



W&C Power+ Parallel Box

Suits W&C Inverter Generators and Portable Power Stations

WC-PARALLELBOX • 813692



1. Introduction

Congratulations for purchasing a Welling & Crossley Power+ Parallel Box.

The Power+ Parallel Box is a passive parallel connection box that allows two W&C inverter generators, two W&C portable power stations, or one of each, to operate together in parallel and supply a single, larger combined power output through the two 32A outlets.

The Power+ Parallel Box itself contains no control electronics. Parallel load-sharing and synchronisation are managed by the inverter and battery management systems built into the connected W&C products.

It is this inbuilt intelligence that allows W&C products of different sizes and types to be paired together - something conventional parallel kits, which require two identical generators, cannot do.



Products operating in parallel deliver approximately 90% of their combined rated output.



Always read and follow the owner's manuals of both connected products in addition to this manual.

2. Disclaimer



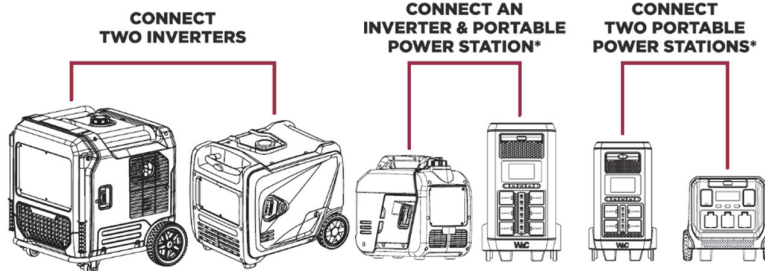
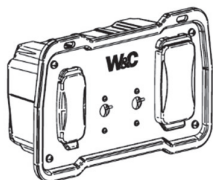
Please read this manual before using your Power+ Parallel Box. It's important to understand how to use the product safely and as intended. Incorrect use may lead to injury, damage to the product, or property loss. By using this product, you agree that you understand and accept the information provided in this manual.

You're responsible for using the product in line with local laws and safety guidelines. The supplier is not liable for any issues caused by improper use or unauthorised modifications.

For the latest updates and support information, please visit our website. If you have any questions, contact our customer support team at www.whiteint.com.au or www.whiteint.co.nz.

**POWER+
PARALLEL
BOX**

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4. Warning Symbols

	Warning - Electrical safety.
	Danger – Potential consequences of use outside of intended application(s). Includes environmental condition warnings.
	Warning / Caution - Indicates a hazardous situation which, if not strictly complied with, may result in property damage.
	Read carefully. This important information will simplify operation and aid understanding.

5. Warnings (Specific Warnings)

	Read the manual carefully before starting. DO NOT operate this unit until you have read ALL safety, operation, and maintenance instructions.
	The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product but must be supplied by the operator.
	Failure to follow the instructions may result in property damage, INJURY or DEATH.
	This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

6. Cleaning and Storage

Care must be taken not to get the Power+ Parallel Box wet. To clean, gently wipe with a dry, soft, clean cloth or paper towel.

Before storage, disconnect all cables, refit any outlet covers, and place in a dry, ventilated place at room temperature, out of the reach of children.



Never place it near a water source or where there is a risk of getting wet.

7. What's in the Box

- 1 × W&C Smart Parallel Hub with cables
- 4 × male parallel connectors (adaptors)
- 4 × female parallel connectors (adaptors)
- 2 x 32A round pin plug.



Carefully remove the product from its packaging and confirm all items are present. If any item is missing or damaged, do not use the product - contact your place of purchase.

