



DIGICO

SD11





DiGiCo

SD11



Now you can raise your expectations of what can be achieved within the familiar format of a compact 19" rackmount or table top mixer. With the SD11, the whole world of DiGiCo technologies is at your fingertips, redefining the performance of a digital mixer in this form factor.

The SD11 is two consoles in one – a rackmountable mixer ready to fit into your installation or a touring rack, and a table top mixer with smart end cheeks and arm rest, an easy one-person lift from truck to table top, ready for action.

The giant 15" full colour TFT LCD touch sensitive screen means you can forget

complex menu-driven interfaces, because nothing is ever further than a touch away. Effects, dynamics and equalisation can be summoned up for each channel in a split second, with no hunting through multiple menus.

A physical fader, knob or backlit, electronically labelled button is either provided as standard for every major mix function, or can be programmed onto one of the user macro buttons. Your mix is created on a bank of 12 full-length motorised faders with accompanying high resolution bar graph meters. The highly accurate, durable and user-assignable channel faders have touch-sensitive fader caps to put even more intuitive controllability right where you need it.

The SD11 features the same A/D and D/A converters as every member of the SD Series, along with identical Stealth Digital Processing™, now in its third generation, with Super FPGA technology incorporating floating point processing, for superior headroom, dynamic range and overall audio quality. The result is true high end performance despite the SD11's small size: the same smooth, accurate and yet thoroughly musical sonic performance familiar to users of the SD7, SD8, SD9 and SD10.

It means that you can easily partner a larger SD Series console, at front of house, for example, with the SD11 providing identical sonic quality and main features for monitoring, recording to an external device via MADI or both. But of course the SD11, like all DiGiCo consoles, is much more than a console – it's designed to form an integral part of a complete digital mixing system.

In partnership with the DiGiCo D Rack, the SD11 becomes an integrated system including mixing work surface, digital stage interface and CAT5E digital multicore, with the ability to simultaneously record 56 channels direct to your favourite multitrack software or DAW.

However, there's more than enough onboard the SD11 alone to deal with a huge range of applications.

DiGiCo SD11

A world-class digital mixing system in just 19 inches

POWERFUL PROCESSING WHERE YOU NEED IT

As you'd expect both the input and outputs channels are well equipped with DiGiCo quality signal processing and routing.

Standard input channel processing includes Channel Delay; Single and Multi Channel presets; HPF and LPF, with an industry leading 24db / octave slope; four bands of parametric EQ complete with band curve selection; Compressor and Gate; moveable insert point and access to all bussing.

Standard output channel processing includes Output delay; four bands of parametric EQ; filtering; Compressor and Gate; moveable insert point; Groups with Buss to Buss routing; and Auxes that provide direct talk to output with Dim control for fast monitor communication.

There's also Dynamic EQ to give you both expansion and compression on all four bands of the parametric EQ - ideal for shaping and controlling your input or output signal creatively.

Up to four of these powerful processors can be assigned as required to any of the input or output channels, whether they are mono, stereo or LCR.

Multi-band compressors are also provided, providing you with extended dynamic control of any input or output channel. This is perfect for managing complex in ear monitoring or difficult input channels - such as particularly exacting vocal requirements. Again, four of these compressors are available for allocation to either input or output channels.

FLEXI BUSSES, FLEXI CHANNELS AND PLENTIFUL I/O

When size and space matter, it's good to know the SD11 provides a large number of channels and busses for its compact footprint - whether in an installation, live monitoring or simply an extra I/O facility.

The SD11's 12 Flexi-busses can be user configured as either mono or stereo, giving you up to 12 stereo mixes, the equivalent of 24 busses, while maintaining full processing capability on every buss simultaneously.

As well as this already substantial bussing resource, you get an additional stereo or LCR Master buss and an 8x8 output matrix, with the SD Range's industry renowned routing flexibility. 8 Control Groups (VCAs) are provided for faster access to multiple channels and busses.

