

User's Manual

Shift Switch



Contents




IMPORTANT NOTICE	3
Important safety information	4
Notice	7
Regular inspections before riding the bicycle	8
Names and functions of parts	9
Names of parts	9
Basic operation	9
Switching automatic gear shifting settings	9
Checking the level of the coin batteries	10
Regarding the adjustment mode	10
Coin battery replacement	11
Before replacing the coin batteries	11
Replacing the coin batteries	12
Wireless function	14
Method for pairing with the shifting unit	14
2.4 GHz digital wireless systems	14
Specifications	14
Troubleshooting	15
Error / warning indication	15
When a problem occurs	15

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>).

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.
- Do not throw or subject this product to strong shocks. If this is not observed, bursting, overheating or problems with operation may occur.
- Do not let grease adhere to the metal terminals. A conduction failure may result.
- Use only the coin batteries specified. When replacing the coin battery, replace both batteries at the same time with new ones. Using different kinds of coin batteries or new and old coin batteries together may cause the coin batteries to burst, leak fluid, overheat or catch fire, resulting in a fire, injuries or contamination in the surrounding area.
- Coin batteries are hazardous and must be kept away from children. Never put coin batteries in mouth or in any part of the body. Severe or fatal injuries can occur within 2 hours if swallowed or placed inside the body. If this occurs or is suspected, seek medical attention immediately.



- Do not use this equipment in locations where children are likely to be present. If the included coin batteries are swallowed by mistake, seek medical attention immediately.
- Dispose of the coin batteries according to proper country and/or state disposal regulations. Disposal of this product into fire or a hot oven, or mechanically crushing or cutting it, can result in an explosion of the coin batteries.
- Do not use the coin batteries outside their operating temperature ranges. If a battery is used or stored in temperatures which are outside these ranges, fire, injury or problems with operation may occur.
- Do not use the coin batteries if leakages, discoloration, deformation or any other abnormalities occur. If this is not observed, bursting, overheating or problems with operation may occur.
- If any leaked fluid from the coin batteries gets on your skin or clothes, wash it off immediately with clean water. The leaked fluid may damage your skin.
- Do not leave this product in an extremely high temperature surrounding environment such as in a closed vehicle on a hot day, or near a heater. Doing so may result in an explosion of the coin batteries or the leakage of flammable liquid or gas from them.
- Do not subject this product to extremely low air pressure. Doing so may result in an explosion of the

coin batteries or the leakage of flammable liquid or gas from them. Transporting this product by air is not a problem.

- 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

- 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 in 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.
- Do not use the thinners or harsh solvents to clean the products. Such solvents may damage the surface. When cleaning the products, use a cloth moistened with a neutral detergent diluted with water.
- Do not turn the bicycle upside down. There is a risk of damage to the shift switch.
- Products are not guaranteed against natural wear and deterioration from normal use and aging.
- For connectable components and shifting units, check the compatibility information on the SHIMANO product website (<https://productinfo.shimano.com/#/com>).
- Coin batteries
 - Insert the coin batteries with the correct +/- orientation.
 - Remove the coin batteries if you do not use them for a long period.
 - When the coin batteries are depleted, remove them immediately.
- Store this product or the bicycle with this product installed in a cool indoor location away from direct sunlight and rain (approx. 10 - 20°C). If the storage temperature is too low or too high, the performance of the coin batteries is reduced, and their usable time will be shorter. When using after a long period of non-use, be sure to replace the coin batteries with new ones.
- 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.



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.

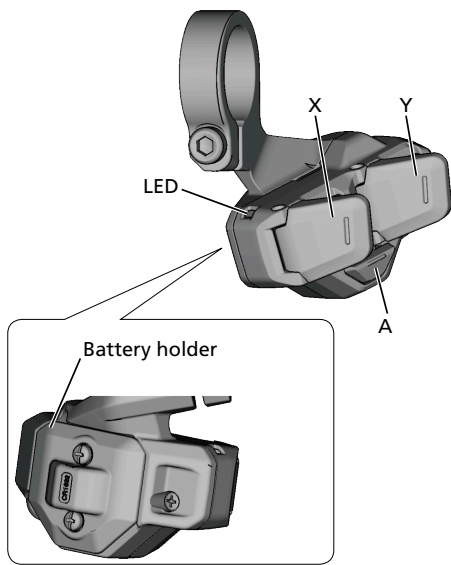
Regular inspections before riding the bicycle

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

- Are operations carried out smoothly?
- Are the shift switches attached to the handlebars snugly?
- Do any abnormal noises occur during operation?
- Is there sufficient charge remaining in the coin batteries?

