

Dealer's Manual

ROAD	GRAVEL	MTB
E-BIKE	LIFESTYLE	GENERAL

SHIMANO Di2 System and BOSCH "The smart system" Pairing Guide

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IMPORTANT NOTICE

- **This dealer's manual is intended primarily for use by professional bicycle mechanics.**

Users who are not professionally trained for bicycle assembly should not attempt to install the components themselves using the dealer's manuals.




If any part of the information on the manual is unclear to you, do not proceed with the installation. Instead, contact your place of purchase or a distributor for assistance.

- Make sure to read all manuals included with each product.
- Do not disassemble or modify the product other than as stated in the information contained in this dealer's manual.
- All manuals and technical documents are accessible online at <https://si.shimano.com>.
- For consumers who do not have easy access to the internet, please contact a SHIMANO distributor or any of the SHIMANO offices to obtain a hardcopy of the user's manual.
- Please observe the appropriate rules and regulations of the country, state or region in which you conduct your business as a dealer.
- 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 dealer's manual thoroughly before use, and follow it for correct use.


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.

TO ENSURE SAFETY

WARNING

- **Be sure to follow the instructions provided in the manuals when installing the product.**
Only use SHIMANO genuine parts. If a component or replacement part is incorrectly assembled or adjusted, it can lead to component failure and cause the rider to lose control and crash.
-  Wear approved eye protection while performing maintenance tasks such as replacing components.
- For information on products not explained in this manual, refer to the manuals for each product.
- For installation to the bicycle and maintenance
 - Be sure to remove the battery and charging cable before wiring or attaching parts to the bicycle. Failure to do so may cause an electric shock.

Be sure to also inform users of the following:

- Use only to connect BOSCH "The smart system" drive units to compatible SHIMANO shifting units.

NOTICE

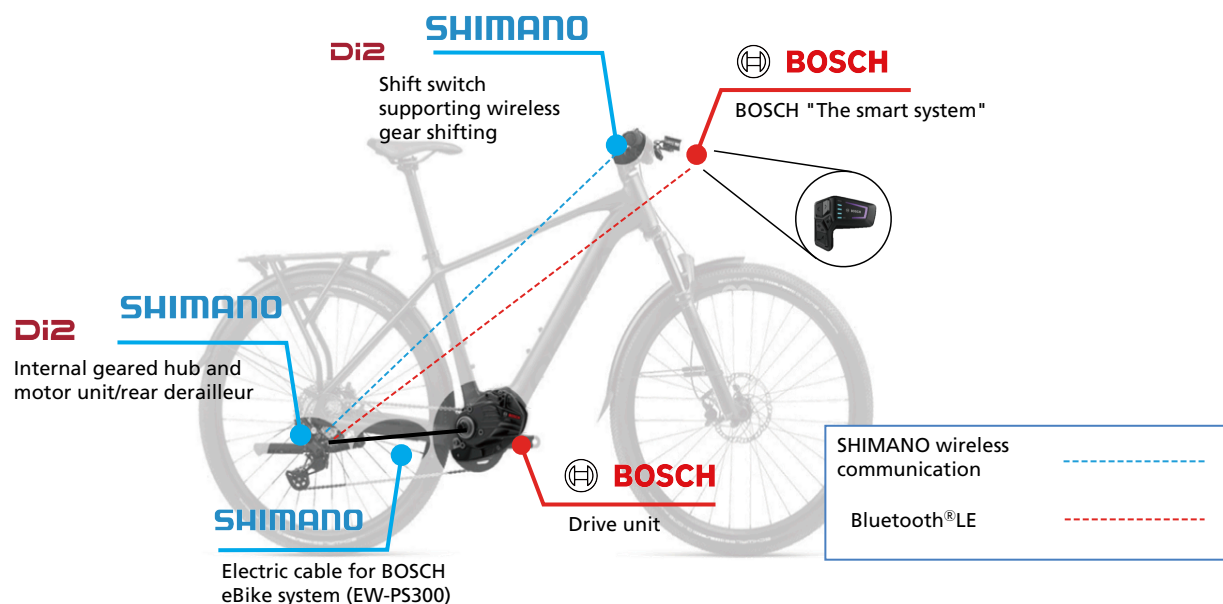
Be sure to also inform users of the following:

- For installation and adjustment of the product, consult the place of purchase.
- If gear shifting does not function while the assist function of your bicycle is operating normally, contact the place of purchase.
- The connectors are small and waterproof, so do not connect and disconnect electric wires except when necessary. Doing so may impair the waterproofing.
- 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 wash. 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.
- For details on product compatibility, refer to the compatibility information on the SHIMANO product website (<https://productinfo.shimano.com/#/com>).
- Also refer to the manuals for the E-BIKE on which this product is mounted, BOSCH "The smart system" drive unit, and BOSCH "The smart system" compatible devices, and other relevant manuals.
- 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.

