



○ **ALDERWOOD**

Hand Crafted Sound

CYCLOPS

MANUAL CONTENTS - CYCLOPS

Thank you for supporting Australian jobs, Alderwood products are proudly made in southwest Victoria by highly trained and skilled artisans. To ensure that this product provides you with many years of musical enjoyment please read and understand this manual before using our installing this product.


Director of Alderwood

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WARNING - Caution - VERY LOUD!

This product is capable of producing very high sound pressure levels. Care must be taken to install and operate correctly.

CYLOPS SPECS

Dimensions	34cm x 34cm x 12.5cm
Weight	10kg
Input Connection	1 meter marine grade cable, IP67 gland
Frequency Range	25-250hz
Nominal Impedance	8 Ohms
Sensitivity 1W/1M	85db
Cabinet Material	F17 Birch Ply
Beamwidth	Omnidirectional
Driver	Long stroke 10 inch with 76MM copper voice coil
Maximum cone excursion	24mm
IP Rating	IP66
Operating Temperature	-18 - 42 degrees C



RUN IN PERIOD

Before leaving the factory this speaker has been tested and measured using state of the art electrical and acoustic analysis software as well as critical listening from highly trained ears. This only accounts to a runtime of 4 hours, you can expect the speaker to run in over the first 200 hours as the rubber surround and the voice coil spider fibers soften, this is a process that cannot be hastened by playing the speaker at extreme levels. We recommend that you enjoy this time by playing your favorite albums going through different genres of music and revisit previously played songs after a while and see what new details you can notice that you haven't heard before.

INGRESS PROTECTION (IP RATING)

The Cyclops is rated IP66, which offers complete dust protection and limited water resistance including salt water. It is always recommend to install the cyclops in a position that allows water to drain out of the grill. Face the electrical cables pointing down. Also choose a mounting location that provides as much protection from UV and direct weather for the best performance and lifespan.

AMPLIFIER SETUP

The Cyclops subwoofer covers the 25-300hz range and can be powered from a wide variety of amplifiers that have adjustable crossover settings.

Recommend crossover settings for maximum volume usage

-Highpass 35hz

-Lowpass 120hz

WIRING

The Cyclops is supplied with a short length of cable designed to be soldered onto for long lasting performance in harsh outdoor environments. It is recommended to properly cover the soldered joint with glued heatshrink to keep moisture out of the joint.

We recommend speaker cable thickness of 12-16g speaker cable be used. On long cable runs up to 80 meters we recommend 12g cable be used to avoid voltage drop. In humid or salt air environments tinned copper properly sealed with heat shrink over any joints will resist corrosion and provide better signal integrity for many years longer than standard copper.

PARALLEL WIRING

The Cyclops subwoofer is an 8ohm amplifier load and as such 2 units can be wired in parallel and connected to a 4 ohm compatible amplifier and be driven off a single amplifier channel. It is recommended that speaker cable lengths be as equal as possible when running them in parallel. Both subwoofers must be the Alderwood Cyclops, no other subwoofer can be wired from the same amplifier channel.

INSTALLATION

The Cyclops subwoofer has 16 mounting points that can be utilised when installing the subwoofer. A minimum of 4 points should be used at all times.

NOTE

All 16 threaded mounting points must have a fastener securely in place to maintain cabinet pressure. Running this subwoofer with missing bolts or air leaks will result in damage to the driver and potentially allow water ingress voiding your warranty.



ATTACHING THE FEET

The 4 feet provided with the cyclops can be attached to the front or the rear of the subwoofer depending on how you are using it.

To attach the feet undo the 4 M5 countersunk screws and bolt the feet in place using the removed bolts, be sure to make sure the feet are firmly in place to prevent any air or water leaks if outside.

TROUBLE SHOOTING

Sound is crackly or distorted at low volume	<ul style="list-style-type: none">- Check solder joint for a potential short.- Ensure amplifier terminals are done up tightly.- Check the wiring going into amplifier for shorts.
Speaker sounds distorted at high volume	<ul style="list-style-type: none">- Check the crossover settings on your amplifier are correctly set-Check amplifier power is capable of 250-500w at 8 ohm to adequately power the Cyclops with enough headroom-Check amplifier gain setting is not set too high, if required have the head unit signal set at no more than 3/4 of max volume for a clean peak free signal
No sound	<ul style="list-style-type: none">- Check all connections- Check that your amplifier is set to the right input.- Check power

WARRANTY

This product is covered by a 5 year warranty against defects and workmanship including commercial usage.

Alderwood reserves the right to repair or replace defective products in the event of a warranty claim, all warranty claims will need to be returned to the place of purchase with a proof of purchase receipt.

Not covered under warranty

- Damage to drivers from excessive volume or incorrect amplifier settings being used. A repair fee may be charged for improper use.

-Natural paint fading over time from direct placement in weather.

-Damage to driver from running with mounting bolts removed.

-No user serviceable parts inside, product disassembly will void warranty





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