Names and functions of parts

Names of parts



Basic operation

Default values are listed below. The functions assigned to each switch can be changed.

Switch	Operation
X	Shifting down
Y	Shifting up
A	Refer to “ Switching automatic gear shifting settings .”

Switching automatic gear shifting settings

The setting switches as follows each time A is pressed.

Manual > [Auto 1] > [Auto 2] > ... > Manual

The number of automatic gear shifting settings registered depends on the bicycle. When there is only one automatic gear shifting setting, you can only switch between manual gear shifting and automatic gear shifting. The LED display changes as follows when the automatic gear shifting setting switches.

Names and functions of parts

Checking the level of the coin batteries

Display	State
Yellow-green	Indicates that the setting has switched to manual gear shifting.
Blinking yellow-green (1 times)	Indicates that the setting has switched to [Auto 1].
Blinking yellow-green (2 times)	Indicates that the setting has switched to [Auto 2].
Blinking yellow-green (3 times)	Indicates that the setting has switched to [Auto 3].

TECH TIPS

- With an E-BIKE, the setting cannot be switched to [Auto 3]. You can customize the gear shifting features of [Auto 1] and [Auto 2] in E-TUBE PROJECT Cyclist. For details, refer to the user's manual for E-TUBE PROJECT Cyclist .
- With a rear derailleur having power supplied from a compatible freehub, the automatic gear shifting setting can be switched to [Auto 1], [Auto 2], and [Auto 3]. Refer to the user's manual of the corresponding freehub for details on the gear shifting features of [Auto 1], [Auto 2], and [Auto 3].

Checking the level of the coin batteries

Press X and Y together to check the level of the coin batteries with the LED display.

Display	Coin battery level
Yellow-green	11 - 100%
Red	10% or less
Off	No charge

Regarding the adjustment mode

This product has two operation modes. The normal mode, which enables you to use automatic/manual gear shifting, and the adjustment mode, which enables you to perform gear shifting adjustment. If gear shifting adjustment is required, contact the place of purchase.

Press and hold A to switch the operation mode.

If the system has switched to the adjustment mode, gear shifting is not possible. Press and hold A to return to the normal mode.

Display	State
Yellow (turns off after a certain amount of time has elapsed)	Indicates that the product has switched to the adjustment mode, or switched from the adjustment mode to the normal mode.

Coin battery replacement

Before replacing the coin batteries

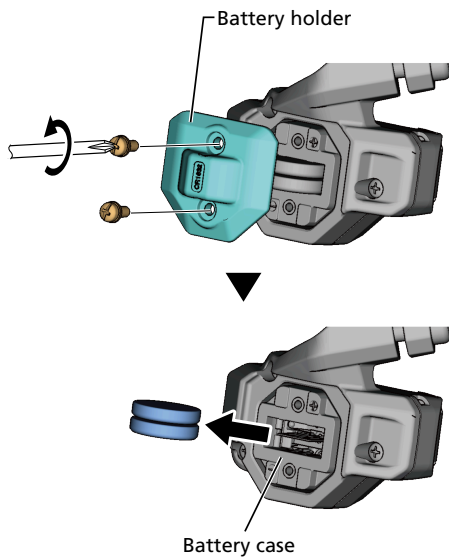
- The supplied coin batteries may be low, as they are intended only for test purposes. When the coin battery level becomes low, replace the coin batteries with new ones.
- When replacing the coin batteries or installing/removing the battery holder, move to an area well away from sources of water (such as rivers, lakes, the ocean, or ditches).
- Do not perform this task in locations with a lot of water or mud, such as outdoors during rain or car washing facilities. If these are not observed, problems with operation may occur.
- Do not perform this task in areas with a lot of sand or dust in the air. If this is not observed, problems with operation may occur.
- Before replacing the coin batteries, wipe the battery holder and battery case to remove water, dirt, etc. If these are not observed, problems with operation may occur.
- Use your hands or an insulated tool with a blunt tip to replace the coin batteries.
- Take care of the terminals when removing the coin batteries in order to prevent damage to the coin batteries.
- When performing this task with your hands, clean your hands and remove all water and dirt.
- Static electricity can damage electronic components. Discharge static electricity from your body before performing this task.
- Use two CR1632 coin batteries.

