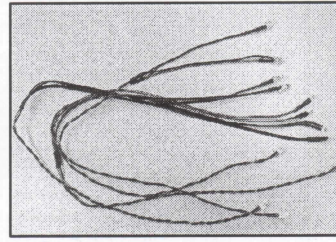


Main unit x 1  
 • Install on Car body

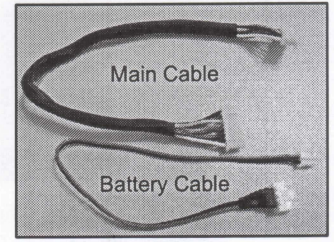


Sub unit x 1  
 • Install on Chassis

Connects Servo (ST)  
 Connects ESC (TH)

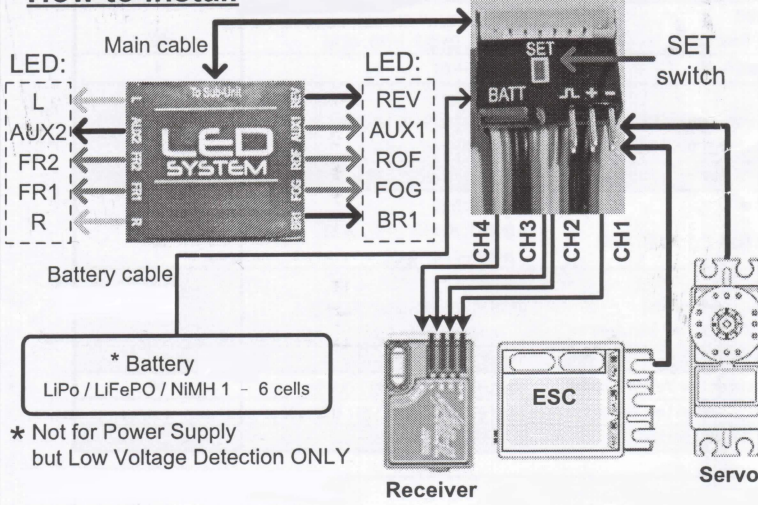


5mm LED cable x 2  
 • Front - White x 1  
 • Rear - Red x 1



Main Cable x 1  
 • Connects between Main & Sub Unit  
 Battery cable x 1  
 • Connects LiPo / LiFePo 2S battery

## How to Install



\* Battery  
 LiPo / LiFePO / NiMH 1 - 6 cells  
 \* Not for Power Supply  
 but Low Voltage Detection ONLY

## Start to use

- Connect all desired Input Channel(s) before Power ON ESC.
  - Power ON ESC, the LED System (BR1) will flash for around 10 sec (Channel(s) AUTO-CALIBRATE)
- PLEASE KEEP all the Channel(s) in NEUTRAL POSITION during this period UNTIL IT STOPS FLASHING**

Caution: Some radio control systems or ESCs MAY cause this LED system does not work normally !!

## Set-up Mode

### Default Setting

☼ = Brake (BR1) LED flashes (ON time)

