

A MINOR MIRACLE IN DESKTOP MIXING.

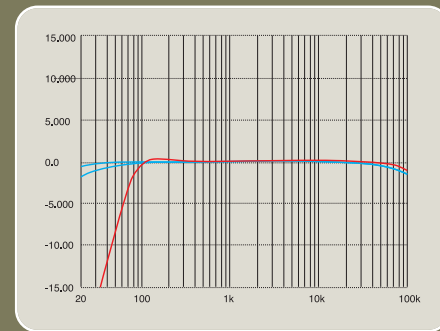
- A choice of 4 and 10-channel models
- XLR and 1/4" jack inputs
- High quality Class A mic preamps
- 3-band EQ on all input channels
- Insert points for additional processing
- Pan and Balance controls
- Switchable +48V phantom power and indicator
- Direct Injection for basses, guitars and keyboards
- Switchable RIAA turntable equalisation
- Zero-latency monitoring
- Failsafe recording bus
- Dedicated artist and engineer headphone monitoring
- Balanced and unbalanced record and playback connectors
- Balanced mix and monitor outputs
- Intuitive monitoring system
- Turntable ground stud
- Anti-skate rubber compound feet
- Ez-groove mounting
- Re-enforced anodised aluminium chassis



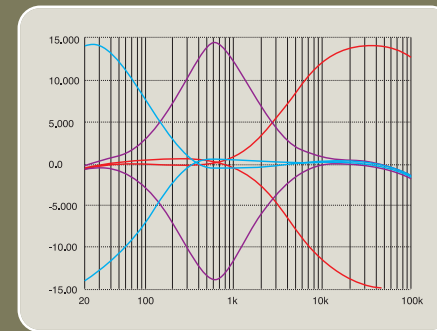
TYPICAL SPECIFICATIONS

Noise	(22Hz-22kHz measurement bandwidth) Mic EIN @ max gain, 150Ω source impedance -128dBu Mix @ max, faders down <-85dBu	EQ	(EQ bands ±12dB) Lo 60Hz Mid 600Hz Hi 12kHz
Crosstalk	(typ. @ 1kHz) Channel level cut-off (rel +10 mark) >80dB	Weight	COMPACT 4 1.75kg (3.85lbs) COMPACT 10 2.75kg (6.05lbs)
Frequency Response	Mic/Line input to any output 20Hz-20kHz, ±0.5dB	Power	(Average power consumption - quiescent) COMPACT 4 8W COMPACT 10 14W
THD+Noise	Mic gain 30dB Mix out, fader max @ 1kHz <0.007%	Temperature	Minimum operating temperature 0°C, 32°F Maximum operating temperature 50°C, 122°F
Input & Output Impedances	Mic input 2kΩ Line input 10kΩ Hi-Z input 300kΩ Stereo input 47kΩ Outputs 75Ω	Dimensions	COMPACT 4 W x H x D 277mm(10.9") x 55mm(2.17") x 246mm(9.69") COMPACT 10 W x H x D 456mm(18") x 55mm(2.17") x 246mm(9.69")
Input & Output Levels	Mic input max level +16dBu Line input max level +30dBu Stereo input max level +20dBu Headphones (@ 200Ω) 300mW		

PERFORMANCE OVERVIEW



Frequency Response
Blue: 'Flat' response
Red: Response with High Pass Filter in signal path



Equalisation Characteristics
Blue: LF · Crimson: MF · Red: HF

 **Soundcraft**

Soundcraft Registered Community Trade Mark/RTM No. 000557827

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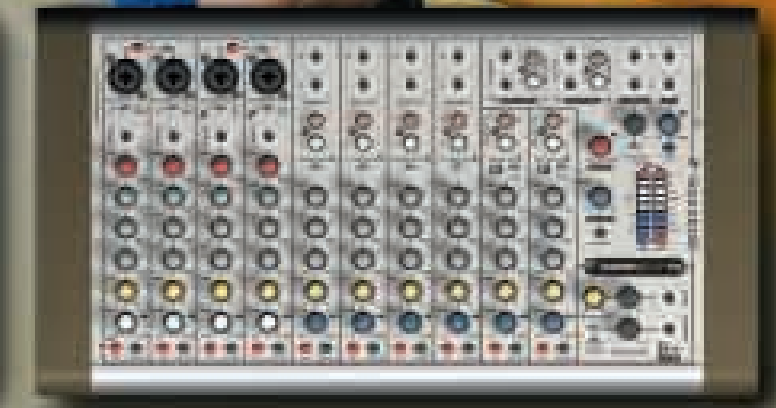
Soundcraft reserves the right to improve or otherwise alter any information supplied in this document or any other documentation supplied hereafter. E&OE 01/04
This equipment complies with the EMC Directive 89/336/EEC

