Before riding the bicycle, check the following items. If any problems are found with the use, and follow them for correct use. For safety, be sure to read this user’s manual thoroughly before use, and follow them for correct use.

### Important Safety Information

**Guidelines that require replacement, contact the place of purchase or a bicycle dealer.**

**WARNING**
- When the shifting switch is operated, the motor which drives the front derailleur will operate to the shifting position without stopping, so be careful not to get your fingers caught.
- After reading the user’s manual carefully, keep it in a safe place for later reference.

**Note**
- Be sure to attach dumb plugs to any unused terminals.
- This is a small waterproof connector. Do not repeat connecting and disconnecting it. It may impair the function.
- Be careful not to let water get into the terminal.
- The components are designed to be fully waterproof to withstand wet weather riding conditions; however, do not deliberately place them into water.
- Do not clean the bicycle in a high-pressure car wash. If water gets into any of the components, operating problems or rusting may result.
- Handle the products carefully, and avoid subjecting them to any strong shocks.
- Do not use thinners or similar substances to clean the products. Such substances may damage the surfaces.
- Contact the place of purchase for updates of the product software. The most up-to-date information is available on the Shimano website.
- 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.

### How to make connections

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

1) Open E-TUBE PROJECT and set it to listen for Bluetooth LE signals.
2) Press the button on junction (A) until the green LED and red LED begin to blink alternately.
   The unit will begin signal transmission. The unit name displays in E-TUBE PROJECT.
3) Select the unit name displayed on screen.
   * To disconnect, cancel the Bluetooth LE connection from the smartphone/tablet. (The cycle computer will exit connection mode and return to regular operation mode.)

**How to check battery level**

- Press and hold either shifting switch for 0.5 seconds or more.
- The state of the LED for battery level indication will change to one of the below. After indicating the battery level, the LED will indicate the current shift mode.

### Shift mode selection

A double click of the mode switch changes the shift modes as follows. Each time the shift mode is changed, the LEDs change in the illustrations below.

<table>
<thead>
<tr>
<th>Shift mode</th>
<th>LED for battery level indication: Illuminates green (for 2 seconds)</th>
<th>LED for button:</th>
<th>Illuminates red (for 2 seconds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustment mode</td>
<td>Blinks green (2 times)</td>
<td>Button held down</td>
<td>Blinks (red)</td>
</tr>
<tr>
<td>RD Protection Reset mode</td>
<td>Blinks green (3 times)</td>
<td>Button held</td>
<td>Blinks (red)</td>
</tr>
</tbody>
</table>

When the red LED on junction (A) is illuminated, the rear derailleur cannot shift gears. Press the button until the red LED turns off.

### How to check battery level

#### Bar end built-in type

- **0.5 seconds or more:**
  - Adjustment mode
- **3 seconds or more:**
  - RD Protection Reset mode

To end Adjustment mode or RD Protection Reset mode, press for 0.5 seconds or more. For the setting procedure, contact a dealer or an agency.

#### Frame built-in type

- **0.5 seconds or more:**
  - Bluetooth LE connection mode
- **2 seconds or more:**
  - Adjustment mode
- **5 seconds or more:**
  - RD Protection Reset mode

To end Adjustment mode or RD Protection Reset mode, press for 0.5 seconds or more. For the setting procedure, contact a dealer or an agency.

### Operation

#### Switching operating modes

The available operation modes differ depending on the unit combined with junction (A).

**External type:** SM-BMR1, SM-BMR2, Built-in type: SM-BTR2

**External type:** BM-DN100, Built-in type: BT-DN110

**Shift mode**

<table>
<thead>
<tr>
<th>Battery indicator</th>
<th>LED for button</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>Illuminates green (for 2 seconds)</td>
</tr>
<tr>
<td>50%</td>
<td>Blinks green (5 times)</td>
</tr>
<tr>
<td>25%</td>
<td>Illuminates red (for 2 seconds)</td>
</tr>
<tr>
<td>0%</td>
<td>Blinks red (5 times)</td>
</tr>
</tbody>
</table>

* When the battery charge is low, first the front derailleur will stop operating, and then the rear derailleur will stop operating. When the battery is fully spent, the derailleur will stop at the positions where they were last shifted to. If the battery indicator is illuminated red, it is recommended that you recharge the battery as soon as possible.