



Wireless Unit (EW-WU111)

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>).
- The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by SHIMANO INC. is under license. Other trademarks and trade names are those of their respective owners.

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

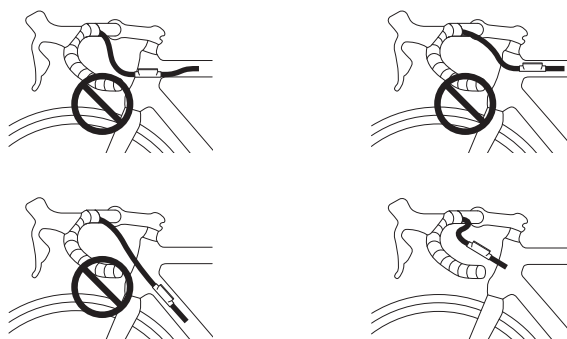
WARNING

- 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.

Notice

- Do not keep connecting and disconnecting the small waterproof connector. It may impair the function.
- 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.

- As shown in the figure, install the product so that it does not reach the side of the bicycle body. Otherwise, it could be damaged if the bicycle tips over and it is pinched between the frame and curb.



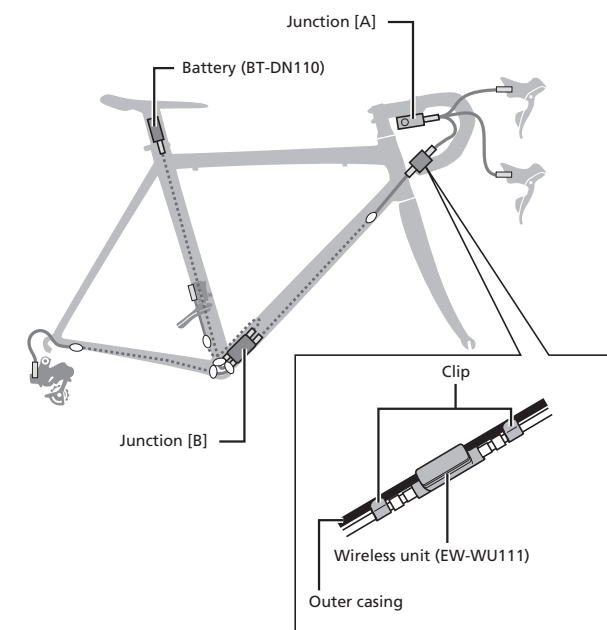
- Contact the place of purchase for updates of the component software. The most up-to-date information is available on the SHIMANO website.
- Do not use thinner or other solvents to clean the products. Such solvents may damage the surface.
- Be careful not to get water into the E-TUBE ports.
- Store in a safe place out of the reach of small children to avoid letting them swallow by mistake.
- 2.4 GHz digital wireless
This product adopts digital communication technologies in the 2.4 GHz frequency, which is used for wireless LAN, etc. It may receive interference in the following locations or environments that prevents measurement from being performed correctly:
 - * Near a device such as a television, computer, radio, or motor, or inside an automobile or railway car
 - * Near a railway crossing or railway track, television transmitting station, or radar base, etc.
 - * When using the product in combination with another cordless device or some lights
- Disconnect the Bluetooth LE connection when not using E-TUBE PROJECT for smartphones/tablets. Using a wireless unit 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

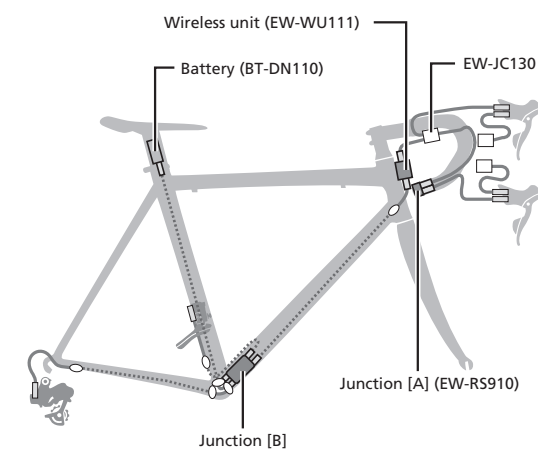
Before riding the bicycle, check the following items. If any problems are found, consult your place of purchase or a distributor.

- Is the wireless unit fully secured to the outer casing with the clip?
- Is there sufficient charge remaining in the battery?
- Is there any noticeable damage to the electric wires?
- Is the clip cracked or damaged?

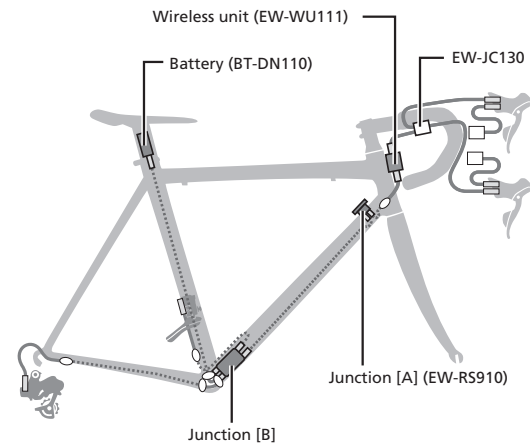
Names of parts



EW-WU111/EW-RS910 (built-in bar end type)



EW-WU111/EW-RS910 (built-in frame type)



Functions

Cycle computer connection

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

1. Gear position information (front and rear)
2. Di2 battery level information
3. Adjustment mode information
4. 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.

If using the wireless unit, use it together as a set with one of the following units. External type: BM-DN100, built-in type: BT-DN110

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 wireless unit, then remove and remount the external battery.

In the case of a built-in battery

Check that the electric wires are connected to the wireless unit, then remove the

electric wires (two wires) from the wireless unit and reconnect them. (Connection communication begins about 30 seconds after the battery is remounted or the electric wires are reconnected to the wireless unit.)

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. Set the bicycle side ready to connect.

In the case of system information display

Push the mode switch on the bicycle until "C" appears on the display. The unit name is displayed on the E-TUBE PROJECT screen.



In the case of junction [A]

Press the junction [A] button until the green LED and red LED start blinking alternately. The unit name is displayed on the E-TUBE PROJECT screen.

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.)

Specifications

Frequency band	2,402 - 2,480 MHz
Maximum radio-frequency power	+4 dBm
Firmware version	4.1.1 -

SHIMANO



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Please note: specifications are subject to change for improvement without notice. (English)
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