



SD11B



SD9B



SD10B



SD7B

The Broadcast Series



2

DiGiCo

The DiGiCo Broadcast Series

Purpose built for broadcast with engineering and feature sets



SD7B Digital Broadcast Console



SD10B Digital Broadcast Console



SD9B Digital Mixing Console





DiGiCo Broadcast Series

World class broadcast mixing, with exceptional versatility.

DiGiCo Broadcast Series digital mixing systems bring a powerful new combination of abilities to the world of broadcast sound engineering. Rich and flexible feature sets, designed for broadcast, are blended with the unique audio engineering and intuitive user interface that have won DiGiCo consoles countless awards during a decade of innovation in the live music, corporate event and theatre sound markets.

At the heart of every DiGiCo console is high density digital processing, incorporating the exclusive Stealth Digital Processing™ engine, based on the latest incarnation of Super FPGA (Field Programmable Gate Array) technology. Allied to the power of dedicated SHARC® effects and control processors, with exceptional I/O capacity and routing flexibility, the SD7B, SD10B, SD9B and SD11B offer broadcast audio facilities and engineers rich, precise and

uncoloured sonic quality combined with a tremendous amount of mixing control, despite all console's frame sizes.

At every step in the design, attention to detail sets DiGiCo consoles apart from the norm. A giant 15" TFT LCD touch screen provides instant access to levels of control that sometimes lie beneath layers of menus. The comprehensive optical system design allows up to five redundant - engined consoles to share up to 14 racks with 448 I/Os across a fibre optic network. The masterfully intuitive worksurface layout with its ultra-durable backlit polycarbonate finish, provide precision automated faders and a snapshot system that makes sorting and recalling the most complex audio production as fast and precise as it is creative.

Welcome to DiGiCo Broadcast Series. And a brand new perspective on broadcast sound mixing.



SD11B Digital Broadcast Console





Standard Features:

- > Standard input channel processing includes Channel Delay; Single and Multi Channel presets; switchable filtering for HPF and LPF with an industry leading 24dB per octave slope for maximum accuracy; four bands of parametric EQ with band curve selection; DYN 1 -Compressor or De-esser , DYN 2 - Gate, Ducker or Compressor ; Dual insert points; and access to all bussing
- > Standard output channel processing includes Output delay; eight bands of parametric EQ, DYN 1 -Compressor or De-esser , DYN 2 - Gate, Ducker or Compressor; dual insert points; groups with buss to buss routing; and Auxes that have direct talk to output with dim control
- > Complete 5.1 monitoring matrix with a 48 by 6 source to speaker selection
- > Multi channel folding
- > User defined stem order selection
- > Mix Minus busses, one per Mono Channel
- > Back stop PFL (over press) and Auto PFL
- > Audio Follow video implementation for up to 32 cameras
- > Dual Solo Busses for PFL and On Air soloing in Mono, Stereo, LCRS and 5.1
- > Integrated Waves Soundgrid plug in option
- > Smart Key Macros
- > 16 GPI for external triggering of any console function or functions (Expansion option to 32) on SD7B & SD10B
- > 16 GPO for machine start, fader start and relay control (Expansion option to 32) on SD7B & SD10B
- > Remote control and offline software
- > Optocore™ Optic Connection option for up to 14 SD or D-Rack IDs with 448 audio channels on a single redundant optical loop
- > Redundant cabling
- > Overview VGA output allowing external monitoring of all channels and busses
- > Fast Boot time. Power on to full audio control in less than 30 seconds
- > 40 bit Floating Point Processing : Up to 1400dB of internal dynamic range

Take a closer look.

New visions of digital broadcast audio control.

The DiGiCo Broadcast Series offers a choice of five console worksurfaces, the desktop or rack-mountable SD11B, the sub compact SD9B, the compact SD10B-24, the full size SD10B all with a single central multifunction touch screen and their larger companion, the SD7B, designed for multi-engineer operation with three touch screens and dual redundant processor engines. All are engineered to combine portability with versatility in terms of I/O and audio network configurability. All feature identical Stealth Digital Processing™ engines for pristine audio quality. All provide a complete 5.1 monitoring matrix with 48 x 6 source to monitor selection, user-defined stem order selection and multi-channel folding.

In a 'world first' for broadcast audio engineering, these consoles also offer the option of an integrated Waves Soundgrid, bringing the same plug-in technology that has revolutionised the recording industry with broadcast-dedicated plug-ins to

allow you to greatly expand the already well-specified onboard digital effects and processors. Meaning a choice of consoles that are already future-proof as well as being powerfully equipped today.

Where the models differ principally is in the number of touchscreens, faders, bus architecture and processing power.

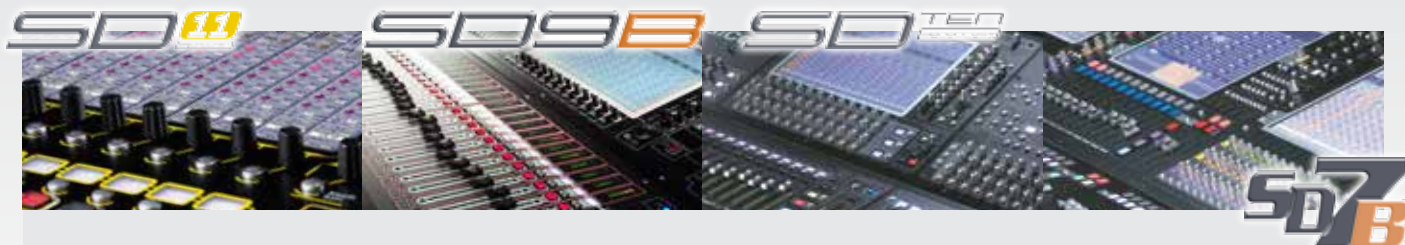
The net result is that the SD11B, SD9B and SD10B lend themselves perfectly to any single operator project, whilst the SD7B can handle the largest productions, including those that require multiple engineers.

The SD11B, SD9B and SD10B deliver a high level of performance and facilities at price points that brings the full benefits of digital audio engineering and audio networking to a wider audience within the broadcast industry. The larger SD7B raises the bar significantly to handle larger productions with ease.

DiGiCo Broadcast Consoles - new visions of digital broadcast audio control.



The DiGiCo Bro



SD11B	SD9B	SD10B / SD10B-24	SD7B
Single Large 15 Inch Touch Screen	Single Large 15 Inch Touch Screen	Single Large 15 Inch Touch Screen	Three Large 15 Inch Touch Screen
12 x 100mm Touch Sensitive Faders	24 x 100mm Touch Sensitive Faders	37 x 100mm Touch Sensitive Faders (25 on SD10B-24)	38 x 100mm Touch Sensitive Faders 14 x 60mm Touch Sensitive Faders
32 Channels with full Processing (All of which are Flexi* Channels)	48 Channels with full Processing (All of which are Flexi*)	96 Channels with full Processing (12 of which are Flexi* Channels)	Processing Paths Up to 256 (combination of Input Channels / Aux / Solo Group Busses)
12 Flexi Busses with Full Processing Master buss up to 5.1	16 Flexi Busses with Full Processing Master buss up to 5.1	48 Busses with Full Processing plus Master buss up to 5.1	Up to 128 Aux / Group busses with full processing Mono / Stereo / LCR / 5.1
8 Control Groups/VCA	8 Control Groups/VCA	24 Control Groups/VCA	36 Control Groups/VCA
Console linking (allowing multiple operators, redundancy and 24 faders)	Console linking (allowing multiple operators, redundancy and 48 faders)	Console linking (allowing multiple operators, redundancy and 74 faders)	Redundancy Internal removable engine x 2
6 x Dynamic EQ (available on any input or output whether mono, stereo, LCRS or 5.1)	8 x Dynamic EQ (available on any input or output whether mono, stereo, LCRS or 5.1)	16 x Dynamic EQ (available on any input or output whether mono, stereo, LCRS or 5.1)	256 x Dynamic EQ (available on any input or output whether mono, stereo, LCRS or 5.1)
6 x Multi Band Compressors (available on any input or output whether mono, stereo, LCRS or 5.1)	8 x Multi Band Compressors (available on any input or output whether mono, stereo, LCRS or 5.1)	16 x Multi Band Compressors (available on any input or output whether mono, stereo, LCRS or 5.1)	256 x Multi Band Compressors (available on any input or output whether mono, stereo, LCRS or 5.1)
6 x stereo FX from a palette of 33	8 Stereo FX processors	16 x stereo FX from a palette of 33	48 x stereo FX from a palette of 33
12 x 32 Band Graphic Equalisers	16 x 32 Band Graphic Equalisers	24 x 32 Band Graphic Equalisers	32 x 32 Band Graphic Equalisers
Local I/O <ul style="list-style-type: none"> > 16 Mic/Line Inputs > 8 Line Outputs > 2 Mono AES I/O > 1 MADI > 1 D-Rack 	Local I/O <ul style="list-style-type: none"> > 8 Mic/Line Inputs > 8 Line Outputs > 8 Mono AES I/O > 1 MADI > 2 D-Rack 	Local I/O <ul style="list-style-type: none"> > 8 Mic/Line Inputs > 8 Line Outputs > 8 Mono AES I/O > 2 MADI 	Local I/O <ul style="list-style-type: none"> > 12 Mic/Line Inputs > 12 Line Outputs > 12 Mono AES I/O > 4 MADI
6 Segment LED Metering per fader	8 Segment LED Metering per fader	20 Segment LED Metering per fader	Meterbridge incorporating IDM (Interactive Dynamic Metering)
6 DiGiTuBes	8 DiGiTuBes	16 DiGiTuBes	256 DiGiTuBe emulators (available on every Processing path)
			EX-007 Expansion units allowing up to a 100 Fader console

* Flexi - Configurable Mono or Stereo without the loss of any resources

Broadcast Series



Interfacing Heaven:

- > SD10B packs the power and purity of Stealth Digital Processing™, with the smoothness, accuracy and dynamic range of the latest generation Super FPGA technology with floating point processing
- > A wealth of interfacing options including MADi, Optocore and analogue connectivity, also offering massive flexibility, plus 16 GPI (expandable to 32) and 16 GPO controls (expandable to 32), with the ability to connect up to 14 racks and five redundant-engined consoles on an optical loop

DiGiCo SD10B

Compact, powerful and affordable.

The DiGiCo SD10B provides a potent blend of features, performance, flexibility and sonic clarity, at a price point that brings advanced digital technology to a wider broadcast market than ever before.

