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PCsensor FS221-PRO

PCsensor USB Foot Pedal FS221-PRO Instruction Manual

Model: FS221-PRO

1. INTRODUCTION

The PCsensor USB Foot Pedal FS221-PRO is a programmable single-switch foot control device designed to enhance efficiency and provide hands-free operation for various computer tasks. It functions as a customizable input device, capable of emulating keyboard keys, mouse clicks, multimedia controls, and string functions. This manual provides detailed instructions for setup, programming, operation, and maintenance of your FS221-PRO foot pedal.



Image 1: The PCsensor USB Foot Pedal FS221-PRO, showing the main unit and its attached USB cable.

2. PRODUCT FEATURES

- **Programmable Functionality:** Configurable via software to act as a keyboard key, mouse button, multimedia control, game command, or custom string function.
- **Durable Construction:** Features a wide pedal and robust plastic build, designed to withstand up to 220 pounds of pressure, ensuring long-lasting comfort and reliability.
- **Sensitive Switches:** Equipped with durable, sensitive switches for responsive and consistent operation.
- **Built-in Anti-interference Chip:** Enhances signal stability and prevents interference, ensuring reliable performance.
- **Cross-Platform Compatibility:** Once programmed on a Windows or Mac system, the configuration is stored on the device, allowing it to function on Linux, Mac, and Android systems without additional software.
- **Integrated Design:** In-mold injection improves water resistance and simplifies the internal structure for flexible response.

Built-in chip

Anti-interference bulit-in control chip,improve the interference of the switch



Image 2: An internal view of the foot pedal highlighting the built-in anti-interference control chip.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x PCsensor USB Foot Pedal (FS221-PRO)
- 1 x USB Cable (integrated)

4. SETUP

1. **Connect the Pedal:** Plug the USB cable of the FS221-PRO foot pedal into an available USB port on your computer (PC or Mac).
2. **System Recognition:** Your operating system should automatically detect and install the necessary drivers for the device. This process typically takes a few moments. The pedal will be recognized as a standard HID (Human Interface Device).
3. **Initial Functionality:** Out of the box, the pedal may have a default function (e.g., a common key press). To customize its function, proceed to the "Software Installation and Configuration" section.



Image 3: The PCsensor foot pedal positioned under a desk, connected to a computer setup.

5. SOFTWARE INSTALLATION AND CONFIGURATION

To program the FS221-PRO foot pedal, you need to install the dedicated configuration software. This software is compatible with Windows and Mac operating systems.

- 1. Download Software:** Visit the official PCsensor website (e.g., www.pcsensor.com) and navigate to the support or download section for the FS221-PRO model. Download the latest version of the configuration software for your operating system (Windows or Mac).
- 2. Install Software:** Follow the on-screen instructions to install the software.
- 3. Launch Software:** Open the PCsensor configuration software. Ensure your foot pedal is connected to the computer.
- 4. Program Functions:**
 - Within the software interface, you will find options to assign various functions to the foot pedal.

- You can program it for a single key press (e.g., 'Spacebar', 'Enter'), a key combination (e.g., 'Ctrl+C', 'Alt+Tab'), hotkeys, shortcut keys, multimedia controls (e.g., pause, forward, backward, volume up/down), or even a custom string of text.
- Select the desired function from the available options and apply it to the pedal.

5. **Save Configuration:** After programming, save the configuration. The settings are stored directly onto the foot pedal's internal memory. This means you can disconnect the pedal and use it on other compatible operating systems (Linux, Mac, Android) without needing to reinstall the software or reconfigure it.

6. **Exit Software:** Once configured, you can close the software. It is not required to run in the background for the pedal to function with its programmed settings.

6. OPERATING INSTRUCTIONS

Once programmed, using the PCsensor FS221-PRO foot pedal is straightforward:

- **Placement:** Position the foot pedal comfortably on the floor where you can easily access it with your foot. The anti-slip TPU rubbers on the base ensure it stays in place during use.
- **Activation:** Gently press down on the pedal with your foot to activate the programmed function. The sensitive switch provides clear tactile feedback.
- **Hands-Free Operation:** Utilize the pedal to execute commands without removing your hands from the keyboard or mouse, improving workflow and reducing strain.

Anti-slip TPU rubbers to ensure foot pedal stick where it stays.



The frame can disperse pressure and improve load-bearing capacity

Image 4: The underside of the foot pedal, illustrating the anti-slip TPU rubbers and the pressure-dispersing frame design.

7. APPLICATIONS

The versatility of the FS221-PRO foot pedal allows for its use in various scenarios:

- **Office Work:** Ideal for shortcuts, page turning in documents or presentations, and hands-free data entry.
- **Video Games:** Assign complex macros or frequently used in-game actions for quicker response times.
- **Multimedia Control:** Easily control playback, volume, or track changes in music and video players.
- **Medical Equipment:** Useful for hands-free image capture or control in medical imaging applications.

- **Transcription:** Control audio playback (play, pause, rewind) while keeping hands on the keyboard.



Multimedia

Plug and play, Volume ±, page turner



Keyboard

Can be programmed to any keys, hotkeys or shortcut keys.



Vedio Games

One click combo, carry all.



String Function Mouse Function

Can be edited as frequently used texts.



Medical Equipment image collection

Capture images with a gentle tap by your foot

Image 5: A visual representation of the diverse applications for the foot pedal, including keyboard functions, multimedia control, video games, string/mouse functions, and medical equipment use.

8. MAINTENANCE

To ensure the longevity and optimal performance of your foot pedal:

- **Cleaning:** Wipe the pedal surface with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the pedal in a clean, dry environment when not in use.
- **Handling:** While durable, avoid excessive force or dropping the device to prevent damage to internal components.

