

APPLICATIONS

Recording mixer
for analogue or
digital recorders

Multi-purpose live
band mixer

Studio/Live submixer

Keyboard/Drum mixer

Installation mixer for
clubs, bars or
places of worship

Multimedia mixer

FOLIO LITE

COMPACT PROFESSIONAL MIXING CONSOLE



LIVE

STUDIO

SUBMIXER

SPIRIT

FOLIO LITE



With the launch of Folio, Spirit stunned musicians by building professional audio quality into a compact, versatile and affordable personal mixer.

Now Folio Lite goes one step further: Spirit's most affordable mixer to date is built with no-compromise, better-than-digital sound quality.

At one end of Soundcraft's range are the large studio and live mixers that are at the heart of major tours and recordings.

At the other end is Spirit Folio Lite.

They may seem worlds apart, but behind them both is the same man – designer and Soundcraft co-founder Graham Blyth. He believes that every user is entitled to the highest audio quality, whether he owns a large studio or is on a very tight budget.

The result of this philosophy is Folio Lite, a compact and versatile low cost mixer designed to meet the demands of a whole range of users: small digital home studios, small bands, venues and installations, or keyboard and drum submixing in larger setups.

Graham's 24 years of experience in mixer design means that Lite offers audio quality unparalleled at its price. At -129dBu EIN, Lite's mic preamps are actually quieter than many large studio mixers – essential when recording to digital media. What's more, increased input sensitivity means that Lite has up to 5 times more signal handling capacity than other mixers in its class, allowing you to connect the lowest or highest output devices with headroom to spare.

When it comes to features, Lite is ahead of the competition, too. For example, there are up to 16 inputs available at mixdown – all within a 300mm (12") wide frame. Only Lite at its price point lets you solo individual channels for monitoring, gives you inserts on your mono channels, and provides dedicated effects returns and tape returns.

Custom-developed components, computer monitored manufacturing techniques and a steel chassis makes Folio Lite rugged enough to last on the road and to cope easily with the pressures of intensive home studio use.

Whatever level of mixer you are used to, Folio Lite will impress.

Once you've tried it you'll know why we say that Folio Lite has redefined low-cost sound mixing.

MAIN FEATURES

Superb Audio Quality.
High definition, ultra-low noise circuitry

Tough steel chassis

12 inputs with a maximum of 16 inputs available at mixdown

Inserts available on every mono input and mix outs

PFL Solo on every input

Consistent, high-performance controls

4 dedicated stereo inputs

2 Auxs with Aux 1 Pre/Post switchable

Switchable Phantom Powering

Dedicated Stereo Return

Dedicated Tape Return

Musical 2 band EQ

Separate stereo outputs for tape, monitors and headphones

1 Mic Inputs (Chans 1-4)

A high quality XLR connector accepts balanced or unbalanced mics. At -129dB EIN, Spirit's new mic preamp gives you a signal that's quieter and cleaner than consoles many times the price.

2 Mono Line Inputs (Chans 1-4)

A balanced 1/4" jack socket allows you to connect unbalanced and balanced inputs such as keyboards and samplers. Balanced inputs give extra protection against hum and noise entering your signal path from outside.

3 Insert (Chans 1-4)

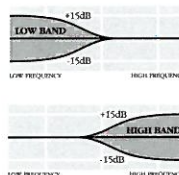
For hooking up signal processors such as compressors or limiters. Especially useful for treating vocals in live situations.

4 Mono Input Trim Control

Folio Lite's low noise input has a much wider gain range (-4 to -60dB) than other mixers. This allows you to connect low output dynamic mics, or high output devices such as DI boxes or condenser mics, with equal ease and with headroom to spare.

5 2-Band 'British' EQ

Not all EQs are equal and Soundcraft is famed for the quality and musicality of its EQ designs. Folio Lite's 80Hz control is perfect for adding real kick to bass drums whilst the 12kHz band gives you extra top end sizzle. Compare with others and accept nothing less.



6 Auxiliary Sends

Two Auxiliary buses send your signals to effects units or foldback mixes. Aux 1 is switchable pre/post allowing you to use it either for stage monitoring or for effects units, as you choose. Aux 2 is a dedicated post-fader auxiliary. Up to +22dBu of output level is available so you can drive even the highest level devices.

