



System Information Display

IMPORTANT NOTICE

- Contact the place of purchase or a distributor for information on installation, adjustment, and replacement of the products which are not found in the user's manual. A dealer's manual for professional and experienced bicycle mechanics is available on our website (<https://si.shimano.com>).
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For safety, be sure to read this "user's manual" thoroughly before use, follow it for correct use, and store it so that it can be referenced at any time.

The following instructions must be observed at all times in order to prevent personal injury and physical damage to equipment and surroundings. The instructions are classified according to the degree of danger or damage which may occur if the product is used incorrectly.

| | |
|----------------|--|
| DANGER | Failure to follow the instructions will result in death or serious injury. |
| WARNING | Failure to follow the instructions could result in death or serious injury. |
| CAUTION | Failure to follow the instructions could cause personal injury or physical damage to equipment and surroundings. |

Important safety information

WARNING

- Do not disassemble or modify the product. This may cause the product to not operate correctly, and you may suddenly fall and be seriously injured.
- When operating the shift switch, be careful not to allow your fingers to be caught in the derailleur. The powerful motor which drives the electronic gear shifting derailleur will operate without stopping until the shifting position is reached.**

Notice

- If using a system information display, use it together as a set with one of the following units.
External type: BM-DN100, built-in type: BT-DN110
- Be sure to attach dummy plugs to any unused E-TUBE ports. If water gets into any of the components, operating problems or rusting may result.
- Do not keep connecting and disconnecting the small waterproof connector. It may impair the function.
- Be careful not to get water into the E-TUBE ports.
- The components are designed to be fully waterproofed to withstand wet weather riding conditions; however, do not deliberately place them into water.
- Do not clean the bicycle with a high-pressure washer. If water gets into any of the components, operating problems or rusting may result.

- Handle the components carefully, and avoid subjecting them to strong shock.
- Do not use thinner or other solvents to clean the products. Such solvents may damage the surface.
- Contact the place of purchase for updates of the component software. The most up-to-date information is available on the SHIMANO website.
- Disconnect the Bluetooth LE connection when not using E-TUBE PROJECT for smartphones/tablets. Using a system information display without disconnecting the Bluetooth LE connection could increase battery consumption.
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- For maximum performance we highly recommend SHIMANO lubricants and maintenance products.

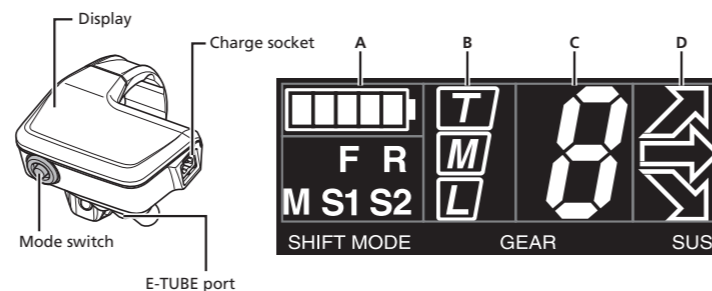
Regular inspections before riding the bicycle

Before riding the bicycle, check the following items. If any problems are found, consult your place of purchase or a distributor.

- Is the system information display securely installed to the handlebar?
- Is there sufficient charge remaining in the battery?
- Is there any noticeable damage to the electric wires?
- Are the dummy plugs attached to any unused E-TUBE ports?

Names of parts

Some items may not be able to be displayed or selected, depending on the connected components and software version. For information on the items available with the product being used, contact the place of purchase.



| | |
|----------|--|
| A | Battery level |
| B | Front derailleur Gear position |
| C | Rear derailleur Gear position/RD protection reset mode |
| D | Suspension setting |
| E | Operation mode |

A. Battery level

| Display | Battery level |
|---------|----------------|
| | 81% - 100% |
| | 61% - 80% |
| | 41% - 60% |
| | 26% - 40% |
| | 1% - 25%*1*2*3 |
| | 0%*3 |

*1 When the battery level is low, the operation of the suspension will be limited to the lock release direction. The operation of the rear suspension is restricted first, then that of the front suspension in the same manner.

*2 When the battery level drops below 5%, the operation of the front derailleur is restricted.



*3 When the battery level decreases further, both the suspensions and derailleurs cease operating, with the derailleurs fixed at the last shifted position. The battery indicator blinks for 2 seconds at the time of input operation. It is recommended to charge the battery as soon as possible.

B. Front derailleur Gear position

The gear position of the front derailleur is displayed.

| Display | Gear position |
|---------|--------------------|
| | Largest chainring |
| | Middle chainring |
| | Smallest chainring |

* In the case of double specification, only the largest chainring and smallest chainring are displayed.

C. Rear derailleur Gear position/RD protection reset mode

| Display | Details |
|---------|--|
| Number | The gear position of the rear derailleur is displayed. |
| | RD protection reset will operate. |

D. Suspension setting

Three types of front and rear suspension combinations can be configured.

| Display | Details |
|---------|---|
| | If the suspension settings are already configured, one of the settings can be selected from the screen indications. *1*2 |
| | If the suspension settings are not configured, the suspensions are not connected, or the battery level is running low, the display will be blank. |

*1 Suspension settings are configured in E-TUBE PROJECT. For details, consult your place of purchase or a distributor.

*2 Depending on the type of suspension, settings may be factory configured at the time of shipment. Check the indications displayed on the system information display screen, and if the arrows are displayed, be sure to check the setting details.

