



User Manual

AIR40 Twin Cylinder On-Board Air Compressor + Inflation Kit

Keep this user guide for future reference. Always retain your proof of purchase in case of Warranty service.
www.oricom.com.au

Tested to meet safety standards: AS/NZS 60335.1:2020+A1:2021 and
EMC compliant with EN/IEC 55014-1:2021

Need Help?

If you need assistance setting up or using your Oricom product now or in the future, call Oricom Support.

Australia	(02) 4574 8888 www.oricom.com.au Mon-Fri 8am – 6pm AEST
New Zealand	0800 67 42 66 www.oricom.co.nz Mon-Fri 10am – 8pm NZST

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Introduction

The Oricom AIR40 Twin Cylinder Air Compressor is engineered for fast, efficient, and reliable tyre inflation. With an impressive air flow rate of up to 130L/min, this compressor is designed for quick tyre inflation, even for larger 4x4 and off-road vehicles. The 40mm cylinders (bore size) deliver strong performance under load, while the washable air filter and thermally protected motor ensure long-lasting durability. This model includes a 6m hose with an NPT ¼ quick connect, 2 x 40A in-line fuses, and automatic shut-off for safe operation. Mount vertically for optimal performance, and rest easy with the 3 year warranty.

Key Features

- **Dual Cylinders (40mm Bore)** – Provides faster inflation times and increased efficiency for larger 4WD tyres.
- **High Flow Rates at Various Pressures** – Offers a consistent, high flow rate even at different pressure settings, enhancing performance and speed.
- **Air Flow Rate of 130L/min (0 PSI)** – Rapid inflation even at lower pressures, reducing downtime.
- **Thermally Protected Motor** – Prevents overheating during extended use, ensuring long-term durability.
- **Washable Air Filter** – Reduces maintenance by allowing easy cleaning and reusability.
- **Automatic Shut-Off at 120-150 PSI** – Safeguards your tyres and compressor by preventing overinflation.
- **Quick Connect NPT ¼ Connector** – Allows easy and fast hose connection without fuss.
- **Pressure Cut-Out Switch (120PSI On/160PSI Off)** – Enhances safety and ensures the compressor does not overwork, prolonging its lifespan.
- **Heavy Duty Metal Construction** – Provides durability and strength to withstand harsh conditions, making it ideal for off-road environments.
- **Max Working Pressure of 150 PSI** – Ensures reliable performance for large vehicle tyres even in demanding situations.
- **Compatible with Oricom's tyre inflator and deflator kits**
- **3 Year Warranty**

Safety Information and Warnings



Hot Surface Warning: The compressor gets extremely hot during operation. Avoid touching any working parts during or immediately after use. Always wear gloves when connecting or disconnecting the hose.

- **Release Air Pressure First:** Before installing hoses, fittings, or performing any maintenance, make sure all air pressure has been released from the system.
- **Do Not Aim at People or Animals:** Never direct compressed air at yourself, others, or pets. It can launch particles into the air, potentially causing eye, skin, or respiratory irritation.
- **Secure Mounting Required:** Always mount the compressor to a stable, solid surface before use.
- **Personal Use Only:** This compressor is intended for individual, non-commercial applications. It is not designed for commercial or industrial use.
- **Thermal Overload Protection:** The unit has a built-in thermal cut-off switch to prevent overheating. If the compressor shuts off automatically, turn off the power and allow it to cool for at least 45 minutes before restarting.
- **Temperature Affects Duty Cycle:** The duty cycle is rated at 23°C. Higher temperatures will reduce the operating time before the compressor must be rested.
- **Duty Cycle Limitations:** The compressor is rated for intermittent use over a 60-minute period. Do not exceed this cycle—continuous use may damage the unit.
- **Operate with Engine Running:** It's best to run the compressor while your vehicle engine is on. Using it with the engine off may quickly drain your battery.
- **Moisture Management:** The air produced contains moisture. If using the compressor with an onboard air tank, install a moisture trap before the tank inlet and/or fit the tank with a drain valve to prevent buildup.
- The AIR40 has a motor thermal cut out/reset and a 120psi pressure cut out switch.



When installing your AIR40 in your vehicle, check that during installation you do not damage any wiring or vehicle components that may be hidden around the mounting position. Ensure the installation does not interfere with the operation of the vehicle and meets all regulatory and safety requirements for accessories fitted to your vehicle.

For optimum performance your AIR40 needs to be installed correctly. If you are unsure about how to install your AIR40 we suggest you have your AIR40 professionally installed by a 4WD specialist or Auto electrician.