Part No: ZL0615



H A Harman International Company

 **Soundcraft**



COMPACT

DESKTOP AUDIO MIXERS COMPACT 4 / COMPACT 10

COMPACT

DESKTOP AUDIO MIXERS

As home studio recording grows ever more sophisticated, Soundcraft has responded with a refreshingly easy-to-use new breed of mixers - COMPACT. Available in 4 and 10 channel models, COMPACT mixers make computer-based recording easy, and are also ideally equipped for live applications.

A FRESH APPROACH TO MIXING

COMPACT mixers have been designed to make the job of recording easy. The often-confusing industry terms which appear on

conventional small mixing consoles have been replaced with easy to understand legending, while controls are organised to give clear and intuitive access to all functions.

HASSLE-FREE INSTRUMENT CONNECTION

It's easy to plug instruments straight into COMPACT (Direct Injection) and this cuts down on other equipment. A DI switch on channel 2 (and

channels 3 & 4 on the COMPACT 10) matches the input impedance to achieve optimum performance levels from basses, guitars and keyboards.

OVERDUBS MADE EASY

If you've ever tried to record using a sequencer, you've probably experienced latency - an irritating delay that occurs between playing a sound and hearing it reproduced. COMPACT mixers feature zero-latency monitoring, which means you can mix your live sound with the playback

sound from a computer and hear your overdubs at the same time as you play them.

TOTAL PEACE OF MIND

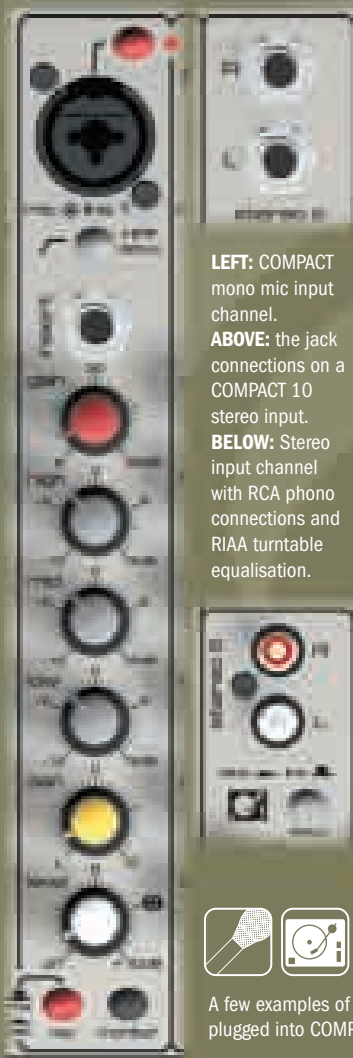
With other small mixers, it's easy to leave more channels open than are being used, resulting in unwanted background noise. Worse still, if the wrong channels are selected, you could miss recording the perfect performance. With COMPACT's failsafe recording feature, you can be certain that you've only recorded the channels you intended.

SEPARATE MIX, MONITOR AND RECORD OUTPUTS

COMPACT is a great live mixer for any medium-sized band. With separate Mix, Monitor and Record outputs, you can create perfect mixes for the band and your audience, while simultaneously recording the performance on DAT or CD.

ENGINEER AND ARTIST HEADPHONE OUTPUTS

It's often useful to have different mixes in the studio. COMPACT provides headphone feeds for engineer and artist so the engineer can listen to the overall performance while the artist has a mix tailored to their specific requirements. Essential in overdub situations, this means that the artist can precisely control how much of themselves they hear in the mix, helping them to give their best possible performance.



LEFT: COMPACT mono mic input channel. ABOVE: the jack connections on a COMPACT 10 stereo input. BELOW: Stereo input channel with RCA phono connections and RIAA turntable equalisation.



A few examples of the huge range of equipment that can be plugged into COMPACT mixers.

PLUGGING INTO COMPACT

The fully featured mono and stereo inputs on the COMPACT 4 and 10 allow you to connect virtually any audio equipment and quickly achieve a professional mix.