8. Product Specifications

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Electrical

Rated Voltage / Frequency	240V AC, 50Hz, single phase
AC Outlets (×2)	32A IP66 single-phase outlets
Circuit Protection	2 × 32A circuit breakers (one per outlet)
Maximum Output per Outlet	32A (7,360W @ 230V / 7680W @ 240V)
Maximum Combined Throughput	Limited to approx. 90% of the combined RATED output of the connected products

Compatibility

Portable Power Stations	WC-BG2000, WC-BG3600, WC-BG5500
Petrol Inverter Generators	WC-P3200SI, WC-P6000SI, WC-P9000SI, WC-P11250I
Pairing	Any two listed products: same model, different sizes, or hybrid (power station + generator)

Dimensions & Environment

Product Dimensions	300 wide x 185 high x 140 deep Excluding cable and glands
Net Weight	Nominal 2.6kg
Ingress Protection (enclosure)	Not rated. The Power+ Parallel Box must be kept dry and protected from rain, moisture, and wet ground at all times



The Power+ Parallel Box is compatible with the W&C products listed above only. Never connect a conventional (non-inverter) generator, a generator or power station of another brand, or any W&C product not listed above.



9. Safety Instructions

Please take a moment to read these guidelines. They're here to help you use your Power+ Parallel Box safely and avoid damage to the unit, your energy source or your property.

General Safety

- Set up and use only on a firm, flat, level, dry, well-ventilated surface.
- Do not use the product in wet or humid environments. Do not expose the Parallel Box, its cables, or its connectors to rain, moisture, wet ground, or mud.
- Inspect the Box, cables, adaptors, and both connected products thoroughly before each use. Do not use if damaged.
- Keep children and pets away from the Box, especially while it is operating.

Electrical Safety

- Never connect AC mains power to the Box or its outlets. This will cause damage to the Parallel Box and the connected products and will not be covered under warranty.
- Never connect or disconnect any cables, or adaptors while any product is running. Both products must be switched off and all electrical loads disconnected first.
- Fully insert all connectors. Never remove, bend, or modify any pins or terminals. Do not use excessive force to make connections.
- Never touch any electrically energised parts of the Parallel Box, any connected products, or the interconnecting cables.
- **Never leave connecting leads attached to the Hub with the other end disconnected - exposed connector pins may be live.**
- Never attempt to disassemble or modify the unit. Any fixed wiring or permanent installation work must be carried out by suitably qualified personnel in accordance with AS/NZS 3000 (the Wiring Rules).
- Do not exceed 32A per outlet, and do not exceed the combined rated output of the connected products. Remember to factor in motor starting surge loading.



Set-up

- Connect only the compatible **W&C products** listed in Section 8, fitted with the parallel function.
- Do not run the cables through doorways or through holes in ceilings, walls, or floors. Do not drive over, drag, walk on, or place objects on the cables.

Generator Use — Carbon Monoxide Hazard

- **Generator exhaust contains carbon monoxide, a poison you cannot see or smell. Using a generator indoors CAN KILL YOU IN MINUTES.**
- Never operate a generator indoors or in a partly enclosed space, including garages, basements, and sheds — even if doors and windows are open.
- Operate generators outdoors only, far away from windows, doors, and vents. If you feel sick, dizzy, or weak while a generator is running, get to fresh air immediately.