9. TROUBLESHOOTING

If you encounter issues with your FS221-PRO foot pedal, refer to the following common solutions:

- **Pedal Not Recognized:**

- Ensure the USB cable is securely plugged into a working USB port.
- Try connecting the pedal to a different USB port or another computer to rule out port issues.
- Restart your computer.

- **Pedal Not Responding After Programming:**

- Verify that the configuration was successfully saved to the device using the PCsensor software.
- Ensure the software was closed after saving the configuration.
- If using on a non-Windows/Mac system, confirm it was programmed on a compatible OS first.

- **Incorrect Function:**

- Reconnect the pedal to a Windows or Mac computer and re-open the configuration software to verify or re-program the desired function.

If these steps do not resolve the issue, please contact PCsensor customer support.

10. SPECIFICATIONS

Brand	PCsensor
Model	FS221-PRO
Connectivity	USB
Material	Plastic
Dimensions (L x W x H)	10.1 x 5.8 x 4.4 cm (4.0 x 2.3 x 1.7 inches)
Weight	132 g (0.29 lbs)
Compatible OS for Configuration	Windows 10, Mac OS
Compatible OS for Use	Windows, Mac, Linux, Android
Special Features	Programmable, Hotkeys, Media Keys, Anti-slip base

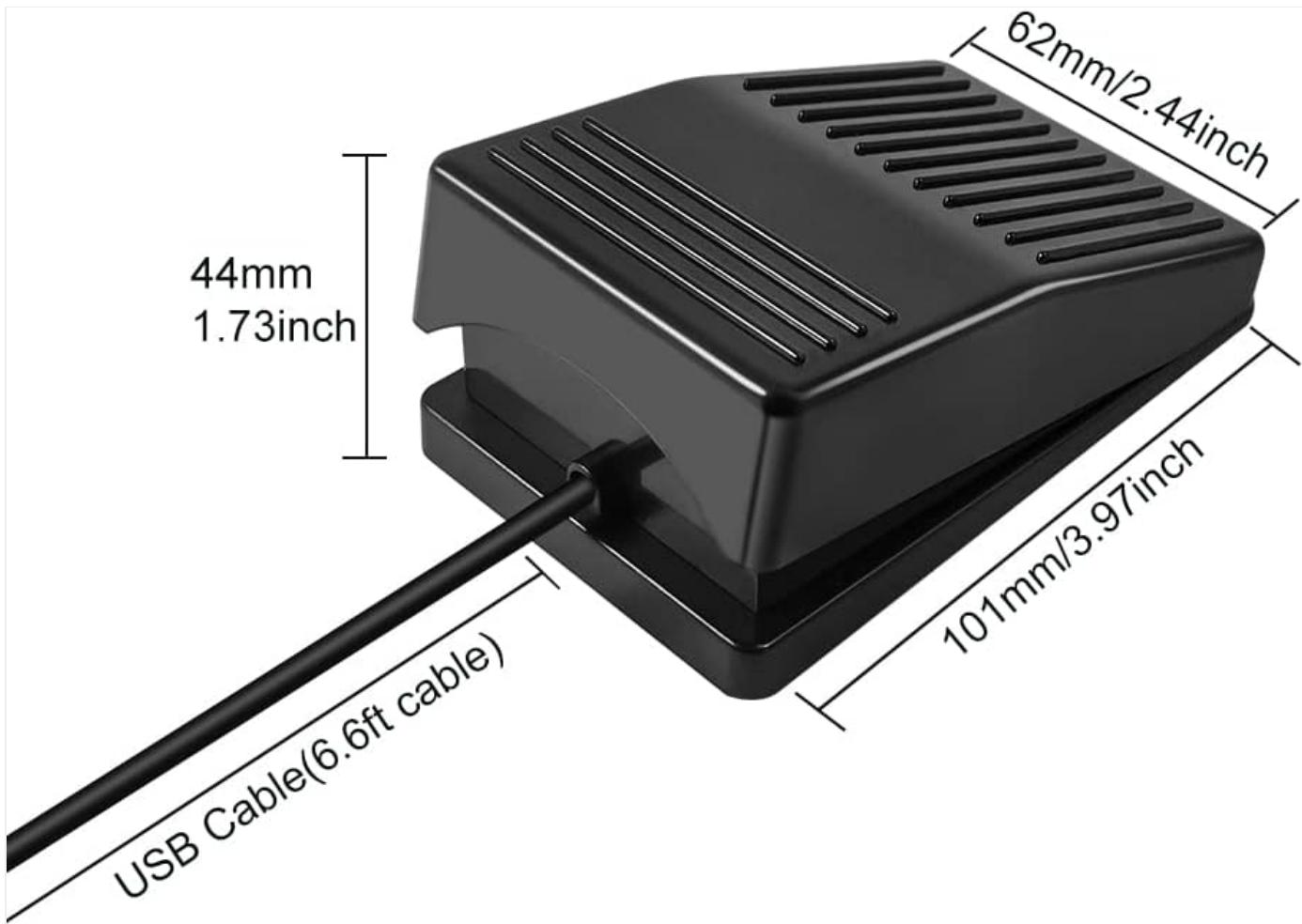


Image 6: Detailed dimensions of the PCsensor USB Foot Pedal, showing length, width, and height in millimeters and inches.

11. WARRANTY AND SUPPORT

PCsensor is committed to providing high-quality products and customer satisfaction.

- **Technical Support:** PCsensor offers lifetime technical support for the FS221-PRO foot pedal. For assistance, please contact our 24/7 service team.
- **Certifications:** This product has obtained FCC, CE, and ROSH certifications, ensuring compliance with relevant safety and environmental standards.
- **Contact Information:** For support, visit the official PCsensor website or refer to the contact details provided with your product packaging.

