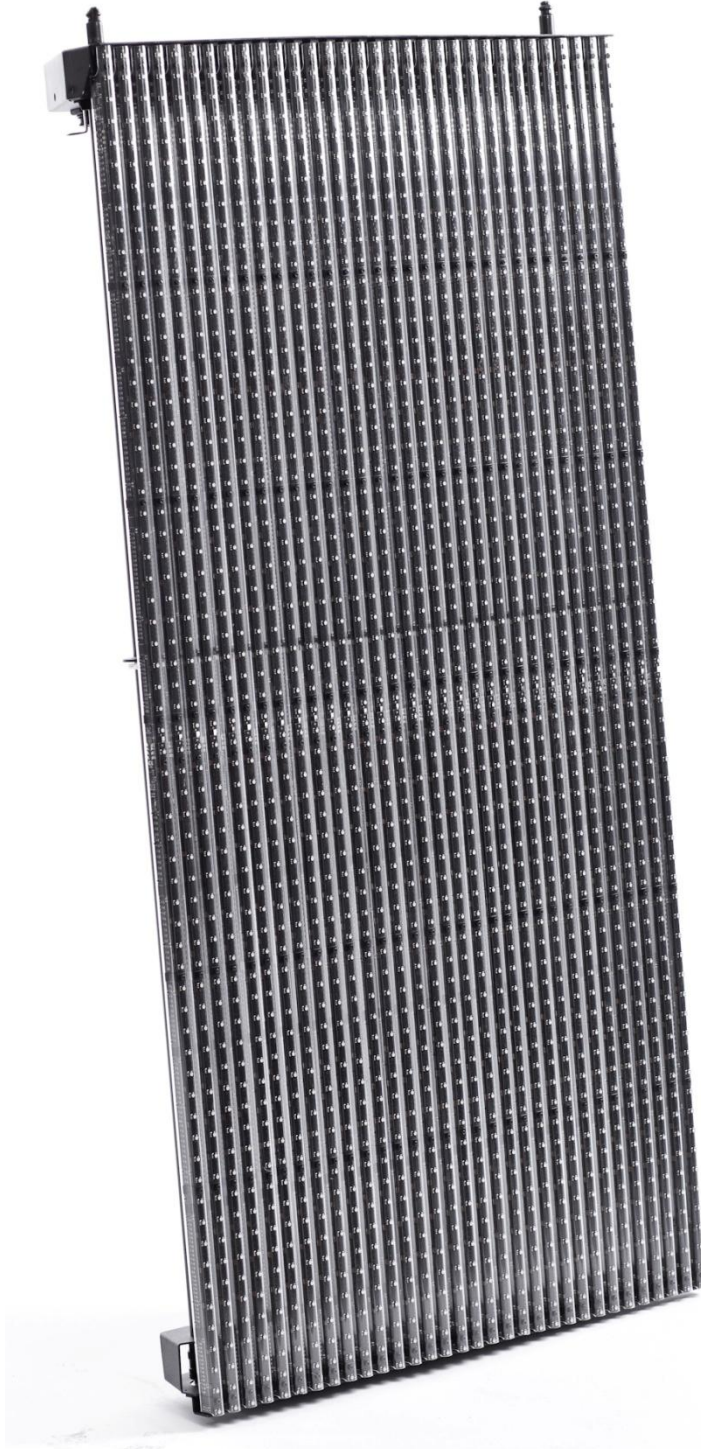


Phantom 15



User Manual

Version 1.0



Contents

Safety Information.....	3
Introduction.....	5
Front Panel	6
Connections Panel (back)	7
Installation.....	8
Media source.....	8
Connecting the GVP with a Phantom 15 video panel	8
System Layout	9
Booster Box	10
1. Bottom connections	10
2. Top Connections.....	11

Safety Information

WARNING!

Read the safety precautions in this section before installing, powering, operating or servicing this product.

The following symbols are used to identify important safety information on the product and in this manual:



Warning
Refer to manual
before installing,
powering or servicing.



Warning
hot surface.
Fire hazard



Danger!
High Voltage
Risk of lethal or
severe electric shock.



This product is for professional use only. It is not for household use.

