Using the mode positions

**“D” and “Ds” modes**

Move the mode select switch to the “D” or “Ds” position for automatic gear shifting in accordance with the bicycle speed.
- In “D” mode, slow automatic shifting is carried out.
- In “Ds” mode, quick automatic shifting is carried out.

**“M” mode**

Move the mode select switch to the “M” position.
1. Press the (left) key to shift upward.
   - Each time the key is pressed, shifting is carried out one gear at a time up to 4th gear.
   - If the key is pressed continuously, 2-gear shifting is possible.
   - Once the key appears in the digital display, no further upshifting is possible.
2. Press the (right) key to shift downward.
   - Each time the key is pressed, shifting is carried out one gear at a time down to 1st gear.
   - If the key is pressed continuously, 2-gear shifting is possible.
   - Once the key appears in the digital display, no further downshifting is possible.

Replacing the battery

1. Use a Phillips screwdriver to remove the four battery cover fixing screws, and then open the battery cover.
2. Insert the new lithium battery (CR-P2), making sure that its polarity is correct.
3. After inserting the battery, close the battery cover and tighten the battery cover fixing screws.

Troubleshooting chart

**Automatic gear shifting is not possible (manual gear shifting is possible)**
- Is the mode select switch at the “D” or “Ds” position?
  - Move it correctly to “D” or “Ds”.
- Does the speed display appear while riding the bicycle?
  - Re-install the speed sensor and magnet correctly.

If the above remedies do not solve the problem:
- Replace the speed sensor.
- Replace the operating panel.

**Manual gear shifting is not possible (automatic gear shifting is possible)**
- Is the mode select switch at the “M” position?
  - Move it correctly to “M”.

If the above remedies do not solve the problem:
- Replace the operating panel.

**Both automatic and manual gear shifting are not possible**
- Does the buzzer sound when the mode select switch is moved?
  - If the buzzer does not sound, replace the operating panel.
- If the buzzer does sound, replace the hub internal assembly.

Digital display

**Gear shifting can be carried out, but the digital display is flashing**
- The battery is nearly depleted. Replace the battery with a new one as soon as possible.

**During automatic gear shifting, the speed indicated on the digital display is different from other times**
- This is not the sign of a problem. The controller calculates the optimum gear shifting position for each automatic gear shifting should occur.

**Nothing appears in the digital display**
- Release cannot sleep mode. (Press the or key, move the mode select switch, or move the bicycle.)
  - Insert the battery correctly.
  - Replace with a new battery.
  - Securely fasten the connector fixing screws.
  - Replace the cable at the operating panel side.

If the above remedies do not solve the problem:
- Replace the operating panel.

**Automatic gear shifting occurs even though the digital display is switched off**
- Replace the cable at the operating panel side.
- Replace the operating panel.

**If the buzzer or appears in the digital display**
- The buzzer or appears in the digital display, no further downshifting is possible.

If the above remedies do not solve the problem:
- Replace the operating panel.

**If this is not done, incorrect operations such as unwanted gear shifting may occur while riding, and this might lead to your foot coming off the pedals and the bicycle falling over.**

**Be sure to follow the following when using the Auto-D. If this is not done, incorrect operations such as unwanted gear shifting may occur while riding, and this might lead to your foot coming off the pedals and the bicycle falling over.**

1. Check that the motor unit and the connector are securely installed with the connector fixing bolts so that there is no gap between them.
2. Check that the motor unit cable does not come into contact with parts such as the chain or the wheel, and that there are no other places where the cable may become damaged.

**Important: Be careful not to pay excessive attention to the computer data while riding, otherwise you might have an accident.**

**Names and Functions of Panel and Display Parts**

- The LED illuminates red when shifting gears. A beep also sounds.
- The LED illuminates red and a beep sounds.
- The speed display changes to the gear shifting display, which consists of [ ] and a number. The LED also illuminates red and a beep sounds.

**Operation keys**

1. Operation keys
   - The connector fixing bolts should be securely tightened.
   - Motor unit cable
     - The cable should be routed so that it is not loose and does not come into contact with parts such as the chain and wheel.

**Service Instructions**

**SE-4S35/AI-4S35**

**Operating Panel Battery Box**

**Before use, read these instructions carefully, and follow them for correct use.**

**NOTE**

- The CPU in the battery box switches to sleep mode if the bicycle is stationary for 2 minutes or more. During this time, nothing appears on the display. If the mode select switch is moved, the operation keys are pressed, or if the bicycle is moved, the CPU will start operating again.
- If the speed display or gear shifting display on the digital display starts flashing (when in “M” mode), it means that the battery inside the battery box is nearly depleted. Replace the battery with a new one (CR-P2 lithium battery) as soon as possible.
- If the system does display the warning in the digital display, replace the battery.
- Replace the battery box.
- Replace the speed sensor.
- Replace the operating panel.
- Replace the battery box.