Alphapack 3

Alphapack 3 range are 3 channel fully portable dimmer units, which can be safely secured to a stand or truss with the use of a hookclamp or half coupler, connected to either of the M10 threaded mounting holes on the top and rear of the unit. Alternatively the optional mounting bracket (sold separately) allows Alphapack 3 to be mounted onto a wall or piece of scenery.

This compact and rugged unit has 3 faders for local control, or can be controlled remotely as part of a larger lighting system. The Alphapack 3 offers full DMX control input providing maximum flexibility for a great price. A unique safety system and overload protection circuit means that the Alphapack 3 provides an extremely safe and reliable solution to small dimming applications, never allowing the dimmer loads to draw more current than is available from the supply.

Please read this manual before use, especially the Warnings & Safety section.

E&OE. Cooper Lighting Solutions reserves the right to make changes to the equipment and specification described in this manual without prior notice.
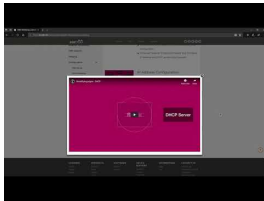
Introduction

Thank you

Thank you for choosing Alphapack 3 by Zero 88 to fulfil your lighting power needs. We sincerely hope that your new unit will bring you years of trouble free service. We make great efforts to build in reliability and serviceability at every stage of our development and production processes and include a three-year limited warranty - giving you peace of mind for your investment.

Our extensive dealer network can also provide you with technical service and sales support in your local language no matter where you are in the world. If you have any questions, comments or problems our contact details can be found at zero88.com/support
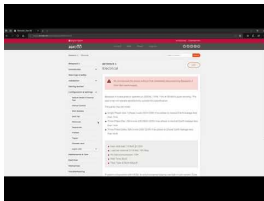
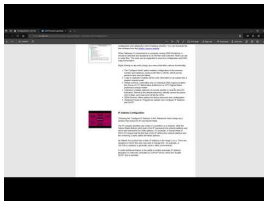Once again, thank you for choosing Zero 88.

This manual

This online manual describes the operation of Alphapack 3.

For an overview of the Zero 88 Online Manuals, take a look at this video.

For detailed information on each function, the manual has been divided into chapters - one for each major area, which can be navigated using the menu on the left-hand side. You can also search the manual using the search bar top right.

Each section or whole chapters can be exported to PDF by tapping "PDF", found just below the search bar. The whole manual can be exported as a PDF, by tapping "PDF" at the top page of the manual.

Zero 88 online manuals are updated regularly to ensure you have all the relevant information and useful tips. Check out the Revisions section to see what has been added. If you see something that doesn't look right, or have suggestions, please send us an email to support@zero88.com.
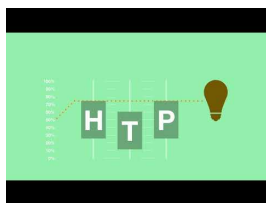
Revisions

Change log of this manual

- November 2020 - Manual revised - ES
- July 2020 - Manual Restructured - ES
- June 2020 - Manual Created - ES

Warnings & Safety

- This product must be earthed.
- This equipment is designed for professional stage lighting control and is unsuitable for any other purpose. It should be used by, or under the supervision of, an appropriately qualified or trained person.
- Airflow should not be impeded by covering the ventilation openings with items such as curtains, costumes, cabling etc.
- No naked flame sources, such as lighted candles or pyrotechnics, should be placed on or near the apparatus
- Alphapack 3 should not be exposed to dripping or splashing, and no objects filled with liquids, such as vases or drinks, should be placed on the apparatus.
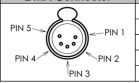- No user serviceable parts inside.

Faders

Each of the Alphapack 3's channels can be controlled using the three local faders on the front panel. These are always enabled, and work on a "highest-takes-precedence" basis if DMX is also present.

DMX

Alphapack 3 can be controlled using the local channel faders, or via a DMX512 signal. When both are used, the controls are mixed on a "highest-takes-precedence" basis. The Alphapack 3 uses three DMX addresses – one for each of the channels. Addresses are always a sequential block of three addresses, starting at the "DMX Start Address".

DMX Connector	Pin	Description
	1	COM
	2	DMX -
	3	DMX +
	4	Not used (Linked between male and female connectors)
	5	Not used (Linked between male and female connectors)

DMX512 connectors

The input connector is via a 5 pin male XLR with loopthrough on a 5 pin female XLR.

