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*People and Products
Connecting the World
of Entertainment*



DGlink media switches and stage boxes were designed to meet the dynamic digital audio, lighting, and video transport requirements for live events and on site broadcast applications.



Redundant Rugged Switches



MultiNetwork Optical Backbone



Digital Stage Box

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 and lighting protocols.

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.

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.

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.

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 DIEEU	Rugged dual Gigabit switch with 5 copper [etherCON] ports on both primary and secondary
HW BP12A2	12Vdc Battery Pack (2Ah)



Features	HW C1 8-0/0-0 HW C1 4-4/0-0	HW C1 10-0/0-0 HW C1 5-5/0-0	HW C2 9-9/0-0	HW C2 10-10/0-0
RJ45 ports (10/100/1000 Mbps)	8	10	9+9	10+10
SFP ports	2	-	1+1	-
Connectors	etherCON, opticalCON	etherCON	etherCON, opticalCON	etherCON
Power supply	Dual 110 ~240 Vdc	Dual 110 ~240 Vdc	Dual 110 ~240 Vdc	Dual 110 ~240 Vdc
Switch redundancy	Virtual	Virtual	Full	Full
Spanning Tree	Yes	Yes	Yes	Yes
IGMP	1, 2, and 3 snooping	1, 2, and 3 snooping	1, 2, and 3 snooping	1, 2, and 3 snooping
QoS	4 Hardware queues	4 Hardware queues	4 Hardware queues	4 Hardware queues
Vlan	Yes	Yes	Yes	Yes
Layer 3	Yes	Yes	Yes	Yes
ACL Filter	Yes	Yes	Yes	Yes
Ipv6	Yes	Yes	Yes	Yes
Port mirroring	Yes	Yes	Yes	Yes
Bandwidth management	Yes	Yes	Yes	Yes
Storm control	Yes	Yes	Yes	Yes
SNMP	Yes	Yes	Yes	Yes
Jumbo frames	10 KB	10 KB	10 KB	10 KB
MAC table	up to 8000	up to 8000	up to 8000	up to 8000
Bonjour protocol	Yes	Yes	Yes	Yes
LEDs	Activity / Speed (1Gpbs)	Activity / Speed (1Gpbs)	Activity / Speed (1Gpbs)	Activity / Speed (1Gpbs)
Flash memory	16MB	16MB	2x 16MB	2x 16MB
CPU memory	128MB	128MB	2x 128MB	2x 128MB

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.