7 Pan

Positions the channel signal in the stereo image.

8 Consistent Rotary Controls

Your mix is only as good as the accuracy of your controls. Off-the-shelf controls are seldom good enough for the consistent response you need for fine control. Unlike other manufacturers, Spirit specify components with specially designed potentiometer laws that guarantee predictable response to any movement. In addition, putting the zero dB position at the centre of the fader may look good, but it's not the best place if you want to get the most precise control out of the fader. On Lite, the 0dB point is 2/3 of the way round the fader's travel so that you get about 40% more "sweep" in the critical zone below 0dB – exactly where you need it.

9 Pre Fade Listen Solo system

To monitor exactly the level in each channel. Folio Lite is the only mixer in this class that gives you a PFL Solo. And on the stereo channels, the PFLs run in stereo too. Switch in PFL to hear the individual channel before the fader and see its level on the meters.

10 Stereo Line Inputs (Chans 5-12)

Twin 1/4" jack sockets (left and right) for the four stereo inputs. Unlike other mixers in its class, Lite's stereo inputs are balanced for cleaner signals. They can also be used as additional mono inputs simply by plugging into the left sockets only.

11 Stereo Input Gain Control

The stereo input control is specially calibrated to match Lite with anything from low output hi-fi machines to the highest output professional devices.

12 Balance

Sets relative levels of left and right hand signals.

13 Aux Outputs

The aux output is ground compensated and impedance balanced, for immunity against mains hum.

14 Effects Return Connectors

2 unbalanced 1/4" jacks allow a stereo effects processor to be connected.

GUITAR WITH ACTIVE DI BOX

MIC'D GUITAR COMBO

15 Mix Inserts

Ideal for connecting signal processors such as graphic EQs across the mix in a live setup.

16 Main Outputs

1/4" jack ground-compensated outputs feed the mix from Lite or to a tape or DAT machine for recording your masters.

17 Monitoring

1/4" jacks can feed a monitor amp and speakers. Lite's headphone output will easily drive a pair of professional headphones: plugging them in cuts the monitor output to prevent feedback during vocal or acoustic overdubs in small studios.

18 Effects Return

For controlling the level of your signal from an effects unit. Alternatively it can be used as an additional stereo input.

19 2-Track Return

Saves you wasting a stereo input on your tape returns. Use it for listening to your masters or playing pre-show music. Alternatively, switch "2 Track to Mix" to get 2 additional line inputs for instruments or effects returns. This brings Lite's input total up to 16.

20 Phantom Power

True +48V power allows you to use condenser microphones. An LED confirms that phantom power is operative.



21 2-TRK to MIX

Routes the 2-track return to mix giving you 2 extra inputs at mixdown.

22 Monitor/Source Switch

This changes your monitor source from the main mix to the tape return, allowing you to monitor your masters. All Lite's switches are long travel, so you can always tell if they're down or up.

23 Aux 1 Pre/Post

Aux 1 can be switched pre- or post-fader.

24 3-colour LED Bargraph

A 10-segment bargraph displays mixer output levels or the channel solo level when any PFL is activated. A true stereo PFL signal is available when any stereo input is solo'd.

25 Main Mix Control

Folio's Mix fader gives you maximum fine control of the main outputs for precise level setting and smooth fade-outs.

26 Monitor/Phones level

Sets the level driving the headphones and monitor system outputs.

27 PFL Master

Activates the PFL solo system. Press this before monitoring individual channels

28 Compact Rugged Steel Case

Built to take the hard knocks of on-the-road use.

