

Alexa-LF power adapter Instruction manual for 3-Stud mount

Rev 1.0

www.blueshape.net

Introduction



Your BLUESHAPE Alexa-LF power adapter has been designed specifically to use with this camera. It operates from standard 3- Stud 14.4V batteries.

It is an attachment that fits elegantly on the back of the camera using the screws provided.

Inside this adapter, there is a high efficiency, state of the art, DC-DC converter that converts the battery output from a nominal 14.4V to 21V.

The internal electronics transmit battery data that can be read and interpreted by the Alexa-LF.(This is valid only for batteries that communicate , for example BLUESHAPE)



It is highly recommended to use the BLUESHAPE HDplus series batteries which have been specifically designed to cater for the high power requisites of this camera.

Expected runtime from these batteries can range from more than 35 minutes to up to 140 minutes (see below)

It is also highly recommended that the camera runs on the latest firmware provided by ARRI® [Sup 3.0 or higher] for better thermal management. The power used by the camera is around 160W or even more and the back of the camera as well as the MVAL-LF do tend to become rather warm. This is considered as normal operation.

Features and Specifications

- Ergonomic fitting onto ARRI® Alexa-LF
- Sturdy construction with hooking components made in metal for a precise and reliable, long lasting fitting
- Efficient, fan less ventilation
- High-Rate, low resistance battery terminals which allow current draws up to 15A without damage or over-heating, even under vibration

Specifications:

- Pin-outs
+ve, -ve, data
- Input
10V to 17V
- Output
21V regulated – 250W max
- Efficiency
>95%
- Dimensions:
141 x 82 x 11mm
5.55" x 3.23" x 0.43"
- Weight:
210g
0.46lbs



Note: The 3-Stud must be disassembled by unscrewing the 4 retaining screws in order to gain access to the 4 adapter fixing screw locations that correspond with the camera.

HDplus battery series

Battery Model	Format	Voltage	Current	Rating	Runtime (minutes)
BG100 HDplus	Slim	14.4V	20A	96Wh	35 to 46
BG190 HDplus	Medium	14.4V	20A	190Wh	93 to 69
BG290 HDplus	Large	14.4V	20A	290Wh	105 to 139

Accessories supplied:

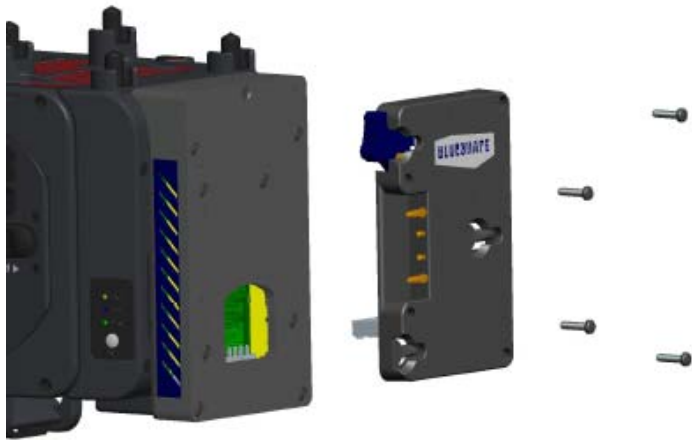
- 1 x complete fixing screw set containing
 - 4 x M3 x 23mm round headed black
 - 4 x M3 x 14mm round headed black
- 1 x Instruction manual



1. Back of camera showing mounting threads



2. Fixing the adapter using 4 x 23mm screws



3. Connect the 6 pole connector to the adapter main board through the large hole in the back;
Fix the 3-Stub plate on the adapter body with the 4 x 14mm screws provided



4. 3-Stub plate mounted on adapter body and ready to go

WARRANTY

BLUESHAPE products are warranted to be free from defects in materials, workmanship and functionality for a period of 18 months commencing from the date of purchase. This warranty shall not apply to any products or parts of that have been subjected to misuse, negligence, accidental or abnormal conditions of operation. The buyer should always contact the place of purchase for any return of defective product. It is important that the buyer provides us with as much information as possible about the failure being claimed. In the event of product failure for which warranty applies, we will repair or replace the product free of charge. In these cases, all expenses including transport charges will be borne by us. In the case where the failure has been caused by one of the causes explained above, repairs would be billed at a nominal cost. Prior to the carrying out of any repairs, we will inform the customer of the estimated costs of these repairs. These warranty conditions are the only ones applicable to our products and overrule any other expressed or implied warranties. We shall not be held liable for any damages resulting from warranty statements other than those contained in this declaration. This warranty is not transferable and is only applicable to the original buyer. In all warranty claims, the buyer must reproduce the original purchase invoice.