Many of the SD10B's technologies are also to be found in its larger sibling, the SD7B, instantly distinguishing it from other brands at this price point. It also features a host of broadcast-specific features that's perfect for live to air broadcast.

When you're working with large numbers of inputs and outputs, the SD10B will readily accommodate you.

Facilities include 96 channels with full processing, 12 of which are Flexi Channels that can be configured as mono or stereo, with full processing available in either

mode, 48 assignable busses that offer multiple configurations, plus a stereo, LCR or 5.1 master buss and a complete 5.1 monitoring matrix with a 48 x 6 source to speaker selection.

For exemplary sound quality and transparency the SD10B works with the next generation of I/O, in the shape of the DiGiCo SD-Rack which delivers up to 192kHz high resolution analogue conversion.

That's complemented by the powerful option of a fully integrated Waves Sound Grid, for a wealth of world-class, ultra-low-latency broadcast-specific effects.

All of this comes in a form factor that is simple to work within the tightest OB truck or studio, which makes the SB10B system readily shippable as a fly pack.





SD TEN BROADCAST

The ultimate in intuitive user interfaces provides clear and fast access to the console's powerful audio processing

08



At DiGiCo, intuitive, creative, fluid mixing is
at the heart of our user interface design.





- > Effects, dynamics and equalisation can be summoned up for each channel in a split second, with no hunting through multiple menus, via the 15" TFT LCD touch screen



- > 40 user-defined Macros provide fast access to key parameters and, in conjunction with the snapshot facilities, open an exciting new realm of possibilities



- > Every button is backlit for clarity in the dimmest working conditions (you can adjust the overall brightness of the interface to suit the ambient light) yet the touch screen remains clear even under bright daylight

Take a clearer look at your mix

Intuitive, creative, fluid mixing is at the heart of our design.

At DiGiCo, intuitive, creative, fluid mixing is at the heart of our user interface design. The work surface is constructed from anodised aluminium, overlaid with polycarbonate panels to provide clear and concise user feedback, while a giant 15 inch, digitally driven, full colour TFT LCD touch sensitive screen provides you with plentiful feedback as well as fast control of all the main parameters.

The touch screen eliminates complex menu-driven interfaces, with nothing ever further than one touch away. Your mix is created on a bank of 37 (25 on SD10B-24) full-length motorised faders with accompanying high resolution bar graph meters to allow fast access to the large number of channels and outputs that can be assigned across the surface.

A dedicated VGA port allows connection of an external Overview screen, providing a clear view of all channels, busses, metering, fader positions and other key features.

The SD10B's snapshot flexibility provides a wealth of facilities including global scope and snapshot specific recall, with the unique ability to crossfade no less than eight specific parameters within a snapshot – panning parameters, for example, or the ability to create a smooth 'morph' between EQ settings; the creative possibilities of the feature are virtually limitless.

It also provides the facility to take the console offline, enabling snapshot editing without affecting audio. Smart Key Macros are positioned on the right hand side of the SD10B's surface, with an expanded configuration of four layers of ten RGB backlit smart keys for a total of 40 Macros. The user can program these to control any simple, or complex, functions they want to be able to recall at the push of a button.





- The SD10B is also available in a smaller frame size (SD10B-24) with 25 motorised faders and 26 meters

The SD10B - channels and busses

SD10B provides the power to deliver with large numbers of inputs.

96 channels with full processing head the specifications, 12 of which can be configured as full Flexi Channels, allowing stereo channels to be created without losing resource – unlike other consoles on the market. All inputs are equipped with dual mono inputs for fast 'Main' and 'Alt' channel switching.

Using DiGiCo's Flexi Channel feature up to 108 simultaneous inputs are available. Each of the Flexi Channels audio input faders can be selected to handle either mono or full stereo channels, or main and alternative inputs, ideal for shows with large numbers of stereo inputs, each with its own full EQ and dynamics.

With the ability to assign and unassign any Channel or buss to any fader, you can easily build custom fader banks – making the entire worksurface fully customisable. For example, you can set up the desk so that no matter what fader bank you're working with, a presenter, for example, can always be on the same fader.

Standard input channel processing includes Channel Delay; Single and Multi Channel presets; switchable filtering for HPF and LPF with an industry leading 24dB per octave slope for maximum accuracy; four bands of parametric EQ with band curve selection; DYN1-Compressor or De-esser; DYN2 - Gate, Ducker or Compressor; Dual insert points; and access to all bussing.

Standard output channel processing includes Output Delay; eight bands of parametric EQ, DYN1-Compressor or De-esser; DYN2 - Gate, Ducker or Compressor; Dual insert points; Groups with Buss to Buss routing; and Auxes that have direct talk-to-output with Dim control.

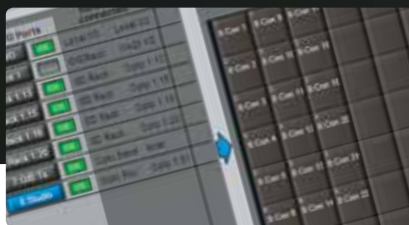
The ability of the SD10B to provide folding and unfolding of 5.1 mixes delivers exceptional flexibility at this price point. It's a matter of a single button press to fold a complete mix onto one fader, and another to unfold it again onto six so that individual channels, such as dialogue or effects, can be

adjusted within the mix and then re-folded to a single fader again.

16 Dynamic EQ processors are available simultaneously, while multi-band compressors can be assigned to any input or output channel, perfect for managing difficult input channels or complex IFB feeds.

The 48 assignable busses can be configured as mono, stereo, LCR or 5.1 groups, or as auxiliary busses. Adding to this already substantial bussing resource are an additional stereo, LCR, LCRS or 5.1 Master buss and a complete 5.1 monitoring matrix with 48 x 6 source to speaker selection.

The master section incorporates 24 32-band gangable graphic equalisers with centre-detent faders for fast system set-up, along with 12 control groups. And the snapshot facilities allow you to switch between complete configurations during rehearsal, system setup or the show in an instant.



- > Versatile and efficient: the SD10B's intuitive ergonomic design provides instant access to all 96 channels with full processing, including 12 Flexi Channels

- > Console buss linking via the Optocore fibre optic network allows any console to pick up any audio input on the network. Additionally linking two consoles via a CAT5E communications network allows multiple operator/ multi worksurface working on up to 74 faders and, if desired, full engine redundancy for audio, computer and OS

- > 16 Dynamic EQ processors provide both expansion and compression on all four bands of the parametric EQ. Up to 16 of these powerful processors can be assigned to any of the input or output channels, whether they are mono, stereo, LCR or 5.1

The SD10B system: networking by design.

The SD10B has been developed with flexible networking capabilities as an integral aspect of its design.

The SD10B has been developed with flexible networking capabilities as an integral aspect of its design. Local I/O, positioned on the rear of the console, consists of eight Mic inputs, eight Line outputs, eight Mono AES I/O, two MADI connections with redundant cabling connections, 16 GPI and GPO connections – with the option to expand to 32 GPI and GPO, with Wordclock for synchronisation with external devices.

An optional HD-SDI rack module accepts standard or high def video on BNC with up to 16 audio channels embedded. Eight can be stripped out, mix them in the console and re-embed them back with the video stream.

Like all DiGiCo consoles, the SD10B software will run on a standard PC or Intel based Mac to allow offline preparation of sessions or remote control of the console;

all console functions are also available on the PC, and the software interface is identical.

In the same way as an SD10B can be remote controlled by a PC, one SD10B can be linked to another using a standard CAT5E crossover cable. The two consoles are then both available simultaneously, providing 74 faders for control. In this configuration, the audio engine of the first SD10B will also provide complete redundancy for the other.

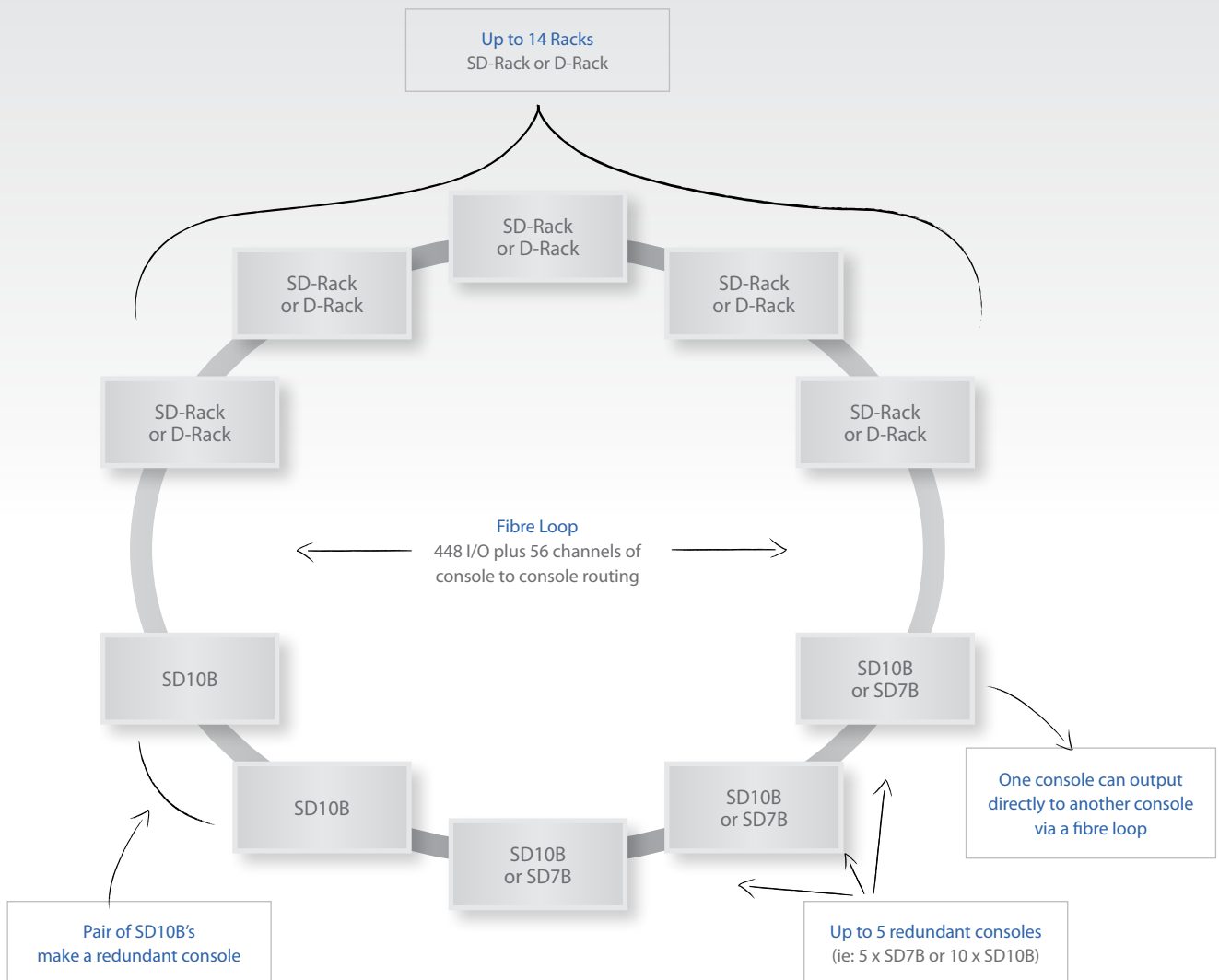
Five redundant consoles can share all inputs from the I/O racks, and outputs on the system can be assigned in blocks of eight. Taking a typical outside broadcast system as an example, a single rack can provide 56 inputs to both consoles, with 40 of the outputs assigned to the OB van console and the other 16 used by another engineer for an external mix. The system also allows one

console to directly route outputs to another console on the loop, for convenient tie lines.