29 External Power Supply

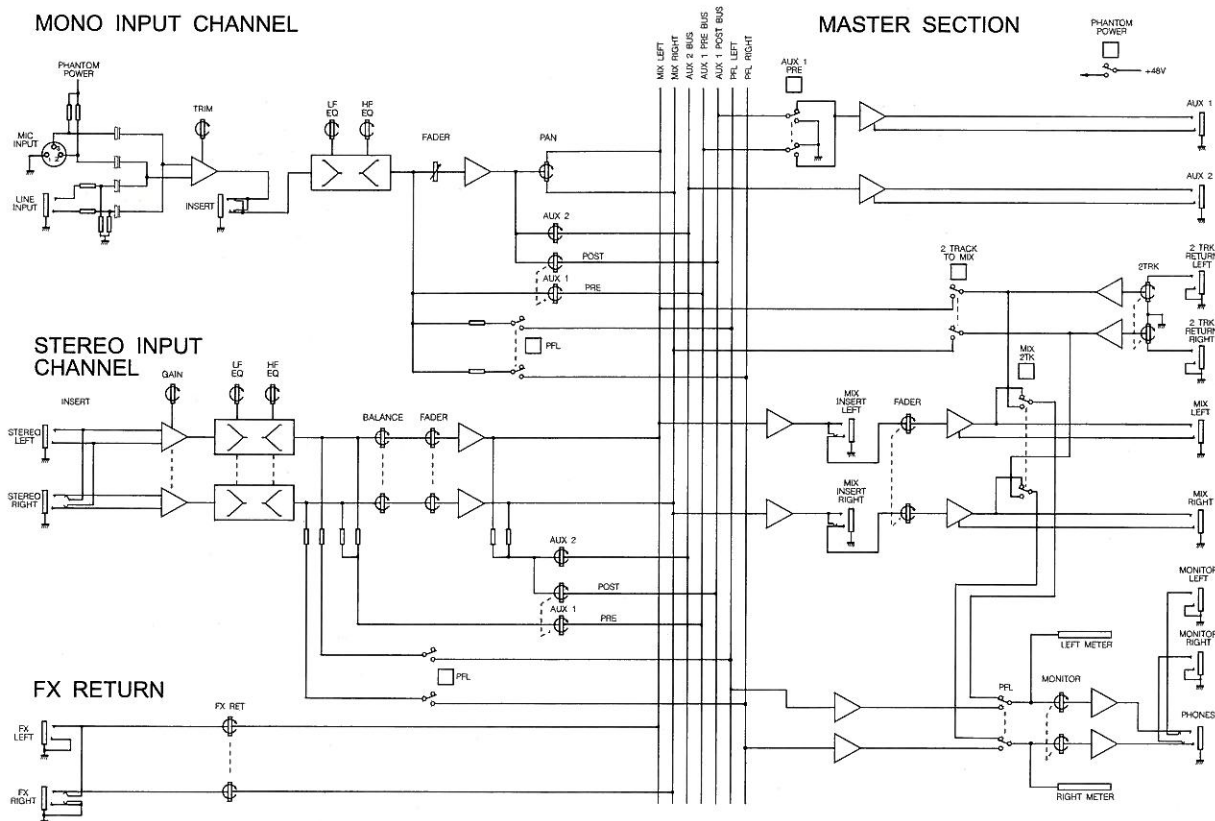
Helps keep noise and hum to an absolute minimum.

30 Accessories

19" rack adaptor so that you can use Folio Lite in a Rack mount setup.

FOLIO LITE

SYSTEM BLOCK DIAGRAM



SPECIFICATIONS

Mix Noise

Input faders down, Master fader up

<-81dBu

Aux Noise

Typical, Input Sends down

<-88dBu

EIN

Source resistance 150Ω

-129dBu

Distortion (THD)

Mic input, gain 30dB. Mix Out @ +14dBu,
@ 1kHz

<0.007%

Crosstalk (measured 1kHz)

Input Fader Attenuation, typical

>85dBu

Aux Send Attenuation

>84dBu

Frequency Response (measured 20Hz - 30kHz)

Line Input to Mix Out L/R

±1dB

Input & Output Impedances

Microphone Inputs

2kΩ

Line Inputs

10kΩ

Outputs

75Ω

Input & Output Levels

Microphone Inputs max level

+16dBu

Line Inputs max level

>+30dBu

Any Output max level

+21dBu

Headphone Output, into 600Ω

130mW

Weight (net)

2.5kg / 5.5lb

Dimensions

H265.5 x W300 x D40mm

E&OE. Spirit by Soundcraft reserves the right to alter specifications without prior notice.



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