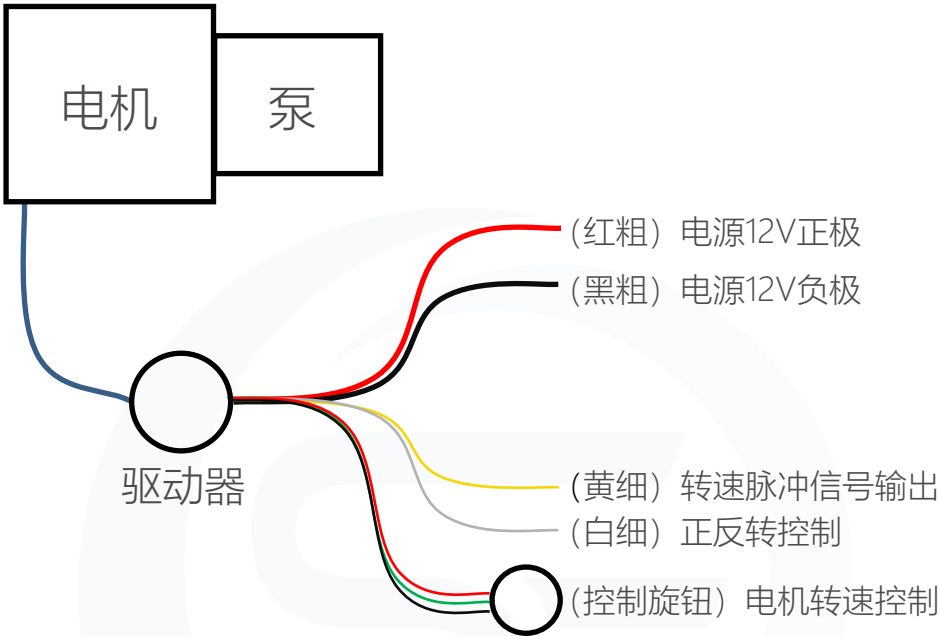


LG64-42 12V-40W外置驱动直流无刷电机说明（旋钮调速）



(该电机为直流无刷电机，输入电压12V，额定功率40W，外置驱动器)

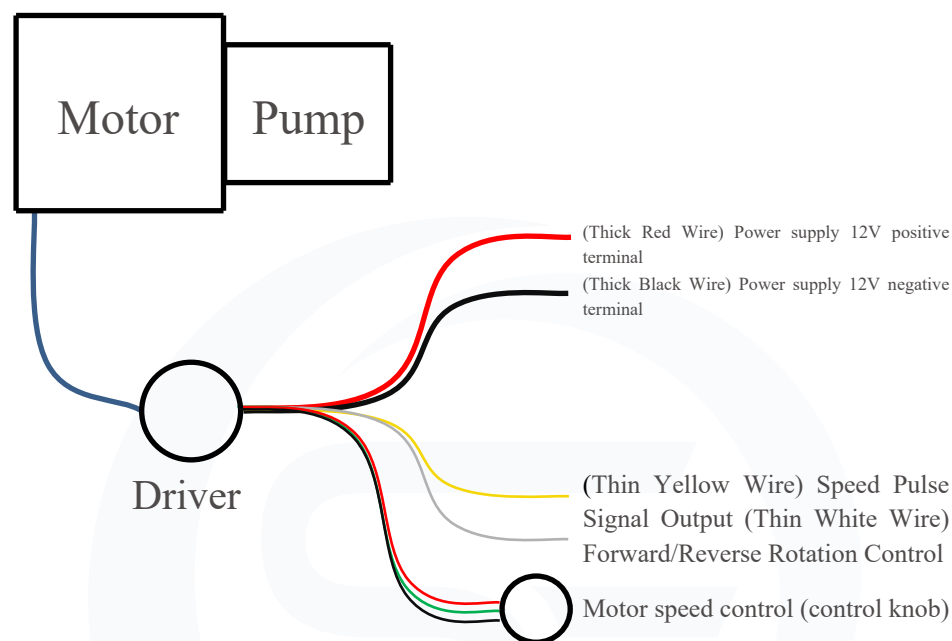
接线

- 红色粗线：电源12V正极输入
- 黑色粗线：COM公共端
(电源12V负极；
0-5V或PWM信号的负极；
转速脉冲信号的负极；
正反转控制线的负极)
- 黄色细线：转速脉冲信号输出（每转2个脉冲）
- 白色细线：正反转控制线，与黑色线连接时泵反转
- 调速旋钮：电机转速控制（无旋向要求时，出厂默认逆时针增速，顺时针减速）