Pack contents:

- 1 x Twin Cylinder Air Compressor
- 2 x Washable Air Filters
- 1 x Switch
- 2 x Wiring Looms
- 1 x 6m Hose
- 1 x Digital Tyre Gauge
- Required Mounting Hardware

Specifications

Number of Cylinders	2
Cylinder Diameter (Bore)	40mm
Voltage	12-13.8VDC
Current Draw Under Load	62A
Current Draw No Load	35A
In line Fuse Supplied	40A
Washable Air filter	Yes
Max Working Pressure	150PSI
Duty Cycle	Working 45mins, rest 20mins
Air Flow Under Load	108L/min(40PSI)
Air Flow Rates	130L/min (0PSI) 112L/min (29PSI)
Automatic Shut-off	120-150psi pressure switch
Pressure Cutout Switch	Cuts out automatically when 120-150psi pressure reached
Motor Thermal Protection	Yes
Battery Connection	Wiring loom
Hose Length	6m
Hose Connector Type	NPT ¼ Quick Connect - check
Product Dimensions	29×24.5×12cm
Product Weight	10.2kg
Warranty	3 Years

Before Use:

Inspection:

Ensure the compressor is in good working condition, with no visible damage to the components, hose, or power cables. Check that the air filter is clean and in place.

Check Power Supply:

The Oricom AIR40 operates on a 12V DC power system. Ensure that your vehicle's battery is fully charged and capable of handling the compressor's power requirements.

Choose the Correct Mounting Location:

The AIR40 should be mounted in a stable, dry area of your vehicle where it will not be exposed to water or debris. Vertical mounting is recommended for optimal performance and space efficiency.

Accessory Installation

Screw filter housing into the relevant ports. NOTE: Hand tighten only.

Mounting Location

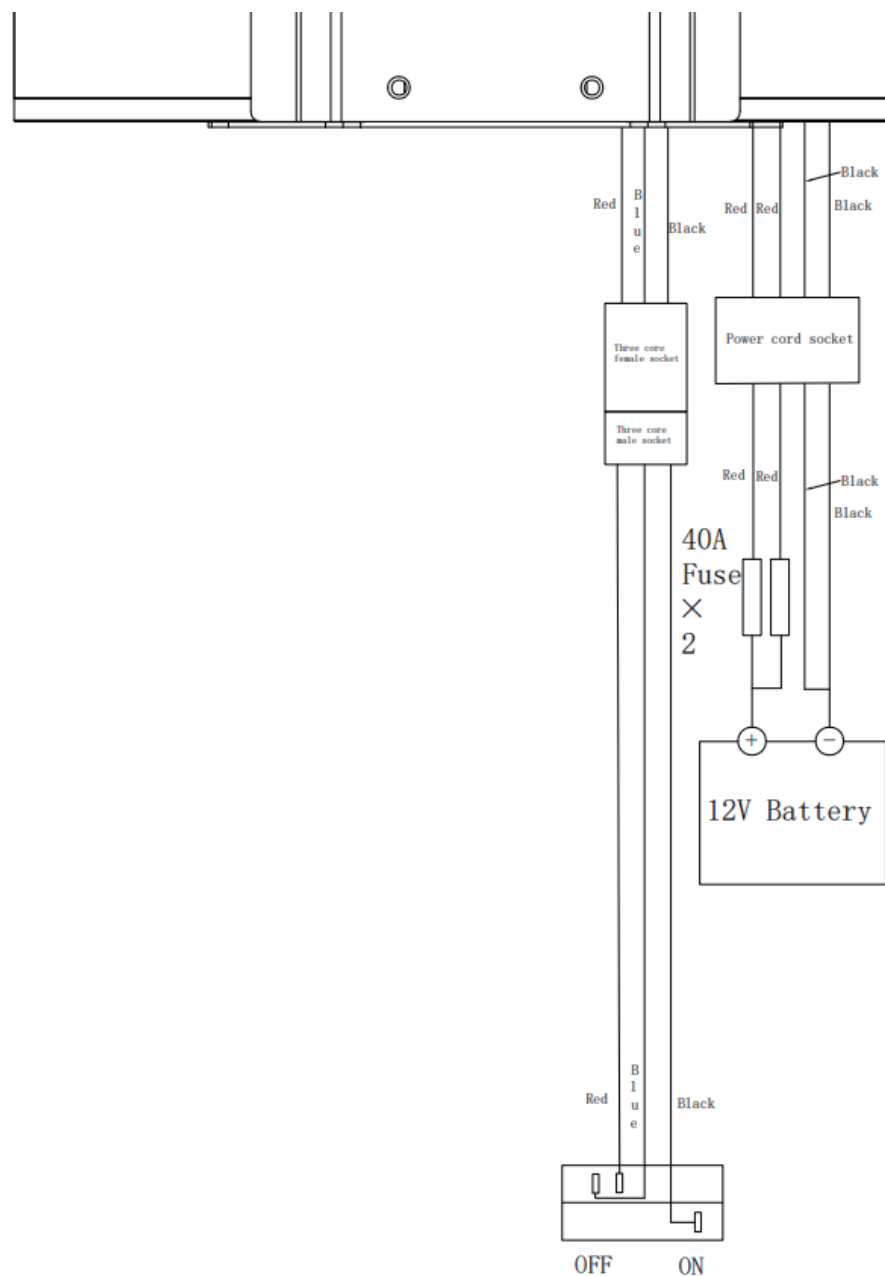
When choosing a suitable spot to install the compressor in your vehicle, take into account the following considerations:

- Ensure there is at least 10mm clearance from the air filter surface and a minimum of 15mm clearance from the compressor's fan housings.
- Avoid placing the compressor near heat sources or in direct sunlight.
- Do not mount it in areas prone to being submerged during water crossings.
- Ensure the air filter inlet can access cool, dry air.
- Allow sufficient clearance for air flow to both the air filters and the compressor's exhaust fans.
- Since the compressor heats up during use, mount it out of reach of children or pets and away from flammable materials.
- Only mount the compressor on rigid panels with a thickness of at least 10mm.

Before installation, plan the placement of the power cables routing them under the base bracket as desired

Compressor Mounting

When selecting the mounting configuration, it's important to ensure there is sufficient clearance for both the compressor components and any installed accessories. Use the provided drill templates to help determine an appropriate location.



Step-by-Step Installation:

Connect the Power Leads to the Battery:

- Connect the red wires (via the 40A inline fuses) directly to the positive terminal of your 12V vehicle battery.
- Connect the black wires to the negative terminal of the battery or to a solid vehicle ground point.

Install the Power Switch:

- Connect the power switch wiring connections to the power switch as per the diagram on page 7.
- Mount the switch in a convenient and accessible location inside the vehicle cabin or near the compressor.
- The switch wiring loom includes three wires:
 - Red (Positive Power)
 - Black (Ground/Negative)
 - Blue (Switch Signal)

Connect the Connectors to the Compressor:

- Plug the wiring connectors to the corresponding connections on the compressor. (three core socket and power cord socket)

Secure All Wiring:

- Use zip ties or conduit to secure all wires away from hot components, sharp edges, and moving parts.
- Leave enough slack at connection points for vibration and movement.

Check the Fuses:

- Ensure the two 40A inline fuses are installed correctly and securely in the fuse holders between the battery and compressor.
- Make sure your air compressor is turned off and disconnected from the power source or has its air release valve open to prevent pressure build-up.

Power On and Test:

- With all connections complete, press the ON position on the switch to activate the compressor.
- The compressor should power on and operate normally.
- Press the OFF position to shut down the unit.

Important Safety Notes:

- Always wire to a 12V power source only. Do not use with higher voltages.
- Do not operate the compressor while the engine is off —this may drain the battery.
- Ensure the compressor is mounted and wired vertically for optimal airflow and performance.

How to operate the Compressor

Prepare the Air Hose:

- Attach the NPT ¼ quick connect fitting on the end of the 6m air hose to the compressor's air outlet port.
- Check that the hose is free from kinks or blockages and that the connection is secure.
- Attach the other end of the hose to the air chuck with digital gauge.

Connect to the Tyre Valve:

- Attach the air chuck (the end of the hose that connects to the valve stem) of your digital gauge to the valve stem.
- Ensure a tight seal to prevent air leakage, if slight air leakage is present turn the chuck half turn clockwise to lock in place.

Start the Compressor:

- Turn the ON/OFF switch (if applicable) from the compressor to the ON position to begin inflation. The compressor will start immediately and begin inflating the tyre.

Monitor Inflation:

- Use the digital pressure gauge to monitor the tyre's inflation progress.
- Turn off the compressor once the tyre has reached the desired pressure.

Turn Off the Compressor:

- Disconnect the air hose from the tyre valve and the compressor. Ensure any excess air is released from the hose.

Post-Operation Care:

Inspect After Use:

- Check the compressor and air hose for any damage after use. Replace any worn or damaged components immediately.

Routine Maintenance:

- Periodically clean the air filter (if applicable) and check for any build-up of dirt or debris that could affect performance.
- Check the battery connections and ensure that there is no corrosion.

Safety Precautions:

- Never operate the compressor in an enclosed or poorly ventilated area.
- Do not leave the compressor running unattended, especially during inflation.
- Ensure the compressor does not overheat by observing the duty cycle and allowing it to rest for 10 minutes after 30 minutes of use.
- Always check the compressor for any faults before using it on multiple tyres or during extended use.