Also connectivity to the outside world isn't restricted to just the D-Rack and SD-Rack. The SD10B comes with different I/O options because tailored DiGiCo systems and complex set-ups are completely user configurable. You also get dual hot-swappable, switch mode power supply units as standard.

The dual BNC MADI connections are the key to another key aspect of the package – allowing your SD10B to interface directly with external devices and digital recording systems. While one MADI can be used for a local rack, the other can route all 56 inputs to any MADI compatible recording system or MADI router.

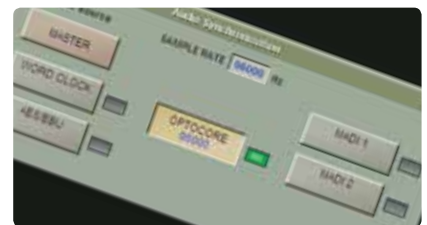




- > Second-generation Optocore optical connections allow you to connect to your SD10B with up to 14 SD or D-Rack IDs with 448 audio channels on a single redundant optical loop



- > The SD10B's worksurface incorporates a convenient flat area at top left to hold a laptop or production script – with sturdy steel locating pegs to keep it in place



- > The DiGiCo D-Rack, SD-Rack, SD7B and SD10B can all operate together at 96khz. The audio advantage here is very clear, and the speed means just over 1ms of latency when routing an input through a channel and buss with processing back to a monitor output.



Interfacing Heaven:

- > Touch screens have always been part of the DiGiCo worksurface experience. On the SD7B they've leapt ahead of current standards.
- > Intuitive touches such as electronic scribble strips and labellable buttons are also here, matched to full-colour backlit control knob collars and RGB HTL (Hidden Till Lit) context-sensitive indicators that appear just when they're needed
- > With DiGiCo VNL (Video Network Link) you can communicate visually via a video feed from any location you select – such as a studio floor, TX feed, control room or OB van

DiGiCo SD7B

True power for complex productions.

The DiGiCo SD7B has the routing capacity, processing ability and a generous user interface to form the heart of the most complex broadcast audio productions.

Multiple operator engineering is made easy by the provision of three giant 15" TFT LCD touch screens, each of which sits above a bank of 12 faders. Adding EX-007 Expander Units takes the active physical fader count to 100 without any need to access input channel banks.

Either way you'll see your complete signal flow laid out with unprecedented clarity, with the worksurface handling up to 896 simultaneous optical plus 224 MADI, 24 analogue and AES/EBU connections on an SD7B system, along with 128 busses (each with full processing in mono, stereo, LCR or 5.1), 32 matrix busses and 32, 32-band graphic equalisers.

The backlit polycarbonate work surface with its HTL (Hidden Till Lit) indicators is

both a vision of clarity in any ambient light, and a paragon of durability.

Two new-generation Tiger SHARC® chips provide an awesome array of high quality reverbs and effects, and you have the option to specify an integral Waves® Soundgrid, with its own dedicated processing engine, for access to ultra low-latency broadcast-specific plug-ins that take no resources from the console's main processing engine.

You have the reassurance of two complete redundant, hot-swappable processing engines fitted as standard within the console.

With unique, innovative touches like built-in VNL video monitoring, IDM (interactive dynamic metering) and a design that will give you full dynamic equalisation on any single path simultaneously, never has so much power to design, create, fine-tune, mix and master been so literally at your fingertips.





SD7B

The DiGiCo SD7B has the routing capacity, processing ability and a generous user interface to form the heart of the most complex broadcast audio productions.



Powerful control right at your fingertips

Created to handle extensive and challenging work. Get it right, first time.

The SD7B's feature set has been created to handle extensive and challenging work. When it comes to creating live to air mixes that have to be right first time, the SD7B comes into its own.

Up to 256 Processing Channels are available, in any combination of Input Channels, Auxes, Group and Solo Busses, plus mix minus busses, along with up to 128 Auxilliary / Group busses with full

processing, each of which can be selected as mono, stereo, LCR or 5.1. Complementing these are 36 Control Groups (VCA style). Backstop PFL is available on every channel.

256 Dynamic EQ processors are available on any input or output whether mono, stereo, LCRS or 5.1, as are 256 Multi Band Compressors, also available on any input or output whether mono, stereo, LCRS or 5.1. 48 simultaneous internal Stealth digital

effects are also at your disposal, from a palette of 33 – expandable, if you wish, via the optional Waves Soundgrid with broadcast-specific effects and processing.

Whatever tool you're reaching for, the SD7B's colour coordinated halo rings, scribble strips, screens and modules give you instant recognition of operation modes.

They're complemented by Interactive Dynamic Metering which brings a new



-

-

- 17



The SD7B is a supremely well connected console.

Networking and interfacing

MADI, Optical, Redundancy, AES. It's all there.

The SD7B is a supremely well connected console. Four MADI ins and outs on BNC connectors provide full redundancy options for 224 duplicate connections to DiGiCo rack frames or any MADI multitrack recorder.

On console I/O is well specified, with every module having 12 analogue mic/line inputs and line outs plus 12 AES/EBU

I/Os, and the desk can run two high speed Optocore loops, with any combination of 448 inputs and outputs on each loop. That's a total of 896 optical connections and 224 MADI connections running simultaneously on the console. The local I/O connections, meanwhile, are great for fast outside broadcast setup before setting up the racks.

- > Local I/O comprises 12 Mic/Line Inputs, 12 Line Outputs, 12 Mono AES I/O and 4 MADI interfaces
- > 256 Digitube emulators are available on every processing path



EX-007 - Fader Expansion Unit

Transform the already impressive SD7B into a 100-fader mixing console with two EX-007's.

The EX-007 is designed to substantially increase the number of available faders and the number of channels controllable at any one time on an SD7B - and from a distance of up to 100 metres via a cost-effective CAT5E cable connection.

You can augment an SD7B with up to two EX-007s, each acting as a control panel to provide 24 faders and two additional touch screens, as well as metering and other standard functions, transforming the

already impressive SD7B into a 100-fader mixing console.

The EX-007 comes with the assurance that it will work with not only the SD7B but future products in the SD7B family too.

EX-007

The EX-007 networks to the SD7B, has its own power supply and its own PC. As well expanding an SD7B, the EX-007 can also be used to control every function on the main desk from multiple locations up to 100m away.

It also has the benefit of being substantially smaller than the SD7B



Interfacing Heaven:

- > SD9B Packs 48 Flexi Channels and 16 Flexi busses into an extremely compact form factor.
-
- > As well as this already substantial bussing resource, an additional three 5.1 busses can be added.
-
- > 24 touch sensitive moving faders below a 15" touch sensitive screen make the SD9B as simple to use at speed as any other DiGiCo console.
-

DiGiCo SD9B

True power for complex productions.

The DiGiCo SD9B builds on the proven platform of the SD9, providing high channel count processing within a small frame format. With 48 input Flexi-channels and 16 Flexi-busses, the SD9B makes the perfect combination of size and features.

The 24 fader surface with the large 15" digitally driven touch screen interface offers an ideal user interface. The SD9B easily interfaces to a wide range of systems thanks to a wealth of connectivity options. 8 Analogue Mic Line Inputs, 8 Line Outputs, and 4 mono AES I/O are provided, in addition to which users have the option to connect up to two DiGiCo D-Racks to the CAT5E ports. These each provide 32 Microphone Inputs and up to 16 outputs.

Further connections include a MADI Port, GPI/O, MIDI Word Clock, and the factory option of upgrading the SD9B with Optocore connectivity.

The standard set of SD9B channel processing includes advanced EQ and dynamic tools to rival much larger consoles. Dual input Flexi-channels provide fast "Main" and "Alt" channel switching, which are ideal

for events where a large number of spare microphones may be required.

All channels, both input channels and output busses, feature processing that includes channel delay, HPF and LPF with an industry leading 24db/Octave, 4 Band parametric EQ with the option of dynamic EQ processing, flexible dual dynamics processors including single and multiband compressors, de-esser, gate, ducker and a compressor with a side-chain input.

The Monitor Matrix allows users to define 8 monitoring sources, each supporting a 5.1 surround input. This routes to 3 speaker sets, again each supporting full 5.1 surround. Backstop PFL and Auto (Fader) PFL, combined with 2 configurable solo busses, complete the monitoring setup.

5.1 Inputs and outputs are efficiently handled using the multi-channel capability. A single 5.1 input channel, or 5.1 Master buss, can be unfolded to display the individual "legs" allowing adjustment to the individual elements. LCR and LCRS formats are also supported for total flexibility.





SD9B

Building on the proven SD9 platform, the SD9B provides high channel count processing within a small frame format.



Interfacing Heaven:

- > SD11B combines the proven power and purity of Stealth Digital Processing™, the smoothness, accuracy and dynamic range of the latest generation Super FPGA technology with floating point processing with a compact table-top form factor
-
- > As well as this already substantial bussing resource, an additional LCR, LCRS or 5.1 Master buss and 8x8 output matrix is provided
-
- > 12 touch sensitive moving faders below a 15" touch sensitive screen make the SD11B as simple to use at speed as any other DiGiCo console.
-

DiGiCo SD11B

True power for complex productions.