The actual product may differ from the illustration because this manual is intended mainly to explain the procedures for using the product.

Overview of SHIMANO Di2 system and BOSCH "The smart system" pairing

To use two different types of wireless systems (SHIMANO wireless communication and Bluetooth® LE), it is necessary to establish pairing by following the pairing procedure for each wireless system.



Connecting a BOSCH drive unit and rear derailleur/motor unit

Before pairing, connect the BOSCH drive unit and rear derailleur/motor unit using the EW-PS300 (electric cable for BOSCH eBike system).

How to connect to the shifting unit

The method for connecting the EW-PS300 to the shifting unit is the same as that for an electric wire. Refer to the dealer's manual of the shifting unit you are using.

RD-M9260 / RD-M8260 / RD-M6260: " [Connecting the electric wire](#) "

RD-U8050: " [Connecting the electric wire](#) "

Motor unit: " [Connecting the electric wire](#) "

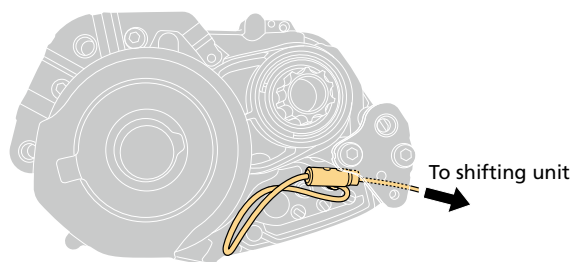
Connecting to the drive unit

For information on how to connect the EW-PS300 to a BOSCH drive unit, refer to the manual of the BOSCH drive unit you are using.

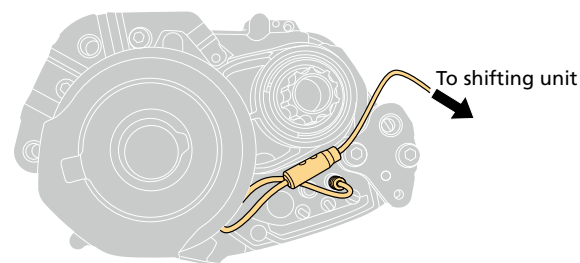
About the wiring

It is recommended that this product is wired inside the cover of the drive unit as follows:

Example 1



Example 2



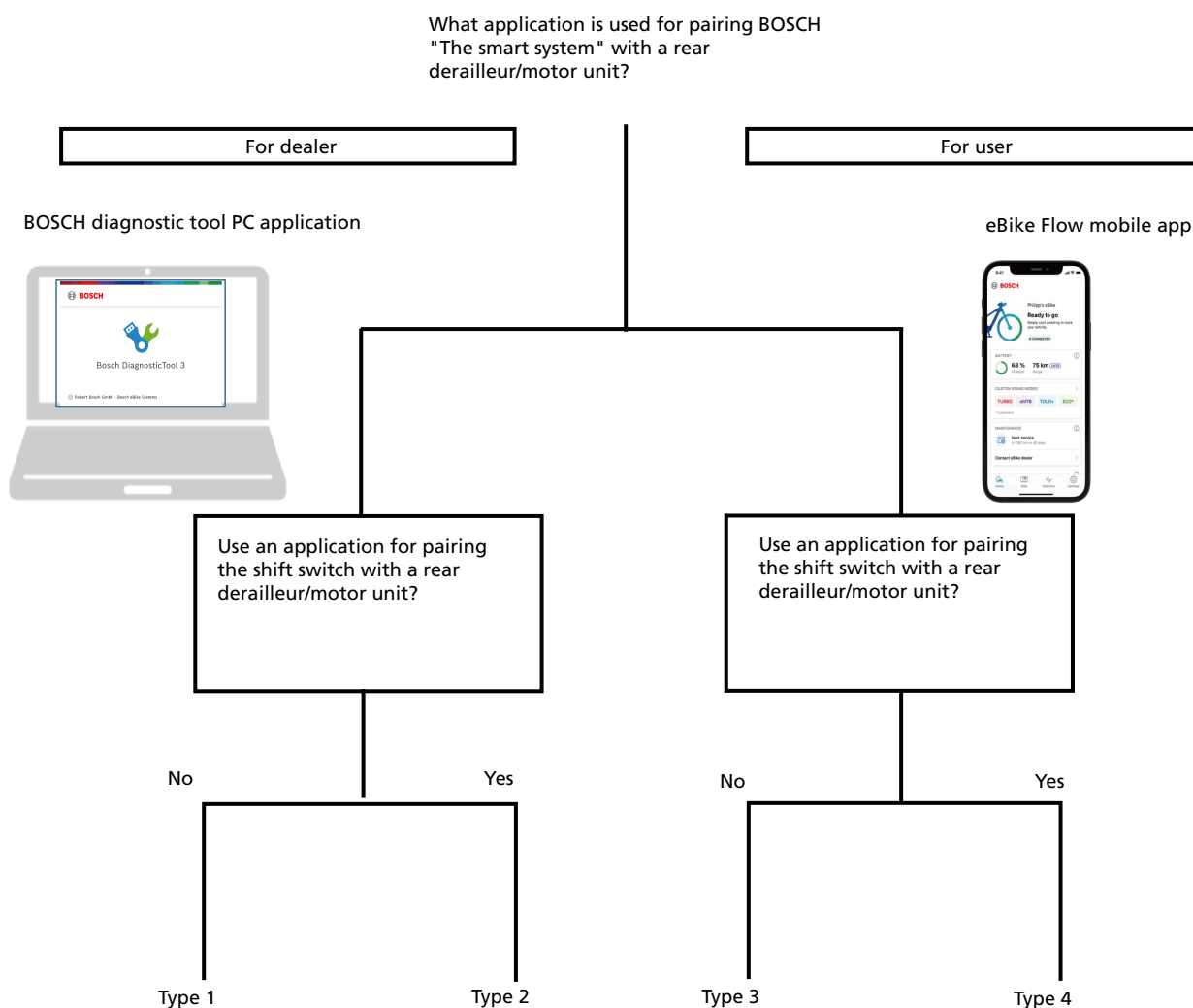
NOTICE

Do not forcibly bend this product or allow it to get caught in the frame or other components. Doing so may cause disconnection.

Determining the pairing type

There are two methods for pairing BOSCH "The smart system" with a SHIMANO rear derailleur/motor unit via Bluetooth® LE: using the BOSCH diagnostic tool PC application or using the eBike Flow mobile app.

There are also two methods for pairing a shift switch and rear derailleur/motor unit using SHIMANO wireless communication: with or without the application (E-TUBE PROJECT). The procedure to perform differs according to the combination of these methods. Select the application to use and pairing method to determine the pairing type, then refer to the corresponding procedure for that type.



NOTICE

- If BOSCH "The smart system" and rear derailleur/motor unit are already paired, use the application (E-TUBE PROJECT) to pair the shift switch and rear derailleur/motor unit.

- To pair the shift switch and rear derailleur/motor unit without the application (E-TUBE PROJECT) when BOSCH "The smart system" and rear derailleur/motor unit are already paired, it is necessary to cancel pairing for BOSCH "The smart system" and rear derailleur/motor unit. Refer to " [How to cancel pairing for BOSCH "The smart system" and rear derailleur/motor unit](#) " for the procedure for canceling pairing.

