



QUICK START GUIDE – V1.0 – ENGLISH

GigaCore RPSU 400

PART NUMBER:
LU 01 00061 GigaCore RPSU 400
Redundant Power Supply Unit



QUICK START GUIDE
The basic features for an easy set-up

Compliance information

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

■ **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!**

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Luminex Lighting Control Equipment nv may void your authority, granted by the FCC, to use the product.

- This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Industry Canada Compliance Statement

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

European Community Compliance Statement

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Disposal of Waste Equipment by users in the European Union

Information for Users on Collection and Disposal of Old Equipment



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC. By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

[For business users in the European Union]

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]

This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

In the box

- 1x LU 01 00061 GigaCore RPSU400
- 1x LU 01 00061-CABLE RPSU 400 16p cable
- 1x Quick Start Guide
- 1x Safety Instructions

Usage

The GigaCore RPSU400 can monitor up to 3 devices. Should one of the power supplies in the connected devices fail, the RPSU400 will seamlessly take over. The RPSU400 can only provide power to one of the connected devices, so the others will no longer be able to receive backup power. If the fault is recovered (or the broken GigaCore disconnected), the other switches will be backedup again.

Description

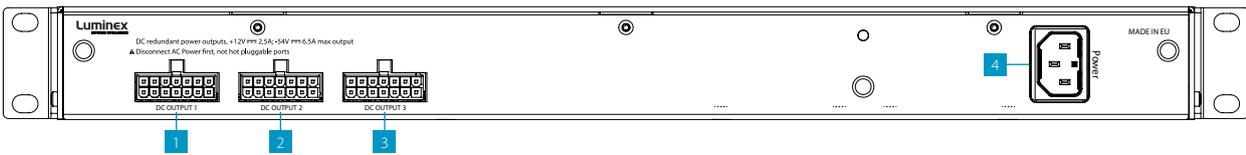
Front Panel

- 1: OK LED: Indicates the general status of the RPSU
- 2-4: Output LEDs: These LEDs indicate the state of the 3 DC outputs of the RPSU.



Rear Panel

- 1: Power output 1: Provides backup power output
- 2: Power output 2: Provides backup power output
- 3: Power output 3: Provides backup power output
- 4: Power: IEC inlet



LED Indicators

OK LED:

Colour	State	Condition
Green	Steady	Unit OK
Red	Blinking	Hardware error: Fan broken, temperature too high or PSU broken.

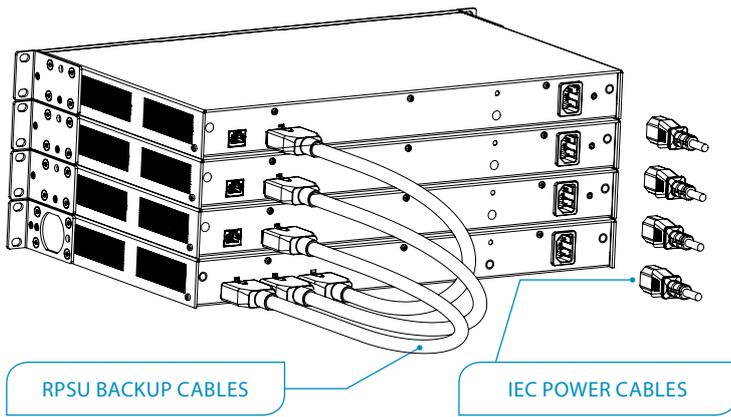
Output LEDs:

Colour	State	Condition
Green	Steady	Power available on this output, standing by
Red	Steady	Sourcing power to the connected GigaCore
Orange	Steady	No power available – Another output is sourcing
Red	Blinking	Hardware error on this output. (E.g. fuse is blown)

Connecting the RPSU400

The RPSU400 can only be used to provide backup power for the Luminex approved devices: GigaCore 26i, GigaCore26i with PoE and future Luminex devices which's current consumption does not exceed the power usage of the GigaCore 26i and is equipped with a compliant DC power input connector. Never connect any other equipment to the power outputs of the RPSU400! Only use the Luminex provided RPSU cable (LU 01 00061-CABLE) to connect the RPSU400 to the back upped device, as this cable is specially designed for this application and meets all necessary regulatory and safety standards.

CAUTION: The backup outputs of the GigaCore RPSU400 are NOT hot pluggable! Ensure that the power cord of the RPSU unit is unplugged before plugging or unplugging any of the DC outputs!



Please use an IEC plug compliant cable to feed power to the unit. Luminex recommends the use of a power cable in accordance with the standards and relevant authorities of your country.

Luminex recommends to use an IEC connector fitted with a locking mechanism to ensure a reliable connection to the device.

⚠ WARNING: TO ENSURE A TOTAL PROTECTION, THIS EQUIPMENT MUST BE EARTHED

Specifications

Power info

Power Input:	100-240VAC 50/60Hz 4.9-2.5A
Power Output:	3x 54VDC 6.5A and 12VDC 2.5A on 14 pins Molex Mini-Fit Jr
Power Consumption	430W

Environmental

Operating Temperature:	0 to +50°C
Storage Temperature:	-10 to +70 °C
Humidity (non-condensing):	5 to 95 % RH
Fans	3 pieces

Physical

Enclosure	Metal Housing
Dimensions (W x D x H)	482 x 270,3 x 44 mm 19" x 10,64" x 1.73"
Packaging	547x 425 x 80 mm 21,53" x 16,73" x 3,14"
Weight	3.5kg

Approvals

CE	<input checked="" type="checkbox"/>
IEC 60950-1	<input checked="" type="checkbox"/>
EN 60950-1	<input checked="" type="checkbox"/>
UL 60950-1	<input checked="" type="checkbox"/>
CAN/CSA-C22.2 No.60950-1	<input checked="" type="checkbox"/>
FCC Part 15, CFR 47, Class A	<input checked="" type="checkbox"/>
CAN/ICES-003(A)	<input checked="" type="checkbox"/>
EN55022 (CISPR22)	<input checked="" type="checkbox"/>
EN5024 (CISPR24)	<input checked="" type="checkbox"/>
RoHS Compliance	<input checked="" type="checkbox"/>

Additional documentation

All additional documentation, including the user manual, can be downloaded from our website in the support section:
<http://www.luminex.be>.

DISCLAIMER

Luminex LCE operates a policy of continuous development. Luminex LCE reserves the right to make changes and improvements to any of the products described in this document above without prior notice. Specifications are subject to change without notice.

Copyright © 2002-2018 .

All rights reserved.

No part of this documentation may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, without the prior written permission of Luminex. The information in this documentation is supplied without warranty of any kind, either directly or indirectly, and is subject to change without prior written notice. Luminex, its employees or appointed representatives will not be held responsible for any damages to software, hardware, or data, howsoever arising as a direct or indirect result of the product(s) mentioned herein.