



TECHNICAL DATA

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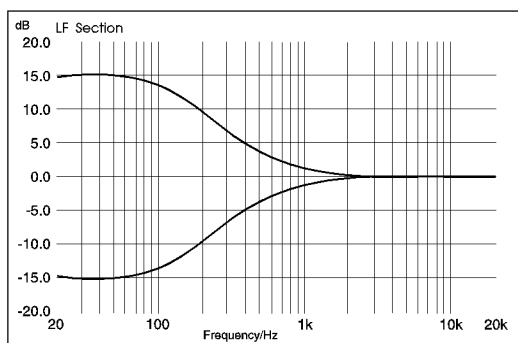
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INTRODUCTION

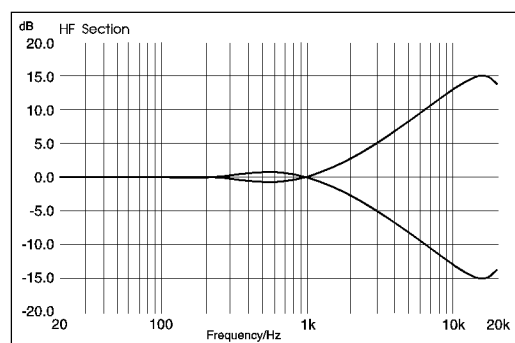
- 24, 32, 40 FRAME SIZES
- 2 FULL STEREO LINE INPUTS PLUS 4 STEREO RETURNS AS STANDARD
- 8 AUXES, 8 SUBGROUPS
- SWEEP FILTER AND 4 BAND EQ WITH SWEEPABLE MIDS
- 8 MUTE GROUPS
- 11 x 2 MATRIX BUILT-IN
- LED INPUT AND OUTPUT METERING
- 128 MIDI-CONTROLLABLE SNAPSHOTS STORE INPUT MUTES