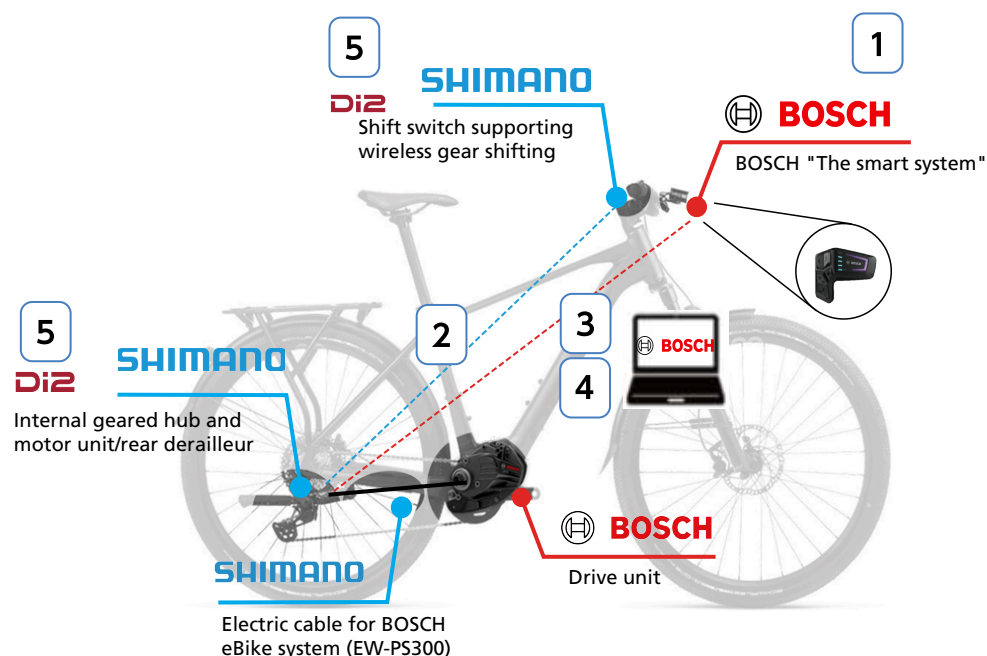
Pairing procedure

Perform pairing according to the pairing type determined in "[Determining the pairing type](#)". Pairing may not complete if an incorrect procedure is followed.

NOTICE

- If the LED of the rear derailleur/motor unit repeatedly flashes red after pairing is complete, the rear derailleur/motor unit may not be paired correctly. Refer to "[How to cancel pairing for BOSCH "The smart system" and rear derailleur/motor unit](#)" to cancel pairing and perform pairing again.

Type 1



Devices to pair	Application to use
BOSCH "The smart system" and rear derailleur/motor unit	BOSCH BOSCH diagnostic tool PC application
Shift switch and rear derailleur/motor unit	None

1. Start BOSCH "The smart system".

2. Pair the shift switch and rear derailleur / motor unit without using an application.

For details on how to pair, refer to the dealer's manual for the rear derailleur/motor unit.

RD-M9260 / RD-M8260 / RD-M6260: "[Pairing the rear derailleur and shift switch without using E-TUBE PROJECT Cyclist](#)"

RD-U8050: "[System pairing \(wireless\)](#)"

Motor unit: "[Pairing for wireless gear shifting \(MU-UR520\)](#)"

3. Pair BOSCH "The smart system" and rear derailleur/motor unit using the BOSCH diagnostic tool PC

application.

For details on how to pair, refer to the manual provided by BOSCH.

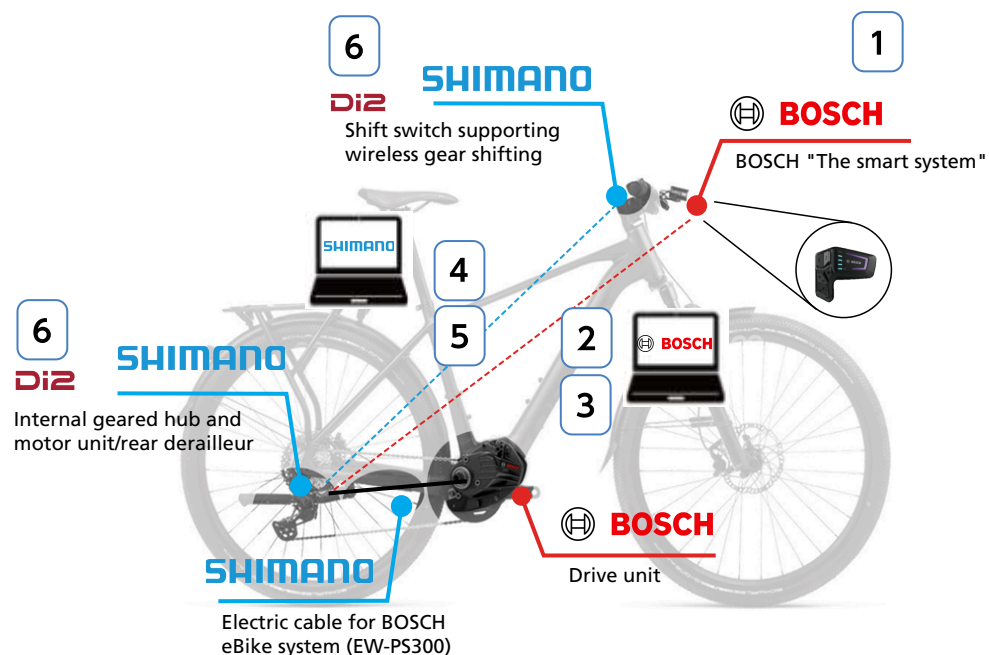
4. Disconnect the BOSCH diagnostic tool PC application.**5. Adjust gear shifting and check operation.**