注意

- 黄色细线为转速脉冲信号输出，不可以接任何输入，否则会导致转速反馈功能故障；
- 驱动器带有过流保护功能、过温保护功能，触发保护时电机将停机，排除故障后需断电重启以解除保护。

LG64-42 12V-40W external drive DC brushless motor Instructions (Knob Speed Regulation)



(The Motor is a DC brushless motor, Input Voltage 12V, Rated Power 40W, external Driver)

Wiring:

- Thick Red Wire: 12V positive power input
- Thick Black Wire: COM common terminal (power 12 V negative;
The negative terminal of a 0-5V or PWM signal;
The negative pole of the rotational speed pulse signal;
Forward/Reverse Control Wire's negative pole)
- Thin Yellow Wire: Speed Pulse Signal Output (2 pulses per revolution)
- Thin White Wire: Forward/Reverse Control Wire, when connected to the black wire, the pump Reverse Rotation
- Speed Regulation Knob: Motor speed control (when no direction is required, Factory default increases counterclockwise and decreases clockwise)

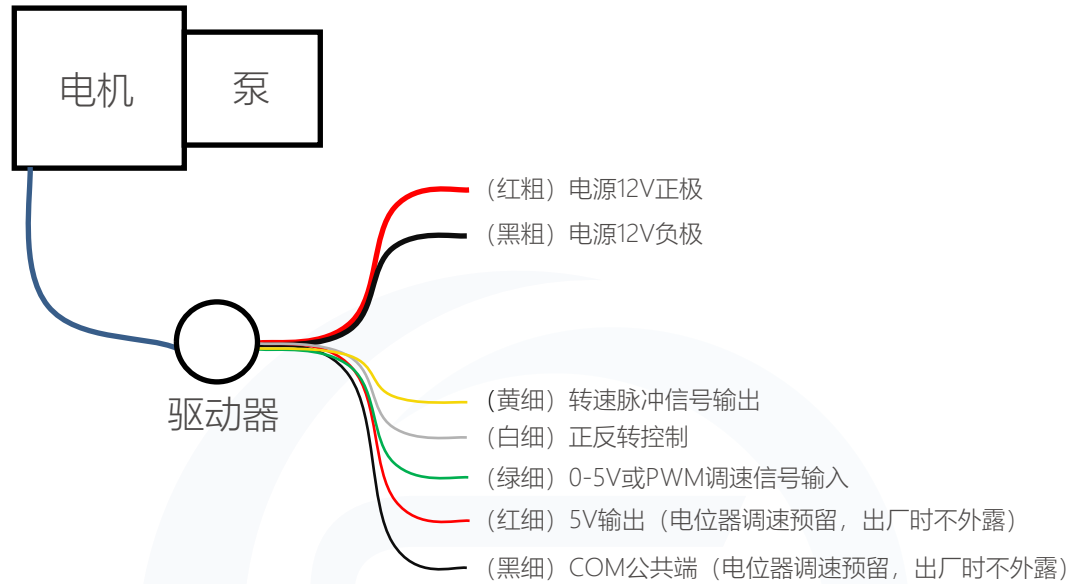


Notes:

- Thin Yellow Wire is Speed Pulse Signal Output and cannot be connected to any input, otherwise it will cause Function malfunction of speed feedback; Driver has Over-current Protection function and Over-temperature Protection function. When Protection is triggered, Motor will stop. After Fault is resolved, Power must be cycled OFF and ON to release the protection.

