



MS-Radon V2BT Item Description Details:

Items:	Factory Default Setup:	Range:	Descriptions:
General Menu:			
Motor Rotation	CCW	CW/CCW	It determines the motor running direction (Clockwise or Anti-Clockwise)
Motor Pole	2	2/4P	To set the motor 2 pole/ 4 pole motor option
Running Mode	Forward/Brake	Fwd/BK, Fwd/Bk/RVS/ Fwd/RVS	Includes "Forward/Brake" "Forward/Reverse" and "Forward/Brake/Reverse" mode
Rev. Delay	0.3s	0.1~0.35s, step 0.05	It determines the delay time to execute the reverse function when throttle is returned to neutral position in "Forward/Brake/Reverse" mode
Throttle Freq.	8KHz	1~8k, 12,16,24,32k	High frequency value has smooth throttle feeling. Low value has aggressive throttle feeling
Low Voltage Cutoff	Auto(7.2V)	3~11v, step 0.1	Limit the power output when the min voltage has been achieved to protect the battery
Thermal Cutoff	130deg	off, 95, 105, 130deg	Limit the power output when the thermal cutoff temperature has been achieved to avoid burning the ESC
BEC Output	6V	6/7.4V	To select 6V or 7.4V BEC output voltage
Throttle Menu:			
Throttle Response	0.1ms	0.1~3ms, step 0.1	Lower time value has more quick throttle response to the motor
Throttle Compress Rate	1%	1~50%, step 1	To control the overall throttle feeling. High value has aggressive throttle power to the motor that are suited for high traction track. For low traction track, it should set to lower value
Throttle Off Rate	0(off)	1~30%, step 1	To control the overall release throttle feeling. High value will let the motor down the speed slowly when the throttle is returned
Dead Band	3%	3~12%, step 1	To control the sensitivity of the forward/brake throttle at neutral position. If the dead band value is lower, it will be more sensitive to power up or brake the motor when the throttle start to move from neutral position
IP Limiter	3%	2~16%, step 1	To control the initial power to the motor. Higher value has more initial power that are suited for high traction track. For low traction track, it should set to lower value
Limit Power	0(disable)	0~30%, step 1	To set how much power to limit in the pre-defined throttle range
Limit Power Range	60	1~70%, step 1	To set the throttle range to limit the power
Max. Forward Force	100	25~100%, step 1	To control the max forward power to the motor. Higher value has higher overall forward power delivery the motor
Max. Reverse Force	100	25~100%, step 1	To control the max reverse power to the motor. Higher value has higher overall reverse power delivery the motor
Brake Menu:			
Brake Response	0.1ms	0.1~3ms, step 0.1	Lower time value has quicker brake response to the motor
Brake Rate	1%	1~20%, step 1	To control the overall brake feeling. High value has aggressive brake feeling that are suited for high traction track. For low traction track, it should set to lower value

Initial Brake Force	0	0~50%, step 1	To control the instant brake force to the motor when the brake is triggered. Higher value has more initial brake force to the motor
Max. Brake Force	90%	10~100%, step 1	To control the motor maximum brake force. Higher value has higher overall brake force to the motor
FWD Drag Brake Force	10%	0~100%, step 1	The auto brake force to the motor when the throttle is returned to neutral position. For higher value will have more automatic brake force to the motor
FWD Drag Brake Response	1ms	0.1~3ms, step 0.1	Lower time value has quicker drag brake response to the motor when the throttle is returned to neutral position
REV. Drag Brake Force	100%	0~100%, step 1	The auto brake force to the motor when the brake is returned to neutral position. For higher value will have more automatic brake force to the motor
REV. Drag Brake Response	1ms	0.1~3ms, step 0.1	Lower time value has quicker drag brake response to the motor when the brake is returned to neutral position
Brake Freq.	4kHz	0.1~0.9k, 1~8k, 12k, 16k	High frequency value has smooth brake feeling. Low value has aggressive brake feeling
Boost Menu:			
Boost Timing	0	0~64deg, step 1	It is the boost timing to the motor when the boost trigger position is achieved. For higher value, it can increase more power to the motor. The max boost timing+ turbo timing is 64 degree
Boost Activation	Throttle	throttle/rpm	To choose "Throttle" or "RPM" to trigger the boost timing
Boost Trigger Pos.	60%	10~90%, step 1	To set which throttle position to trigger the boost timing when "Throttle" is selected as boost activation
Boost RPM Threshold	18kr/min	8~50kr/min, step 0.5	To set which RPM to trigger the boost timing when "RPM" is selected as boost activation
Initial Angle	1	1~64deg, step 1	To open all initial boost timing when the boost timing is triggered
Boost On Rate	35deg/0.1s	1deg/0.1s~64deg/0.1s, step 1	To set how fast to open up all boost timing. Higher value has more advance to open up all boost timing
Boost Off Rate	1deg/0.1s-->64deg/0.1s	1deg/0.1s~64deg/0.1s, step 1	To control how fast to pull down the motor rpm when the throttle is returned. Higher value will let the motor rpm pull down more quickly
Turbo Menu:			
Turbo Timing	0	0~64deg, step 1	It is the turbo timing to the motor. For higher value, it will increase more power to the motor The max boost timing+ turbo timing is 64 degree
Turbo On Rate	35deg/0.1s	1deg/0.1s~64deg/0.1s, step 1	To control how fast to open all turbo timing up. Having higher value will be more advance to open all turbo timing up
Turbo Off Rate	64deg/0.1s	1deg/0.1s~64deg/0.1s, step 1	To control how fast to pull down the motor rpm when the throttle is returned. Higher value will let the motor rpm pull down more quickly
Turbo Delay	0.1s	0(instant), 0.01~0.5s(step 0.01), 0.6~1s(step 0.1)	It is the delay time to start up the turbo timing after the activation condition is achieved. Higher value will have more delay to start up the turbo timing function
Race Mode	Modify	Modify=off, Stock= on	It will click in the booster and turbo more advanced for stock mode. Suggest to use "Modify" when run the motor (4.5T~9.5T), To choose "Stock" when run with Stock motor (10.5T or over)