DGlink media switches and stage boxes were designed for live events and on-site broadcast applications. Designed for the live event professional in mind, DGlink products are configurable, ruggedized, and redundant, leveraging the latest electronics to support most contemporary audio, video...
Modular and fully configurable, DGlink stage boxes allow for selection of audio protocols, number of inputs and outputs, connectors, and layouts. Introduced in 2010, DGlink was the first digital stage box to support Dante. Designed to be compatible with existing analog cabling and subsnake systems, the digital electronics can be coupled with analog components such as transformer splits and LK multipin connectors to easily integrate with your existing infrastructure.

DGlink 19” rack mountable switches leverage the latest electronics from CiscoTM, Extreme NetworksTM, and Luminex packaged in a robust enclosure with touring grade connectors. Redundant power supply and PCB configurations are available to ensure 100% uptime for your critical applications.

The DGlink MOB incorporates WDM and MTP/MPO technologies to deliver a framework that transports up to 24 discrete networks over a hybrid power+data backbone. Leveraging hybrid LK Connectors and eurocables, DGlink MOB is designed for large broadcast and entertainment applications that require power and signals to be transported over extended distances.

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Redundant Rugged Switches

HW Series

The DGlink multimedia switches were designed to address the specific needs presented in live event production. Today’s Audio, Video, and Lighting over Ethernet protocols require low latency transport, specific quality of service (QoS) control, and precision clocking to ensure that all multimedia transport and control signals arrive error free and synchronized. Whether you are designing for a fixed theatrical installation or a concert tour, DGlink switches are available in configurations to support your specific application.

DGLink 19” rack mountable switches leverage the latest electronics from Cisco™, Extreme Networks™, and Luminex™, packaged in a robust enclosure, with touring grade connectors. Redundant power supply and PCB configurations are available to ensure 100% uptime for your critical applications. Our team of experienced engineers helps you select the best internal hardware based on specific show requirements.

DGLink switches are available in multiple I/O configurations supporting various optical and copper port and connector configurations.

DGLink electronics can also be fitted into other enclosures with supporting electronics and customized to address special packaging requirements.

DGLink supports common entertainment layer 2 and layer 3 protocols such as sACN, Art-Net AVB, Dante, and AES67. Options are also available for Precision Time Protocol (PTP) IEEE 1588v2. DGlink switches support specific VLAN configurations and Multi-Select configurations for easy reprogramming in the field.

**Optical:**
- Single-mode and Multi-mode
- Link LKG/LKO
- Expanded Beam/HMA
- Neutrik OpticalCON QUAD
- Neutrik OpticalCON DUO
- SC
- LC

**Copper:**
- Neutrik EtherCON
- 100 Mbps
- 1000 Mbps
- 10 Gbps
Redundant Rugged Switches

Models

**HW C1 8-0-0-0 O2S2 DIEEU**  Rugged Gigabit switch with 8 copper [etherCON] plus 2 fiber [OpticalCon] ports

**HW C1 4-4-0-0 O2S2 V2 DIEEU**  Rugged Gigabit switch 2 V-Lan / 4 copper [etherCON] plus 1 fiber [opticalCON] ports each V-Lan

**HW C1 10-0-0-0 DIEEU**  Rugged Gigabit switch with 10 copper [etherCON] ports

**HW C1 5-5/0-0 V2 DIEEU**  Rugged Gigabit switch with 10 copper [etherCON] ports / 2 V-Lan

**HW C2 9-9-0-0 O2S2 DIEEU**  Rugged dual Gigabit switch with 9 copper [etherCON] + 1 fiber [OpticalCon] ports on both primary and secondary

**HW C2 9-9-0-0 O2S2 DIEEU**  Rugged dual Gigabit switch with 10 copper [etherCON] ports on both primary and secondary

**HW N2 5-5/0-0-0 DIEEU**  Rugged dual Gigabit switch with 5 copper [etherCON] ports on both primary and secondary

**HW BP12A2**  12Vdc Battery Pack (2Ah)

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<table>
<thead>
<tr>
<th>Features</th>
<th>HW C1 8-0-0-0</th>
<th>HW C1 10-0-0-0</th>
<th>HW C2 9-9-0-0</th>
<th>HW C2 10-10-0-0</th>
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<tr>
<td>RJ45 ports (10/100/1000 Mbps)</td>
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<td>Dual 110 -240 Vdc</td>
<td>Dual 110 -240 Vdc</td>
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</table>
Multinetwork Optical Backbone

ONE FIBER OPTIC CABLE CARRYING MANY SIGNALS AUDIO, VIDEO, CONTROL, ETHERNET…
DELIVERED KILOMETERS FAR AWAY MAINTAINING THE ORIGINAL SIGNAL INTEGRITY

The DGlink MOB incorporates WDM and MTP/MPO technologies to deliver a framework that transports up to 24 discrete networks over a hybrid power+data backbone. Leveraging hybrid LK Connectors and eurocable, DGlink MOB is designed for large broadcast and entertainment applications that require power and multiple transport and control protocols to be transported over extended distances.