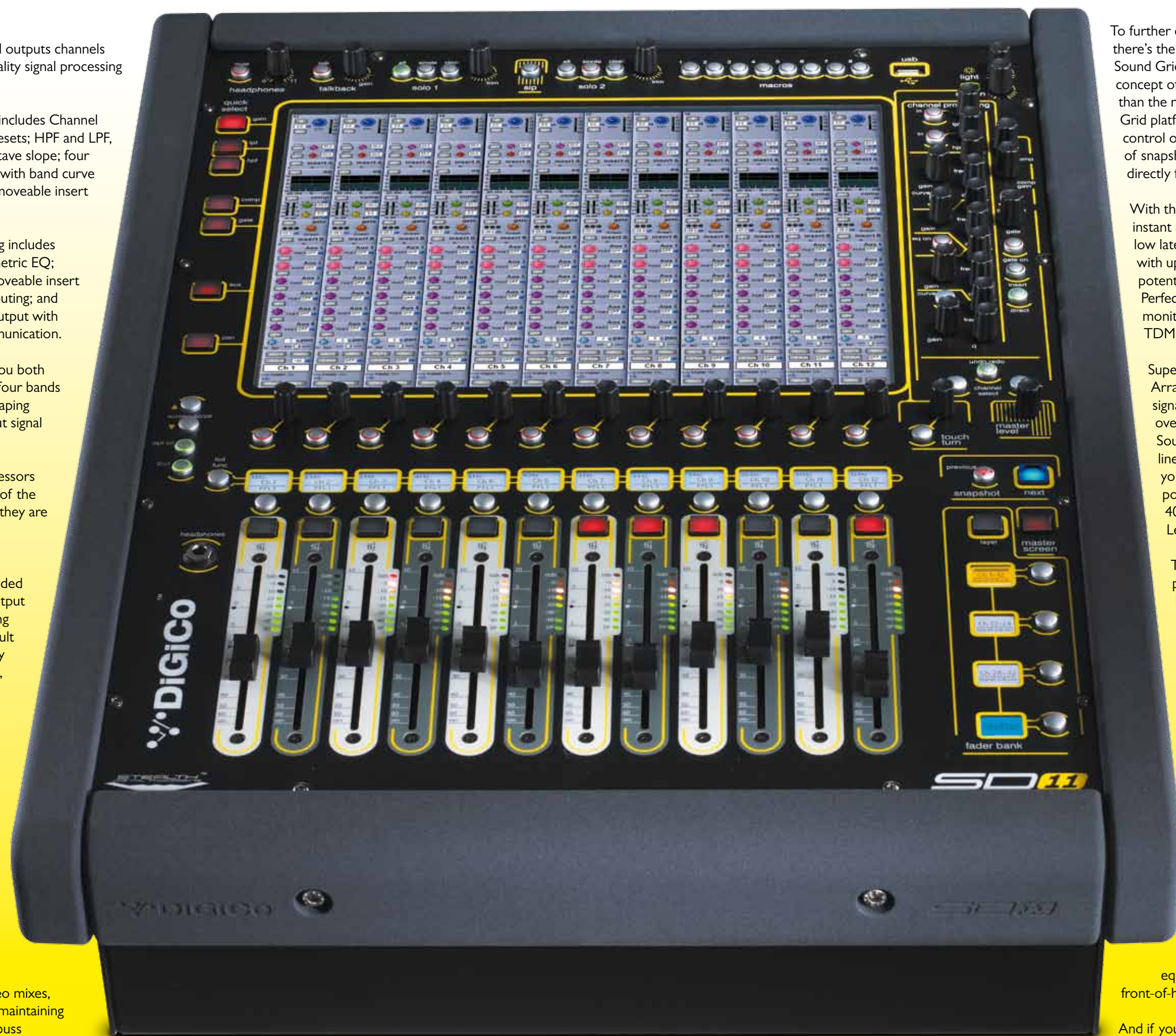
This level of specification is taken even further with the addition of dual solo busses, making the SD11 well suited to managing front of house and monitoring tasks alike.

A similar level of flexibility applies to the input channels. Each of the SD11's 32 input channels has full processing, 8 of which can be configured as full Flexi Channels that can be selected as mono or stereo while maintaining full signal processing per channel in either mode. All inputs have dual mono inputs for fast 'Main' and 'Alt' channel switching - ideal for corporate events requiring a large number of spare microphones.

With the ability to assign and unassign any Flexi Channel or buss to any fader, you build custom fader banks very quickly, 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, the lead vocalist can always be on the same fader.

All of these settings are storable within Snapshots, an unlimited number of which can be saved and recalled as required, providing highly flexible show control. User defined recall scopes can be set globally, per snapshot or per channel function. Additional tools include feature defined crossfade, sequence fire, Midi control, Snapshot notes panel and extensive editing facilities.

8 Macro buttons are positioned on the right hand side of the SD11's surface. 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.



To further extend your processing and effects, there's the option of a fully integrated Waves Sound Grid system. DiGiCo also takes the concept of Waves integration even further than the norm because, unlike all other Sound Grid platforms, DiGiCo provides complete control of plugin parameters, as well as recall of snapshots, and simple loading and saving directly from the consoles' surface.

With the DiGiCo Waves setup, you'll have instant access of up to 16 fully integrated, low latency Waves stereo processor racks, with up to eight plugins in each rack for a potential total of 132 individual effects. Perfect for either front-of-house or monitors - and you can use your Waves TDM plugins collections too.