The SD11B is a compact 19 inch rackmount or desktop mixer. By simply removing the end cheeks and armrest, 19" rack fixings are revealed, making this a low cost, yet powerful solution to incorporate into almost any mixing environment.

Manufactured with a steel chassis for strength and a polycarbonate-overlaid, aluminium work surface for reduced weight, the SD11B features 16 Microphone pre amps, eight line outputs and two mono AES I/O, in addition to which users have the option to connect a DiGiCo D-Rack to the CAT5EE port. This provides a remote I/O rack frame with an additional 32 Microphone inputs and up to 16 outputs.

Further connections are a MAD1 port, GPI/O, MIDI, Overview screen output, Word Clock I/O, an Ethernet port for console remote control / networking and a USB port for file exchange and session backup.

The SD11B features 32 input channels with full processing, ALL of which can be configured as full Flexi Channels. All inputs have dual mono inputs for fast 'Main' and 'Alt' channel switching, which are ideal for broadcasts

where a large number of spare microphones may be required. Standard input channel processing includes channel delay; single and multi channel presets; HPF and LPF, with an industry leading 24db per octave; four bands of parametric EQ with band curve selection; DYN1- Compressor or Ducker, DYN2- Gate, De-esser or Compressor; moveable insert point and access to all bussing.

Standard output channel processing includes output delay; four bands of parametric EQ; filtering; DYN1- Compressor or Ducker, DYN2- Gate, De-esser or Compressor; moveable insert point; groups with buss to buss routing; and Auxes that have direct talk to output with dim control for fast studio floor communication.

Dynamic EQ provides both expansion and compression on all four bands of the parametric EQ. These powerful processors can be assigned to any of the input or output channels, whether they are Mono, stereo or LCR or 5.1 and six units can be allocated as required. Multi-band compressors are also installed, giving the user extended dynamic control of any input or output channel.





At last, the full power of Stealth Digital Processing™ in a compact, desktop / rack mountable system.



The power of Stealth® Digital Effects & Waves® SoundGrid.

The SD10B & SD7B have been developed with flexible networking capabilities as an integral aspect.

All SD Series broadcast consoles come as standard with a powerful, sonically smooth set of insertable effects and graphics, powered by a dedicated Stealth digital effects engine, allowing their full capabilities to be used without drawing on the main console engine's resources. These can be routed, controlled, stored and recalled in snapshots, for the most complex audio production.

The 32 band graphic equalisers can easily be inserted and controlled from the work surface faders and touch screen while all Stealth stereo effects units can be configured at any time from the palette of 33 Stealth effects, including reverbs, choruses, pitch shifters and delays. All Stealth effects are fully automatable,

enabling their user-set parameters to be stored as individual presets which can then be triggered from within snapshots. Effect type, parameters and routing can all be stored in the user presets.

If you want even more processing and effects, the option of a fully integrated Waves Sound Grid - with broadcast-specific plug-ins to complement the huge range of plug-ins already available for recording and live music applications - opens up a whole world of choice.

Using Super FPGA (Field Programmable Gate Array) technology with an ultra-short signal path for minimal latency (just over 1mS), the DiGiCo Waves SoundGrid module places the legendary lineup of powerful Waves plugins at your fingertips.

These include the hugely popular bundles such as Mercury, SSL 4000 Collection, GTR3, JJP Analog Legends, Studio Classics Collection, The API Collection and Gold. Popular plugins you can now enjoy with your DiGiCo console's crystalline sound include PS22 Stereomaker and WNS Noise Suppressor.

And if your need is to create a recording of the master with all the internal and Waves effects together, it's a breeze for DiGiCo's MADI-based multitrack recording I/O - a fully integrated solution all round.



PS22 Stereo Maker



WNS Noise Suppressor



WLM Loudness Meter



- > The choice doesn't only extend to the range of Waves effects - DiGiCo takes the concept of Waves integration even further than the norm. Unlike all other Sound Grid platforms, DiGiCo provides complete control of plug-in parameters, as well as recall of snapshots, simple loading and saving directly from the consoles' surface.

- > Console-based MultiRack software allows you to set up, control, recall, snapshot and save Waves plugin configurations as an integral part of your overall mix setup, while the processing power of the dedicated SoundGrid module allows the SD Broadcast Series own processing power to remain dedicated to the task of driving the console and its worksurface.

- > The DiGiCo Waves setup gives you instant access to up to 16 fully integrated, low latency Waves stereo processor racks, on an SD11B, SD9B and SD10B and 32 on an SD7B, with up to eight plug-ins in each rack. Waves TDM plugins collections can be used too.



Plugin Bundles

Bundles and existing Waves plugins available online at www.waveslive.com or from Waves dealer/distributor



PAZ Analyzer



W43 Noise Reduction



Q10 Paragrophic Equalizer



Renaissance Equalizer



Waves MultiRack



Vocal Rider



Expand your horizons

The DiGiCo SD-Rack, SD-Mini Rack, SD-Nano Rack and D-Rack, perfect partners for the SD Series Broadcast.

SD-Rack, the world's first intelligent I/O rack, is the natural partner for the Broadcast Series. Based on the same Stealth FPGA technology as the SD Range, it offers multiple synchronous I/O and up to 448 physical I/Os on a redundant loop at 48kHz or 96kHz. Versatile sample rate conversion means that while the SD7B provides 256 processing paths of 96kHz I/O, you can also select other sample rate options for specific outputs – MADI at 48kHz, for example, or 192kHz.

In conjunction with a DiGiCo console, the SD-Rack will serve as a multi-sample rate signal splitter that also allow the ultra-

smooth DiGiCo microphone preamps to replace the standard mic preamps of an analogue or other digital console.

Digico HD-SDI cards will also allow you to de-embed and re-embed any combination of up to 4 of the available 8 AES3-compatible streams per I/O module. Then there's the versatility of Gain Tracking™ and splitting. Gain Tracking™ allows another console to take any of an SD-Rack's AES, analogue or MADI stream outputs at a stable output level, irrespective of the microphone preamp settings on the SD Range, covering a signal level range of +/-40dB.

Gain Tracking is also provided on the SD-Rack's analogue outputs, allowing you to split the input signals directly out to, for example, an analogue monitor console.

These facilities have become increasingly in demand for complex productions requiring a combination of digital and analogue consoles. The Gain Tracking feature – switchable per I/O card – simply allows an audio team to select whether or not individual outputs should follow the console's microphone preamp settings or not.

Not only is the SD-Rack unique in allowing multiple sample rates, all these connections



SD-Rack, the world's first intelligent I/O rack, is the natural partner for the DiGiCo broadcast consoles.



- > '48V present' LEDs confirm 48V is present per XLR. A further LED indicates signal present and clip at each analogue input, giving you a complete picture of activity on the SD-Rack itself.
- > Dual hot swappable power supply units are located at the top of the rack for fast access, so that your connector looms can remain in place near floor level while the more frequently accessed components are right on top.
- > The 56 input / 56 output arrangement, in blocks of eight, allows you to populate the SD-Rack with the I/O cards to suit your application. And the cards themselves are hot-swappable, with the SD-Rack automatically detecting the card that has been plugged in.
- > Up to 14 rack IDs can be connected on a single optical loop.



Purple Box: Dual Channel MADI to Optical Converter. Transmit & Receive 128 channels of audio utilising MADI over Multi Mode or Single mode Fibre. Available with HMA, OpticalCON or ST Interfacing.

have the ability to be Gain Tracked, so that even if a console is connected to a non-DiGiCo console, the feed will be unchanged regardless of the gain settings of the preamp.

Connections to the console are completed by a dual MADI pod with six BNC connectors, providing a MADI main and a MADI auxiliary. These can be switched to allow for running at 96KHz, or to provide redundancy at 48KHz on the splits.

The dual MADI pod also provides for a main and aux split, which again can be switched to run at either 48KHz or 96KHz. Further enhancing flexibility, these can be

running at a different sample rate to the optic loop.

The latest I/O card options include an 8-in/8-out DANTE (Audinate) module, allowing your console to be fully integrated into networked audio systems via a CAT-5 cable. Remote setup and monitoring of all SD-Rack settings can be performed with a PC or Apple Mac, thanks to the SD-Rack USB Port feature.

A compact I/O rack option, the D-Rack, is ideal for when your I/O requirements may be divided between multiple I/O locations. The DiGiCo D-Rack, with its fixed architecture and optical I/O running at 96kHz, is the perfect cost-effective partner for your main SD-Rack.



D-Rack (with optics)

32 Mic in 8 Analogue Out with showing optional 8 AES Mono Stream Outputs, 8 Analogue Outputs and 19" Rack Ears



SD-MINI Rack and SD-NANO Rack

Size is not important - it's what it can do.

The SD-MINI and SD-NANO Racks are the latest additions to the DiGiCo range of high sample rate racks, complementing the SD and D racks to make a completely flexible remote rack solution for any situation.

The SD-MINI is a 4U rack and can accept SD input and output cards be they analogue or digital including AES/EBU, Dante, AES-42, ADAT, HD-SDI and Aviom. Running purely digital the MINI can run up to 32 ins and outs or if it's all analogue you need then a maximum of 32 ins or outs is possible or any combination in banks of eight (8 in

and 24 out for example). The MINI has MADI connectivity as standard with optical as an option. With the ability to multi sample rate to convert external devices via MADI and also the ability for Gain Tracking™.

At the smallest end of the spectrum is the SD-NANO Rack. This 2U rack works almost exactly the same way as the MINI except it is half the size and therefore is perfect for space restricted areas. The NANO is only available with optical connectivity.

So, when you need smaller rack frames the MINI and the NANO are there to provide

you with flexible, affordable digital I/O totally compatible and controllable with the full range of DiGiCo consoles and the larger SD and D racks. With up to a total of 14 racks on one optical loop, or 28 on a dual loop system, it is easy to see the potential for any broadcast environments. This, coupled with the ability for any of the five consoles that can sit on one optical loop being able to address all inputs and individually address output slots on any rack, giving the flexibility and power to make any complex situation easy and intuitive.





