35 Amp Controller and Display Suggested Settings

To access the settings screen, on the key pad, press the power button and within 5 seconds press & hold the up and down arrow buttons simultaneously.

View the manual here: https://biggamebikes.com/product/rad-power-bikes-35-amp-controller-upgrade-and-display/

Setting	Purpose	Suggested Setting	Notes
LIM	Max speed	*as per your preference	This setting is KPH. For example – 25 = 25 kph (15.5mph)
DIM	Tire diameter	*as per your bicycle	Check you bicycle tire for your wheel size.
UNT	Units of measurement (0-3)	*as per your preference	0 - kph/Celsius 1 - mph/Celsius 2 - kph/Fahrenheit 3 - mph/Fahrenheit
P1	Motor characteristic parameter	*as per your bicycle	Most Geared Hub Motors - 100 Most Direct Drive Motors - 46
P2	Motor pulse magnet setting (wheel speed sensor) (0-6)	5	Number of magnet pulses generated per revolution of the wheel. For most motors use 5. If speed reading wrong, try different settings.
P3	Relationship between pedal assist and power (0-1)	*as per your preference	0 - Throttle limited by PAS level. 1 - Full throttle whenever you want it.
P4	Pre-condition for throttle use (0-1)	*as per your preference	0 - Throttle works whenever you use it. 1 - Throttle works only if you are pedaling.
P5	Power monitoring mode. (0-40)	15	DO NOT CHANGE
C1	Pedal assist sensitivity setting (0-7)	*as per your preference	Determines how sensitive the pedal assist is
C2	Motor phases.	0	DO NOT CHANGE
C3	Default level of pedal assist when bike is switched on (1-5 & 8)	8	DO NOT CHANGE
C4	Throttle control (0-5)	*as per your preference	0 - Throttle always works & has full power 1 - Throttle works up to 6 km/h without pedaling, full power if you pedal.
C5	Maximum controller output (0-10)	5	0 - slow start up to max current 1 - slow start up to max current 2 - 50% of max current 4 - 67% of max current 5 - 75% of max current 6 - 80% of max current 7 - 83% of max current 8 - 87% of max current 9 - 91% of max current 10 - 100% max current *max current = 1,680 watts **tuning this setting in combination with C14 is the best way to tune power/range. It applies to all pedal assist settings.
C6	Backlight adjustment (1-5)	*as per your preference	1 is least bright, 5 is most bright.
C7	Cruise function (0-1)	0	DO NOT CHANGE
C8	Motor temperature monitoring (0-1)	0	DO NOT CHANGE
C9	Password (0-1)	0	DO NOT CHANGE
C10	Reset to default	N	DO NOT CHANGE
C11	Communication protocol setting	0	DO NOT CHANGE
C12	Minimum voltage cutoff point	4	DO NOT CHANGE
C13	Regenerative breaking (0-5)	0	DO NOT CHANGE
C14	Power assist tuning (1-3)	2	1 - less power assist 2 - regular power assist 3 - more power assist
L1	Advanced feature	DO NOT CHANGE	DO NOT CHANGE
L2	Advanced feature	DO NOT CHANGE	DO NOT CHANGE
L3	Advanced feature	DO NOT CHANGE	DO NOT CHANGE
L4	Advanced feature	DO NOT CHANGE	DO NOT CHANGE

WARNING

These are suggested settings **ONLY**. You are entirely responsible for the ANY settings used. Failure to read the manual & to use appropriate settings will void your warranty and could damage your bicycle components for which Big Game Bikes accepts no responsibility or liability whatsoever!