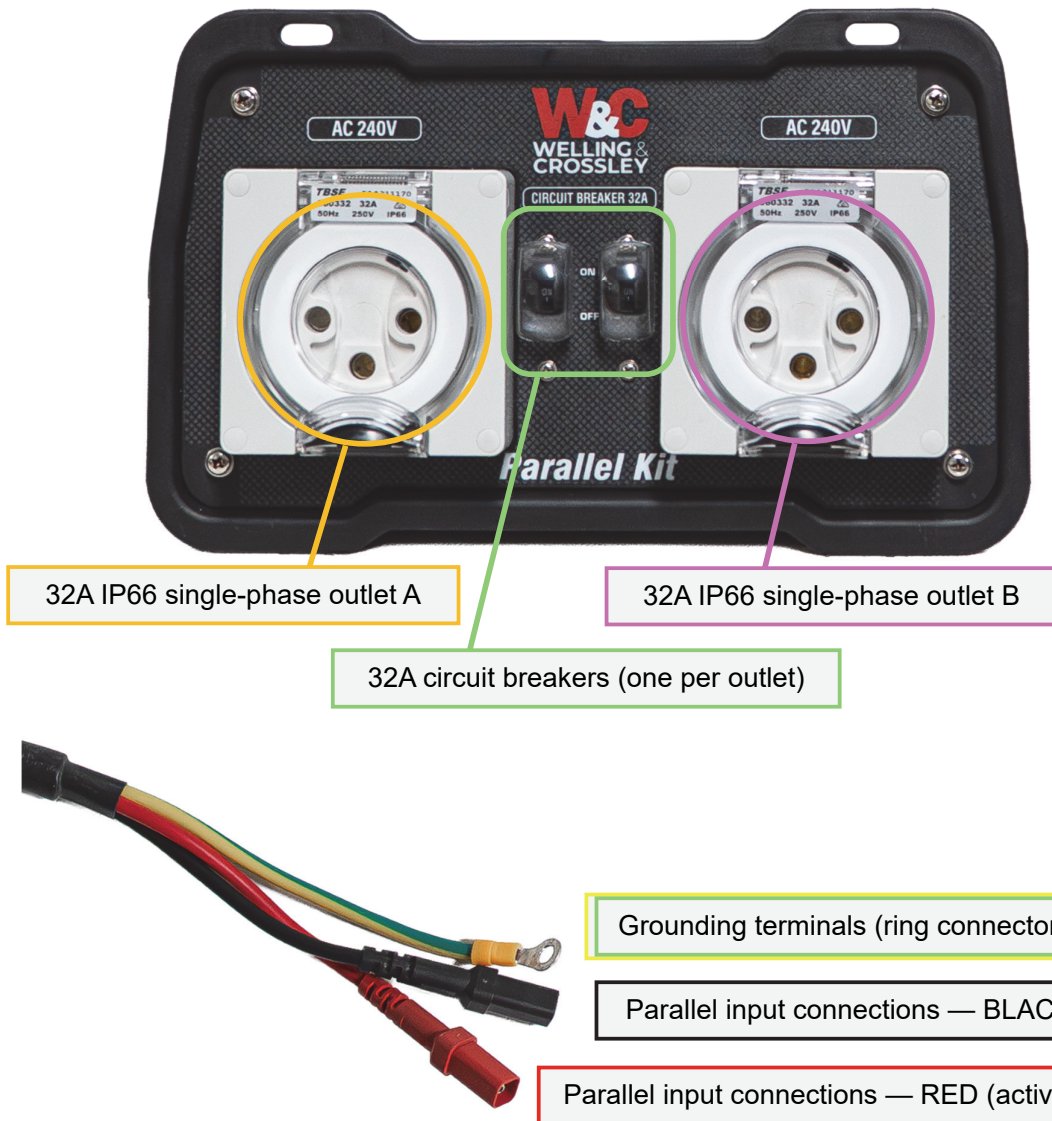


Disposal

- **Do not dispose of the unit in general waste.**
- Dispose of the product and its packaging in accordance with local environmental regulations.



10. Product layout



11. Before Starting

- The W&C Power+ Parallel Box, is compatible only with W&C **Inverter** type generators.
- The total output from the W&C Power+ Parallel Box is a function of the combined rated wattage of the connected products.

Even if the potential power from the 2 connected devices exceeds 2 x 32A, the total load the W&C Power+ Parallel Box can supply is 32A per outlet - limited by the circuit breakers.

Before Starting cont.

Pre-inspection

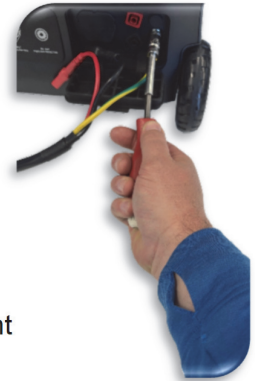
- Inspect the W&C Power+ Parallel Box (**hereafter referred to as the Unit, or The Box**), cables, adaptors, and both power supply products for damaged, loose, or missing parts. If any problem is found, do not use the equipment until it is properly repaired.
- Perform pre-start checks in accordance with the generator's owner's manual. Add fuel and oil to generators as necessary

Connection



At all times, treat wiring as if it were live.