NANO Rack showing 8 Mic in and 8 Line out



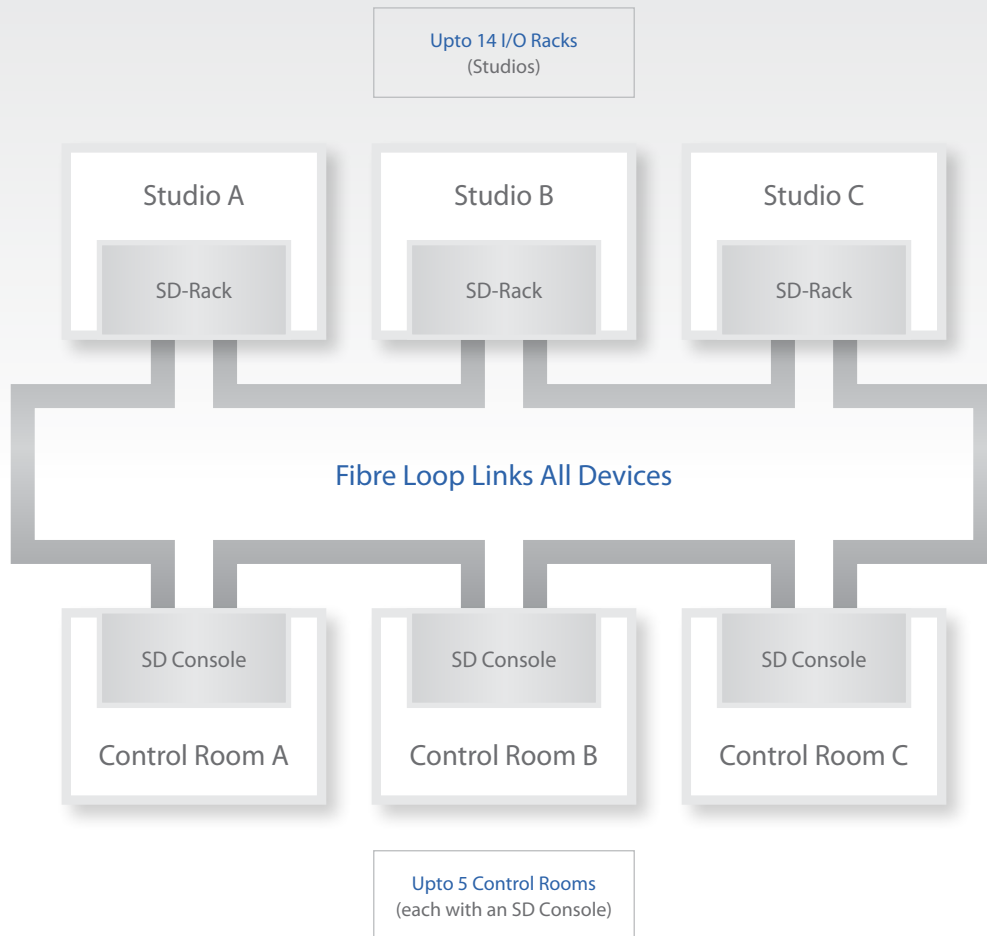
NANO Rack showing 16 AES streams in and out



NANO Rack rear showing dual power supplies



MINI Rack rear showing dual power supplies



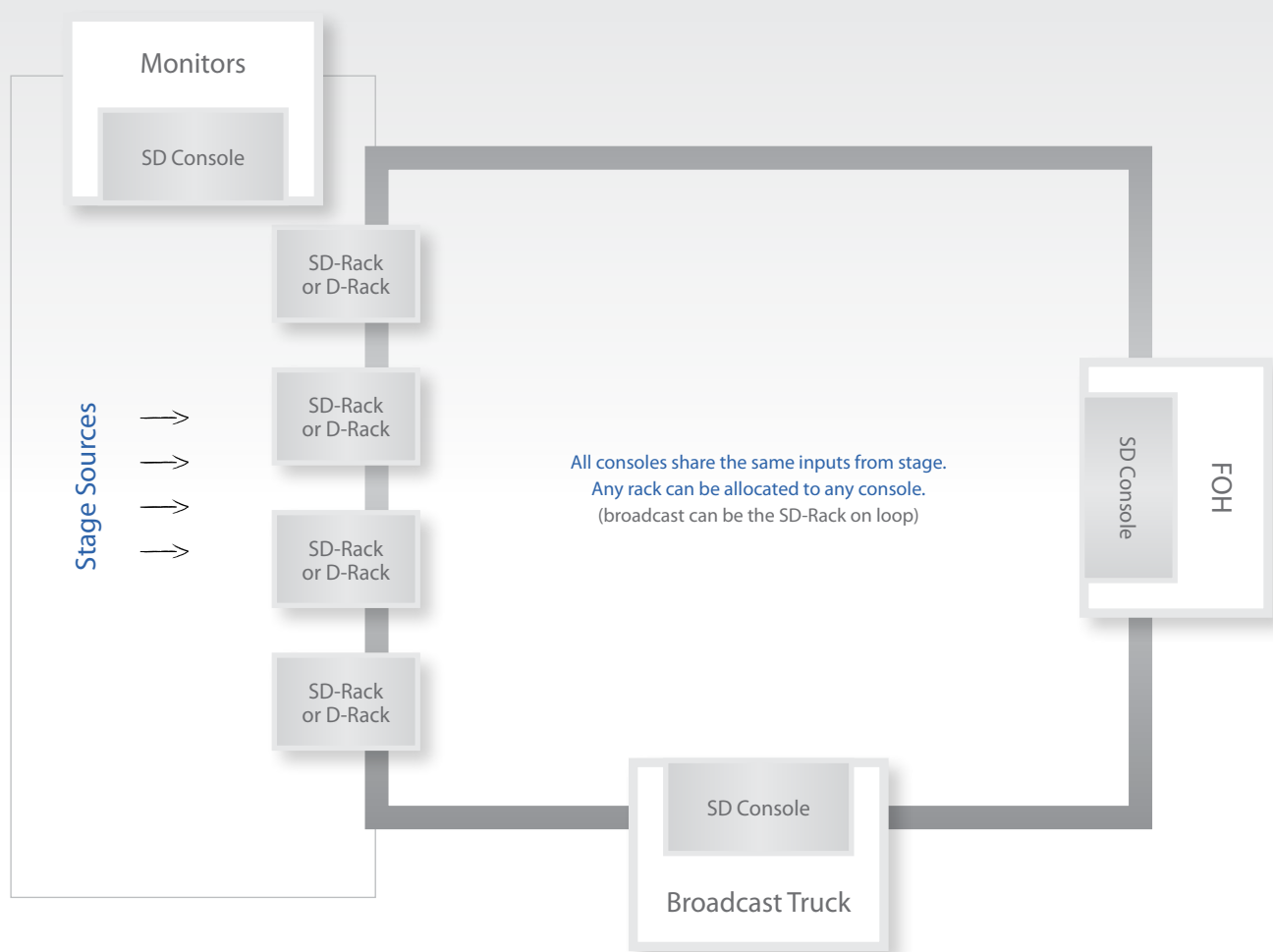
Multi – Room Broadcast Facility

Example Application

DiGiCo's Fibre implementation is ideally suited to Multi-Room Broadcast facilities, as it provides the ability to connect up to 14 SD or D Racks and 5 redundant engine consoles. The fibre-loop system allows for flexible configurations that can be easily reconfigured to suit the task, while offering full redundant operation.

Implementing 2 loops on the SD7B, allows a capacity of 448 I/O's per loop and up to 350m between each connected device using Multi-Mode Fibre. Switching to Single-Mode fibre extends the distance between each connected device to multiple kilometres. The fibre loops have plenty of capacity to cope with the requirements of a large multi-room facility.

In this example, a number of studio areas are linked to multiple control rooms using a single fibre loop. Each of the control rooms house a redundant SD Console (either the flagship SD7B, or a pair of redundant SD10Bs); each of these consoles can receive inputs from any of the studio racks and output to any rack on a card by card basis. Once configured, the fibre system can be locked, preventing accidental reconfiguration of the system during broadcast operation.



Simultaneous Live Broadcast & Sound Reinforcement

Example Application

The above system is a real example of a simultaneous live broadcast and sound reinforcement system. With 300m between consoles, an integrated solution like this was made possible utilising DiGiCo's implementation of fibre.

This system allows multiple redundant consoles to share a large number of inputs from a stage; each redundant console is able to operate independently, for example, providing Front of House, Monitor or Broadcast mixes. The use of shared SD or D Racks and Gain Tracking™ means any of the consoles can take control, leaving the other operators to mix the show

The SD Rack outputs can be freely allocated to any console on the optical loop, providing convenient audio distribution and routing from each of the SD consoles. Additional console to console routing via the fibre loop allows sub-mixes and local audio sources to be shared and distributed.

Specifications

Detailed Product Specifications

SD11B General Specifications

Faders	12 x 100mm touch-sensitive, motorised
Screens	1 x 15" (38cm) LCD high - resolution touch screen
Meters	12 x 8-segment LED bargraph
Input Channels	32 Channels (ALL of which can be flexi channels)
Bussees	12 Mono or Stereo bussees + LR/LCR/LCRS/5.1 Master buss
Solo bussees	2 stereo bussees
Matrix	8 x 8 matrix (additional to bussees above)
Control Groups	8, selectable for VCA-style, Moving fader, Mute Group
Graphic Eq	12 x 32-band, Gain +/- 12dB
Internal FX	6 Stereo FX processors
Local I/O	16 x mic/line on, 8 Line out, 2 x AES/EBU I/O
MADI interface	1 x 75 ohm BNC connectivity
Optic Interface	Optocore (Optional Factory Fit Only)
MIDI Interface	In / Out / Thru
VGA Port	DB-15 Mini-Female (1024 x 768 Resolution)
USB Ports (3)	USB 2
Light Connection (2)	XLR3 1.2 – 12V
Ext Sync	Word Clock, AES, MADI, Optics
Headphone	TRS Unbalanced / 8-600 Ohms 1/4 Inch Jack
Dimensions	483mm/19inch (w) x 577mm/22.7inch (d) x 232mm/9.1inch (h)
Weight	24Kg
D-Rack	412mm/16.22inch (w) x 312mm/12.3inch (d) x 179mm/7inch (h)
D-Rack Weight	7.4Kg (16lbs)

