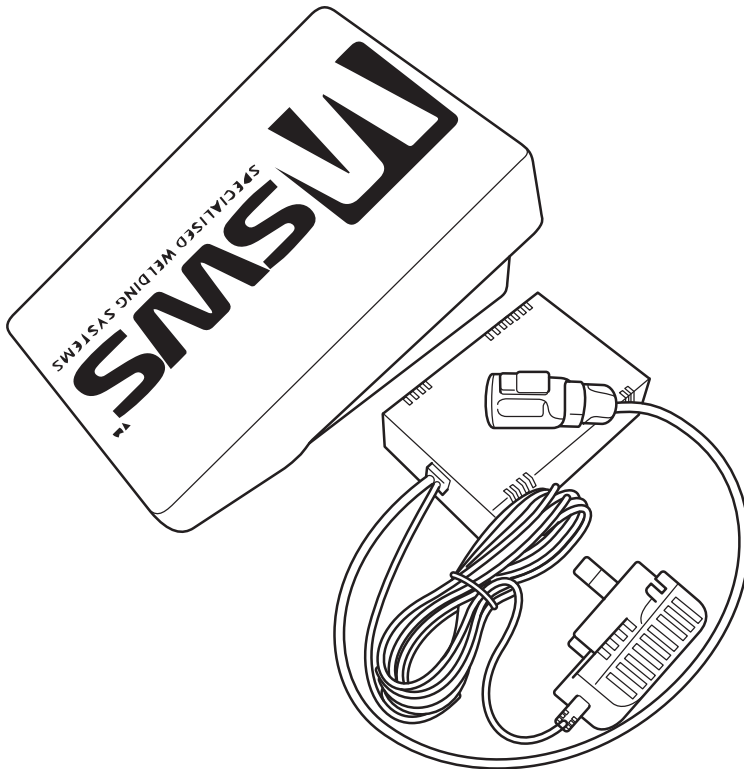




SWS WIRELESS FOOT PEDAL



USER MANUAL

Introduction to SWS Wireless foot pedal

Designed and manufactured in Australia, the **SWS Wireless Foot Pedal** provides reliable, precise control without the need for cables. Compatible with a wide range of **TIG welding machines**, it's a practical upgrade for welders who value mobility and simplicity.

Battery & Power

- **Battery Type:** Rechargeable Lithium-Ion
- **Capacity:** 6000 mAh
- **Nominal Voltage:** 3.7V
- **Full Charge Voltage:** 4.2V
- **Battery Runtime:** Up to 600 hours on a single charge
- **Charging Method:** Constant Current / Constant Voltage (CC/CV)
- **Charging Time:** ~4–6 hours (with standard 5V USB charger)

Charging Interface

- **Charging Port:** USB-C
- **Compatible With:**
 - USB-A to USB-C cables
 - Standard 5V USB power adapters
 - USB ports on laptops, PCs, and power banks
- **Input Voltage:** 5V DC only
- **Input Current Limit:** Up to 1.5A (auto-negotiated)
- **Fast charging (e.g. 9V/12V) is not supported**

Wireless Communication

- **Technology:** Bluetooth Low Energy (BLE)
- **Frequency Band:** 2.4 GHz ISM band (2402 – 2480 MHz)
- **Range:**
 - Up to 25 meters in open environments
- **Compatibility:** Works exclusively with the included SWS Wireless Receiver

Bluetooth in Industrial Environments

- BLE uses **adaptive frequency hopping** to avoid interference from:
 - Wi-Fi routers
 - Welding equipment
 - Other 2.4 GHz devices
- For best results:
 - Avoid placing large metal objects directly between the pedal and receiver
 - Maintain line-of-sight where possible

Status Indicators

- **Red LED:** Charging
- **Green LED:** Fully charged
- **(Blinking RED):** Low battery
- **Blue LED:** Connected
- **(Blinking Blue):** Waiting for connection