1. Position all products on a firm, flat, level, dry surface, a minimum of 500 mm apart to allow sufficient airflow for cooling.
2. Ensure both products are switched **OFF** and all electrical loads are disconnected.
3. Place the Hub on dry ground between the products, or tie it to one of the two products.
4. *Male/Female adaptors (supplied) may be required to suit the parallel outlets of older connected products. In most cases, these adaptors are not required.*
5. Always connect the ground connectors first. Connect the ring terminals to the grounding terminals on both products. Tighten the 10mm AF grounding nuts securely. A nut-driver makes this much easier.
6. Insert the **RED** connectors to the **RED** parallel outlets on both products.
7. Insert the **BLACK** connectors to the **BLACK** parallel outlets on both products
8. Confirm all connectors are fully inserted and secure before starting either product.
Ensure there is no tension of the cables or risk of snagging and inadvertent disconnection



Note: if the cables are connected incorrectly, the products will not output power.

12. How to use

2 x Inverter Generators: Starting and applying load

1. Ensure the ECO / low-idle mode position (ON or OFF) on both generators is the same. Where there is the likelihood of high inrush current or high electrical loading (greater than 80% of rated load), keep ECO / low-idle **OFF** to reduce voltage fluctuation.
2. Start the first Generator, then the second, according to the owner's manual.
3. Check that the output indicator on both products shows normal operation.
4. Connect the electrical load(s) to the Parallel Box outlets. Switching on the largest load. Allow the output to stabilise before connecting the next load, finishing with the smallest.



Appliances and equipment with an electric motor can draw 3 to 5 times their running current whenever they start. This may cause the connected products to trip their overload protection.

2 x Portable Power Stations: Starting and applying load

Once the cables are connected, turn the Portable Power Stations on and press the AC button. Only once the Pure Output 50Hz icon is displayed do the parallel outlets on the Portable Power Station become live.



Hybrid pairing: extending battery runtime

If a portable power station is under heavy load, connect it to a generator via the unit. The load will be shared between the power station and the generator, extending the power station's battery life. When the extra capacity is no longer required, shut down and disconnect the generator and return to quiet, clean power from the power station.

During use

- Do not exceed the maximum power rating of the connected products or the 32A per Parallel Box outlet maximum rating.
- Avoid overloading. Substantial overloading will trip the circuit breaker(s) or shut off the AC output. Sustained slight overloading may not trip the breaker but will lead to premature product failure.
- **NEVER connect a heavy load directly to the outlets of a product that has the Parallel Box attached - connect loads ONLY to the units**
- If one product shuts off during use, disconnect ALL loads before restarting to avoid damage.

