

RISUN MOTOR UKC-1 Sine Wave Controller Connection Instruction Manual

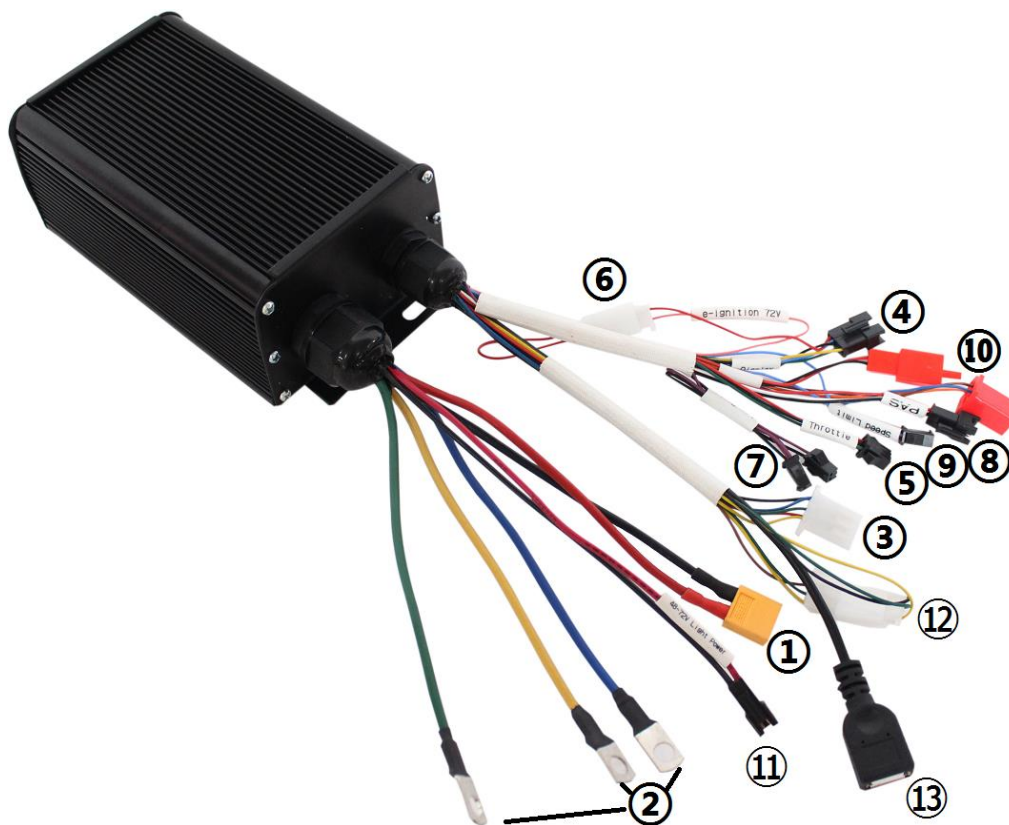
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Sine Wave Controller Connection Manual



1. Power Supply: XT60 Male Plug (Yellow)

Controller Side XT60 Male Plug (Yellow) Red: Positive Black: Negative	Battery Side Red: Positive Black: Negative
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2. Motor Cable 3-Phase Connection: "O" Ring Connection on Controller 3-Phase

Controller Side Yellow: A Phase Blue: C Phase Green: B Phase	Motor Side Yellow: A Phase Blue: C Phase Green: B Phase
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3. Motor Cable Hall Sensor Connection: White DJ7061Y-2.8-21 Female Plug

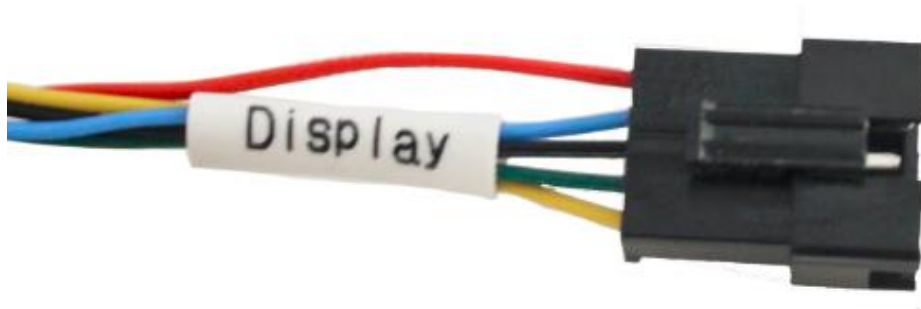
Controller Side	Motor Side
DJ7061Y-2.8-21 Female (White)	DJ7061A-2.8-11 Male
Red	Red
White	If your motor has internal speed detector hall sensor, plug this, otherwise just keep it empty.
Black	Black
Yellow	Yellow
Green	Green
Blue	Blue