For details on adjustment, refer to the dealer's manual for the rear derailleur/motor unit.

RD-M9260 / RD-M8260 / RD-M6260: " [Adjusting the rear derailleur](#) "

RD-U8050: " [Adjusting the rear derailleur](#) "

Motor unit: " [Adjusting the motor unit](#) "

Type 2

Devices to pair	Application to use
BOSCH "The smart system" and rear derailleur/motor unit	BOSCH BOSCH diagnostic tool PC application
Shift switch and rear derailleur/motor unit	SHIMANO E-TUBE PROJECT Professional or E-TUBE PROJECT Cyclist

1. Start BOSCH "The smart system".**2. Pair BOSCH "The smart system" and rear derailleur/motor unit using the BOSCH diagnostic tool PC application.**

For details on how to pair, refer to the manual provided by BOSCH.

3. Disconnect the BOSCH diagnostic tool PC application.**4. Pair the shift switch and rear derailleur/motor unit using E-TUBE PROJECT.**

Refer to the user's manual for E-TUBE PROJECT Professional / E-TUBE PROJECT Cyclist for details on pairing.

E-TUBE PROJECT Professional: " [Pairing](#) "

E-TUBE PROJECT Cyclist: " [Pairing](#) "

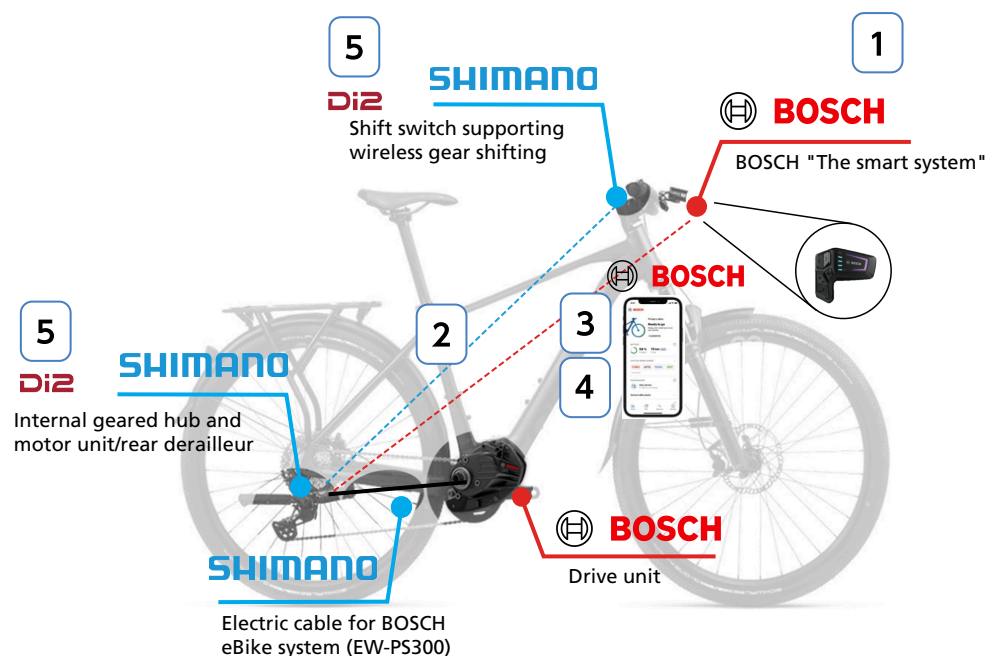
5. Disconnect E-TUBE PROJECT.**6. Adjust gear shifting and check operation.**

For details on adjustment, refer to the dealer's manual for the rear derailleur/motor unit.