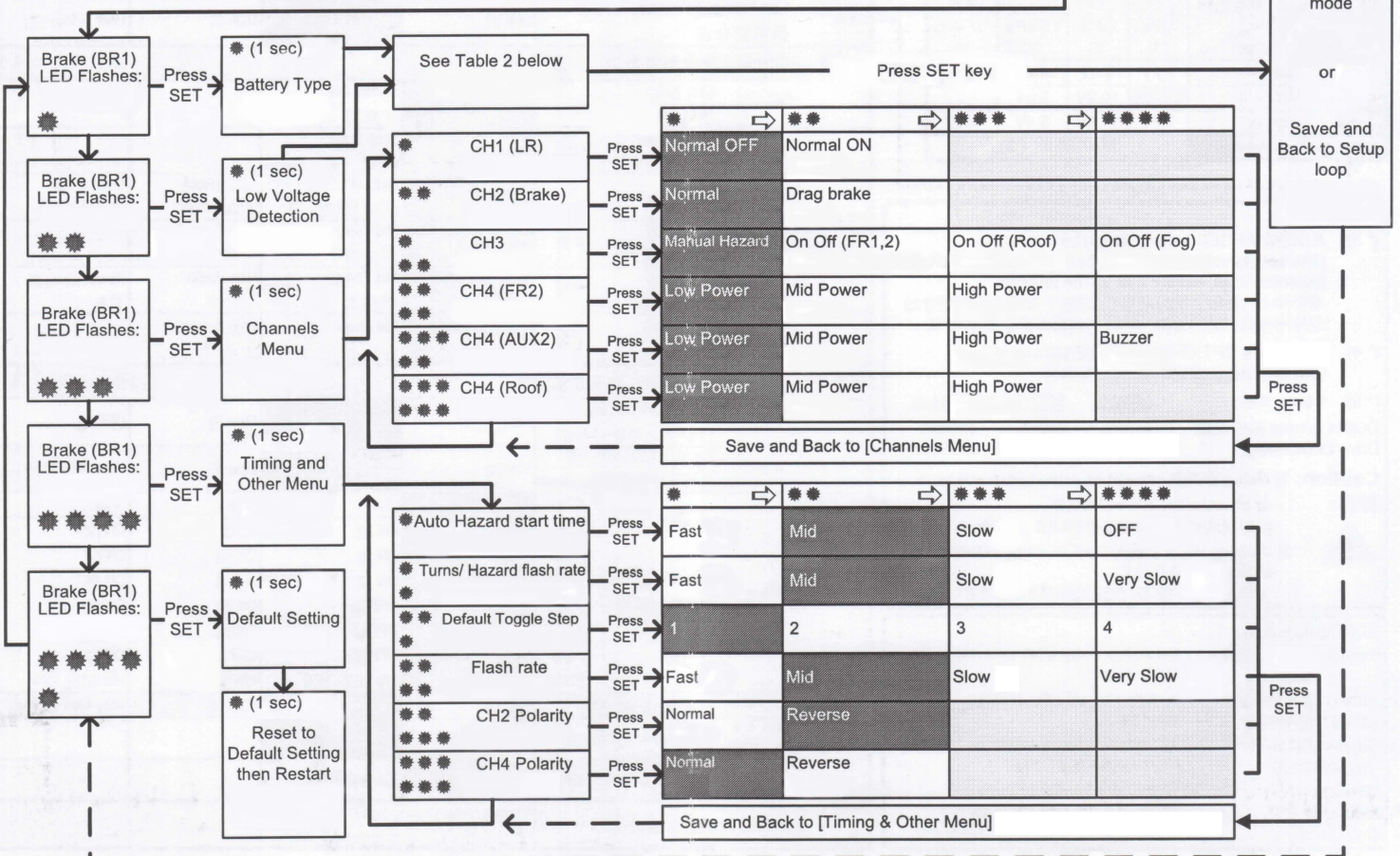


Table 1: Channel Input vs LED Functions

Channel Input		Output - LED(s)	LED Functions	Maximum no. of LED
CH1 - ST	Connect	L (Left) R (Right)	1) Turn signals enabled	4
	Don't care		2) Auto Hazard enabled when TH idle over 6 secs	4
	DISconnect		3) Manual Hazard (Control by CH3) Flash Mode: 4) Press SET switch anytime after Power ON to change total 7 flashing styles	4
CH2 - TH	Connect	BR1 (Brake1) REV (Reverse)	1) Brake LED 100% ON when braking, otherwise = Idle stage	2
	Don't care		2) Reverse signal (Control by CH2) Flash Mode: 3) Press SET switch anytime after Power ON to change total 7 flashing styles	4
	DISconnect		4) Brake and Reverse Disabled	-
CH3 (or AUX)	Connect	FR1 (Head 1) FR2 (Head 2) ROF FOG L (Left) R (Right)	1) ON/OFF Switch > FR1, FR2, Roof, Fog	20
	Don't care		2) Manual Hazard (L, R) Flash Mode: 3) Press SET switch anytime after Power ON to change total 7 flashing styles	24
	DISconnect		4) ON/OFF Switch, Manual Hazard Disabled	-
CH4 (or AUX)	Connect	FR1 (Front1) FR2 (Front2) ROF FOG AUX1 AUX2 BR1	1) Toggle function > FR1, FR2, Roof, Fog, AUX1, AUX2 Flash Mode: 2) Press SET switch anytime after Power ON to change total 7 flashing styles	30
	Don't care		3) Toggle function Disabled	-
	DISconnect			-
BATT	Connect	All	1) All LEDs blink when Low Voltage Detected 2) Buzzer (AUX2) On when Low Voltage Detected	38
	DISconnect		3) Low Voltage Detection disabled	-

Notes: (\* 1): Function(s) is/are enabled ONLY when the Channel(s) is/are connected BEFORE ESC's ON.