TYPICAL EQ CURVES

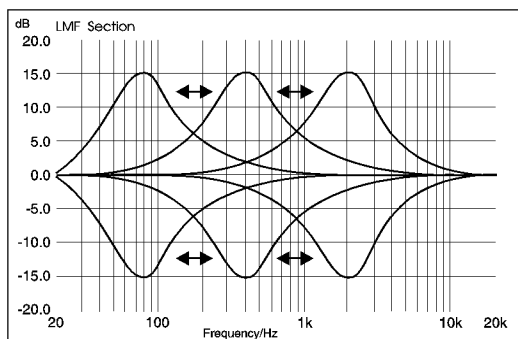
LF



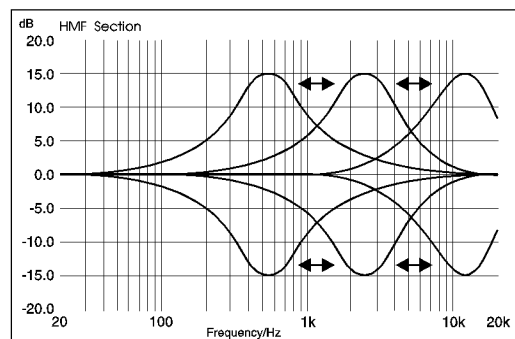
HF



LMF



HMF



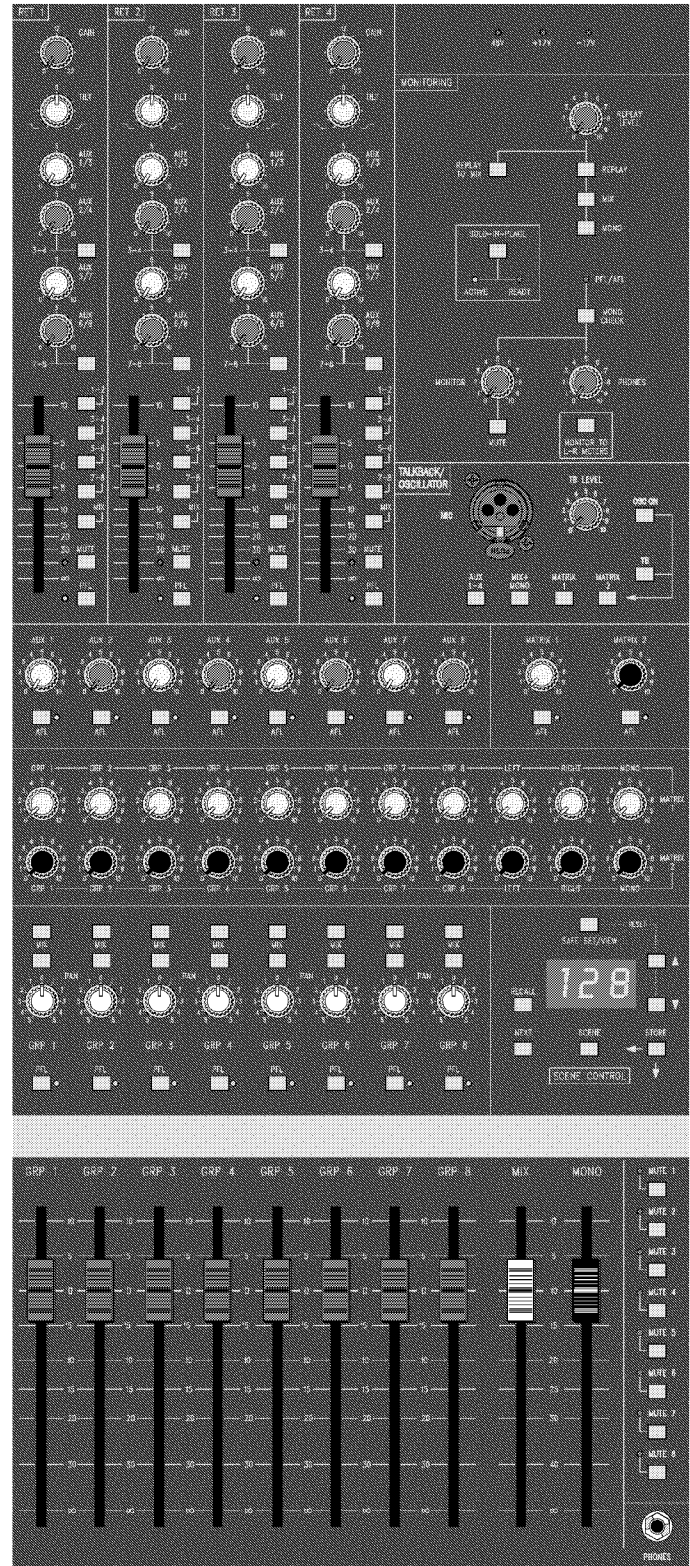
MONO INPUT



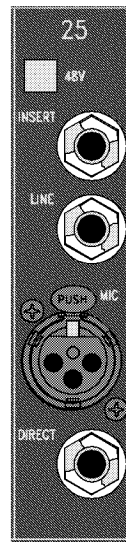
