BOAT USE BL ESC INSTRUCTION

B40A-O BL ESC boat version 40A no/BEC(Max 50A)
B70A-O BL ESC boat version 70A no/BEC(Max 90A)
B-X100A BL ESC boat version 100A no/BEC(Max 200A)
B-X200A BL ESC boat version 200A no/BEC(Max 400A)

FEATURES:

●Simple setting, easy to operate, waterproof design specially for RC boat use
●Can work with LCD ProgBox for more parameter setting
●With special ProgBox can set 2~5 cells Li-poly, and auto-protect cut-voltage adjustable between 2.0~3.2V (accurate at 0.1V); for Ni-mh/cd between 0.4~1.0V(accurate at 0.1V). Default setting for 2 cells Li-poly
●Time mode 0~30 degree, adjustable per 1 degree *
●Three frequency for selection (8KHZ / 16KHZ / 32KHZ) to match different motor series
●Three throttle curve type for different accelerating feelings *
●Three throttle accelerating control: normal / middle / fast *
●Motor obstruction protection design, to protect the ESC from damage when cause an obstruction
●Safe start function, when connect power the motor will not work at once if the throttle not be put at lowest position
●Motor work direction adjustable, and direction change delay time also adjustable *
●Forward / Backward torque limitation function *
●Throttle travel auto-test function, and some level manual setting function *
●Temperature protection: max. 110 degree
●Automatic power cutting function: automatically cut power after 3 seconds when lose signal
●No BEC function, receiver need extra power supply

NOTE: All items with * remark need to set with special ProgBox

SETTING 1

Forward / Backward mode change:
●Turn on transmitter, and push throttle to max. position;
●Connect motor power, and turn on receiver (receiver need extra power supply)
●Connect ESC power, it will sound ‘Beep-Beep-Beep-Beep’ when the sound finish push throttle to min. position, when if sound ‘Beep’ means forward mode. To change this to backward mode just repeat previous operation, and when it sound ‘Beep-Beep’ this means backward mode.

SETTING 2

Time Mode Setting:
Default setting is time mode 1.
Time mode 1: 2~5 degree, suitable for Hacker series motor
Time mode 2: 8~10 degree, suitable for Aveox, Astro, and high rpm Hacker series motor
Time mode 3: 15~18 degree, suitable for Phasor, Mega, Plettenberg, and high rpm Aveox, Astro, Hacker series motor
Time mode 4: 30 degree, suitable for AXI, Kohler, Actro, and high rpm Phasor, Mega, Plettenberg series motor

Time Mode Change:
●Turn on transmitter, and push throttle to max. position

●Connect motor power, and turn on receiver (receiver need extra power supply)
●Wait 5 seconds, after 'Beep-Beep-Beep-Beep', wait another 5 seconds
●It will sound 'Beep,Beep,Beep,Beep,Beep', this means time mode 1
●Then it will sound 'Beep-Beep,Beep-Beep,Beep-Beep,Beep-Beep,Beep-Beep', this means time mode 2
●And then it will sound 'Beep-Beep-Beep, Beep-Beep-Beep, Beep-Beep-Beep, Beep-Beep-Beep, Beep-Beep-Beep' this means time mode 3
●And then it will sound 'Beep-Beep-Beep-Beep, Beep-Beep-Beep-Beep, Beep-Beep-Beep-Beep, Beep-Beep-Beep-Beep, Beep-Beep-Beep-Beep', this is time mode 4
●When set time mode, throttle should be put at max. position, and from the first time single 'Beep', just push throttle to the min. position as per the sound for needed time mode. And after 1~2 seconds it will sound 'Beep', this means only forward function, and backward close; and if it sound 'Beep,Beep' this means backward function is active.
●When connect power and wait about 5 seconds no moving throttle stick, the ESC will auto-test the current mode, and if it sound 'Beep,Beep,Beep,Beep,Beep'which means it working at time mode 1; if it sound 'Beep-Beep,Beep-Beep,Beep-Beep,Beep-Beep,Beep-Beep'which means at time mode 2; …
●When finish time mode setting and test, if the current mode is not what you want, just cut off connection and redo the setting.

NOTE: To set backward function, just need to push throttle from max. position to middle position.

SETTING 3

Default frequency mode: mode 1 (8Khz)
●Frequency mode 1: 8kHz, normal frequency, lowest efficiency loss, suggest to use for Hacker BL motor
●Frequency mode 2: 16kHz, suitable for Aveox, Astro, Plettenburg, Phaser, Mega motor series
●Frequency mode 3: 32kHz, suitable for AXI, Kohler, Actro, Tango, Samba motor series

Frequency Mode Change:
●Turn on transmitter, and push throttle to max. position
●Connect motor power, and turn receiver power (receiver need extra power supply)
●Wait 5 seconds, if it sound 'Beep' which means only forward function; if it sound 'Beep,Beep' which means forward / backward function (backward function active)
●Wait another 5 seconds, it will sound 'Beep' to confirm time mode, same as previous step, from time mode 1 to mode 4.
●And then it will sound 'Don,Don,Don,Don,Don', this means frequency mode 1
●And then it sound 'Don-Beep,Don-Beep,Don-Beep,Don-Beep,Don-Beep', this means frequency mode 2
●And then it will sound 'Beep-Beep,Beep-Beep,Beep-Beep,Beep-Beep', this means frequency mode 3
●During frequency mode setting, the throttle should be put at max. position, from the 5th continuous Beep to the 7th continuous Beep, to push throttle from max. position to the min. position for the wanted mode, and then if it will sound 'Beep' which means only forward (backward close); if it sound 'Beep-Beep', this means backward active. This is for final confirmation.