RD-M9260 / RD-M8260 / RD-M6260: " [Adjusting the rear derailleur](#) "

RD-U8050: " [Adjusting the rear derailleur](#) "

Motor unit: " [Adjusting the motor unit](#) "

Type 3

Devices to pair	Application to use
BOSCH "The smart system" and rear derailleur/motor unit	BOSCH eBike Flow mobile app
Shift switch and rear derailleur/motor unit	None

1. Start BOSCH "The smart system".**2. Pair the shift switch and rear derailleur/motor unit without using an application.**

For details on how to pair, refer to the dealer's manual for the rear derailleur/motor unit.

RD-M9260 / RD-M8260 / RD-M6260: " [Pairing the rear derailleur and shift switch without using E-TUBE PROJECT Cyclist](#) "

RD-U8050: " [System pairing \(wireless\)](#) "

Motor unit: " [Pairing for wireless gear shifting \(MU-UR520\)](#) "

3. Pair BOSCH "The smart system" and rear derailleur/motor unit using the eBike Flow mobile app.

For details on how to pair, refer to the manual provided by BOSCH.

4. Disconnect the BOSCH diagnostic tool PC application.**5. Adjust gear shifting and check operation.**

For details on adjustment, refer to the dealer's manual for the rear derailleur/motor unit.

Rear derailleur: "Adjusting the rear derailleur"

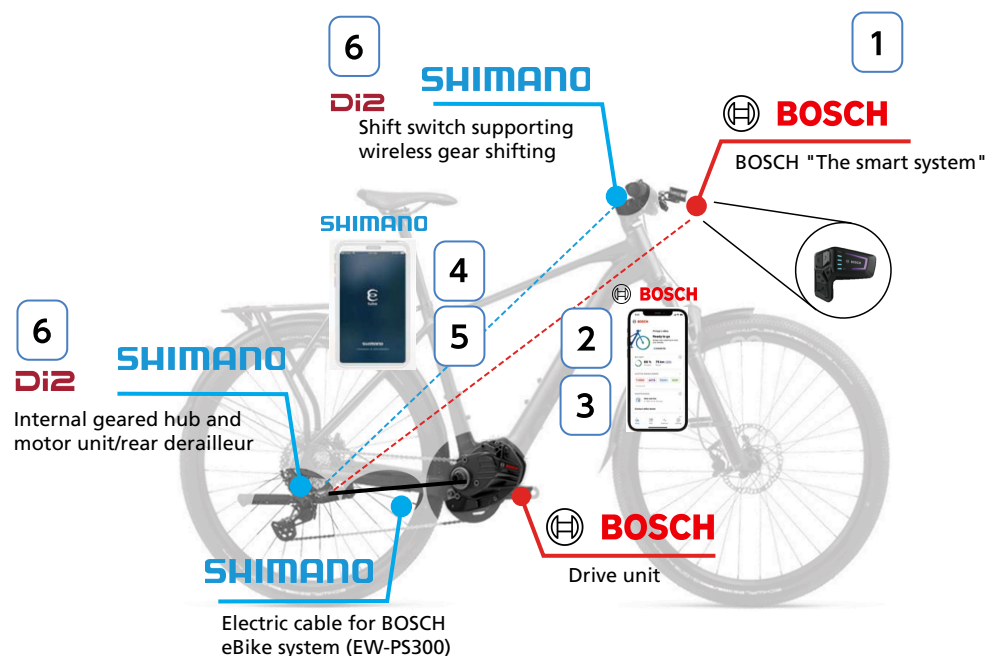
Motor unit: "Adjusting the motor unit"

RD-M9260 / RD-M8260 / RD-M6260: " [Adjusting the rear derailleur](#) "

RD-U8050: " [Adjusting the rear derailleur](#) "