STEREO INPUT



MASTER SECTION



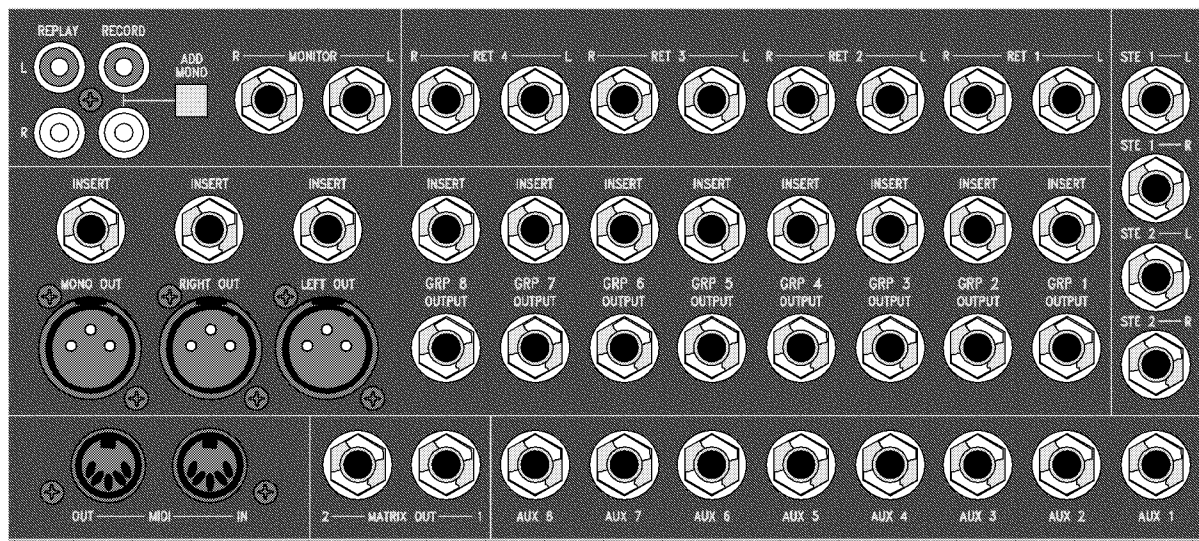
MONO INPUT

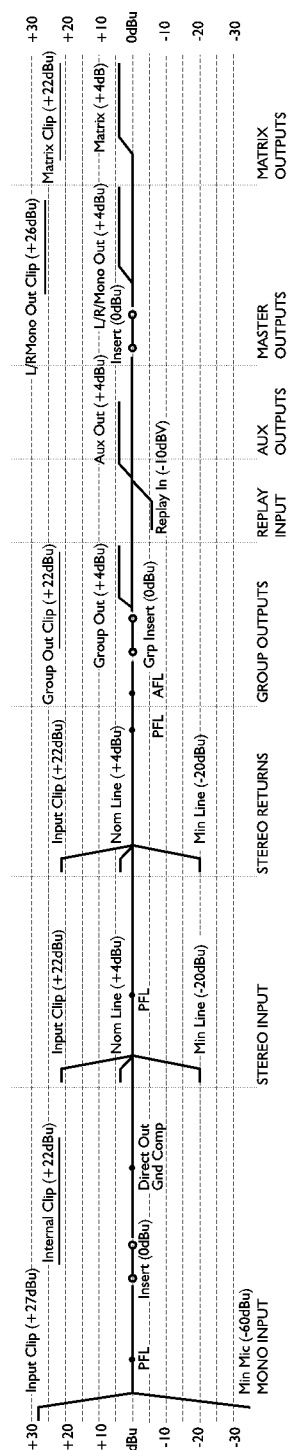
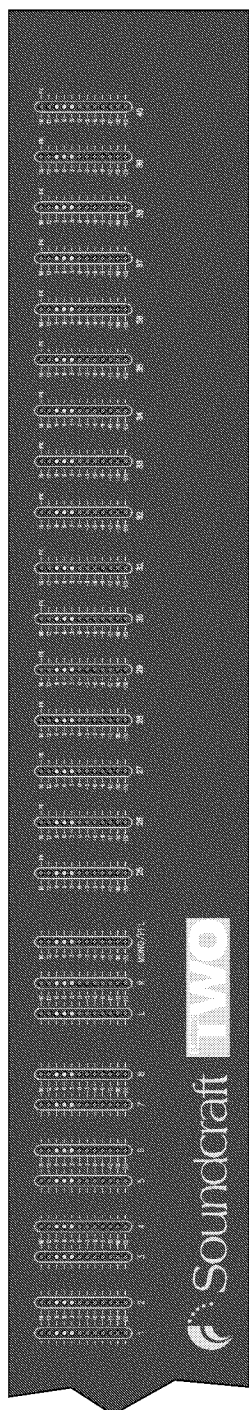
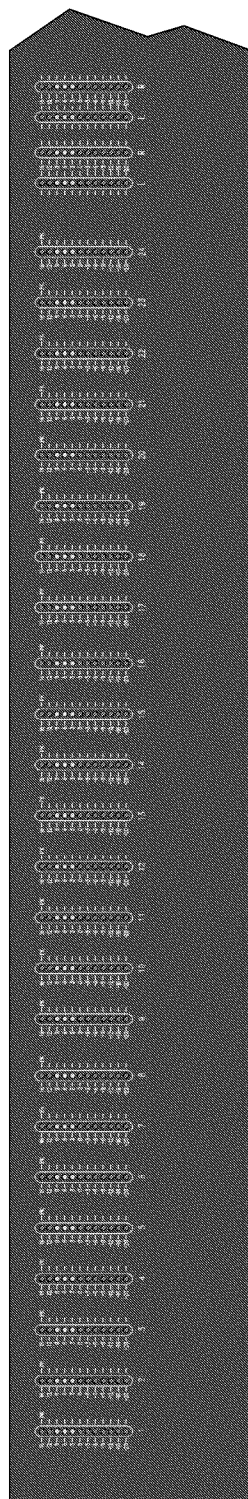