E. Operation mode

Displays the operation mode.

| Display | Mode | Details |
|---------|--|--|
| | Front derailleur/rear derailleur adjustment | Adjustment setting is done in this mode. For the setting procedure, contact your place of purchase or a distributor. |
| | Manual shift | Gears are shifted manually in this mode. |

| | | |
|--|---------------------|---|
| | Shift mode 1 | The shift mode set in E-TUBE PROJECT can be used. |
| | Shift mode 2 | |

Functions

Cycle computer connection

The system information display transmits the following four types of information to cycle computers or receivers that are compatible with ANT+™ or Bluetooth® LE connections:

- Gear position information (front and rear)
- Di2 battery level information
- Adjustment mode information
- D-FLY channel switch information

For information on which of the above is displayed, refer to the manual for your cycle computer or receiver.

* You can check the latest functions by using E-TUBE PROJECT to update the software. Please contact your place of purchase for details.

E-TUBE PROJECT connection

E-TUBE PROJECT for smartphones/tablets may be used if a Bluetooth LE connection is established with a smartphone/tablet.

Connection method

Cycle computer connection

To connect, the cycle computer needs to be in "connection mode." For information on how to put the cycle computer into connection mode, refer to the manual for your cycle computer.

1. Put the cycle computer into connection mode.

2. Perform gear shifting operations.

If you cannot connect after performing gear shifting operations, perform the following operations.

■ In the case of an external battery

Check that the electric wires are connected to the system information display, then remove and remount the external battery.

■ In the case of a built-in battery

Check that the electric wires are connected to the system information display, then remove the electric wires from the system information display and reconnect them. (Connection communication begins approximately 30 seconds after the battery is reinstalled or the electric wire is reconnected to the system information display.)

3. Connection is complete.

Check on the cycle computer to see if connection has been successful. If connection cannot be performed in the way described above, refer to the manual for your cycle computer.

For information on how to show the number of gears or the Di2 battery level, refer to the manual for the cycle computer.

E-TUBE PROJECT connection

Before setting up a connection, turn on Bluetooth LE on the smartphone/tablet.

1. Start E-TUBE PROJECT and set it to listen for Bluetooth LE signals.

2. Push the mode switch on the bicycle until “C” appears on the display.



The bicycle side is ready to connect. The unit name is displayed on the E-TUBE PROJECT screen.

* Release the mode switch or button as soon as the bicycle side is ready to be connected. If the mode switch or button is held down for any longer, a different mode will be activated.

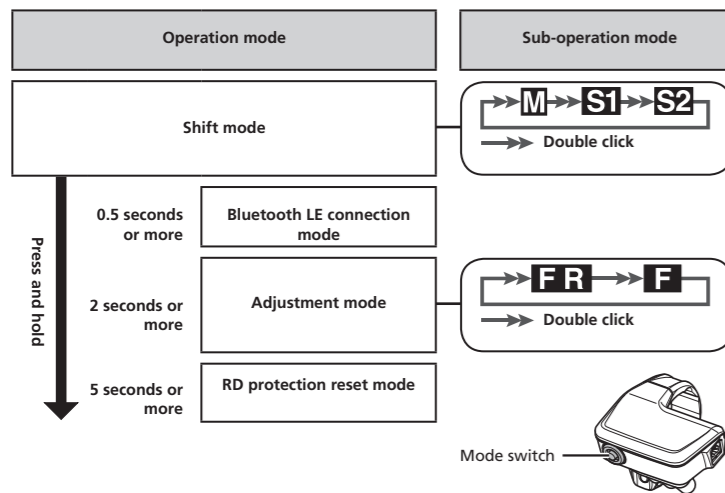
3. Select the unit name displayed on screen.

When disconnecting, cancel the Bluetooth LE connection from the smartphone/tablet. (The bicycle will switch from the connection mode to the normal operation mode.)

| Beep sounds | Situation |
|------------------------|--|
| One short beep | Indicates that the gear shifting limit has been reached. (When the chain is on the highest gear for both front and rear or lowest gear for both front and rear) |
| Two short beeps | Indicates that the front gears are being shifted in shift mode. These beeps sound when the front gear is shifted in the next operation. |
| One long beep | Indicates that the front derailleur cannot be shifted when the battery is running low. Blinking continues for 2 seconds after the sound has stopped. (Only one beep sounds when the gears are shifted) |
| | Indicates that there is an error with the suspension. All suspension mode arrows blink and continue to blink for 2 seconds after the sound has stopped. |

How to operate

Switching operation modes



To end adjustment mode or RD protection reset mode, press and hold for 0.5 seconds or more.

For the setting procedure, contact your place of purchase or a distributor.

About the RD protection function

Rotate the front chainwheel while restoring operation after the RD protection function has activated.

In order to protect the system from falls etc., the RD protection function will operate when the rear derailleur is subjected to a strong impact. The connection between the motor and the link will be momentarily severed so that the rear derailleur can no longer operate properly. Press and hold the mode switch for 5 seconds or more. This will restore the connection between the motor and the link, and clear the RD protection function for the rear derailleur. When recovery cannot be performed via switch operations, it may be possible by hand. Check with the place of purchase in advance.



Shift mode setting

Front gear position changes according to rear gear position. The settings are customizable in E-TUBE PROJECT. For details, consult your place of purchase or a distributor.

About the beep

Beeps are set to sound in certain situations during gear operation.

SHIMANO



SHIMANO NORTH AMERICA BICYCLE, INC.
One Holland, Irvine, California 92618, U.S.A. Phone: +1-949-951-5003

SHIMANO EUROPE B.V.
High Tech Campus 92, 5656 AG Eindhoven, The Netherlands Phone: +31-402-612222

MADISON (A DIVISION OF H.YOUNG (OPERATIONS) LTD)
Roebuck Way, Knowlhill, Milton Keynes, Buckinghamshire, MK5 8HL, United Kingdom

SHIMANO INC.
3-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577, Japan