Read this manual before installing, powering or servicing this product, follow the safety precautions listed below and observe all warnings in this manual and printed on the product.

If you have questions about how to operate this product safely, please contact your G-LEC dealer, contact the G-LEC Service-Hotline +49 (0) 7248 92 719 0 or by info@g-lec.com.



Protection from Fire

- Do not modify the product in any way.
- Do not operate the product if the ambient temperature (T_a) exceeds 40° C (113° F).

**Protection from Electric Shock**

- Connect the product to AC mains power within the range 100 - 240 V, 50/60 Hz only.
- Use only a source of AC mains power that complies with local building and electrical codes and has both overload and ground-fault (earth-fault) protection.
- The unit must be correctly grounded to electrical safety earth at all times.
- US, EU (Schuko) or UK power cables with a powercon input connector are supplied with the product. Connect the product to AC mains power using the cable that matches your local power outlet sockets. If you need to replace the power plug to match any other type of power outlet socket, install a grounding-type (earthed) listed power plug rated 5 A minimum. In all cases, check that the power plug connects correctly to ground (earth).
- Isolate the product from AC mains power if the power cable or power plug is in any way damaged, defective or showing signs of overheating. Do not reapply power until the faulty item is replaced.
- For pluggable equipment, the socket outlet shall be installed near the equipment and shall be easily accessible.
- Disconnect the product from AC mains power when not in use
- There are no user-serviceable parts inside the product. Do not attempt to open the product. If service is required, contact your G-LEC dealer.
- The product is for use in a dry location only. Protect it from moisture. Do not allow it to become wet.



Introduction

This manual explains how to connect and use the G-LEC Phantom 15 Panel.

For information about how to set up the G-LEC Video Processor (GVP) see the user documentation supplied with the GVP and available for download from the G-LEC website at www.g-lec.com

The latest firmware updates and user documentation for all G-LEC products are always available free of charge from the G-LEC website or from your G-LEC dealer.

WARNING!

**Read "Safety Information" on page 3
before installing, powering or operating the GVP.**

Thanks you for selecting the G-LEC Phantom 15 panel of the G-LEC Phantom series of modular LED-based video panels.

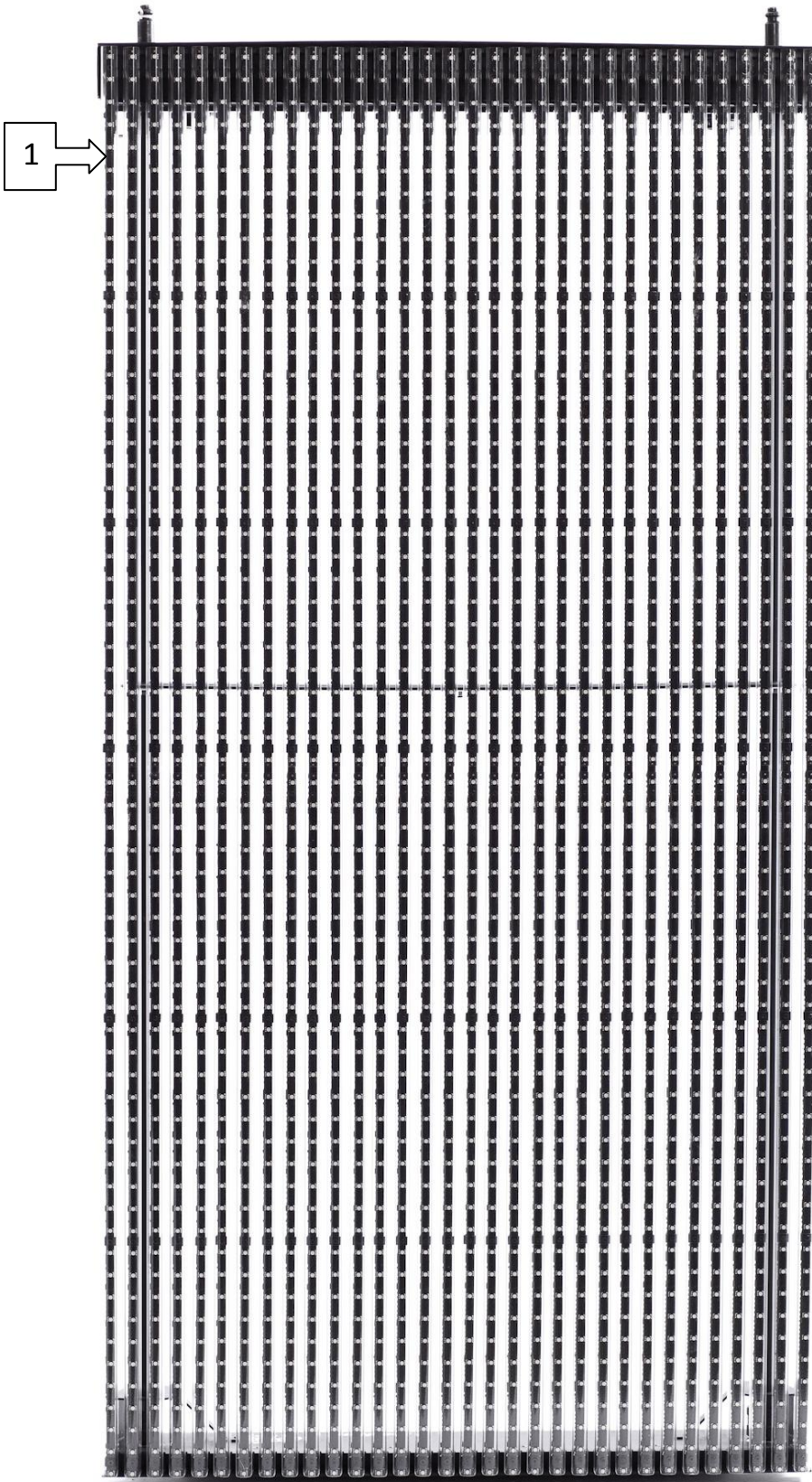
The G-LEC Phantom 15 Panel features:

- 32 x 64 pixel
- 2048 pixel total resolution
- Ethernet IN & Out
- 6000nits (cd/m²)
- 420watt
- 15mm pixel pitch
- Indoor (IP 32 front & back)
- Aluminium chassis
- 11Kg
- 20% transparency

Comments or suggestions regarding this user manual may be e-mailed to Info@g-lec.com or posted to:

G-LEC Visual Technology
Im Stoeckmaedle 13
76307 Karlsbad
Germany

Front Panel



- 1. 32x LED Line with 64 RGB LEDs each

Fig.1

Connections Panel (back)



Fig.2

1. Multi-pin connector for Power IN and Network IN
2. Multi-pin connector for Power OUT and Network OUT
3. Quicklock (left) for rigging
4. Quicklock (right) for rigging

Installation

The Phantom 15 is designed to be rigged on a truss for fixed installations or touring applications.

The unit has been qualified to operate in a dry environment within a temperature range of 0° C to 40° C (32° F to 113° F). Do not allow it to become wet. Do not use it if the ambient temperature is outside the specified range.

Before applying power to the Phantom 15:

- Carefully review “Safety Information” on page 3.
- Check that the local AC power voltage is within the range of 100-240V 50/60 Hz

Media source

As media source, we recommend the use of a media server, a DVI compatible DVD player or a PC connected to a G-LEC Video Processor (GVP).

Connecting the GVP with a Phantom 15 video panel

1. Fig. 3 shows a typical system layout.
2. Refer to Fig. 3 to locate the following connectors:
 - Connect the **Power IN** and **Network IN** with a multi-pin link cable to the Booster Box (see Fig. 5).
3. Connect the Booster Box using an Ethernet cable to the GVP Ethernet port **FRAME** (see Fig. 4). Please note that the Ethernet port **WWW** on the GVP is primed for future functions and does not output a video signal to the LED-modules.
4. Connect the Booster Box to the mains.

To connect multiple panels in the same signal line link them through using a multi-pin link cable and connect the Power IN and Network IN of the new panel with the Power OUT and Network OUT of the previous panel.



Note !

The maximum number of panels per line is seven (7)!