R&D & Sales Center: Room 602,18 Feet Building, No.597 Lanciao Road, Putuo District, Shanghai, China

LG64-42 12V-40W外置驱动直流无刷电机说明



(该电机为直流无刷电机, 输入电压12V, 额定功率40W, 外置驱动器)

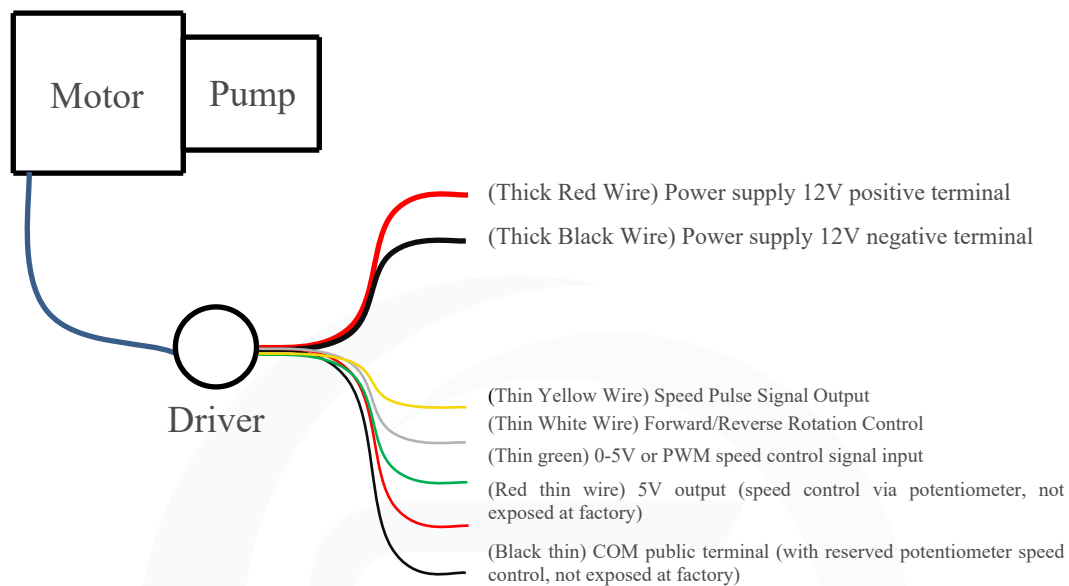
接线

- 红色粗线: 电源12V正极输入
- 黑色粗线: COM公共端
(电源12V负极;
0-5V或PWM信号的负极;
转速脉冲信号的负极;
正反转控制线的负极)
- 黄色细线: 转速脉冲信号输出 (每转2个脉冲)
- 绿色细线: 0-5V或PWM转速调节信号输入
- 白色细线: 正反转控制线, 与黑色线连接时泵反转
- 红色细线: 5V输出 (电位器调速预留, 悬空不接)
- 黑色细线: COM公共端 (同黑色粗线, 电位器调速预留, 悬空不接)

注意

- 绿色细线为转速调节信号输入, 输入电压不得高于5V, 否则会导致驱动器故障;
- 黄色细线为转速脉冲信号输出, 不可以接任何输入, 否则会导致转速反馈功能故障;
- 当不是用电位器调速时, 请将红色细线与黑色细线做好绝缘隔离, 以免误接导致故障;
- 驱动器带有过流保护功能、过温保护功能, 触发保护时电机将停机, 排除故障后需断电重启以解除保护。

LG64-42 12V-40W External Drive DC Brushless Motor Instructions



(The Motor is a DC brushless motor, Input Voltage 12V, Rated Power 40W, external Driver)



Wiring:

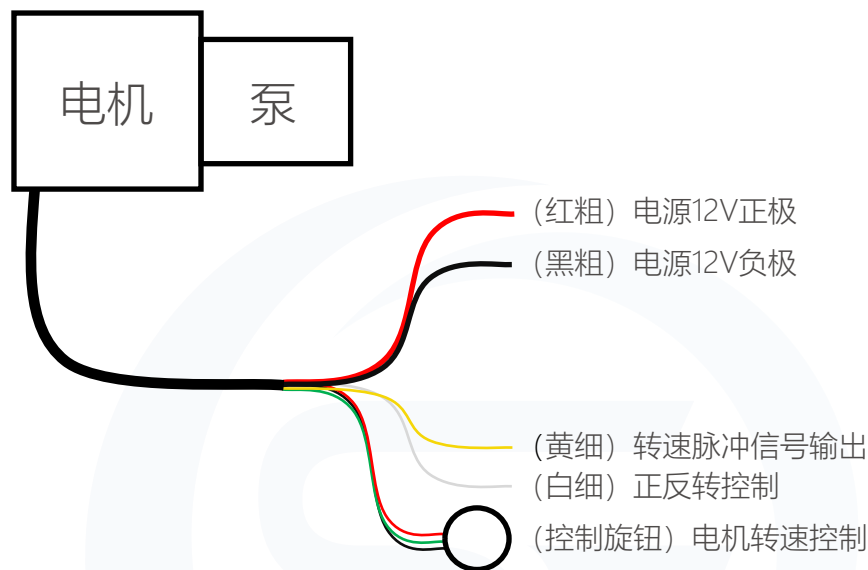
- Thick Red Wire: 12V positive power input
- Thick Black Wire: COM common terminal (power 12V negative;
The negative terminal of a 0-5V or PWM signal;
The negative pole of the rotational speed pulse signal;
Forward/Reverse Control Wire's negative pole)
- Thin Yellow Wire: Speed Pulse Signal Output (2 pulses per revolution)
- Green fine line: 0-5V or PWM speed control signal input
- Thin White Wire: Forward/Reverse Control Wire, when connected to the black wire, the pump Reverse Rotation
- Red fine line: 5V output (reserved for potentiometer speed adjustment, Left open / Open circuit not connected)
- Black fine wire: COM common terminal (same as Thick Black Wire, reserved for potentiometer speed adjustment, Left open / Open circuit not connected)



Notes:

- The green fine line is the speed regulation signal input, and the Input Voltage must not exceed 5V, otherwise it will cause Driver failure.
- Thin Yellow Wire is Speed Pulse Signal Output, which cannot be connected to any input, otherwise it will cause Function malfunction of speed feedback;
- When not using a potentiometer for speed adjustment, ensure the red and black wires are properly insulated to prevent accidental connections that could cause malfunctions.
- Driver has Over-current Protection and Over-temperature Protection functions. When Protection is triggered, the Motor will stop. After Fault is resolved, Power must be cycled OFF and ON to release the protection.

LG6442 12V-40W无刷直流电机说明（旋钮调速）



(该电机为直流无刷电机，输入电压12V，额定功率40W，内置驱动器)

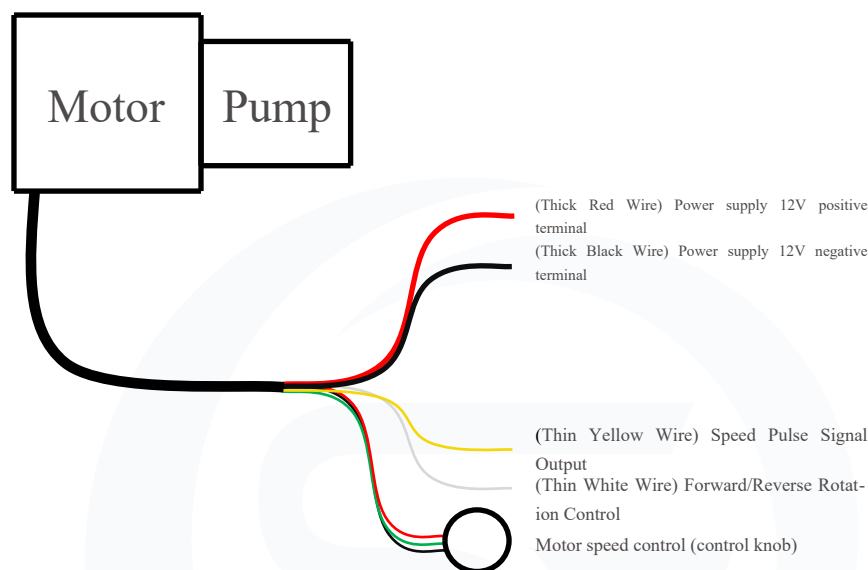
接线

- 红色粗线：电源12V正极输入
- 黑色粗线：COM公共端
(电源12V负极；
转速脉冲信号的负极；
正反转控制线的负极)
- 黄色细线：转速脉冲信号输出（每转2个脉冲）
- 白色细线：正反转控制线，与黑色线连接时泵反转
- 调速旋钮：电机转速控制（无旋向要求时，出厂默认逆时针增速，顺时针减速）