Super FPGA (Field Programmable Gate Array) technology provides ultra-short signal path for minimal latency (just over 2ms), and the DiGiCo Waves SoundGrid module places the legendary lineup of powerful Waves plugins at your fingertips. That includes 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 L2 Ultramaximizer and C4 Multiband.

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 SD11's own processing power to be dedicated to the task of driving the console and its worksurface.

Even monitor engineers, faced with historic problems of latency in other boards running plugins, can celebrate as the low-latency of the FPGA-powered system equals the effects performance at front-of-house.

And if your need is to create a recording of the master with all the internal and Waves effects together, the MADI-based multitrack recording I/O provides a fully integrated solution.

The master section incorporates 12 full 32-band gangable graphic equalisers with centre-detent faders for fast system set-up, along with 12 control groups.

Input and output provision is designed for maximum flexibility whether your sources are analogue or digital - or both. 16 microphone pre amps, 8 line outputs and 2 Mono AES I/O are situated on the rear of the console. In addition to this standard I/O, you have the option to connect a DiGiCo D-Rack to the CAT5E port. This provides a remote I/O rack frame with an additional 32 microphone inputs and up to 16 outputs. A MADI port is also provided for connection to any DiGiCo I/O racks or MADI compatible DAW recorder.

Additional connections include GPI/GPO, MIDI, Overview screen output, Word Clock I/O and an Ethernet port for console remote control and networking.

STEALTH FX - AND THE POWER OF WAVES

The SD11 packs in DiGiCo's powerful, sonically smooth set of insertable Effects and Graphics. These can be routed, controlled, and stored and recalled in snapshots, for the most complex show design.

4 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.

D-RACK FOR TOTAL FLEXIBILITY

The SD11 system is also fully compatible with analogue equipment. The optional DiGiCo D-Rack provides 32 microphone inputs, 8 line outputs and 8 modular outputs that can be selected as either analogue or AES, providing a maximum capacity of 32 ins and 16 outs. With a digital CAT5E cable to connect to the console work surface, the hum and noise of analogue multicores are eliminated.

The SD11 is also expandable, so if your I/O requirements are greater, simply add a second D-Rack to the system via an additional CAT5E and LRB - for a total of 64 inputs and 32 outputs. The D-Rack can either be floor or rack mounted, and offers a standard single power supply or optional dual redundant supplies.

The console also provides a standard MADI connection, permitting 56 channels of direct recording output. This powerful facility gives you the ability to make live multitrack recordings of rehearsals and shows direct from your console.





Optional D-Rack 32 Mic in 8 Analogue Out



- Dedicated Quick Access Encoders and Buttons
- 3 Line Multi Function LCD Buttons
- 8 Segment Meter Strips
- 100mm Faders
- Touch Turn Encoder and Button
- Previous and Next
- Screen Assign
- Fader Bank Assign





When the professional audio world first set eyes on the DiGiCo D5 Live there was a collective sharp intake of breath. Here was the digital mixing console that gave you the best of analogue working practices and audio finesse with all the versatility and feature richness that the digital environment could offer.

A decade on, the SD Series is the new standard setter and its fast, engineer friendly user interface has yet to be beaten. And to many engineers it continues to offer the optimum sonic combination of analogue smoothness and digital clarity.

But expectations continue to rise. In a world as competitive for engineers as it is for console owners, you want the best tools you can lay your hands on. You also want a console as well thought out for every major application as it is designed for the art and science of sound engineering.

Above all, you want to do more. That's why we've added yet more depth and versatility to the SD Series, in which the DiGiCo SD7 is complemented by the compact SD8, the ultra compact SD9 and rackmount SD11 and, now, the powerful SD Ten and SD Ten B.

What Makes the SD Series different from the D Series and other digital consoles?

The SD Series gives you more. More power, more flexibility and more creativity, wrapped in frames which are more serviceable, more compact and more user-friendly than ever.

Selected features include:

- **All audio processing on one chip - Stealth Digital Processing™**
From input to output all the audio processing on an SD Series console is carried out on one chip using Super FPGA technology with floating-point processing, resulting in enhanced clarity, unique sound characteristics and a smaller console footprint.
- **The Power of Waves**
The SD Series is the world's first range of digital mixers to offer the power of Waves SoundGrid as a fully integrated option, complementing the array of built-in Stealth digital effects.
- **Slicker Interface**
With 15 inch touch screen LCD TFT technology and user defined RGB back lit LCD scribble strips delivering uninterrupted user feedback.
- **Advanced Software UI**
Building on the fine qualities of over 20 years of digital development, our engineers have delivered a user experience that's even faster, easier and more productive than ever. After the briefest introduction it's clear that the DiGiCo range was designed for audio engineers by audio engineers.



Concert Sound

U2 360° Tour



Permanent Install

Wolfrap Arts Centre



Houses of Worship

Eagle Brook Church



Musical Theatre

Mother Courage