System Layout

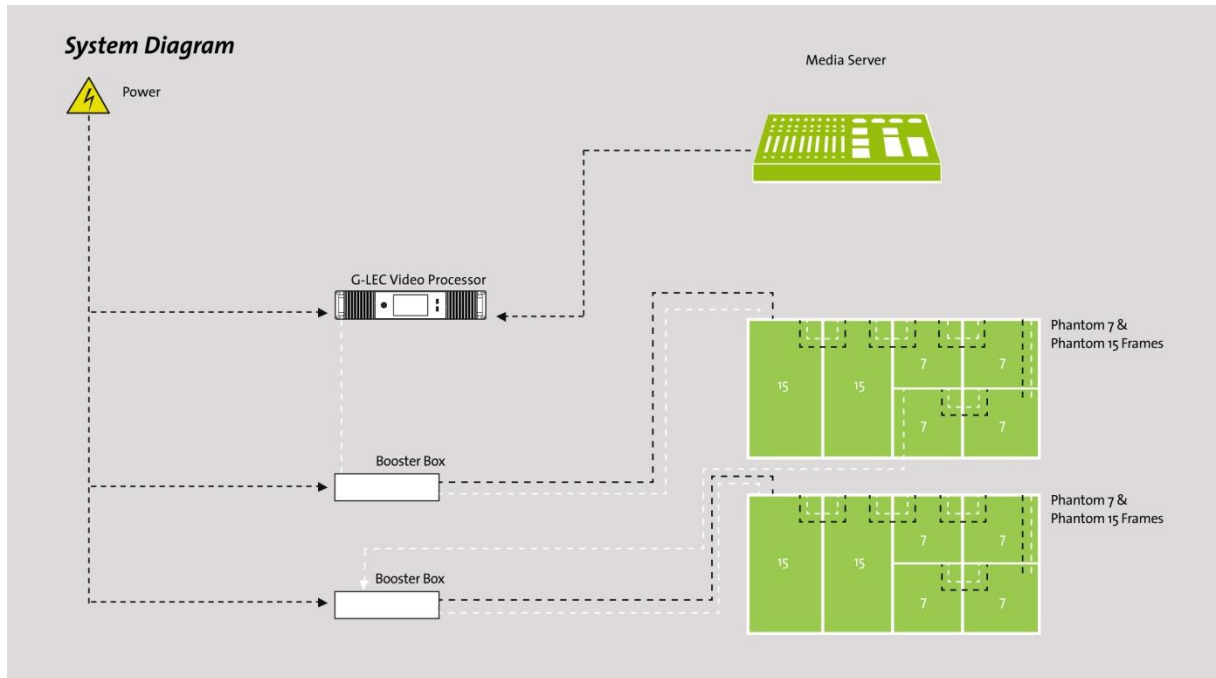


Fig. 3

Booster Box

1. Bottom connections

1. Powercon In Mains input (100-240V 50/60 Hz)
2. Ethernet Port for connection to the G-LEC Video Processor (GVP)

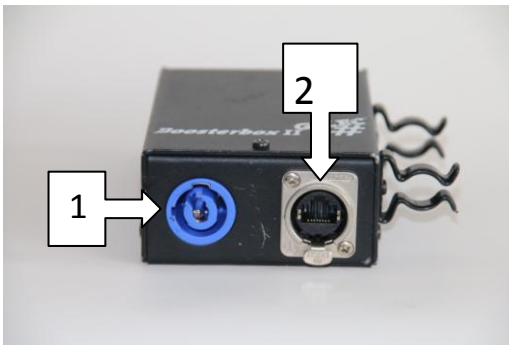


Fig. 4

2. Top Connections

1. Multi-pin connector for connection to the Phantom 15 Power & Network IN.

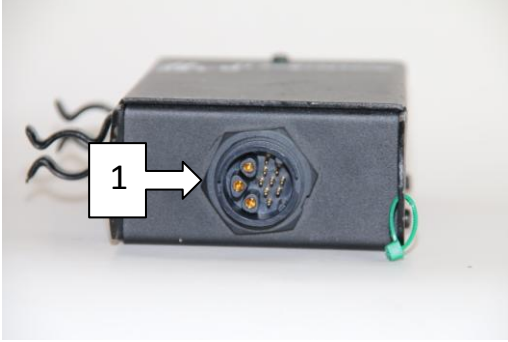


Fig. 5