SD9B General Specifications

Faders	24 x 100mm Touch-sensitive, motorised
Screens	1 x 15" (38cm) LCD high - resolution touch screen
Meters	24 x 8-Segment LED bargraph
Input Channels	48 channels Mono or Stereo (all of which are Flexi Channels)
Bussees	16 Flexi Bussees with Full Processing Master buss up to 5.1
Solo bussees	2 Mono or Stereo or Surround
Matrix	16 x 16 Matrix (additional to bussees above)
Control Groups	8, Selectable for VCA-style, Moving fader, Mute Group
Graphic Eq	16 x 32-band, Gain +/- 12dB
Internal FX	8 Stereo Stealth™ FX processors
Local I/O	8 x Mic/line I/O, 4 x AES/EBU I/O (mono)
MADI interface	2 x 75 ohm Redundant BNC connectivity
MIDI interface	In / Out / Thru
VGA port	DB-15 mini-female (1024 x 768 resolution)
USB ports (3)	USB 2
Light connection (2)	XLR3 1.2 – 12V
Ext Sync	Word clock, MADI, AES
Headphone	TRS unbalanced / 8-600 ohms 1/4 inch Jack
Dimensions	878mm (w) x 785mm (d) x 262mm (h)
Weight	36Kg/79.37lbs (105Kg/231lbs with optional flightcase)
Optional Flightcase	1063mm (w) x 1131mm (h) x 472mm (d)
Power	90-264 VAC, 47-63Hz Auto Sensing. Requirements: 235 watts
Redundancy	Internal PSU x 2 (optional)

SD10B General Specifications

Faders	37 x 100mm Touch-Sensitive, Motorised (25 on SD10-24)
Screens	1 x 15" (38cm) LCD High - Resolution Touch Screen
Meters	38 x 20-Segment LED Bargraph (26 on SD10-24)
Input Channels	96 Channels, 12 Flexi
Bussees	48 Mono or Stereo Bussees + LR or LCR Master (or 5.1 Master on Broadcast)
Solo Bussees	2 Stereo Bussees
Matrix	16 x 16 Matrix (Additional to Bussees Above)
Control Groups	24, Selectable for VCA-style, Moving Fader, Mute Group
Graphic EQ	24 x 32-band, Gain +/- 12dB
Internal FX	16 Stereo FX Processors
Local I/O	8 x Mic/Line I/O, 8 x AES/EBU I/O (Mono)
MADI Interface	2 Redundant Interfaces, 75 Ohm BNC Connectivity
Optic Interface	Optocore (Optional Factory Fit Only)
MIDI Interface	In / Out / Thru
VGA Port	DB-15 Mini-Female (1024 x 768 Resolution)
USB Ports (3)	USB 2
Light Connection (2)	XLR3 1.2 – 12V
Ext Sync	Word Clock, AES, MADI, Optics
Headphone	TRS Unbalanced / 8-600 Ohms 1/4 Inch Jack
SD10 Dimensions	1398mm (w) x 818mm (d) x 285mm (h)
SD10 Weight	60Kg/132lbs (175Kg/385.80lbs with Optional Flightcase)
SD10 Flightcase	1586mm (w) x 1158mm (h) x 504mm (d) Weight 115Kg/253.53lbs (Optional)
SD10 Power Requirements	90-264 VAC, 47-63Hz Auto Sensing. 235 watts
SD10-24 Dimensions	982mm (w) x 799mm (d) x 286mm (h)
SD10-24 Weight	45Kg/ 99.20lbs (140Kg/ 308.64lbs with Optional Flightcase)
SD10-24 Flightcase	1170mm (w) x 1158mm (h) x 498mm (d) Weight 95kg/ 209.43lbs (Optional)
SD10-24 Power Requirements	90-264 VAC, 47-63Hz Auto Sensing. 235 watts
Redundancy	Internal PSU x 2

Flexi Channels Explained

DiGiCo Flexi Channels offer the flexibility to switch channels between Mono/Stereo without any reduction in audio processing. Normally with DSP based systems switching channels to stereo either grabs the processing from another mono channel or links two adjacent mono channels. This means when an operator requires more stereo channels their total channel processing resource is reduced. With Flexi Channels no reduction is required as the FPGA is able to process significantly more audio instructions per second.

Couple Flexi Channels with the fact that every mono channel has both a main input and alternative (Alt) input for a back up or spare microphone and you have unrivalled flexibility and reassurance



SD11B Digital Broadcast Console



SD7B General Specifications

Faders	38 x 100mm touch-sensitive, motorised 14 x 60mm touch sensitive, motorised
Screens	3 x 15" LCD high - resolution touch screens
Meters	3 x Custom Mounted LCD high-resolution TFT-LCD screens
Input Channels	Up to 256 (combination of Input Channels / Aux / Solo Group Busses)
Bussees	48 Mono or Stereo Bussees + LR or LCR Master (or 5.1 Master on Broadcast)
Solo Bussees	Up to 128 Aux / Group bussees with full processing Mono / Stereo / LCR / 5.1
Matrix	Up to 32 Input / 32 Outputs with full processing
Control Groups	Up to 36, selectable for VCA-style, Moving fader, Mute Group
Graphic Eq	32 x 32-band, Gain +/- 12dB
Internal FX	A multitude of Reverbs / Delays / Other Effects to be detailed in future issues of Especs.
Local I/O	12 x mic/line I/O, 12 x AES I/O
MADI interface	4 redundant interfaces, BNC connectivity
Optic interface	Fibre-optic
MIDI Interface	In / Out / Thru
VGA Port	DB-15 Mini-Female (1024 x 768 Resolution)
USB Ports (3)	USB 2
Light Connection (2)	XLR3 1.2 – 12V
Ext Sync	Word Clock, AES, MADI, Optics
Headphone	TRS Unbalanced / 8-600 Ohms 1/4 Inch Jack
Dimensions	1496mm (w) x 875mm (d) x 503mm (h)
Weight	107Kg (267Kg with flightcase)
Power Requirements	90V-260V, 50-60Hz, 600VA
Redundancy	Internal removable engine x 2 Internal hot-swappable PSU x 2

DiGiCo UK Limited reserves the right to make any changes at any time, without notice, in prices, colours, materials, specifications and models, and also to discontinue models. E&OE

No need to compromise...

Broadcast-specific consoles and dedicated networking systems

Several years of research and development led to the introduction in 2001 of the revolutionary DiGiCo D Series digital mixing systems. After breaking the mould of digital live performance mixing, these consoles, and the second generation SD Series which saw the introduction of Super FPGA and Stealth Digital Processing™ technologies, became the console of choice for many of the world's biggest touring artists.

Theatre-specific versions of the D and SD Series then saw these compact but powerful consoles become the number one choice from the West End to Broadway. Meanwhile, many broadcasters around the globe had begun working with DiGiCo consoles, adapting their operational methods in order to enjoy the sonic purity and intuitive operation they provide.

Now, with the new Broadcast Series, DiGiCo eliminates the need to compromise by introducing broadcast-specific consoles and dedicated audio networking systems, ready for any type of broadcast from studio control rooms to outside broadcast trucks. With the reassurance of a decade of proven, reliable, durable performance that delivers under the most demanding circumstances.



SD9B Digital Mixing Console



SD10B Digital Broadcast Console



SD7B Digital Broadcast Console

Technical Specifications

Specifications Common To All Consoles

Audio Specification

Sample Rate	48kHz or 44.1kHz (96kHz with SD Rack)
Processing Delay	2ms Typical @ 48k (60 Stereo Channels, Stage Input Through L-R Buss to Stage Output) 1.1ms @ 96k
Internal Processing	Up to 40-bit, Floating Point
A>D & D>A	24-bit Converter Bit Depth
Frequency Response	+/- 0.6dB (20Hz – 20kHz)
THD	<0.05% @ Unity Gain, 10dB Input @ 1kHz
Channel Separation	Better Than 90dB (40Hz – 15kHz)
Residual Output	<90dBu Typical Noise (20Hz - 20kHz)
Microphone Input	Better Than -126dB Equivalent Noise
Maximum Output Level	+22dBu
Maximum Input Level	+22dBu

Processing Channel Specification: - Input Channel

Name	User-Defined / Presets
Channel Selection	Mono / Stereo / Multi
Input Routing	Main & Alternate Input
Analogue Gain	-20 to +60dB
Phase	Normal / Reverse
Digital Trim	-40 to +40dB
Delay	> 1 Sec (Coarse & Fine Control)
DiGiTuBe	Drive 0.01 - 50.0 Bias 0 - 6
LPF	20 – 20kHz, 24dB/Oct
HPF	20 – 20kHz, 24dB/Oct
Insert A	(Pre EQ/Dyn) On/Off
Equalisation	4 Band EQ: Parametric or Dynamic (Low/Lowshelf, Lower-Mid/Lowshelf, Upper-Mid/ Hi Shelf, Hi/Hisshelf) On/Off Freq: 20 – 20kHz Gain: +/- 18dB Q: 0.1 - 20 (Parametric) / 0.10-0.85 (Shelf) Dynamic EQ On/Off Over/Under Band On/Off Threshold: -60 – 0dB Attack: 500us – 100ms Release: 10ms – 10s Ratio: 1:1 – 50:1
Dynamics 1	Single or Multiband (3-Band)
Compressor	On/Off Threshold: -60 – 0dB Attack: 500us – 100ms Release: 10ms – 10s Ratio: 1:1 – 50:1 Gain: 0 to +40dB with Autogain Option Link: Any Channel/Buss Hi Crossover: 20Hz – 20kHz Lo Crossover: 20Hz – 20kHz Knee : Hard, Med, Soft
De-Esser	Threshold : 20us – 20ms Release : 1ms – 100ms Ratio : 1:1 – 50:1 Ess-Band : Listen On/Off Ess-Band Filter Freq / Width: 20Hz – 20kHz
Dynamics 2	On/Off
Gate / Ducker	Threshold: -60 – 0dB Attack: 50us – 100ms Hold: 2ms – 2s Release: 5ms – 5s Range: 0 - 90dB Key: Any Source Key Listen Freq/Width: 20 – 20kHz

Compressor

On/Off	On/Off
Threshold: -60 – 0dB	Threshold: -60 – 0dB
Attack: 500us – 100ms	Attack: 500us – 100ms
Release: 10ms – 10s	Release: 10ms – 10s
Ratio: 1:1 – 50:1	Ratio: 1:1 – 50:1
Gain: 0 to +40dB with Autogain Option	Gain: 0 to +40dB with Autogain Option
Link: Any Channel / Buss	Link: Any Channel / Buss
Hi Crossover: 20Hz – 20kHz	Hi Crossover: 20Hz – 20kHz
Lo Crossover: 20Hz – 20kHz	Lo Crossover: 20Hz – 20kHz
S/C Source : Any Source	S/C Source : Any Source
S/C Listen : On/Off	S/C Listen : On/Off
S/C Filter Freq/Width: 20Hz – 20kHz	S/C Filter Freq/Width: 20Hz – 20kHz
Insert B	(Post EQ/Dyn) On/Off
EQ/Dyn order	EQ/Dyn or Dyn/EQ
Mute	Channel Mute / Hard Mute
Solo	Solo Buss 1 / Solo Buss 2 / Both, Auto Solo
Channel Safe	Input, EQ, Dyn, Aux, Pan, Fade/Mute, Inserts, Buss, Directs, Full Safe
Output Routing	Buss, Insert A, Insert B, FX Direct: On/Off, Pre-Mute / Pre-Fade / Post-Fade, Level +/- 18dB
Fader	100mm Motorised Fader ∞ to +10dB