Motor unit: " [Adjusting the motor unit](#) "

Type 4



Devices to pair	Application to use
BOSCH "The smart system" and rear derailleur/motor unit	BOSCH eBike Flow mobile app
Shift switch and rear derailleur/motor unit	SHIMANO E-TUBE PROJECT Professional or E-TUBE PROJECT Cyclist

- 1. Start BOSCH "The smart system".**
- 2. Pair BOSCH "The smart system" and rear derailleur/motor unit using the eBike Flow mobile app.**
For details on how to pair, refer to the manual provided by BOSCH.
- 3. Disconnect the BOSCH diagnostic tool PC application.**
- 4. Pair the shift switch and rear derailleur/motor unit using E-TUBE PROJECT.**
Refer to the user's manual for E-TUBE PROJECT Professional / E-TUBE PROJECT Cyclist for details on pairing.
E-TUBE PROJECT Professional: " [Pairing](#) "
E-TUBE PROJECT Cyclist: " [Pairing](#) "
- 5. Disconnect E-TUBE PROJECT.**
- 6. Adjust gear shifting and check operation.**
For details on adjustment, refer to the dealer's manual for the rear derailleur/motor unit.
RD-M9260 / RD-M8260 / RD-M6260: " [Adjusting the rear derailleur](#) "

RD-U8050: " [Adjusting the rear derailleur](#) "

Motor unit: " [Adjusting the motor unit](#) "

How to cancel pairing for BOSCH "The smart system" and rear derailleur/motor unit

TECH TIPS

- If the LED of the rear derailleur/motor unit repeatedly flashes red, the rear derailleur/motor unit may not be paired correctly. Check the pairing status, then cancel pairing and perform pairing again.
 - How to check the pairing status: Operate the BOSCH application and check whether any end devices or eShift devices remain.
 - If so, perform the procedure for canceling pairing from step 1.
 - If not, start BOSCH "The smart system" and perform the procedure for canceling pairing from step 4 for the PC application or step 5 for the mobile app.

Canceling pairing with the BOSCH diagnostic tool PC application

1. **Start BOSCH "The smart system".**
2. **Operate the BOSCH diagnostic tool PC application to delete any end devices or eShift devices.**
Refer to the manual provided by BOSCH for details on deleting devices.
3. **Turn the power of BOSCH "The smart system" OFF and then ON again.**
4. **Press and hold the function button of the rear derailleur/motor unit for 8 seconds or longer.**
For information on the location of the function button, refer to the user's manual for each product.
After 8 seconds, the LED of the rear derailleur/motor unit will start flashing alternately in red and green.
RD-M9260 / RD-M8260 / RD-M6260: " [Names of parts](#) "
RD-U8050: " [Names of parts](#) "
Motor unit: " [Names of parts](#) "
5. **Release the function button while it is flashing (after 8 to 15 seconds).**
6. **The LED flashes five times. Check the color.**
If it flashes green, pairing was successfully canceled. If it flashes red, pairing failed to be canceled. Perform the procedure again from step 4.
7. **Turn the power of BOSCH "The smart system" OFF and then ON again.**

Canceling pairing with the eBike Flow mobile app

1. **Start BOSCH "The smart system".**
2. **Connect BOSCH "The smart system" and eBike Flow mobile app.**
3. **Operate the BOSCH eBike Flow mobile app to delete any end devices or eShift devices.**
For details on how to connect the eBike Flow mobile app and delete devices, refer to the manual provided by BOSCH.

4. Turn the power of BOSCH "The smart system" OFF and then ON again.

5. Press and hold the function button of the rear derailleur/motor unit for 8 seconds or longer.

For information on the location of the function button, refer to the user's manual for each product.

After 8 seconds, the LED of the rear derailleur/motor unit will start flashing alternately in red and green.

RD-M9260 / RD-M8260 / RD-M6260: " [Names of parts](#) "

RD-U8050: " [Names of parts](#) "

Motor unit: " [Names of parts](#) "

6. Release the function button while it is flashing (after 8 to 15 seconds).

7. The LED flashes five times. Check the color.

If it flashes green, pairing was successfully canceled. If it flashes red, pairing failed to be canceled. Perform the procedure again from step 5.

8. Turn the power of BOSCH "The smart system" OFF and then ON again.

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