

User's Manual

Dual Control Lever (Di2)



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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>).
- Please observe the appropriate rules and regulations of the country, state or region in which you conduct your business as a dealer.

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

- Because each bicycle may handle slightly differently depending on the model, be sure to learn the proper braking technique (including brake lever pressure and bicycle control characteristics) and operation of your bicycle. Improper use of your bicycle's brake system may result in a loss of control, which could lead to serious injury due to a fall or collision.
- 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 shifting derailleur will operate without stopping until the shifting position is reached.
- Do not apply the front brake too strongly. If you do so, the front wheel may lock and the bicycle may fall forward, and serious injury may result.
- Because the required braking distance will be longer during wet weather, reduce your speed and apply the brakes early and gently. Failure to do so may result in serious injury due to a fall or collision.
- A wet road surface may cause tires to lose traction; therefore, to avoid this, reduce your speed and apply the brakes early and gently. If the tires lose traction, you may fall and be seriously injured.

NOTICE

- Be sure to rotate the crank while performing the switch operations related to shifting.
- After connecting the hood button to the wireless unit (SM-EWW01/EW-WU101/EW-WU111) or to the rear derailleur, you can use E-TUBE PROJECT to update the software. Please contact your place of purchase for details.
- 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.
- Be careful not to get water into the E-TUBE ports and the satellite shifter connection port.
- Do not use the thinners or harsh solvents to clean this product. Such solvents may damage the surface.
- In the case of carbon levers, wash them with a soft cloth using a neutral detergent. Otherwise, the material may be damaged and lose strength.
- Avoid leaving the carbon levers in places where high temperatures are present. Also keep them well away from fire.
- Contact the place of purchase for updates of the component software. The most up-to-date information is available on the SHIMANO website.
- Also read the manuals for other connected components together with the manual for the brakes.
- Be sure to attach dummy plugs to any unused E-TUBE ports and the satellite shifter connection port. If water gets into any of the components, operating problems or rusting may result.
- The electric wire has small waterproof connectors, so do not repeatedly connect and disconnect it too often. Doing so may impair the waterproofing.
- 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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAN ICES(B) / NMB(B)



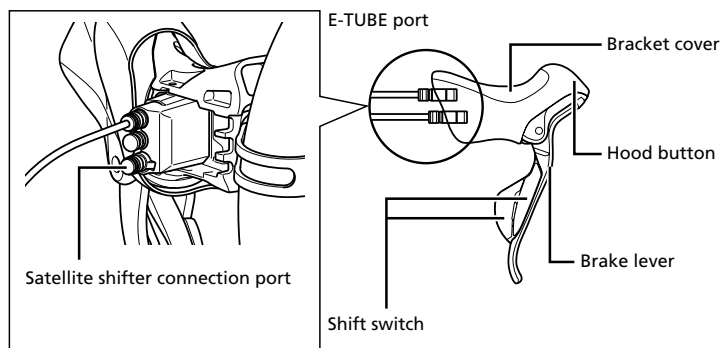
This symbol on your product, literature, or packaging reminds you that this product must be taken to separate collection at the end of its working life. Do not dispose of this product as unsorted municipal waste but instead take it for recycling. By ensuring the product is disposed correctly, you will help to prevent potential negative consequences for the environment and human health. For info on your nearest recycling point, check with your local waste authority.

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.

- Do the front and rear brakes work correctly?
- Is the gap in the brake lever sufficient?
- Does the brake cable have any rust, fraying, or cracks?
- Have the brake shoes worn down to the grooves?
- Does shifting occur when the shift switches are operated?
- Are the levers securely installed to the handlebar?
- Do any abnormal noises occur during operation?

Names of parts



* Depending on specifications, some models may lack some functions.

In models with a hood button, the hood button may be located in different positions depending on the model. Pull back the bracket cover and check the location of the hood button.

* The number of connection ports in the E-TUBE port differs depending on the model.

How to operate

Shifting operation

Be sure to rotate the crank while performing the switch operations related to shifting.

Hood button (default setting)

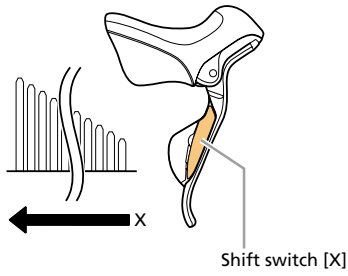
The hood button sends signals via the wireless unit (SM-EWW01/EW-WU101/EW-WU111) or via the rear derailleur to compatible products.

The operation and functions differ depending on the compatible product. Refer to the manual for the compatible product.

Rear shift switch operation (default setting)

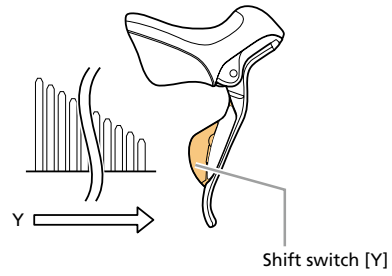
<Shift switch [X]>

Shifts to a larger sprocket.