Processing Channel Specification: - Aux / Group / Matrix Output

Name	User-Defined / Presets
Phase	Normal / Reverse
Digital Trim	-20 to +60dB
Delay	>1 Sec (Coarse & Fine control)
DiGiTuBe	Drive 0.01 - 50.0 Bias 0 - 6
LPF	20 – 20kHz, 24dB / Oct
HPF	20 – 20kHz, 24dB / Oct
Insert A	(Pre EQ/Dyn) On/Off
Equalisation	8 Band EQ: 4 Band Parametric and 4 Band Parametric or Dynamic 4 Band EQ: Parametric Only (Low/Lowshelf, Lower-Mid/Lowshelf, Upper-Mid/Hi Shelf, Hi/Hisshelf) On/Off Freq; 20 – 20kHz Gain; +/- 18dB Q: 0.1 -20 (Parametric) / 0.10-0.85 (Shelf) Dynamic EQ On/Off Over/Under Band On/Off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 10ms – 10s Ratio; 1:1 – 50:1
Dynamics 1	Single or Multiband (3-band)
Compressor	On/Off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 10ms – 10s Ratio; 1:1 – 50:1 Gain; 0 to +40dB with Autogain Option Link; Any Channel / Buss Hi Crossover; 20Hz – 20kHz Lo Crossover; 20Hz – 20kHz Knee : Hard, Med, Soft
De-Esser	Threshold: 20us – 20ms Release: 1ms – 100ms Ratio: 1:1 – 50:1 Ess-Band: Listen On/Off Ess-Band Filter Freq/Width: 20Hz – 20kHz
Dynamics 2	On/Off
Gate / Ducker	Threshold; -60 – 0dB Attack; 50us – 100ms Hold; 2ms – 2s Release; 5ms – 5s Range; 0 - 90dB Key; Any Source Key Listen Freq/Width; 20 – 20kHz

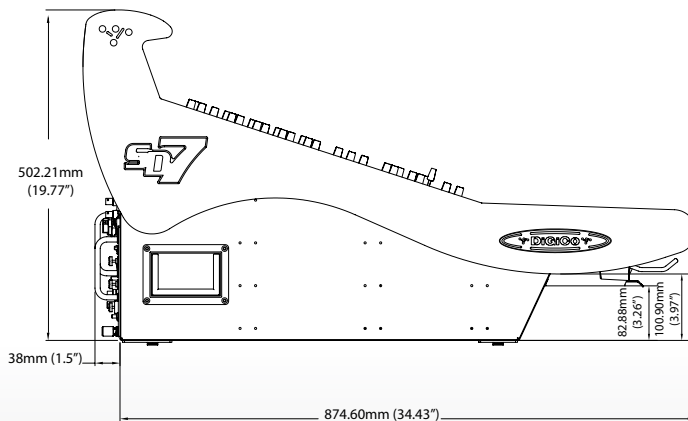
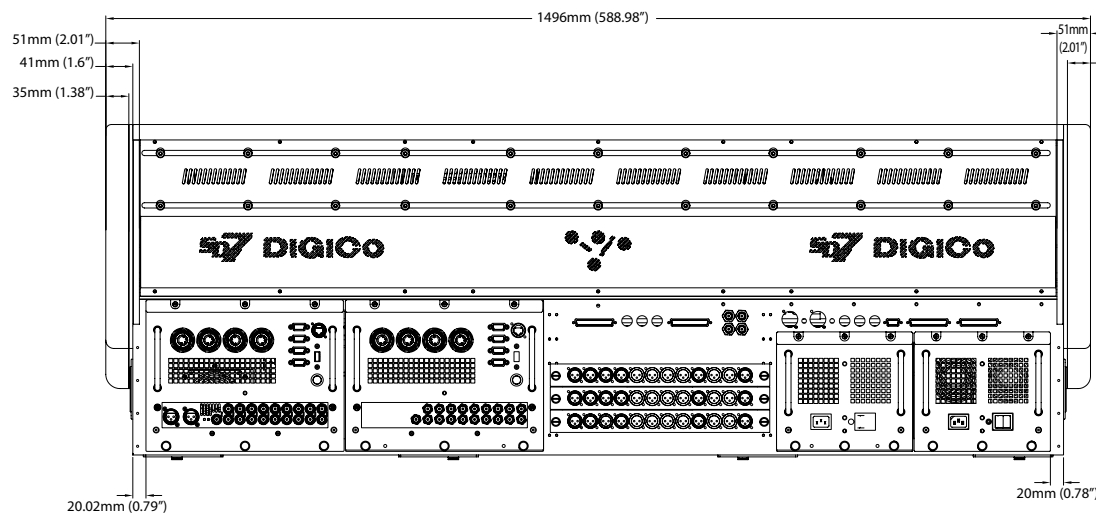
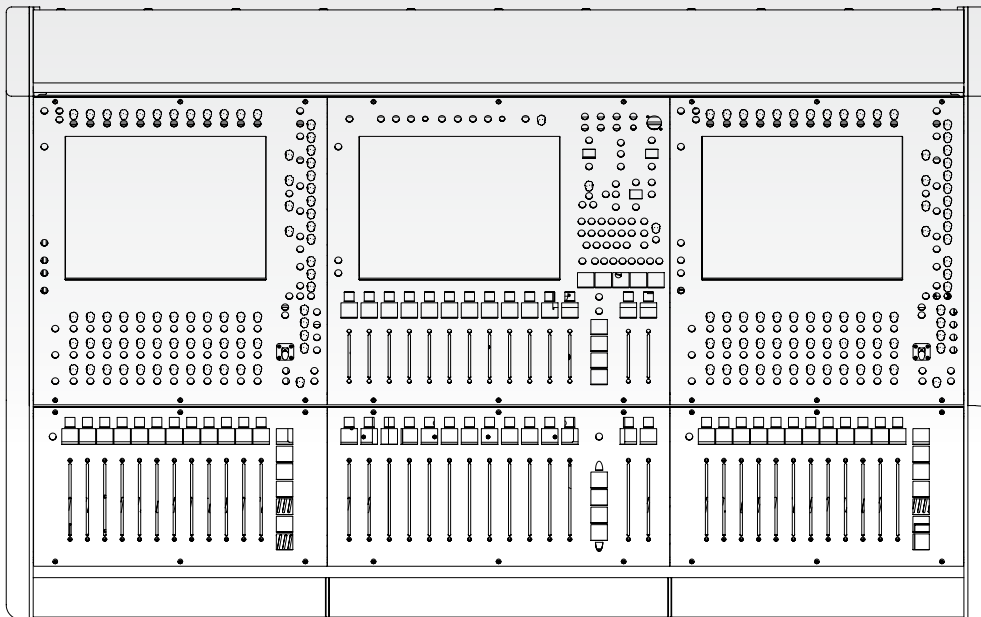
Compressor	On/Off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 10ms – 10s Ratio; 1:1 – 50:1 Gain; 0 to +40dB with Autogain Option Link; Any Channel/Buss Hi Crossover; 20Hz – 20kHz Lo Crossover; 20Hz – 20kHz S/C Source : Any source S/C Listen : On/Off S/C Filter Freq/Width: 20Hz – 20kHz
Insert B	(Post EQ/Dyn) On/Off
EQ/Dyn Order	EQ/Dyn or Dyn/EQ
Mute	Channel Mute / Hard Mute
Solo	Solo Buss 1 / Solo Buss 2 / Both, Auto Solo
Channel Safe	Trim, EQ, Dyn, Fade/Mute, Inserts, Outputs, Full Safe
Output Routing	Outputs, Insert A, Insert B, FX
Fader	100mm Motorised Fader ∞ to + 10dB

Compressor	On/Off Threshold; -60 – 0dB Attack; 500us – 100ms Release; 10ms – 10s Ratio; 1:1 – 50:1 Gain; 0 to +40dB with Autogain Option Link; Any Channel/Buss Hi Crossover; 20Hz – 20kHz Lo Crossover; 20Hz – 20kHz S/C Source : Any source S/C Listen : On/Off S/C Filter Freq/Width: 20Hz – 20kHz
Insert B	(Post EQ/Dyn) On/Off
EQ/Dyn Order	EQ/Dyn or Dyn/EQ
Mute	Channel Mute / Hard Mute
Solo	Solo Buss 1 / Solo Buss 2 / Both, Auto Solo
Channel Safe	Trim, EQ, Dyn, Fade/Mute, Inserts, Outputs, Full Safe
Output Routing	Outputs, Insert A, Insert B, FX
Fader	100mm Motorised Fader ∞ to + 10dB

DiGiCo UK Limited reserves the right to make any changes at any time, without notice, in prices, colours, materials, specifications and models, and also to discontinue models. E&OE

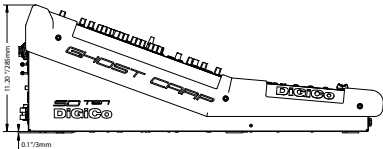
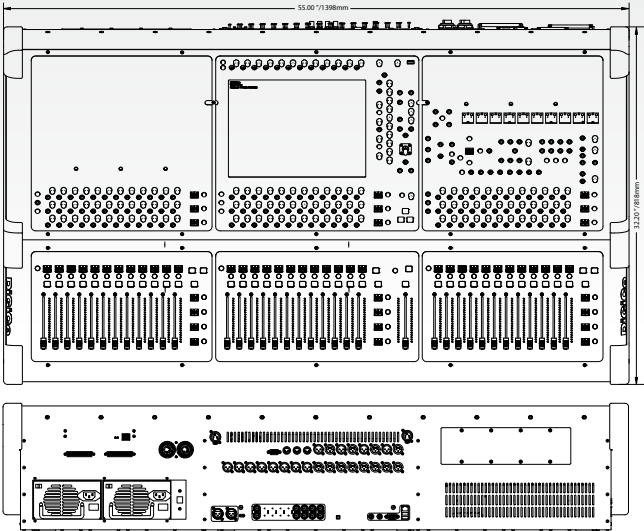
Technical Specifications