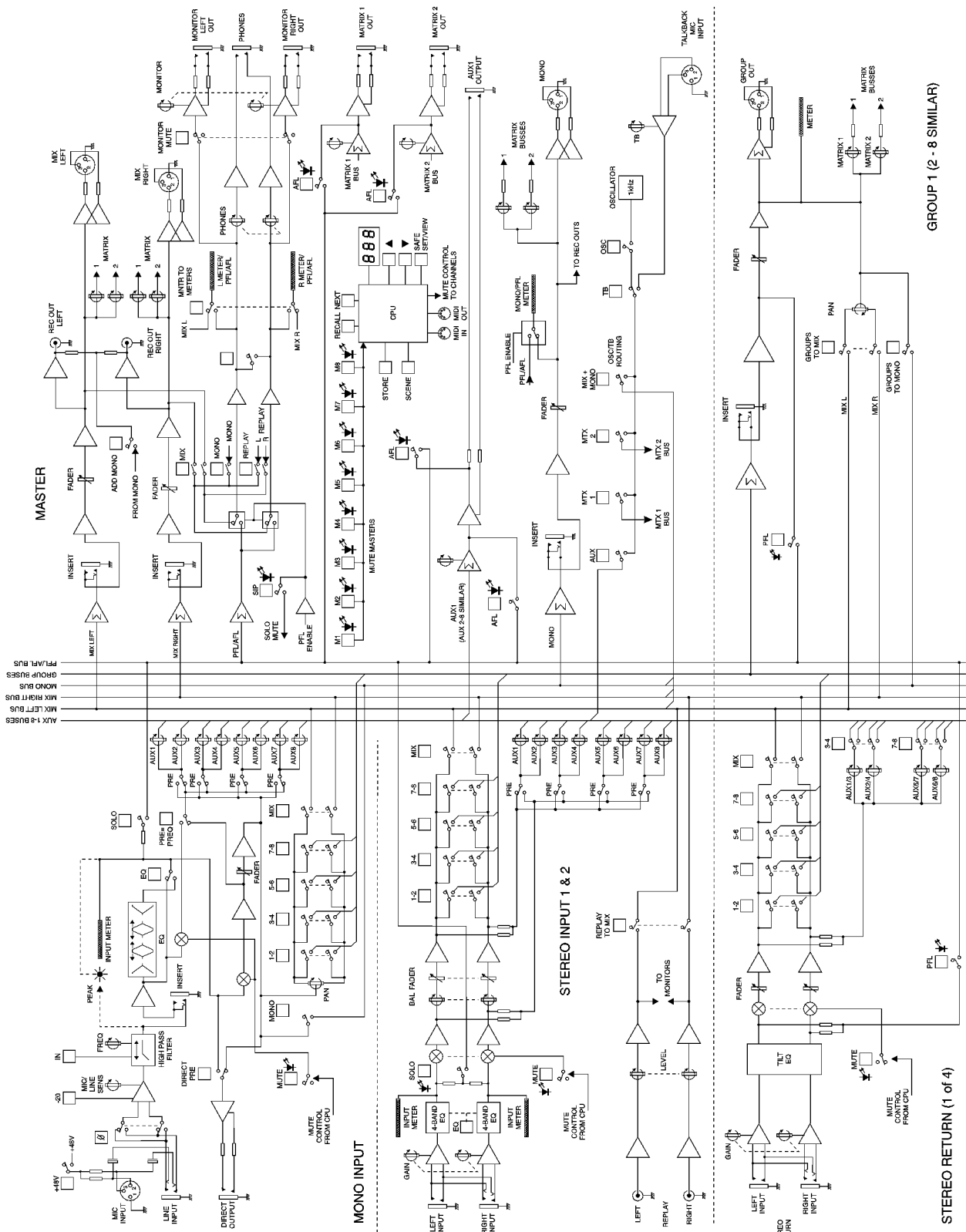
STEREO INPUT



OUTPUTS & MASTER







The Mixing Console shall be constructed in a rigid monocoque chassis, and shall be available in 24, 32, and 40 mono input sizes. The mixing console shall provide eight mono Auxiliary sends, eight mono subgroups, as well as Stereo and Mono outputs. A Mute Sceneset system shall be included, enabling up to 128 scenes to be stored and recalled, with eight mute groups. The console shall be provided with 2 Stereo Input channels, 4 FX Returns, Master Section and MIDI Scene Set Section. There shall be a flexible matrix system. The console will be supplied with a separate DCP200 Power Supply with optional 19-inch rack-mount capability.

The Mono Input shall have the following features; electronically balanced low-impedance input via an XLR socket with a switched continuously variable gain giving two sensitivity ranges of -15dBu to -60dBu and +5dBu to -40dBu, switchable 48V phantom power, a 40-400Hz High-pass filter and phase switch. A bypassable 4-band semi-parametric equaliser shall be provided, with shelving response HF and LF controls with cut-off points 12kHz and 60Hz, and two mid-frequency controls covering the ranges of 550Hz - 13kHz and 80Hz - 1.9kHz with a Q factor of 1.3. All bands shall have a cut and boost of 15dB (centre detented). 8 Auxiliary sends shall be provided with individual level controls and pre/post fader switching in pairs. The pre-fade source shall be selectable pre- or post-EQ from a front-panel switch. The direct output shall be switch-selectable to be pre- or post-fade. Routing to the 8 subgroups shall be post-pan, in pairs via switches. The pan control shall also feed the Stereo Mix bus via the Mix switch. Routing to the Mono (centre) Mix shall be via a separate switch. A 100mm fader with dust protection shall control the level to all post-fade busses. A