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**SHIMANO Y7EA02000**

# SHIMANO SM-PCE1 USB Cable Instruction Manual

Model: Y7EA02000

## 1. Introduction

The SHIMANO SM-PCE1 USB Cable is an essential accessory designed for seamless connectivity and diagnostics of your SHIMANO Di2 electronic shifting system. This cable facilitates firmware updates, system diagnostics, and calibration, ensuring optimal performance and maintenance efficiency for your bicycle's electronic components.

## 2. Setup

Follow these steps to connect the SM-PCE1 USB Cable to your Di2 system and computer:

1. **Install Required Software:** Before connecting the cable, ensure you have the latest version of the SHIMANO E-Tube Project software installed on your computer. This software is necessary for system diagnostics, firmware updates, and customization.
2. **Connect to Di2 System:** Locate the diagnostic port on your Di2 system. This is typically found on the junction box (e.g., SM-EW90-A/B or EW-RS910). Connect the mini-USB end of the SM-PCE1 cable to this port.
3. **Connect to Computer:** Connect the standard USB-A end of the SM-PCE1 cable to an available USB port on your computer.
4. **Launch E-Tube Project:** Open the SHIMANO E-Tube Project software. The software should automatically detect the connected Di2 system.

*Note: Ensure your computer's operating system is up to date and that no other applications are interfering with the USB connection.*

## 3. Operating

Once connected and recognized by the E-Tube Project software, the SM-PCE1 USB Cable enables various functions:

- **Firmware Updates:** The software will notify you if new firmware is available for your Di2 components. Follow the on-screen instructions to update firmware, which can improve performance and add new features.
- **System Diagnostics:** Use the diagnostic tools within E-Tube Project to check the status of each Di2 component, identify any errors, and view battery levels. This helps in troubleshooting and preventative maintenance.

- **Customization and Calibration:** Adjust shifting speed, button functions, and perform gear position calibration through the software. This allows for personalized setup and fine-tuning of your shifting system.
- **Error Code Reading:** If an error occurs in the Di2 system, the software can read and display specific error codes, aiding in precise problem identification.

Always refer to the SHIMANO E-Tube Project software's help documentation for detailed instructions on specific operations.

## 4. Maintenance

To ensure the longevity and reliable performance of your SM-PCE1 USB Cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a clean, dry place away from direct sunlight and extreme temperatures. Avoid kinking or tightly coiling the cable.
- **Cleaning:** If the cable becomes dirty, gently wipe it with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure connectors are dry before use.
- **Handling:** Always grasp the connector ends when plugging or unplugging the cable. Avoid pulling on the cable itself, as this can damage the internal wires.
- **Inspection:** Periodically inspect the cable and connectors for any signs of wear, fraying, or damage. If damage is observed, discontinue use and replace the cable.

## 5. Troubleshooting

If you encounter issues while using the SM-PCE1 USB Cable, consider the following troubleshooting steps:

- **Cable Not Recognized:**
  - Ensure the cable is securely connected to both the Di2 system and the computer.
  - Try a different USB port on your computer.
  - Restart your computer and the E-Tube Project software.
  - Verify that the E-Tube Project software is the latest version.
  - Check your computer's device manager to see if the USB device is listed without errors.
- **Firmware Update Failure:**
  - Ensure a stable power supply to your computer and Di2 system during the update process.
  - Do not disconnect the cable or close the software during an update.
  - If the update fails, try again after restarting the software and ensuring all connections are secure.
- **Intermittent Connection:**
  - Inspect the cable for any physical damage.
  - Ensure the connectors are clean and free of debris.
  - Avoid placing the cable near sources of electromagnetic interference.

If problems persist, consult the SHIMANO E-Tube Project software's help section or contact SHIMANO customer support.

## 6. Specifications

| | |
|---|---|
| **Brand** | SHIMANO |

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|---|---|
| **Model Name** | Di2 PC Linkage Device and System Checker Parts |
| **Item Model Number** | Y7EA02000 |
| **Connector Type** | USB-A to USB-Mini |
| **Cable Type** | USB |
| **Compatible Devices** | SHIMANO Di2 Electronic Shifting Systems |
| **Item Length** | 9 Inches |
| **Item Weight** | 1.12 ounces (approx. 0.07 Pounds) |
| **UPC** | 689228781191 |

## 7. Warranty Information

SHIMANO products are manufactured to high standards and are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official SHIMANO website or contact SHIMANO customer service. Keep your proof of purchase for warranty claims.

## 8. Support

For further assistance, technical support, or to download the latest E-Tube Project software and manuals, please visit the official SHIMANO website:
https://bike.shimano.com/
You may also contact SHIMANO customer service directly through the contact information provided on their website.

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