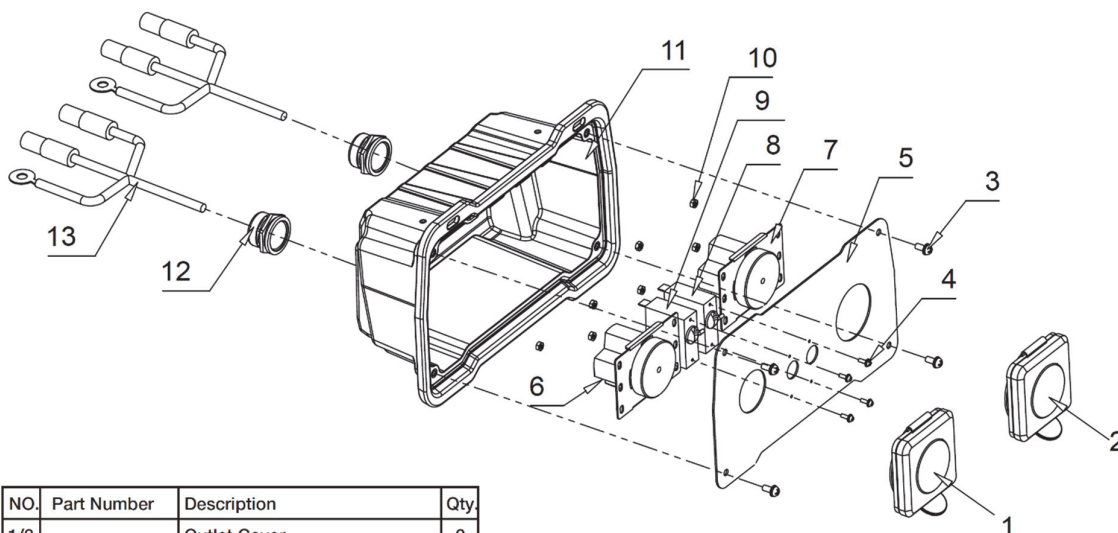
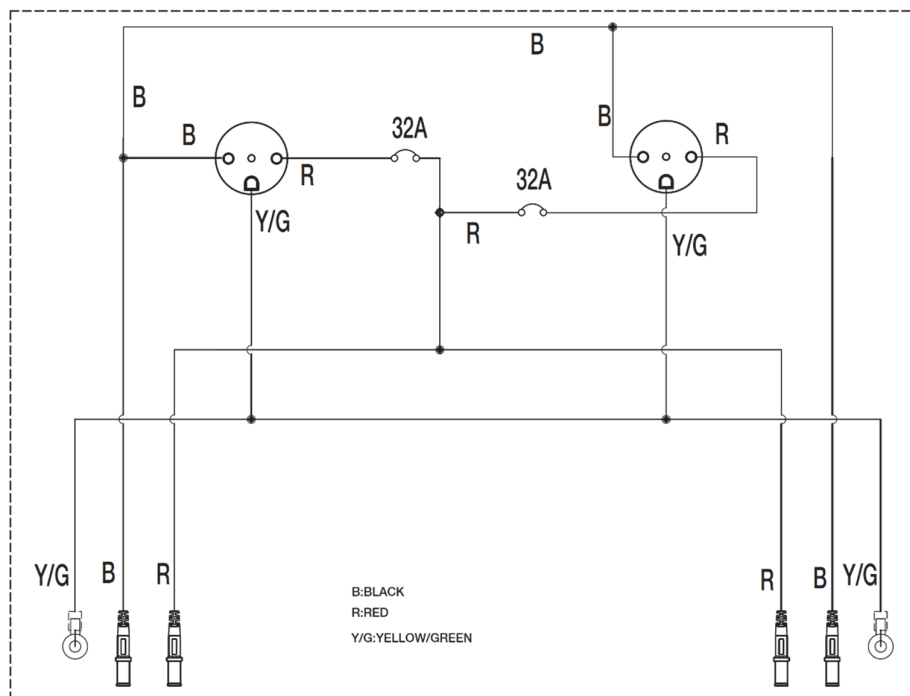


Shutting down

1. Switch off and disconnect all electrical loads from the Parallel Box and the power sources.
2. Turn off both products in accordance with their owner's manuals.
3. Disconnect the cables
 1. Positive (Red) First
 2. Negative (Black) second
 3. Finally disconnect the earth wire
4. Refit all outlet covers.



13. Wiring Diagram & Exploded View



NO.	Part Number	Description	Qty.
1/2		Outlet Cover	2
3/4		Cross plate head bolt	8
5		Parallel box panel	1
6/7		32A IP66 Outlet	2
8/9		Circuit breaker amp 32A	2
10		Hex nut	6
11		Main Housing	1
12		Cable Gland	2
13		Parallel cable	2

14. Troubleshooting

Problem	Possible Causes	Probable Solutions
No output from the unit	Connectors not fully inserted, or connected incorrectly (red/black reversed)	Switch off both products, check all connections are correct and fully inserted, then restart.
	Circuit breaker tripped	Switch off and disconnect all loads, reset the circuit breaker, reconnect, and restart.
	Hub requires service	Contact your place of purchase or an authorised service agent.
Overload indicator flashes or breaker trips	Rated load capacity exceeded	Reduce the number of connected loads to stay within the rated capacity. Switch on the largest load first.
One product shuts off during use	Overload, low fuel, or depleted battery	Disconnect all loads before restarting. Refuel or recharge in accordance with the product's owner's manual.

Connected products

If a fault cannot be traced to the Power+ Parallel Box, check the connected products: output indicator status, fuel and oil level (generators), battery state of charge (portable power stations), and ECO / low-idle mode position. Refer to the troubleshooting section of each product's owner's manual.