The mono channels feature ultra high quality mic preamps, based on the award winning designs of Soundcraft's high-end studio consoles. And a gain control gives you precise control over the input signal. Combined XLR/jack inputs accommodate a huge range of equipment and switchable +48V phantom power means that you can use powered (condenser) microphones. A HPF switch on channel 1 (and channel 2 on the COMPACT 10) gets rid of any low frequency noise present in the signal. A DI switch on channel 2 (and channels 3 & 4 on the COMPACT 10)

allows basses, guitars and other electric instruments to be plugged directly into the mixer. All mono channels have jack insert points which means you can easily connect external effects processors.

The two stereo channels on the COMPACT 4 (stereo channels 5 and 6 on the COMPACT 10) have RCA phono inputs which let you connect numerous stereo sources including keyboards, CD players, and even record decks (an RIAA switch is provided to correctly match a turntable to the channel inputs). The COMPACT 10 has four additional stereo channels equipped with RCA phono and jack connectors for keyboard instruments, samplers and other audio devices.

Soundcraft equalisation has been praised by many of the world's top recording engineers for its precision and musical operation. The COMPACT features a superb 3-band EQ section on every channel (mono and stereo) which puts sophisticated tone shaping control at your fingertips.

Pan (mono channel) and Balance (stereo channel) controls give precise positioning of instruments in the mix and smooth level knobs make it easy to get a good blend of sounds.

All controls are colour-coded for at-a-glance navigation of the mixer and using the buttons at the bottom of each channel, you can create separate Record, Mix and Monitor mixes.

THE MONITORING SECTION

Whether you're recording, mixing live, or both, COMPACT offers an extensive range of monitoring facilities to make the job as easy as possible.

Record outputs are provided on phono and jack connectors for flexible interfacing with CD recorders and soundcards. When connected to a computer, the output from COMPACT can be recorded on any sequencing software. The soundcard outputs can be connected to the COMPACT playback phono or jack connectors. This playback signal is added to the Main mix via its blue rotary level control. This can then be mixed with the record signal for zero-latency overdubbing.

8-segment LED bargraph metering assists in achieving optimum signal

levels. The LEDs are colour coded to clearly indicate a signal that is too low, too high, and just right.

When overdubbing, an artist will often require their instrument to be louder in the mix. So that engineer and artist can listen to different mixes, separate headphone outputs are provided. The Artist headphones can be sent a blend of the Record signal and Main Mix signal. The Engineer headphones are sent the Main Mix as standard but can be switched to listen to the Artists' mix if desired.

When the Monitor button on an input channel is pressed, the signal is sent to the Monitor outputs so adjustments can be made without hearing other channels. Unlike other mixers which can sometimes present a mono sum of this signal, COMPACT

retains stereo information on stereo channels, which means that you'll always hear the signal as it would be in the stereo mix.

COMPACT's Main Mix outputs are invaluable for live applications. Simply connect them to a pair of powered speakers for immediate sound reinforcement.

All jack connections (except insert points) on COMPACT are balanced, just as you'd find on a high-end mixing console. This means that noise and interference are kept to a minimum, particularly important for operation near computers.



COMPACT 4

With 2 mono and 2 stereo inputs, the COMPACT 4 is perfect for solo singer/songwriters, duos and DJs.



APPLICATIONS

Packed with features you'll find on professional recording consoles, COMPACT mixers from Soundcraft are perfectly portable and can be configured in minutes.

With a full complement of professional input and output connectors, COMPACT integrates seamlessly with other pro-studio equipment, including computer soundcards. On the stage, simply connect powered speakers to the Main Mix for a tidy PA solution.



This diagram illustrates some of the equipment that can be connected to COMPACT mixers. The COMPACT 4 is pictured and COMPACT 10 accepts the same sources, with two extra mono and four additional stereo channels for more keyboards, sound modules etc.

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|---------------------|---|---------------------|----|
| Monitors | 1 | Synthesiser / Piano | 8 |
| Monitor Amplifier | 2 | Guitar Effects | 9 |
| Engineer Headphones | 3 | Soundcard In | 10 |
| Artist Headphones | 4 | Soundcard Out | 11 |
| Microphone | 5 | CD Recorder | 12 |
| Guitar | 6 | Compressor | 13 |
| Decks (turntable) | 7 | | |

COMPACT 10

The COMPACT 10 has 4 mono and 6 stereo inputs and is ideal for medium sized bands or anyone who uses a lot of equipment! Like the COMPACT 4, 2 stereo inputs have switchable RIAA turntable equalisation.