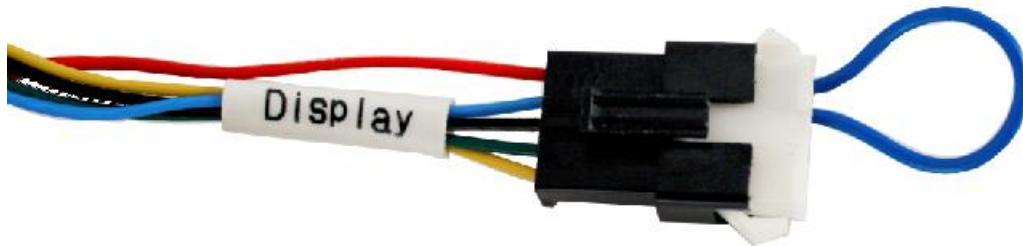
If you want motor rotate as reverse direction with original speed, then just need to change setting via computer or mobile phone: "Parameter Setting–MOTOR–Motor Rotate Direction", change value as 0 or 1

4. LCD Control Panel Connection: Black SM-5A Male plug

Controller Side	LCD Side
SM-5A Male (Black)	SM-5A Female
Red	Red
Blue	Blue
Black	Black
Green	Green
Yellow	Yellow



If you don't want to use LCD, please just plug the jumper connector as follow photo (connect red and blue):



5. Throttle Connection: Black SM-3Y Female Plug

Controller Side	Throttle Side
SM-3Y Female (Black)	SM-3Y Male
Red	Red
Black	Black
Green(Signal)	White or other color(signal)



6. Electric Lock: White 2.8B-2 Female plug

Controller Side
 DJ7021Y-2.8-21 Female (White)
 Red
 Pink



If you use your own throttle and without electric lock, then please just loop as follow photo:



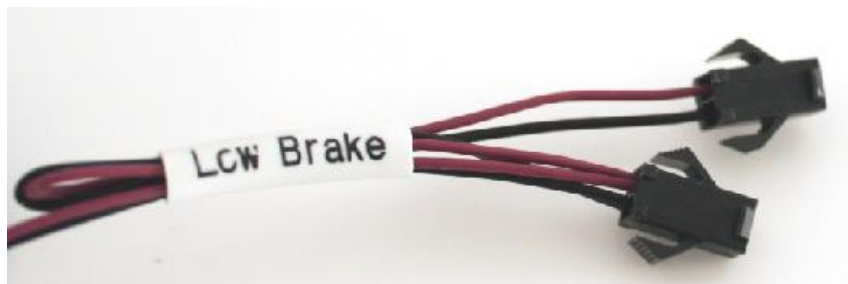
7. Brake Levers Connection: 2 x Black SM-2Y Female plugs

Controller Side

2x SM-2Y Female (Black)

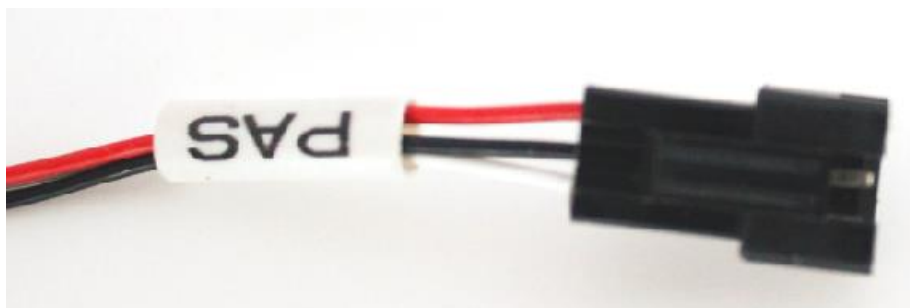
Black

Brown



8. PAS Connection: Black SM-3A Male plug

Controller Side	PAS Side
SM-3A Male (Black)	SM-3A Female
Red	Brown
Black	Black
White (Signal)	Yellow(Signal)



9. Speed Limit Connection: Black SM-2Y Female plug

Controller Side

SM-2Y Female (Black)

Blue

Blue

If you want to active definite value speed limit at any time, please set speed limit value via computer or mobile phone (set percentage of full speed), and then install a switch on handlebar, you can active or cancel speed limit through this switch.