Maintenance:

- **Clean Air Filters:** Keep the air filters clean, especially when operating in dusty or dirty environments.
Clean filters as required.
- **Inspect Fasteners:** Periodically check all bolts, screws, and fittings. Tighten any loose components to maintain safe and stable operation.
- **Proper Storage:** When not in use, store the compressor in a clean, dry area to protect it from dust, moisture, and damage.

Express Warranty (Australia)

This Express Warranty is provided by Oricom International Pty Ltd ABN 46 086 116 369, Unit 1, 4 Sovereign Place, South Windsor NSW 2756, herein after referred to as “Oricom”.

Oricom warrants that the product is free from defects in materials or workmanship during the Express Warranty Period. This Express Warranty does not extend to any product from which the serial number has been removed or was purchased outside of Australia.

The benefits of this Express Warranty are in addition to other rights and remedies you may have under the Australian Consumer Law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. 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 the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. In the event of a minor failure, Oricom reserves the right to choose to repair or replace the product.

The Express Warranty Period will be a period of 3 Years beginning on the date of purchase of the product evidenced by your dated sales receipt. You are required to provide proof of purchase as a condition of receiving Express Warranty services.

You are entitled to a replacement product or repair of the product at our discretion according to the terms and conditions of this document if your product is found to be faulty within the Express Warranty Period. This Express Warranty extends to the original purchaser only and is not transferable.

Products distributed by Oricom are manufactured using new materials or new and used materials equivalent to new in performance and reliability. Spare parts may be new or equivalent to new. Spare parts are warranted to be free from defects in material or workmanship for thirty (30) days or for the remainder of the Express Warranty Period of the Oricom branded product in which they are installed, whichever is longer. During the Express Warranty Period, Oricom will where possible repair and if not replace the faulty product or part thereof. All component parts removed under this Express Warranty become the property of Oricom. In the unlikely event that your Oricom product has a recurring failure, Oricom may always, subject to the Competition and Consumer Act 2010, at its discretion, elect to provide you with a replacement product of its choosing that is at least equivalent to your product in performance.

No change to the conditions of this Express Warranty is valid unless it is made in writing and signed by an authorised representative of Oricom.

Oricom will not be liable under this Express Warranty, and to the extent permitted by law will not be liable for any defect, loss, damage or injury arising out of or in connection with a:

1. Failure by you to adhere to the warnings and follow the instructions set out in this user guide for the proper installation and use of the product;
2. Willful misconduct or deliberate misuse by you of the product;
3. Any external cause beyond our control, including but not limited to power failure, lightning or over voltage; or
4. Modification to the product or services carried out on the product by anyone other than Oricom or Oricom's authorised service provider.

How to make a claim under your Express Warranty in Australia

Oricom has a simple warranty process for you to follow:

- Please call or email our Customer Support Team, 02 4574 8888 or support@oricom.com.au.
- A Customer Support Team member will verify after troubleshooting with you if your product qualifies under warranty. If so, they will give you a Product Return Authorisation number.
- We will then email a Return Authorisation form and a Repair Notice (if necessary), together with instructions on how to return the product for warranty service.

Please note that if a Customer Support Team member advises that your product does not qualify for return, this warranty does not apply to your product. Products that are authorised to be returned to Oricom in Australia must include all of the following:

- A completed Return Authorisation form
- A copy of your Proof of Purchase (please keep your original copy)
- The faulty product, including all accessories.

Send the approved returns to:

Oricom International Pty Ltd
Locked Bag 658
South Windsor NSW 2756 Australia

Please note that this Express Warranty excludes expenses incurred by you in returning any faulty product to us. You must arrange and pay any expenses incurred (including postage, delivery, freight, transportation or insurance of the product) to return the faulty product to us, however, we will arrange delivery of the repaired or replaced faulty product to you.

Important Information

Repair Notice

Please be aware that the repair of your products may result in the loss of any user-generated data (such as stored telephone numbers, text messages and contact information). Please ensure that you have made a copy of any data saved on your product before sending for repair. Please also be aware that products presented for repair may be replaced by refurbished products or parts of the same type rather than being repaired.

ORICOM CUSTOMER SUPPORT

Oricom have a trained and dedicated team of Customer Support Representatives, each with the knowledge and resources to assist in answering your questions quickly and efficiently.

Oricom Support - Australia

For all product enquiries, troubleshooting or to discuss the range of Oricom products, feel free to contact Oricom or visit our website for answers to frequently asked questions.

(02) 4574 8888

Monday - Friday 8am – 6pm AEST

Email: support@oricom.com.au

www.oricom.com.au

Oricom Support - New Zealand

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