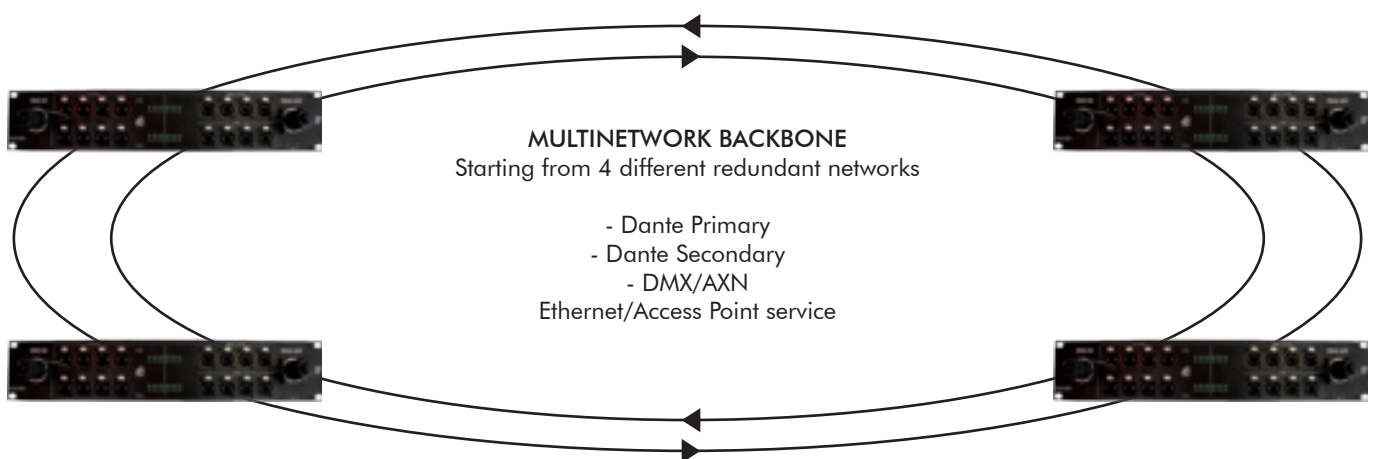
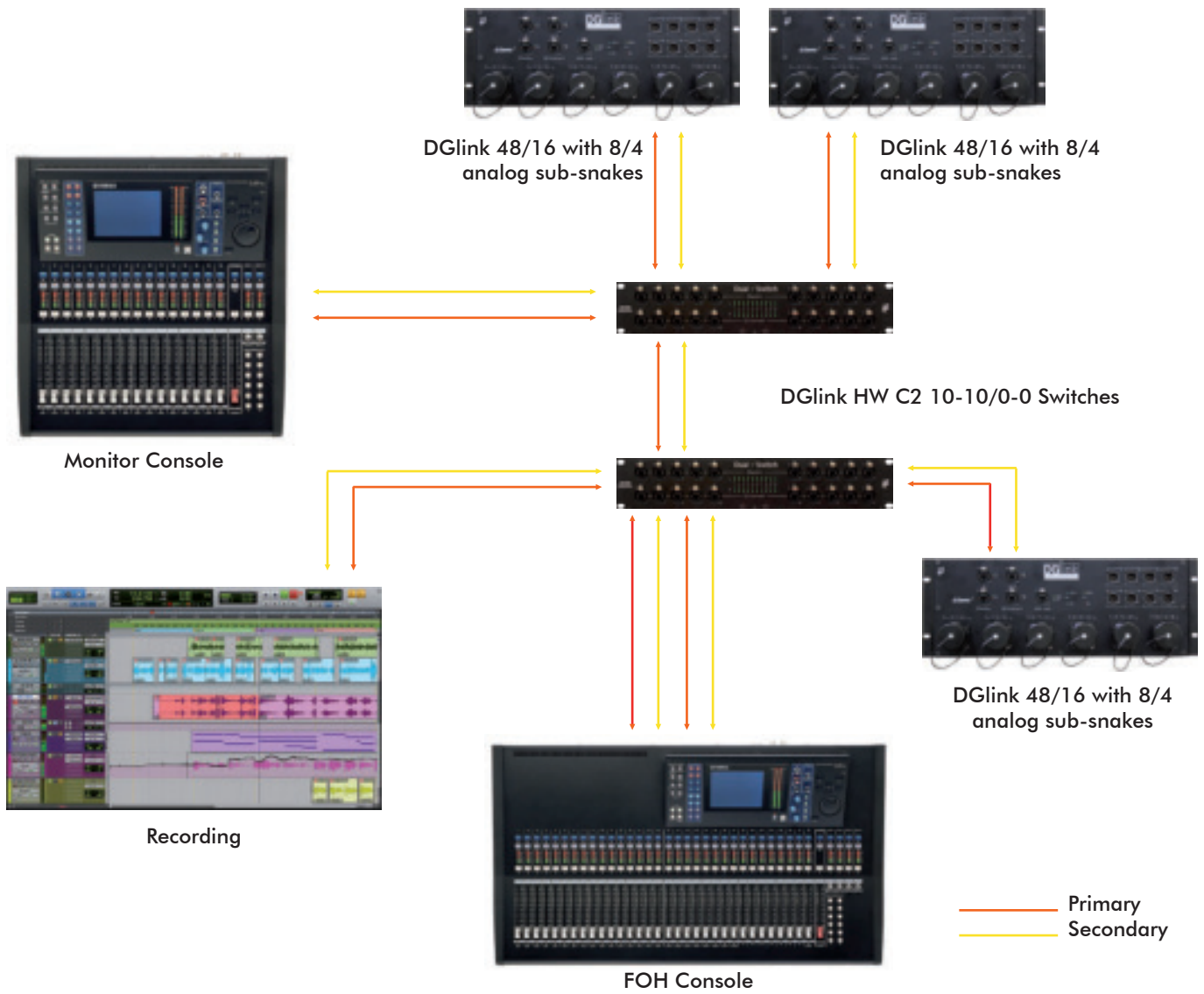
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Networking Diagram



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 extensible 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-E-BU digital audio throughout multiple amplifier racks.



Features

Multiple protocols: DGLink MDP has the option to transport and convert 2 simultaneous protocols (Dante, MADI, Ether-sound)

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	DGLink "Dante Brooklyn II" 32 inputs / 16 outputs
DGL M32/16E	DGLink "MADI" 32 inputs / 16 outputs
DGL D48/08E	DGLink "Dante Brooklyn II" 48 inputs / 8 outputs
DGL M48/08E	DGLink "MADI" 48 inputs / 8 outputs
DGL D48/16E	DGLink "Dante Brooklyn II" 48 inputs / 16 outputs
DGL M48/16E	DGLink "MADI" 48 inputs / 16 outputs
DGL D48/24E	DGLink "Dante Brooklyn II" 48 inputs / 24 outputs
DGL M48/24E	DGLink "MADI" 48 inputs / 24 outputs
DGL D64/24E	DGLink "Dante Brooklyn II" 64 inputs / 24 outputs
DGL M64/24E	DGLink "MADI" 64 inputs / 24 outputs
DGL DAMAC64	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

DGM D08/0E F8XI	1U DGLink Mini "Dante Brooklyn II" 8 inputs
DGM D0/08E F8XO	1U DGLink Mini "Dante Brooklyn II" 8 outputs
DGM D08/08E F8XI8XO	2U DGLink Mini "Dante Brooklyn II" 8 inputs / 8 outputs
DGM D16/0E F16XI	2U DGLink Mini "Dante Brooklyn II" 16 inputs
DGM D16/08E F8XI8XOR8XI	2U DGLink Mini "Dante Brooklyn II" 16 inputs / 8 outputs

- Fiber
- Primary
- Secondary