注意

- 黄色细线为转速脉冲信号输出，不可以接任何输入，否则会导致转速反馈功能故障；
- 驱动器带有过流保护功能、过温保护功能，触发保护时电机将停机，排除故障后需断电重启以解除保护。

LG6442 12V-40W Brushless DC Motor (BLDC Motor) Instructions (Knob Speed Regulation)



(The Motor is a DC brushless motor, Input Voltage 12V, Rated Power 40W, Built-in driver)



Wiring:

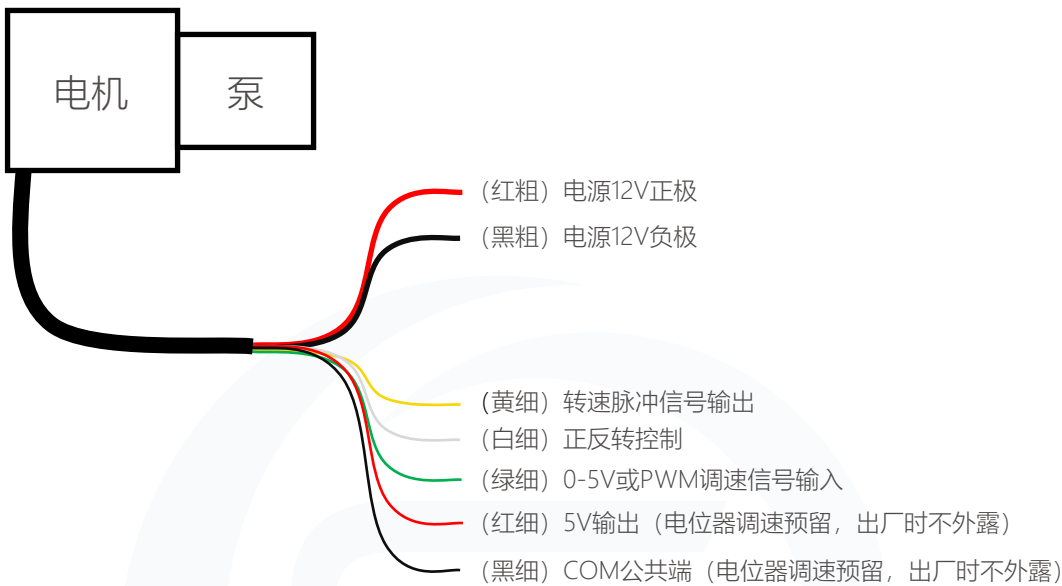
- Thick Red Wire: 12V positive power input
- Thick Black Wire: COM common terminal (power 12V negative;
The negative pole of the rotational speed pulse signal;
Forward/Reverse Control Wire's negative pole)
- Thin Yellow Wire: Speed Pulse Signal Output (2 pulses per revolution)
- Thin White Wire: Forward/Reverse Control Wire, when connected to the black wire, the pump Reverse Rotation
- Speed Regulation Knob: Motor speed control (when no direction is required, Factory default increases counterclockwise and decreases clockwise)



Notes:

- Thin Yellow Wire is Speed Pulse Signal Output, which cannot be connected to any input, otherwise it will cause Function malfunction of speed feedback;
- Driver has Over-current Protection and Over-temperature Protection functions. When Protection is triggered, the Motor will stop. After Fault is resolved, Power must be cycled OFF and ON to release the protection.

LG64-42 12V-40W直流无刷电机说明



(该电机为直流无刷电机, 输入电压12V, 额定功率40W, 内置驱动器)

