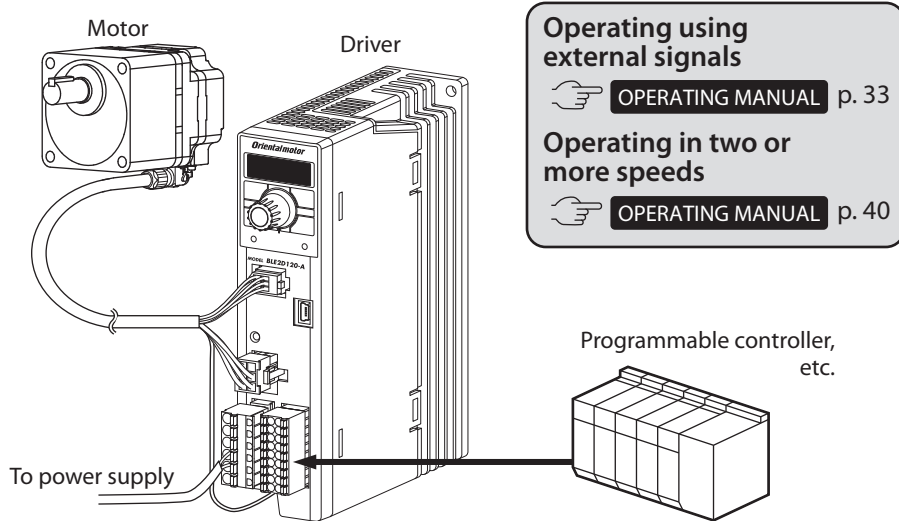


Many other useful features are also available

For example.....

The motor can be operated by external signals



Operating using external signals

OPERATING MANUAL p. 33

Operating in two or more speeds

OPERATING MANUAL p. 40

And others.....

- ▶ To display the rotation speed of the gearhead output shaft.
- ▶ To display the conveyor transfer speed.
- ▶ To set the rotation speed externally.
- ▶ To suppress the motor torque.
- ▶ To hold a load by the slight position-keeping function.
- ▶ To lock the data setting.

As mentioned in the right, various functions are available.

OPERATING MANUAL

Refer to "Convenient functions."

Orientalmotor



HM-5190

! Be sure to ground the Protective Earth Terminal (ground terminal) to ensure the safe use of the product.

Refer to "1 Connecting" for details, and ground securely.

Brushless Motors

BLE2 Series

QUICK START GUIDE

Thank you for purchasing an Oriental Motor product.

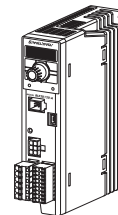
Use the product correctly after thoroughly reading the section "Safety precautions" of the operating manual.

This document describes methods till rotating the motor after connecting it to the driver. For details about how to use the product, refer to the **Operating manual** supplied with the driver.

Package contents

The package includes the items shown below.

Driver

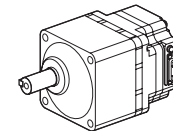


QUICK START GUIDE (this document)

OPERATING MANUAL

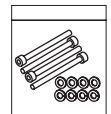
Motor (sold separately)

Motor



The figure shows an example of the combination type.

Mounting screw set

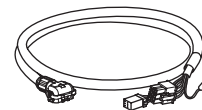


Supplied with the combination type.

OPERATING MANUAL

* Be sure to match the motor output power with the driver output power.

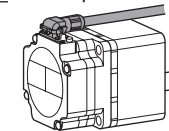
Connection cable (sold separately)



There are two types of connection cables which cable leading directions are different. (→ Refer to the right figure)

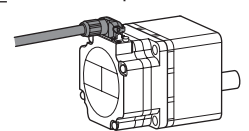
To connect the motor and driver, the dedicated connection cable is always needed.

[Leading in direction of output shaft]



Model: CC_HBLF

[Leading in opposite direction of output shaft]

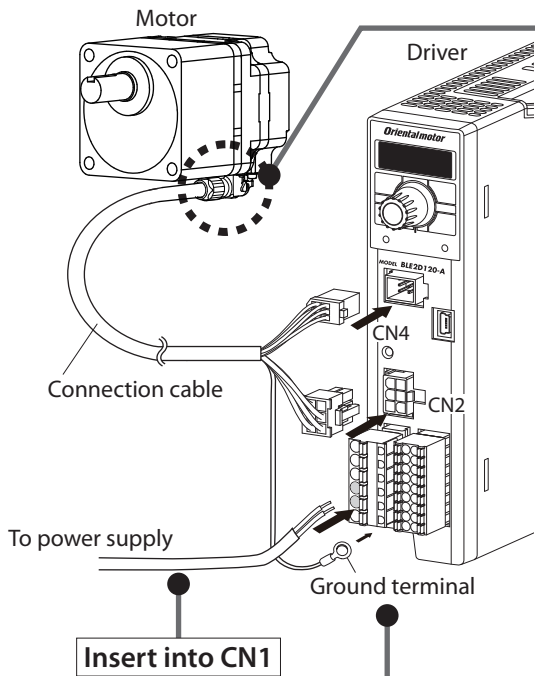


Model: CC_HBLB

For the round shaft type, only the cable for leading in opposite direction of output shaft can be used.