DMX start address switches

These three switches set the DMX start channel for the pack. One switch controls the "hundreds", another the "tens" and the other the "units". A small screwdriver or trim tool is required to adjust the address settings.

After changing the DMX start address, the Alphapack 3 must be restarted to activate the new DMX address.

DMX OK LED

- Off: No DMX data received
- Slow flash: DMX data errors occurring
- Fast flash: DMX data is being received, but is not dimmer data (start code non-zero)
- On: DMX dimmer data is being received OK.

DMX Termination

No termination is provided on the Alphapack 3. Termination of the DMX line can be achieved by inserting a termination plug into the loop through connector.

DMX Fail

In the event of the loss of DMX input, the outputs will fade to zero over 1 second. Please note that the channel faders will remain available.

Outputs

The Zero 88 Alphapack 3 is a three channel power controller capable of driving up to 6.3 amps of lighting control per channel.

Electrical

The total current consumption of the Alphapack 3 is 16 amps.

- Load per channel 0.2A Min; 6.3A Max
- Max. load per channel 1.44kW @ 230V
- No Load consumption 6W

Each channel is protected by a 6.3amp ceramic 5mm x 20mm "F Type" fuse.

Autoprotection

A current detection circuit monitors the input current to the Alphapack 3 at all times to protect the machine from being inadvertently overloaded.

The total current limit for each machine is factory set as follows:

- UK: 13 A
- Neutrik Powercon TRUE1: 16 A
- CEE 22: 10 A
- Swiss: 10 A
- French: 16 A
- Schuko: 16 A

Should an attempt be made to overload the Alphapack 3, the outputs of all three channels will be reduced, and the "Autoprotection activated" LED will be illuminated.

Load

The loads may be resistive or inductive and include tungsten, transformer driven low voltage and quartz halogen. Some highly inductive loads such as neon will require a ballast load of at least 100 Watts.

Fusing of Inductive Loads

All inductive loads (e.g. transformer driven lamps) must be fitted with a separate fuse of the correct value per lamp or fitting. Failure to fit the correct fuse may mean that any supply disturbances could cause damage to the lamp's transformer. A good earth connection is essential.

Maintenance

Alphapack 3 is designed to be relatively maintenance free, however a few simple steps can prolong the life of your hardware.

> No user serviceable parts inside.

Cleaning the surface

Every month or so, gently wipe down the front panel with a nonabrasive, non-corrosive surface cleaner applied with a soft cloth.

Cleaning the faders

A can of compressed air can be used to clear our dust from the fader tracks. Do NOT use an oil based lubricant (such as WD-40) on faders as this will cause irreparable damage to your Alphapack 3.

Transportation & storage

Care should be taken when transporting Alphapack 3. The cardboard box which Alphapack 3 is supplied in is intended only for one or two journeys, and should not be relied upon to keep the dimmer safe for prolonged use.

> - Airflow should not be impeded by covering the ventilation openings with items such as curtains, costumes, cabling etc.
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> - Alphapack 3 should not be exposed to dripping or splashing, and no objects filled with liquids, such as vases or drinks, should be placed on the apparatus.

Electrical

The Alphapack 3 is designed to operate on 200 – 250V single phase AC supply at 50Hz. The Alphapack 3 may not operate satisfactorily outside these conditions.

- Power Input: Via fixed 3m cable
- Max Current: Limited to 16A (+/- 1.5A)
- No Load consumption: 6W
- Min Input Impedance: 80k?
- Earth Leakage: <1mA

- This product must be earthed
- Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.
- Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan
- Apparatet må tilkoples jordet stikkontakt
- Apparaten skall anslutas till jordat uttag

Mechanical

Always observe the operating environment information in the Mechanical information. If this environment is exceeded, it is likely that damage will occur to your Alphapack 3.

Dimensions: 336mm (H) x 245mm (W) x 82mm (D)

Weight: 3.7kg

Operating temperature range: +5 to +40°C Humidity 5% to 95% non-condensing

Support

Support requests can be submitted through our support forum at zero88.com/forum or via email to support@zero88.com.

For more urgent requests, please contact Zero 88 by telephone on +44 (0)1633 838088 – 24 hour answer service available.