Features

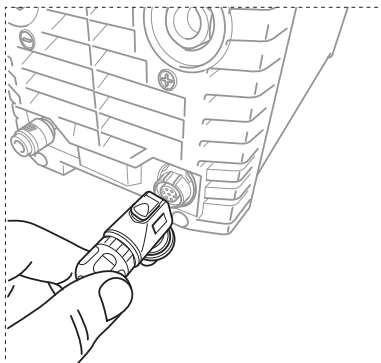
- Fully wireless control for TIG welding
- Long-lasting battery life for extended use
- Smooth, linear control via Hall-effect sensor
- Automatic sleep mode after inactivity
- Rugged, impact-resistant enclosure
- Designed and built by **Specialised Welding Systems (SWS)** in Australia

What's Included

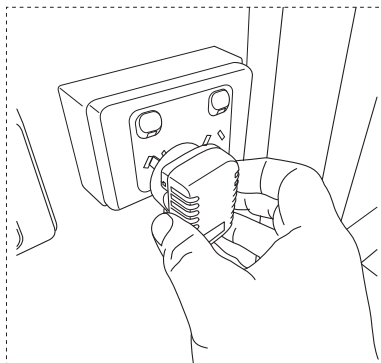
- 1x SWS Wireless TIG Foot Pedal
- 1x Wireless Receiver Module
- 1x USB-A to USB-C Charging Cable
- 1x **230V USB Wall Adapter (AU Plug, 5V Output)**
- 1x Quick Start Guide

Connect the Receiver:

With the machine powered off, plug the receiver into the switch connector.

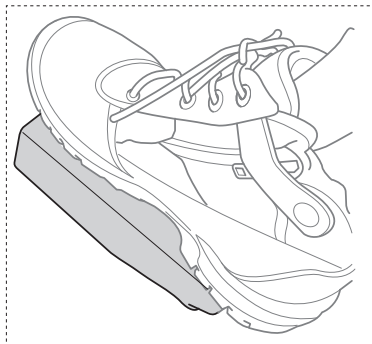


Power the receiver using the wall plug adapter.



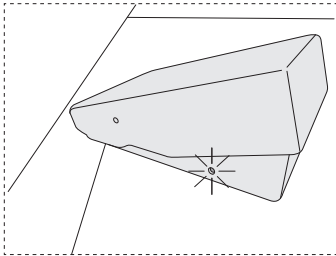
Power On the Pedal:

Push the pedal down for 3 seconds to power on and the LED indicator will start to flash. The pedal will stay on for 1 hour after turning on and if not being used auto off after 1 hour. If in use the pedal will remain on.



Automatic Pairing:

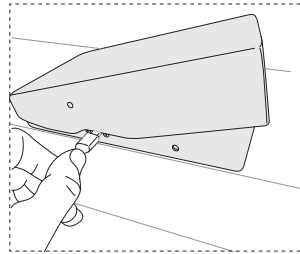
The pedal and receiver will automatically pair and the indicator LED will turn blue.



Once paired, select TIG Welding Mode on your machine.

Charging & Power Management

Use any USB adapter and USB-C cable to charge the pedal.



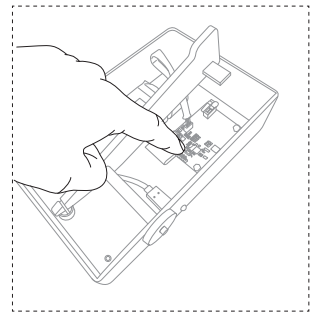
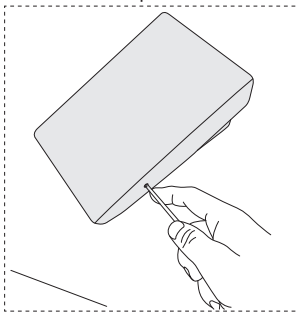
Troubleshooting

Pedal Not Pairing?

1. Distance may be too far from the machine.
2. Turn the receiver off and on again by the wall plug.

Pedal Not Responding?

1. Remove the pedal's top cover by pressing the stainless steel pins on either side.
2. Press SW1 to reset the pedal.



Warranty & Support

This wireless foot pedal includes a 2-year limited warranty covering manufacturing defects and hardware failures under normal use.

If you experience issues with your foot pedal or require technical assistance, please contact our support team:

Email: support@swwelding.com.au

Phone: +61 3 5766 2331

Website: www.swwelding.com.au