mute switch shall control the main signal path and a solo switch shall allow the pre-fade signals to be monitored at all times. A 12-segment LED meter with separate dual-sensing peak indicator shall be provided in the overbridge above each channel. There shall be a post-filter, pre-EQ insert point using a jack.

The Stereo Input shall have the following features; stereo line level input on balanced jacks with a continuously variable gain range giving a sensitivity of +4dBu to -18dBu. A bypassable 4-band stereo equaliser shall be provided, with shelving HF and LF sections operating at 12kHz and 60Hz respectively, and peak/dip mid bands operating at 3kHz and 320Hz. Access to all eight Auxiliaries shall be possible, with paired switch selection of pre- and post-fader. All Auxiliaries are fed with a mono sum of the stereo signal. A 100mm fader and illuminated Mute switch, a stereo balance control and routing switches to the main Mix, Mono (centre) Mix and 8 subgroup busses shall be provided. Twin 12-segment peak-reading bargraph meters and illuminated Solo switch will allow pre-fade monitoring at all times. Eight Group Outputs, 8 Aux Outputs, and 2 Matrix Outputs shall be provided, controlled from the output section of the console. The Group master sections shall each have a 100mm fader, and an illuminated PFL switch. The Group outputs shall be routable to the main Mono (centre) bus via a switch, and to the main Stereo busses via a pan pot and a switch. They shall each have an insert point via rear panel jack. Two Matrix outputs shall be provided, with each output receiving a contribution from each of the 8 Groups, Mix L, R and Mono (centre). The Matrix output shall be controlled by a master rotary fader with associated AFL switch. The Aux master section shall have a rotary master fader for each of the 8 Aux busses, and associated AFL switches for monitoring.