The DGlink MOB can be configured to support multiple signals: 3G HD-SDI, MADI, Dante, AES67, sACN, and Art-Net. (Dark Fiber ports are also available on request)

Single Mode and Multi-Mode configurations are available and can support distances up to 120 km. DGlink MOB WDM modules comply with ITU G.695 and G.696 ITU o T G.652 (11/2009) standards and can provide up to 18 discrete channels in a single enclosure.

All DGlink Ruggedized Redundant Switch I/O port options are also available in the DGlink MOB.

### Optical:
- Single-mode and Multi-mode
- Link LKG/LKO
- Expanded Beam/HMA
- Neutrik OpticalCON QUAD
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- SC
- LC

### Copper:
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- 100 Mbps
- 1000 Mbps
- 10 Gbps
Networking Diagram

MULTINETWORK BACKBONE
Starting from 4 different redundant networks
- Dante Primary
- Dante Secondary
- DMX/AXN
Ethernet/Access Point service

DGlink HW C2 10-10/0-0 Switches

DGlink 48/16 with 8/4 analog sub-snares

Monitor Console

Recording

FOH Console

DGlink 48/16 with 8/4 analog sub-snares
Digital Stage Box

Due to the high grade of customization for all DGlink products, we highlight some standard basic solutions which can be configured and expanded to provide the right answer for your needs.

MDP System (Multi Digital Protocol)

DGlink MDP supports the transport and distribution of analog and digital audio while facilitating additional communication, control, and monitoring signals. The DGlink architecture is modular and can be configured to suit existing needs and be extendible for the future at the same time. DGlink can be combined with eurocable hybrid cables and LK Connectors to provide a single touring grade cable and connection point between the front of house and the stage. Built on a robust processing engine, DGlink supports 24-bit resolution and sampling frequencies up to 48KHz.

DGlink MDP also has options for redundant power supplies and external battery back-up. The optional AES-EBU drive module reclocks, rebuffers, splits, and distributes 12 channels of AES-EBU digital audio throughout multiple amplifier racks.

Features

Multiple protocols: DGlink MDP has the option to transport and convert 2 simultaneous protocols (Dante, MADI, Ethersound)

Customization: DGlink can be easily configured to integrate with pre-existing conventional stage boxes, sub snakes and splitters. DGlink can also provide direct or transformer isolated analog inputs for conventional monitor and broadcast consoles.

Modular Channel Counts: The 8 channel DGlink digital converter modules support up to 64 bidirectional channels of Analog to Digital (ADC) and Digital to Analog (DAC).

Control & Settings: The 8 channel DGlink digital converter modules support up to 64 bidirectional channels of Analog to Digital (ADC) and Digital to Analog (DAC).

Models

DGL D32/16E  
DGL M32/16E  
DGL D48/08E  
DGL M48/08E  
DGL M48/16E  
DGL D48/24E  
DGL D64/24E  
DGL DAMAC64  
DGL M48/24E  
DGL M64/24E  
DGL DAMAC64

DGlink “Dante Brooklyn II” 32 inputs / 16 outputs  
DGlink “MADI” 32 inputs / 16 outputs  
DGlink “Dante Brooklyn II” 48 inputs / 8 outputs  
DGlink “MADI” 48 inputs / 8 outputs  
DGlink “Dante Brooklyn II” 48 inputs / 16 outputs  
DGlink “Dante Brooklyn II” 48 inputs / 24 outputs  
DGlink “Dante Brooklyn II” 64 inputs / 24 outputs  
DGlink “Dante Brooklyn II-MADI” converter 64/64 ch
Mini DGlink

Mini DGlink is the little brother of MDP housed in 1U and 2U 19” rack modules. The Mini supports up to 16 channels of input and 8 channels of output in a compact 1U configuration. I/O configurations available for XLR, sub-D 25 pin or LK input and output connectors. Dual HA (Head Amps) output options are also available supporting different gain settings for the same analog input at two different destinations (e.g., FoH, Monitor, Broadcast). MINI supports 24-bit resolution and sampling frequencies up to 96kHz using a Dante Brooklyn II digital audio board.

Features

Configuration: Mini DGlink comes in 1U/2U configurations up to 16 inputs and 8 outputs. Options for Dual Head Amp and Redundant Power Supply are available on request. Different I/O configurations are available. All configurations are available with Dante protocol.

Control & Settings: DGlink comes with free Windows & IPAD software to remotely control all parameters on up to 8 units simultaneously (gain, +48V Phantom Power, Pad).

Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>DGM D08/0E F8XI</td>
<td>1U DGlink Mini “Dante Brooklyn II” 8 inputs</td>
</tr>
<tr>
<td>DGM D0/08E F8XO</td>
<td>1U DGlink Mini “Dante Brooklyn II” 8 inputs</td>
</tr>
<tr>
<td>DGM D08/08E F8XIBXO</td>
<td>2U DGlink Mini “Dante Brooklyn II” 8 inputs / 8 outputs</td>
</tr>
<tr>
<td>DGM D16/0E F16XI</td>
<td>2U DGlink Mini “Dante Brooklyn II” 16 inputs</td>
</tr>
<tr>
<td>DGM D16/08E F8XIBXOR8XI</td>
<td>2U DGlink Mini “Dante Brooklyn II” 16 inputs / 8 outputs</td>
</tr>
</tbody>
</table>

Fiber Primary Secondary