Default Setting

☀ Brake (BR1) LED flashes time

Table 3: Setup Manual

Table 2: Battery Type vs Low Voltage Detection (LVD)

Battery Type	LiPo 2S	LiPo 3S	LiFePo 2S	LiFePo 3S
☀ Low	6.2V	9.3V	4.2V	6.3V
☀☀ Middle	6.8V	10.2V	5.0V	7.5V
☀☀☀ High	7.6V	11.4V	5.4V	8.1V
☀☀☀☀ User define	MAX 25.2V (*3)			

Notes:  
 (\* 3): A DISCHARGED battery should be connected.  
 (The battery voltage Level will be stored as Low Voltage Detection level, battery type will be ignored)  
 (\* 4): Buzzer is a OPTION for LVD and sell separately.  
 (\* 5): Power:           LOW       MID       HIGH  
 Output current:       40mA   80mA   160mA  
 Drive LED(20mA):    2 pcs   4-5 pcs 8-10 pcs  
**Caution: 1) Using OVER current to drive LEDs will burn or shorten the life of LED !!**  
**2) If using HIGH power option, suggested a MINIMUM 3A B.E.C.**

Input Voltage:	5-6V (B.E.C. by ESC) MAX 9V
Battery type for LVD:	1 - 6S LiPo, LiFePo, NiMH ... MAX 25.2V
Support RC System:	All High Response Systems (2.4G), PCM / PPM (FM), AM
Dimension:	
Main Unit:	35mm (L), 32mm (W), 9mm (H)
Sub Unit:	18mm (L), 14.6mm (W), 15mm (H)

Set up Manual	☀	☀☀	☀☀☀	☀☀☀☀	
☀ Battery Type	LiPo 2S	LiPo 3S	LiFePo 2S	LiFePo 3S	
☀☀ Low Voltage Detection	Low	Middle	High	User define	
☀☀☀ Channels Menu					
☀ CH1 (LR)	Normal OFF	Normal ON			
☀☀ CH2 (Brake)	Normal	Drag Brake			
☀☀☀ CH3	Manual Hazard	OnOff (FR1, 2)	OnOff (Roof)	OnOff (Fog)	
☀☀☀☀ CH4 (FR2) (* 5)	Low Power	Mid Power	High Power		
☀☀☀☀ CH4 (AUX2) (* 5)	Low Power	Mid Power	High Power	Buzzer (* 4)	
☀☀☀☀ CH4 (ROF) (* 5)	Low Power	Mid Power	High Power		
☀☀☀☀☀ Timing & Other Menu					
☀ Auto Hazard start time	Fast	Middle	Slow	OFF	
☀☀ Turns / Hazard flash rate	Fast	Middle	Slow	Very Slow	
☀☀☀☀ Default Toggle step Toggle	STEP	1 >>	2 >>	3 >>	4 >>
	ROF	OFF	ON	ON	ON
	AUX1	OFF	ON	ON	ON
	AUX2	OFF	ON	ON	ON
	FR1	OFF	OFF	ON	ON
	FR2	OFF	OFF	ON	ON
	FOG	OFF	OFF	OFF	ON
BR1	Idle 0%	Idle 15%	Idle 15%	Idle 15%	
☀☀☀☀☀ Flash rate	Fast	Middle	Slow	Very Slow	
☀☀☀☀☀ CH2 Polarity	Normal	Reverse			
☀☀☀☀☀ CH4 Polarity	Normal	Reverse			
☀☀☀☀☀☀ Default Setting	Reset to Default Setting then Restart				