10. Alarm Connection: Red DJ7021A-2.8-11 Male, Red DJ7021Y-2.8-21 Female Plugs

Controller Side

DJ7021A-2.8-11 Male (Red)

Red (Power input Positive)

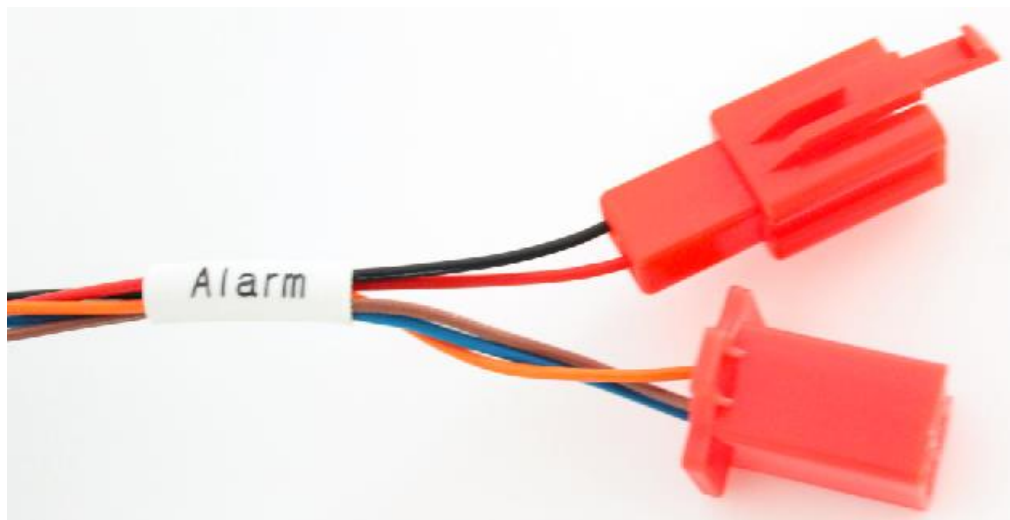
Black (Power input Negative)

DJ7021Y-2.8-21 Female (Red)

Yellow

Brown

Blue



11. Head Light Connection: Black SM-2A Male (Black) plug

<p>Controller Side</p> <p>SM-2A Male</p> <p>Red</p> <p>Black</p>	<p>SM-2Y Female</p> <p>Your switch/head light positive wire</p> <p>Your head light negative wire</p>
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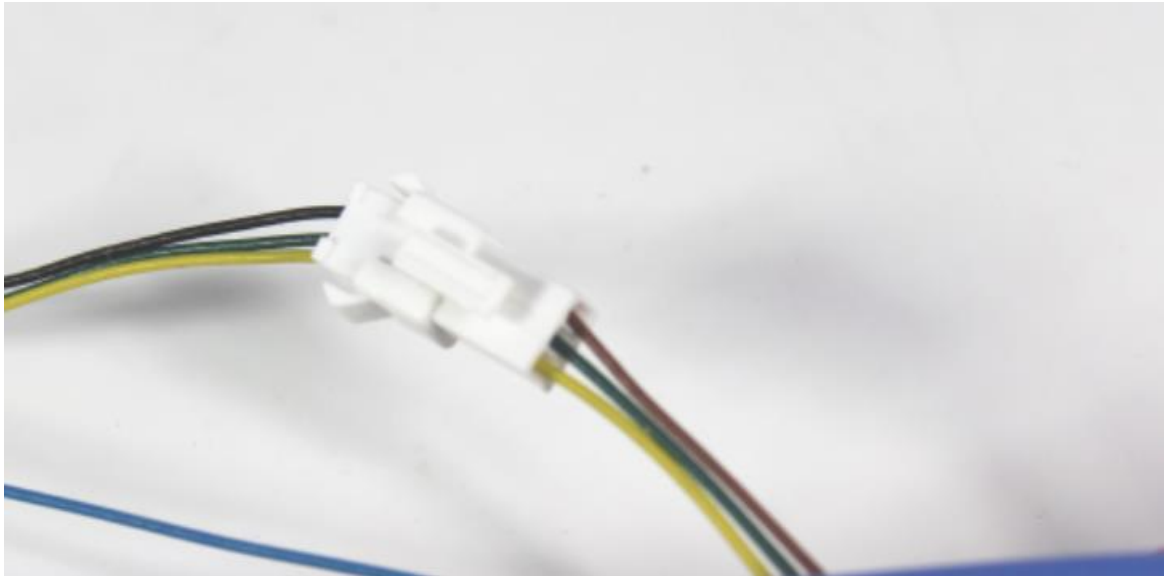
12. Bluetooth Connection:

DJ7031A-2.8-11 Male (White) + DJ7031Y-2.8-21 Female (White)

Controller Side DJ7031A-2.8-11 Male (White) Yellow Green Brown	DJ7031Y-2.8-21 Female (White) Yellow Green Black
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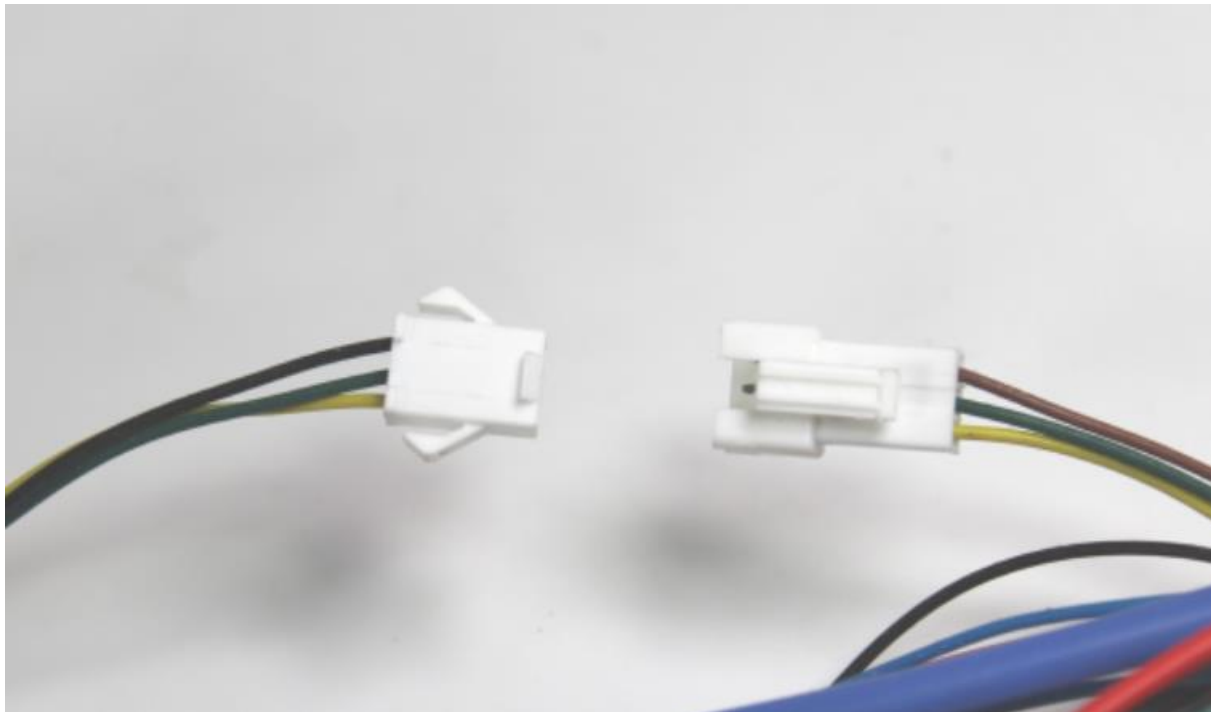
1. Connected:

If you use colorful display, please connect both plugs (please check below photo).



2. Disconnected:

If you use Bluetooth module and not use colorful display, please disconnect both plugs (please check below photo).



13. USB Data Cable Connection:




1. Connect with computer via USB Adapter Cable



2. Connect with mobile phone via Bluetooth module



Documents / Resources

	<p>RISUN MOTOR UKC-1 Sine Wave Controller Connection [pdf] Instruction Manual UKC-1, Sine Wave Controller Connection</p>
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