- It is recommended that you use new coin batteries.

Replacing the coin batteries

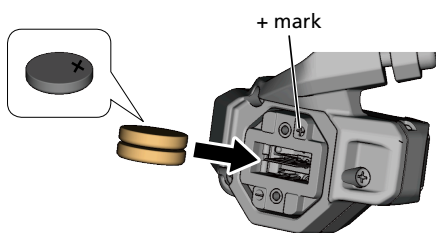
1. Remove the battery holder, then the two old coin batteries from the battery case.

Be careful not to lose the mounting screws. If it is difficult to remove a coin battery, attach tape, etc. to the surface of the coin battery and pull it out.



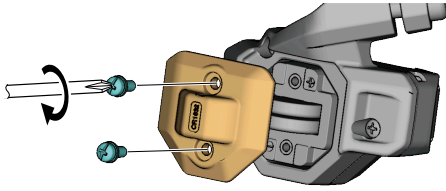
2. Set the new coin batteries to the battery case.

As shown in the figure, set the two coin batteries with the positive (+) side on the side of the + mark (facing up).



3. Install the battery holder with the correct orientation, and firmly secure it.

Be careful not to overtighten the mounting screws, as doing so may cause damage.



NOTICE

- Before installing the battery holder, check that the waterproof sealing gasket and contacting surfaces are free of foreign substances (such as dirt, dust, sand, hair, thread, or liquids).
- If there are foreign substances present, wipe them away with a clean, dry cloth that does not shed lint or fibers.
- Remove the battery holder only when replacing the coin batteries, and do not leave it removed. Doing so may cause problems with operation due to foreign objects getting inside or deterioration to the electronic component, etc.
- Make sure the coin batteries are installed correctly. Installing a coin battery with the positive (+) and negative (-) polarities reversed will not only stop the component from operating, it may also cause the component to malfunction.
- After replacement, check that it works normally.

Wireless function

Method for pairing with the shifting unit

This product is for wireless gear shifting only. It must be paired with a shifting unit to use.

Refer to the user's manual for E-TUBE PROJECT Cyclist or contact the place of purchase for information about pairing.

2.4 GHz digital wireless systems

This product adopts digital wireless technologies in the 2.4 GHz frequency band, which are used for wireless LAN, etc.

It may receive interference in the following locations or environments, which can prevent wireless communication from being performed correctly in extremely rare cases.

- Near televisions, computers, radios, motors or engines, etc.
- Inside vehicles or trains
- Near railway crossings or tracks
- Near television stations or radar stations
- Near other wireless computers or digital control lights

Specifications

Operating temperature	-10°C - 50°C
Frequency band	2.4 GHz
Maximum radio-frequency power	<10 dBm
Firmware version	4.0.0 or later

Troubleshooting

Error / warning indication

When an error or warning occurs, the LED flashes red.

If the LED lights red when the switch is pressed, the coin battery level is low. Replace the coin battery.

If the error persists, contact your place of purchase or a distributor for assistance.

When using this product with SHIMANO STEPS and the bicycle has a cycle computer installed, refer to the “SHIMANO STEPS Cycle Computer User's Manual” for information on the display. For details on error/warning codes, check the latest versions below:



<https://si.shimano.com/error>

When a problem occurs

Refer to the FAQ.

- SHIMANO STEPS FAQ



<https://bike.shimano.com/faq/STP0A>

- Di2 FAQ



<https://bike.shimano.com/faq/DI20A>

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