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## FAQ on KT Controller

1. Does your controller fit my motor?  
Our controller fit for all brushless hub motor with hall sensor (if you need controller for non hall sensor motor or dual mode, please contact us)
2. Can I use your controller without display?  
Yes, just need to plug display jumper connector (SM-5Y Female connector)
3. After I connect all, there is no power out.
  - (1). Please check whether Power Input has same Positive and Negative poles as battery
  - (2). Please check whether you connect "Electric Lock" plug or jumper connector (if your throttle has no electric lock)
4. After I connect with my motor, there is noise and motor not turn.  
Wrong hall sensor or phase connection or bad signal will cause this problem
  - (1). Please check whether hall sensor plug and 3-phase connectors and pins are connected well and in correct order, and then if still have problem, please try to exchange 3-phase cables in different combine.
  - (2). Please check hall sensor, maybe bad signal or burned
5. I can't use my throttle  
Please check whether you connect correct plug, it is Black SM-3Y Female plug (red/black/blue), and also check whether your throttle signal wire connect correctly with blue color wire.
6. I can't use my PAS  
Please check whether you connect correct plug, it is Black SM-3A Male plug (brown/black/yellow), and also check whether your PAS signal wire connect correctly with yellow color wire.
7. Why my controller is very hot or 3-phase cable melt?  
Normally bad cooling condition or bad connection will cause over heat problem
  - (1). Please check whether controller in bad heat sinking place and over heat
  - (2). Please check whether the 3-phase connection between motor and controller contact well (whether bullet plugs or O ring screws are very tight connected and contact very well)
8. Shall I connect external speed sensor?  
If motor already has internal speed sensor or has simulated calculation, then no need to connect it.
9. How can I use only throttle and without PAS?
  - (1). Don't connect PAS with controller, then no PAS
  - (2). If already connect PAS with controller, you can only use LCD display setting: P4=0, C4=3 and then PAS at 0 level will switch off PAS and only use throttle
10. How can I control cruise function?
  - (1). If not connect cruise jumper plug: you can switch on/off in LCD setting: C7 (0-off, 1- on)
  - (2). If connect cruise jumper plug: keep one constant speed about 8 seconds, will active cruise function, any status change will stop cruise function

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11. How to use Regenerative Function:

- (1) Regenerative function can only be switched on through our LCD Display Setting (C13=1,2,3, recommend value is 1)
- (2) Regenerative function can only be activated once there is braking signal to controller, so it means only when braking, it has apparent effects and save power (mostly is useful during down slopes), if you ride mostly on flat road and seldom braking, it has less effect (except you can install a brake switch to imitate brake but without mechanic braking)

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