

RunGear QUAD™ Battery Powered 4-Channel Case for up to 4 MC2 Series BNC-to-ST High Definition Video Media Converters

Available with Anton-Bauer
Battery Mount (shown)
or
V-Mount



Enhanced
Video
Solutions

Product Overview

The RunGear Quad (RGQ) is used in field production, outside broadcast trucks, broadcast networks, studio infrastructure links or anywhere AC power is hard to obtain.

The power to the RGQ can be supplied via local wall plug power supply or by battery with popular battery mounts already fitted to the top of the case.

The RCQ series with MC² converters transmit up to:
16 km (10 mi) to 43 km (27 mi) for HD and
10 km (6 mi) to 25 km (15 mi) for 3G
depending on modules used.

For 4 discrete video channels, 1 channel for each fiber.

(Contact factory for RGQCW Series for up to 4 channels CWDM multiplexed onto 1 singlemode fiber.)

Key Features

- Power
 - Battery (via QR-GOLD Anton Bauer™ mount or V-Mount)
 - User supplied 12VDC power supply (XLR)
- Up to 4 channels in directions of choice. I.E. Bi-directional operation is possible
- Custom configurable with any combination of MC2 transmitter or receiver modules.
- RoHS-6 Compliant
- 4x 75 ohm single ended female-to-female BNC bulkhead connectors for electrical Inputs/Outputs
- Fiber Connector Options
 - ST
 - Rugged 4-channel HMA Expanded Beam
 - Neutrik opticalCON Quad
 - Others available upon request
- Moisture resistant design
- Maximum Power Dissipation: 7.2W
- 20 Hours typical battery run time. (Assumes a 160 Watt-Hour rated battery is used. Run time depends on battery used.)
- RunGear QUAD Size (L x W x H) (without Handles, Connectors and Battery Mount)
8.7 inch x 7.5 inch x 3.9 inch
22.1 cm x 19.1 cm x 9.9 cm

Advanced Fiber Products LLC
200 East Howard Ave, Suite 204
Des Plaines, IL, USA 60018
Tel: +1-847-768-9001
E-mail: video@afpgco.com

wholly owned subsidiary of
Advanced Fiber Products Ltd
Hollands Road
Haverhill, Suffolk
England CB9 8PR

Tel: +44 (0) 1440-706441
Fax: +44 (0) 1440-762044
E-mail: sales@afpgco.com

**Advanced
Fiber
Products**


www.afpgco.com

RGQ Series Product Sheet
Rev 14092.00
Page 1 of 2


RunGear QUAD™ Battery Powered 4-Channel Case for up to 4 MC2 Series BNC-to-ST High Definition Video Media Converters

Enhanced
Video
Solutions

RGQ Ordering Information

				
Part Numbers with Anton Bauer Mount	Part Numbers with V-Mount	Part Numbers with NO Mount	NOTE	Connector Type
RGQ-4M-S-AB	RGQ-4M-S-V	RGQ-4M-S-N	MC2 ONLY	4x ST Bulkhead Connectors
RGQ-4M-NQ-AB	RGQ-4M-NQ-V	RGQ-4M-NQ-N	MC2 ONLY	4-Channel Neutrik opticalCON Quad Connector
RGQ-4M-H-AB	RGQ-4M-H-V	RGQ-4M-H-N	MC2 ONLY	4-Channel HsMA Bulkhead, SM Flat Polished Termination
RGQ-4M-HA-AB	RGQ-4M-HA-V	RGQ-4M-HA-N	MC2 ONLY	4-Channel HxMA Bulkhead, SM Angle Polished Connector (APC)
Shipping Dimensions		16.25 x 11.25 x 8.75	41 x 29 x 22cm	
Shipping Weight		7.1 lb	3.2 kg	

Use 12VDC Wall Power Supply (Sold Separately.)

					
Part Number	Input Voltage	Output Voltage	Output Current	Connector Type	Power Supply Plug Type
PS-12-2H-XLR	100V to 240V	12VDC	2.5A	4-Pin XLR Female	Interchangeable wall plugs for Australia, Europe, UK and US

Use RGQ with MC² Series video media converters. MC² converters are sold separately. See separate MC² product sheet for full line of transmitters and receivers.



	Optical Transmit Power (dBm)				Receiver Optical Input Power (dBm)	Link Distance	Shipping Dimension and Weight (each)
Transmitter Part Number	Min	Typ	Max	Receiver Part Number	Min / Max	Min / Typ	
MC2-T-P-2 3G/HD/SD 1310nm FP Laser Transmitter	-6	-4.5	-3	MC2-R-P-2 3G/HD/SD 1260-1620nm PIN Pre-Amp Receiver	-20 / +0	@ 2.97Gbps 10 / 25 km 6 / 15 mi	16.25 x 11.25 x 4.25 inch 41 x 29 x 11 cm 1.1 lb 477 g

Chart Abbreviations: Max = Maximum, Min = Minimum (worst case), Typ = Typical.

Advanced Fiber Products, LLC (AFP-US) develops and manufactures active optical devices engineered and packaged to withstand the rigors of broadcast production and many industrial environments. The devices are designed to convert signals from electrical to optical domain, aggregate, multiplex and de-multiplex them and provide transmission via ruggedized cabling solutions. AFP also offers a wide range of ancillary components in addition to specialized fiber assemblies related to high performance optical hermeticity, laser-to-fiber or fiber-to-detector delivery and integration into complete packaging solutions. AFP-US located near Chicago, Illinois, USA is a wholly owned subsidiary of Advanced Fiber Products Ltd. (AFP). The company is headquartered at Haverhill, near Cambridge in the United Kingdom.

**Advanced
Fiber
Products**

www.afpgco.com

RGQ Series Product Sheet
Rev 14092.00
Page 2 of 2

Advanced Fiber Products reserves the right to change or discontinue any product or service in this publication and advises customers to obtain the latest versions of publications before placing orders. Patents are pending. Advanced Fiber Products standard warranty conditions apply and are available upon request. Advanced Fiber Products customers using its products in life preserving applications where the reasonable malfunction of the products might be expected and may result in personal injury, agree to indemnify Advanced Fiber Products against all such improper use and any consequential damages. Advanced Fiber Products makes no representations or warranties that the products are free from patent, copyright or intellectual property rights. Standard Terms and Conditions of sale apply and are available on request.

Advanced Fiber Products LLC
200 East Howard Ave, Suite 204
Des Plaines, IL, USA 60018
Tel: +1-847-768-9001
E-mail: video@afpgco.com

wholly owned subsidiary of
Advanced Fiber Products Ltd
Hollands Road
Haverhill, Suffolk
England CB9 8PR
Tel: +44 (0) 1440-706441
Fax: +44 (0) 1440-762044
E-mail: sales@afpgco.com