<Shift switch [Y]>

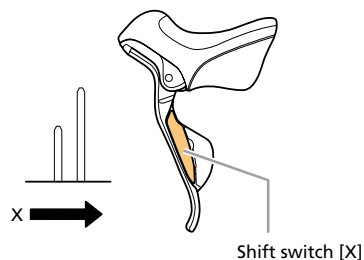
Shifts to a smaller sprocket.



Front shift switch operation (default setting)

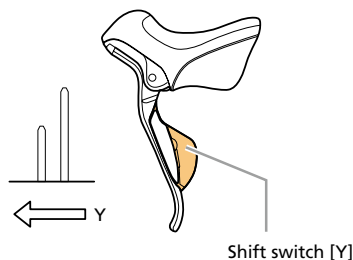
<Shift switch [X]>

Shifts to a larger chainring.



<Shift switch [Y]>

Shifts to a smaller chainring.

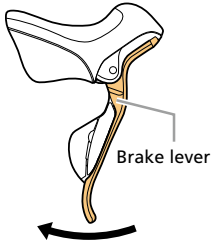


- If the chain falls off the crank to the inside, press and hold the shift switch [X] for 1 second or more. This will cause the front derailleur to move to the outermost position and remain there for 10 seconds in order to remount the chain.
- Actual behavior may differ depending on the connected components and software version.
- The settings for each switch can be changed as follows. For details about changing settings, contact the place of purchase.
 - Reverse the shifting up and shifting down functions for shift switches [X] and [Y]
 - Reverse the rear and front shift switches
 - Multi-shift mode setting
 - Configure the hood button as a shift switch
- If no switch operations are performed for 30 minutes, shifting will not be performed with the first switch operation after that. Shifting will be performed from the second switch operation.

Operating the brakes

This product has a reach adjustment function.

For details about making these adjustments, contact the place of purchase.



Selecting / confirming the synchronized shift and manual shift

Double click the shift switch assigned to the mode switch function to switch the shift mode selection. The LED on the rear derailleur changes as indicated in the figure each time the shift mode switches.

Manual shift		
●	Manual shift (M)	Solid blue
Synchronized shift 1		
☀	Shift mode 1 (S1)	Flashing blue (twice)
Synchronized shift 2		
☀	Shift mode 2 (S2)	Flashing blue (3 times)

Switching to the adjustment mode

Press and hold the shift switch assigned to the mode switch function for 2 to 5 seconds to switch the mode.
For the setting procedure, contact your place of purchase or a distributor.

Switch between AUTO SHIFT (automatic shifting) and manual shifting (ST-R9250 / ST-R8150)

NOTICE

- If it is difficult to switch to the manual shifting, check that [Gear shifting mode] is assigned to the hood button. For details, check the user's manual for [E-TUBE PROJECT Cyclist](#).

Single click the hood button to select the AUTO SHIFT mode and switch to the manual shifting. The LED on the rear derailleur or motor unit changes as indicated in the figure when the mode switches.

For SHIMANO E-BIKE SYSTEMS with a cycle computer (DU-EP801, DU-EP600, DU-EP500)

Action	Hood button / shift switch operation	Current mode	LED on the rear derailleur / motor unit	
Switching between AUTO SHIFT and manual shifting ([AUTO 1] → [AUTO 2] → Manual → [AUTO 1]...)	Single click the hood button / shift switch	Normal mode		Flashing green [AUTO 1]: Once [AUTO 2]: Twice
				Solid green Manual

- When [AUTO 2] is not enabled, the setting switches as follows:
[AUTO 1] → Manual → [AUTO 1]...
- You can customize the shifting features of [AUTO 1] and [AUTO 2] in E-TUBE PROJECT Cyclist. For details, refer to " [AUTO SHIFT \(auto shifting\)](#) " in the user's manual for E-TUBE PROJECT Cyclist.

For SHIMANO E-BIKE SYSTEMS without a cycle computer (DU-EP801, DU-EP600, DU-EP500)

Action	Hood button / shift switch operation	Current mode	LED on the rear derailleur / motor unit	
Switching between AUTO SHIFT and manual shifting ([AUTO 1] → Manual → [AUTO 1]...)	Single click the hood button / shift switch	Normal mode		Flashing green [AUTO 1]: Once
				Solid green Manual

For other bicycles compatible with AUTO SHIFT

Action	Hood button / shift switch operation	Current mode	LED on the rear derailleur / motor unit	
Switching between AUTO SHIFT and manual shifting (Selected AUTO SHIFT setting ↔ Manual)	Single click the hood button / shift switch	Normal mode		Flashing green [AUTO 1]: Once [AUTO 2]: Twice [AUTO 3]: 3 times

How to operate

Switch between AUTO SHIFT (automatic shifting) and manual shifting (ST-R9250 / ST-R8150)

				Solid green Manual
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- You can select the [AUTO 1], [AUTO 2], or [AUTO 3] setting in the rear derailleur as the shifting features of AUTO SHIFT. For details, refer to “ [Switching operation modes](#) ” in the user's manual for the rear derailleur (Di2).

SHIMANO



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

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