The Master section shall have a 100mm stereo master fader which controls L and R Mix outputs, and a second 100mm fader controlling the Mono (centre) Mix output. A stereo monitor and phones output shall be provided, with switchable source selection from the Mono or Stereo Mix busses or a Stereo Replay line input. The Replay input shall also be routable to the main Stereo Mix bus. The Solo system shall comprise PFL from inputs and PFL or AFL from outputs, and a selectable Solo-in-Place mode shall be provided. The PFL/AFL signals shall appear on the monitor and phones outputs and the Mono/Solo bargraph meter. There shall be a Talkback microphone socket and switching, and a 1kHz test oscillator. Four Stereo Returns shall be provided for stereo line level inputs, with 60mm fader, 'TILT' EQ, Mute and Solo switches and routing to Group and Stereo Mix busses. Access to all 8 Auxiliaries shall be provided via four rotary send controls in conjunction with two shift switches.

The console will have an overbridge as standard, with LED peak-reading bargraphs for all Mono and Stereo inputs plus the Group, Stereo and Mono (centre) Mix outputs. The MIDI Scene Set section shall be capable of storing up to 128 snapshots comprising mono and stereo input and stereo return mutes. A fixed MIDI Program change message shall be transmitted upon recalling a snapshot. A three-digit LED display shall be used to show snapshot number. Eight preset switches shall be used to assign mute groups; these shall work independently of the snapshot system. External devices may be triggered using MIDI Note On/Off messages transmitted when mute switches are pressed.

The dimensions and specifications shall be as published on the rear cover of this brochure. The console shall be the Soundcraft Series TWO.



TYPICAL SPECIFICATIONS

Connections

Low Impedance Input (XLR)
 High Impedance Input (jack)
 Insert (jack)
 Direct Out (jack)
 Stereo Input/Return (jack)
 Replay Input (RCA phono)
 Record Output (RCA phono)
 Group Insert (jack)
 Group Output (jack)
 Aux Output (jack)
 Matrix Output (jack)
 L/R/Mono Insert (jack)
 L/R/Mono Output (XLR)

Impedance

2k Ω
 > 10k Ω
 Unbalanced send/return 75 Ω /10k Ω
 75 Ω Impedance balanced
 > 10k Ω balanced
 > 10k Ω unbalanced
 75 Ω unbalanced
 Unbalanced send/return 75 Ω /10k Ω
 75 Ω Impedance balanced
 75 Ω Impedance balanced
 75 Ω Impedance balanced
 Unbalanced send/return 75 Ω /10k Ω
 75 Ω balanced

Level

-60dBu to -15dBu /-40dBu to +5dBu (+27dBu max)
 -60dBu to -15dBu /-40dBu to +5dBu (+27dBu max)
 0dBu (+22dBu max)
 0dBu (+22dBu max)
 +4dBu (+26dBu max)
 -10dBV (+14dBu max)
 -10dBV (+22dBu max)
 0dBu (+22dBu max)
 +4dBu (+22dBu max)
 +4dBu (+22dBu max)
 +4dBu (+22dBu max)
 0dBu (+22dBu max)
 +4dBu (+26dBu max)

Mono I/P EQ and Filter

High Pass Freq: 40-400Hz Slope: 12dB/octave
 HF Freq: 12kHz Gain: \pm 15dB
 HMF Freq: 550Hz to 13kHz Q: 1.3 Gain: \pm 15dB
 LMF Freq: 80Hz to 1.9kHz Q: 1.3 Gain: \pm 15dB
 LF Freq: 60Hz Gain: \pm 15dB