1 Connecting

OPERATING MANUAL
Refer to "Connecting"



Connection for motor and cable

This is an example for when the cable is "leading in direction of output shaft." In the case of the cable of "leading in opposite direction of output shaft," the cable leading direction is opposite in ② and ③.

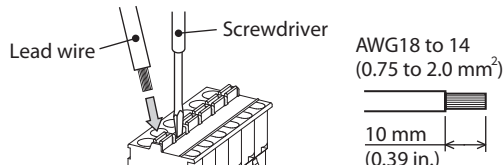
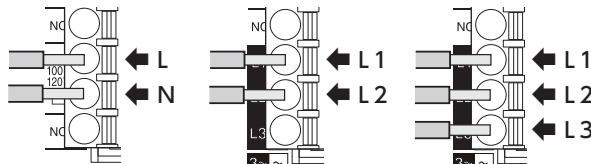
- ① **Remove** Connector cap
- ② **Attach** Locking lever
Position of lever
Keep the locking lever in the position shown in the figure, and insert.
- ③ **Secure** Locking lever
Be sure to turn down the locking lever till the position shown in the figure.

Connect a power supply cable according to the power-supply voltage specifications of the driver. Prepare the power supply cable since it is not supplied with the product.

Single-phase
100-120 VAC

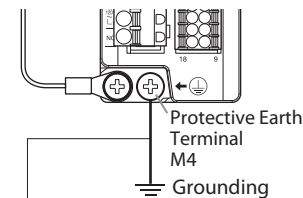
Single-phase
200-240 VAC

Three-phase
200-240 VAC



Ground

Be sure to ground using the Protective Earth Terminal.



Prepare a grounding wire since it is not supplied with the product. AWG18 to 14 (0.75 to 2.0 mm²)

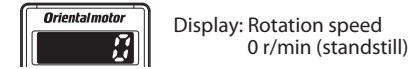
Note Be sure to ground the product. Failure to do so may result in electric shock or damage to the product. Static electricity may cause damage to the product if the Protective Earth Terminals are not grounded.

2 Operating a motor

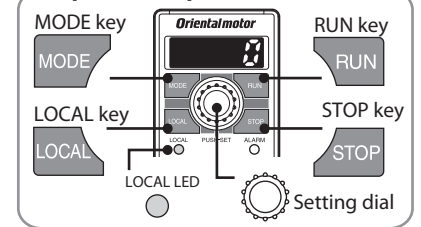
OPERATING MANUAL
Refer to "Operating"

1 AC power ON

When the power supply is turned on, the display shows as follows.



Operation panel



2 Operation selection

Press the LOCAL key.



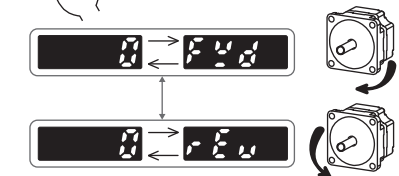
The operation using the operation panel was set, and the rotation speed and rotation direction are alternately continued to show on the display.



Interval of approximately 1 second

3 Rotation direction selection

Press the MODE key. The motor rotation direction changes whenever the MODE key is pressed.



* The figures show the round shaft type. With the combination type, the gearhead output shaft rotates in the opposite direction to the above figure when the gear ratio is 30, 50, and 100. (When the gear ratio is 30 and 50 for the 200 W type)

4 Start of motor

Press the RUN key. The motor rotates.

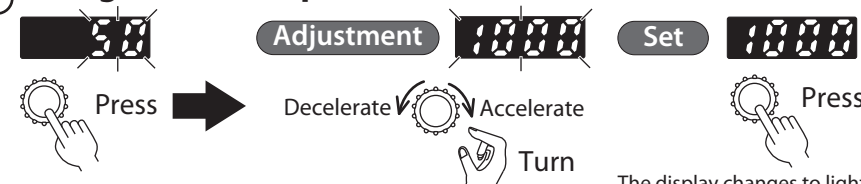


To stop the motor

Press the STOP key. The motor stops.



5 Change of motor speed [Example: 50 → 1000 r/min]



The display blinks. You can adjust the speed while blinking.

The display changes to lighting from blinking, and the speed will be set. When you start the motor next time, it will rotate at the set speed.