15. Warranty – General Understanding

Warranty applies to **manufacturing or material defects**.

The unit must be handled according to the instruction manual and must not be modified or repaired by anyone other than an authorised service agent.

Warranty is void in cases of: non-compliance with instructions including attempted repair or technical modification; use of non-original parts; physical or malicious damage; inappropriate use including industrial or continuous operation, lack of maintenance or cleaning.

All warranty claims are on a return-to-base basis and must be accompanied by all accessories, proof of purchase, proof of sale, and a clear description of the issue or observed symptoms. Installation photos will expedite the process.

A repair or exchange during the warranty period does not extend the original warranty.

This warranty applies to the original purchaser or end user only and is non-transferable.

White International is not liable for ANY costs associated with site attendance, diagnostic assessment, labour, travel, or reinstallation arising from a warranty claim. Warranty coverage is limited to the defective unit only.

16. Warranties – Terms and Conditions

This warranty applies to the W&C Power+ Parallel Box and W&C Power+ Parallel Cable supplied by White International Pty Ltd / White International NZ Ltd. This warranty is provided in addition to any rights and remedies available under the Australian Consumer Law and the Consumer Guarantees Act 1993 (NZ).



- 1)** White International Pty Ltd / White International NZ Ltd (White International) warrants that the W&C Power+ Parallel Box and W&C Power+ Parallel Cable are free from defects in workmanship and materials for a period of 1 year from the original date of purchase, unless a different warranty period is expressly stated on the product packaging or supplied documentation.
- 2)** Subject to the conditions of this warranty, White International will repair or replace a defective product, or supply an equivalent product, at its discretion, if a defect appears within the warranty period. Our warranty commences from the date of purchase of the above-mentioned products. Proof of purchase is required before any warranty claim can be assessed.
- 3)** This warranty applies only to the original purchaser and is not transferable. It applies only to genuine W&C accessories used with compatible W&C inverter generators and/or W&C portable power stations that are fitted with the required parallel connection ports and used in accordance with the supplied instructions.
- 4)** The W&C Power+ Parallel Box and Power+ Parallel Cable must only be used within the ratings and limitations stated on the product, packaging, instruction manual, and compatible connected equipment. Parallel operation does not increase the rated output of any individual outlet, GPO, lead, plug, adapter, or connected product. Do not exceed the rating marked on any outlet, cable, adapter, or connected equipment.
- 5)** This warranty excludes transportation costs to and from White International or its appointed service agents and excludes defects, damage or failures caused by incorrect installation or connection, use with non-compatible products, use with products not fitted with the required parallel connection ports, overloading, exceeding outlet or cable ratings, water ingress, impact damage, modification, unauthorised repair, neglect, misuse, or operation contrary to the supplied instructions.
- 6)** This warranty does not cover damage to connected generators, portable power stations, appliances, tools, electronic equipment or other property where the damage is caused by incorrect use, incorrect connection, overloading, non-compatible equipment, or failure to follow the supplied instructions. Nothing in this clause limits any rights that cannot be excluded under applicable consumer law.
- 7)** Some earlier W&C inverter generator shipments may not be fitted with the required parallel connection ports. Customers must confirm compatibility before use. If the connected product does not have the required parallel connection ports or is not listed as compatible, do not connect the to the above-mentioned product.
- 8)** Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. For goods purchased in Australia, you are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. For goods purchased in New Zealand, your rights under the Consumer Guarantees Act 1993 (NZ) also apply.
- 9)** To the fullest extent permitted by law, this warranty supersedes all other warranties attached to the product or its packaging, unless a different warranty is expressly stated in writing by White International.

Record your date of purchase in the space below and retain this copy for your records.

Date of Purchase _____

Model / Item Code Purchased _____



www.whiteint.com.au

www.whiteint.co.nz

Please always refer to our website for further technical information & new product innovations

Disclaimer: Every effort has been made to publish the correct information in this manual. No responsibility will be taken for errors, omissions or changes in product specifications.

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