Frequency response

XLR input to any output +0/-0.5dB, 20Hz -20kHz

THD and Noise

1kHz XLR in to Mix Output @ +4dBu <0.0065%
 Mic Input E.I.N, 22Hz-22kHz bandwidth, unweighted (200 Ω source) <-126dBu
 Residual Noise (Mix Output), No inputs routed, Mix fader@0dB -88dBu
 Bus Noise (Mix Output), 40 channels routed, input faders @ - ∞ , Mix fader 0dB: -79dBu
 Bus Noise (Group Output), 40 channels routed, input faders @ - ∞ , Mix fader 0dB: -80dBu

Crosstalk

Measured at 1kHz
 Input channel muting: 90dB
 Input fader cutoff: 90dB





TECHNICAL DATA

DIMENSIONS AND CONFIGURATION INFORMATION

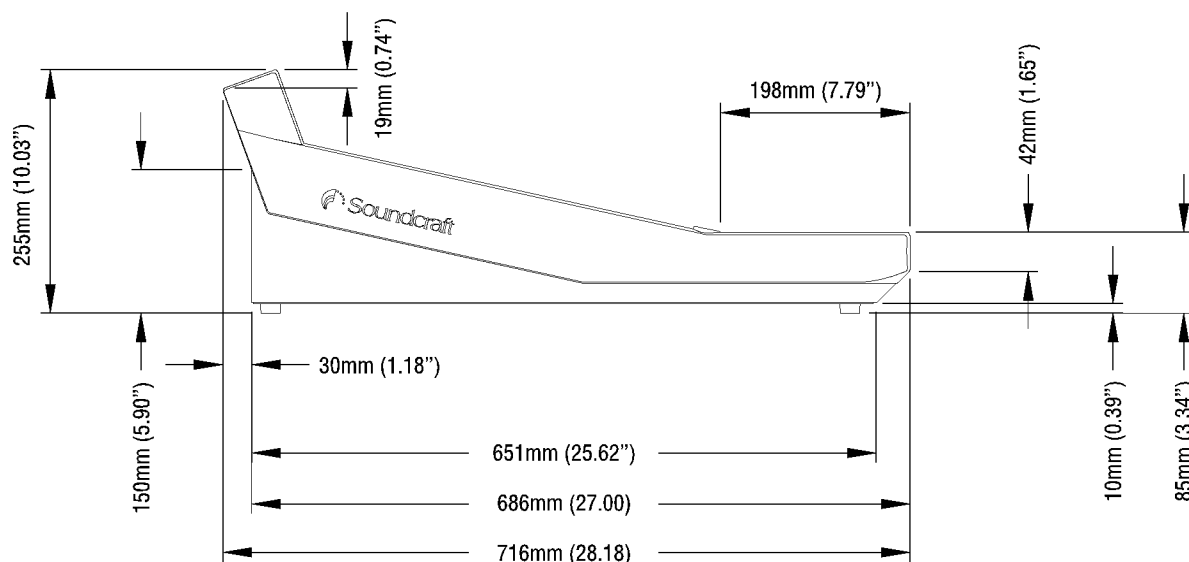
MODEL	CONFIGURATION	PART NUMBER
Series TWO	24ch 24mono 2stereo	RW5594
Series TWO	32ch 32mono 2stereo	RW5595
Series TWO	40ch 40mono 2stereo	RW5596

Console includes DCP200 Power supply and User Guide

OPTIONS AND ACCESSORIES

DCP200	Spare power Supply	RW8006
	DCP200 2U rack Mount Kit	RW8010
	Littlite 18" R/A 4-pin XLR (2 required, all console sizes)	JB0154
Series TWO	Customer Spares Kit	
Series TWO	User Guide	ZM0241
Series TWO	Technical Manual	ZM0242

Console	Overall Width
24+4 frame	1037mm (40.83")
32+4 frame	1243mm (48.93")
40+4 frame	1449mm (57.04")



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