SD7B measurements

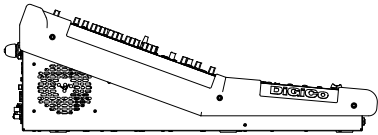
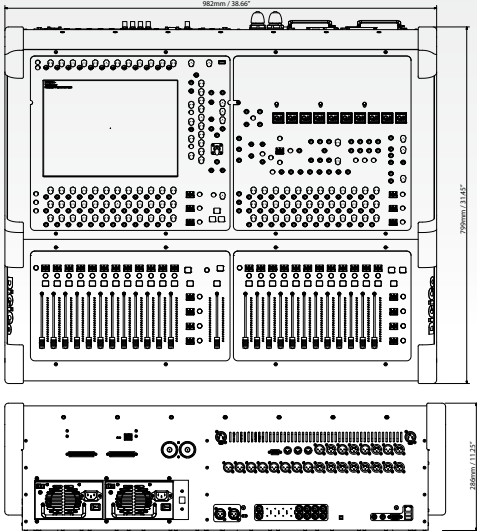


Technical Specifications

SD10B measurements



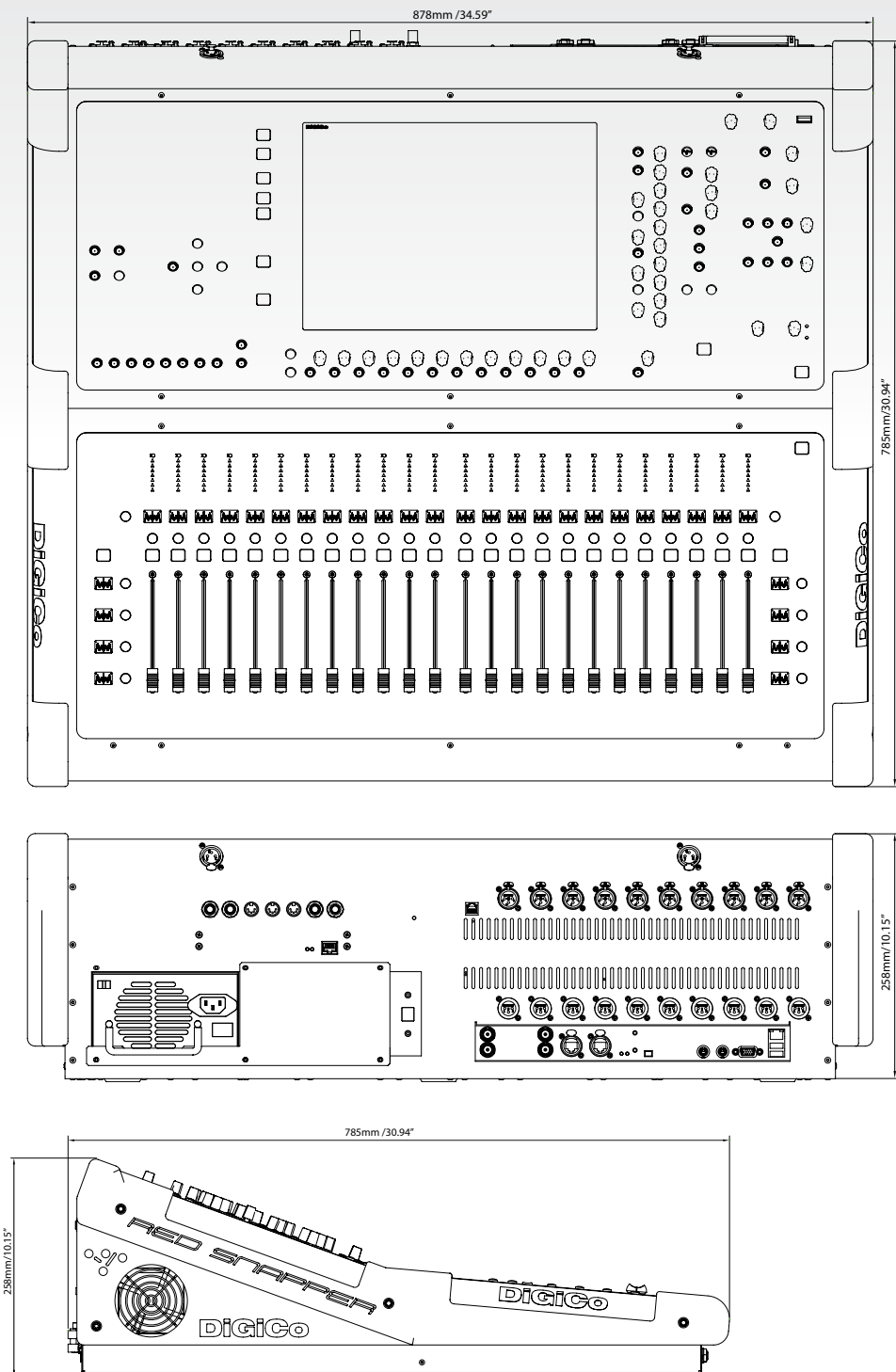
- DigiCo SD10 Notes**
- 1. SD10 WEIGHT 60Kg / 132lb
 - 2. SD RACK WEIGHT (CONFIGURATION DEPENDANT) 33Kg / 73lb
 - 3. D RACK WEIGHT (CONFIGURATION DEPENDANT) 10Kg / 22lb
 - 4. FLIGHT CASE 112Kg / 244lb
 - 5. FLIGHT CASE (PACKED) 175Kg / 385lb



- DigiCo SD10-24 Notes**
- 1. SD10-24 WEIGHT 45Kg / 99.20lb
 - 2. SD RACK WEIGHT (CONFIGURATION DEPENDANT) 33Kg / 73lb
 - 3. D RACK WEIGHT (CONFIGURATION DEPENDANT) 10Kg / 22lb
 - 4. FLIGHT CASE 95Kg / 209.43lb
 - 5. FLIGHT CASE (PACKED) 140Kg / 308.64lb

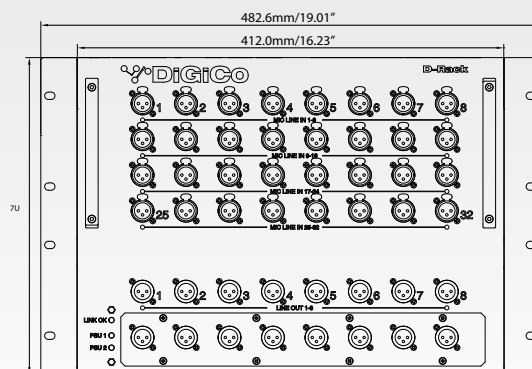
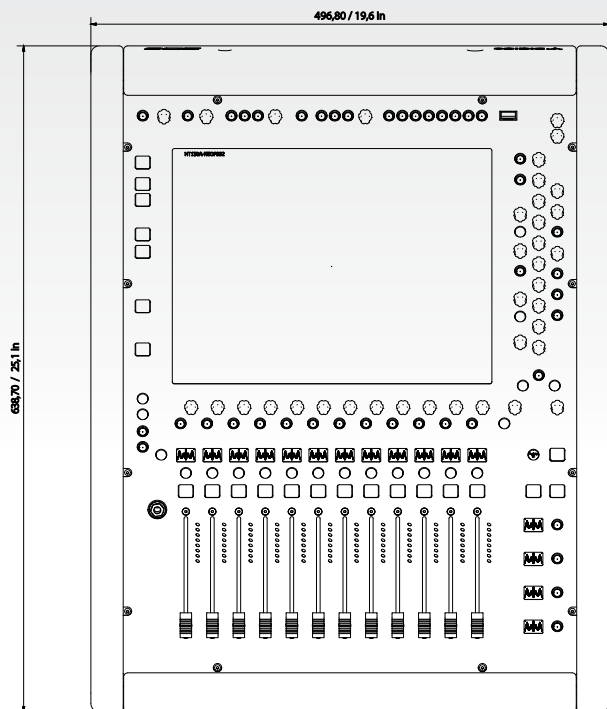
Technical Specifications

SD9B measurements

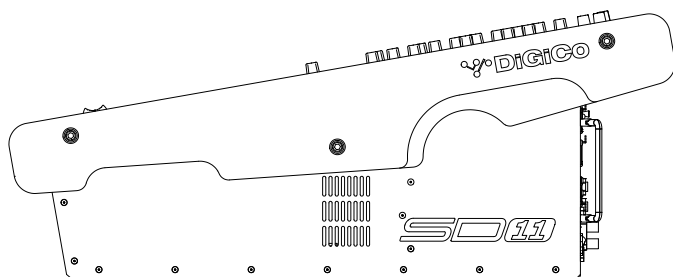
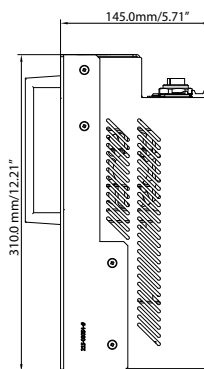
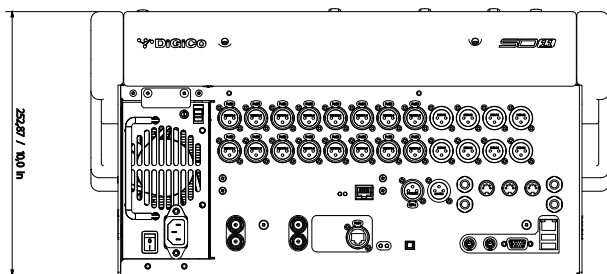
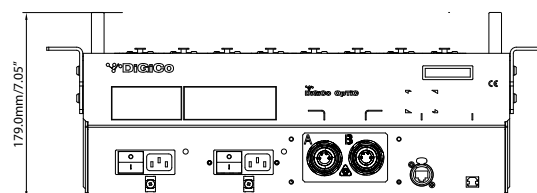


Technical Specifications

SD11B measurements



D-Rack Line Drawings





DiGiCo UK Limited

Incorporated in England & Wales
under Company no. 04336508

Unit 10, Silverglade Business Park
Leatherhead Road, Chessington, Surrey KT9 2QL

Tel: +44 (0) 1372 845600

Fax: +44 (0) 1372 845656

Email: info@digiconsoles.com

www.digico.biz/broadcast

DiGiCo UK Limited reserves the right to make any changes at any time, without notice, in prices, colours, materials, specifications and models, and also to discontinue models. E&OE