Truly bringing together integrated video control for LED displays, G3 Net is not only a LED display controller a video scaler and switcher, but enables full remote control and automation via the industry standard Art-Net protocol.

With Art-Net, G3 Net can be controlled from lighting controllers and any device providing Art-Net control. Art-Net networks can be widely distributed over an IP network infrastructure.

RGBlink has implemented an extensive feature set with DMX512 channels to control source switching, scaling, and on board LED Sender Card features directly.

In multi device applications, lighting, media servers, video switching and LED Display can be controlled as one system in a coordinated way.
LED Display Control
Fully integrated LED display and video processing. G3 Net is available for popular ColorLight and Linsn LED Control systems.

Built-in Monitoring
G3 Net includes a colour LCD display for output monitoring or preview monitoring.

Seamless Switching
Switching seamlessly between inputs, regardless of resolution or signal type.

Preview Output
A DVI output is included to allow external preview (PVW) This output also supports HDMI signals.

Familiar RGBlink Menu
Integrated is the familiar RGBlink menu for navigation of features and settings.

Instant TAKE
Pre-sync next source with the RGBlink unique functionality allowing delay free, instant TAKE.

Scale
Scale inputs to output resolution and pixel-by-pixel.

Transition Effects
G3 Net includes a wide range of built in transition effects including wipes, pushes and pulls. Transition times can be instant (CUT) up to 35 seconds.

Test Patterns
Choose from a range of built in test patterns to display, enabling finer configuration and tuning of LED display performance.

PIP
Include a PIP in any position or select a preset. Scale and crop as needed. PIP can be any available source including the active source in use for the main/background source. Swap PIP and background on demand.

Essential Inputs
G3 Net 2K includes DVI, HDMI and SDI inputs. The HDMI with rugged XLR style housing.
Art-Net On Board
Control G3 Net remotely from an Art-Net enabled controller. Full range of control feature for both video and LED output control are available. Art-Net control features include:

- Input Selection
- Switching/TAKE
- Scaling & Positioning
- Output Mapping
- Brightness
- Contrast
- Saturation
- Colour Adjustment
- Test Pattern Selection
- and lots more.

Direct LED Connection
With LED control integrated within G3 Net, there is no external link cable. Simply connect LED display with CAT5e cable directly to G3 NET. Four output ports to LED displays are provided as industrial EtherCon connectors.

LED Display Configuration
Set up and dynamically configure connected LED displays

Map
Configure output regions / pixel spaces for each of the outputs.

EDID Management
Settings are provided for Input EDID configurations
## Specifications

| Input Video | 1 × DVI  
| 1 × HDMI  
| 1 × 3G-SDI |
| Preview | 1 × DVI  

### Outputs
- **LAN Outputs**: 4 × RJ45

### Communication Ports
- **USB**: 2.0
- **LAN**: TCP/IP, Art-Net, RS232

### Input Resolution
- **SDI**: 720p@50/60 | 1080i@59.94/60 | 1080p@23.98/24/25/29.97/30/59.94/60 | 1080psf@23.98/24/25/29.97/30 | 480i | 576i
- **DVI&HDMI**: SMPTE: 625@25/50 PAL | 525@29.97/59.94 NTSC | 720p@50/59.94/60 | 1080i@50/59.94/60 | 1080@50/59.94/60 | 1080@50/59.94/60 | VESA: 800x600@60 | 1024x768@60 | 1280x768@60 | 1280x1024@60 | 1600x1200@60 | 1920x1080@60 | 1920x1200@60 | 2048x1152@60 | 2560x816@60

### Output Resolution
- **SMPTE**: 1080p@50/59.94/60 | 720p@50/59.94/60  
1280x720@23.98/24/25/29.97/30 | 1920x1080@23.98/24/25/29.97/30
- **VESA**: 800x600@60 | 1024x768@60 | 1280x768@60 | 1280x1024@60 | 1600x1200@60 | 1920x1080@60 | 1920x1200@60 | 2048x1152@60 | 2560x816@60

### Refresh Rates
- 23.98 | 29.76 | 30 | 59.94 | 60 | 75

### Support Standard
- **SDI**: SMPTE 425M (Level A) | SMPTE 424M | SMPTE 292M | SMPTE 259M-C | DVB-ASI  
- **DVI**: 1.0  
- **HDMI**: 1.3

### Input Voltage
- AC 85~264V 50/60Hz

### Max Power
- 35W

### Temperature
- -20℃~65℃

### Humidity
- 20%~90%

### Weight
- 3.3kg (Net Weight)

### Dimensions
- 480mm x 377mm x 45mm (Device Dimension)

## Ordering Codes

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Item</th>
<th>Description</th>
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| 810-0221-01-0 | G3 Net 2K COLORLIGHT | LED Display Controller & Scaler with Art-Net  
For LED Displays with ColorLight control systems  
| 810-0222-01-0 | G3 Net 2K LINSN | LED Display Controller & Scaler with Art-Net  
For LED Displays with Linsn control systems  

## Dimensions

![Diagram of dimensions](image)