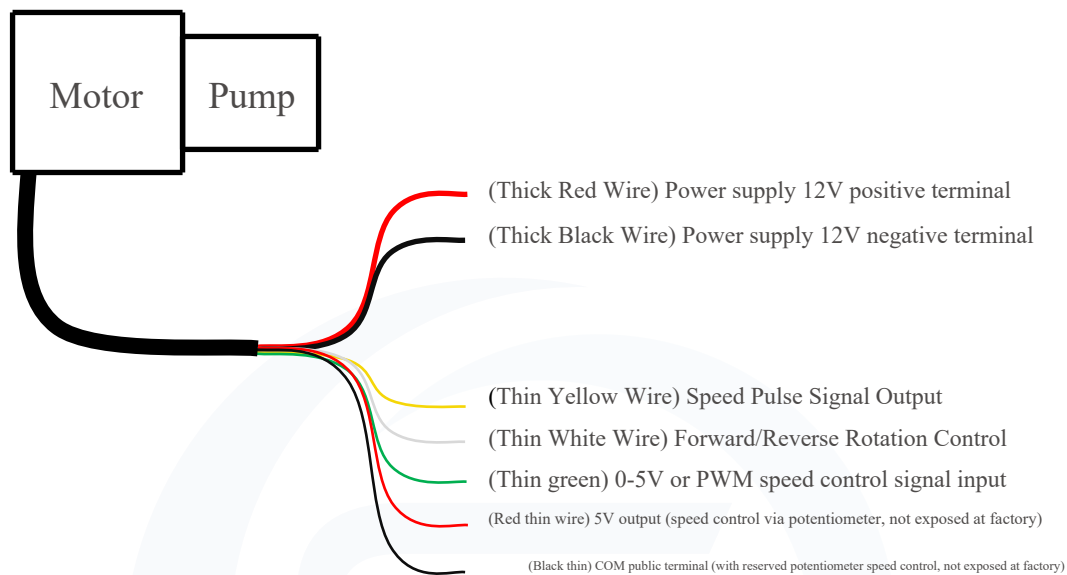
接线

- 红色粗线: 电源12V正极输入
- 黑色粗线: COM公共端
(电源12V负极;
0-5V或PWM信号的负极;
转速脉冲信号的负极;
正反转控制线的负极)
- 黄色细线: 转速脉冲信号输出 (每转2个脉冲)
- 绿色细线: 0-5V或PWM转速调节信号输入
- 白色细线: 正反转控制线, 与黑色线连接时泵反转
- 红色细线: 5V输出 (电位器调速预留, 悬空不接)
- 黑色细线: COM公共端 (同黑色粗线, 电位器调速预留, 悬空不接)

注意

- 绿色细线为转速调节信号输入, 输入电压不得高于5V, 否则会导致驱动器故障;
- 黄色细线为转速脉冲信号输出, 不可以接任何输入, 否则会导致转速反馈功能故障;
- 当不是用电位器调速时, 请将红色细线与黑色细线做好绝缘隔离, 以免误接导致故障;
- 驱动器带有过流保护功能、过温保护功能, 触发保护时电机将停机, 排除故障后需断电重启以解除保护。

LG64-42 12V-40W DC brushless motor Instructions



(The Motor is a DC brushless motor, Input Voltage 12V, Rated Power 40W, Built-in driver)



Wiring:

- Thick Red Wire: 12V positive power input
- Thick Black Wire: COM common terminal (power 12V negative;
The negative terminal of a 0-5V or PWM signal;
The negative pole of the rotational speed pulse signal;
Forward/Reverse Control Wire's negative pole)
- Thin Yellow Wire: Speed Pulse Signal Output (2 pulses per revolution)
- Green fine line: 0-5V or PWM speed control signal input
- Thin White Wire: Forward/Reverse Control Wire, when connected to the black wire, the pump Reverse Rotation
- Red fine line: 5V output (reserved for potentiometer speed adjustment, Left open / Open circuit not connected)
- Black fine wire: COM common terminal (same as Thick Black Wire, reserved for potentiometer speed adjustment, Left open / Open circuit not connected)



Notes:

- The green fine line is the speed regulation signal input, and the Input Voltage must not exceed 5V, otherwise it will cause Driver failure.
- Thin Yellow Wire is Speed Pulse Signal Output, which cannot be connected to any input, otherwise it will cause Function malfunction of speed feedback;
- When not using a potentiometer for speed adjustment, ensure the red and black wires are properly insulated to prevent accidental connections that could cause malfunctions.
- Driver has Over-current Protection and Over-temperature Protection functions. When Protection is triggered, the Motor will stop. After Fault is resolved, Power must be cycled OFF and ON to release the protection.