THE SC-*TURBO* SERIES OF AUDIO MIXING CONSOLES

arrakis SYSTEMS, INC.

Easy to Operate

2000 Series console displayed in Arrakis **Modulux furniture.**

THE SC-*TURBO* SERIES OF AUDIO MIXING CONSOLES

The SC SERIES family of audio consoles is the most popular line of consoles sold in America today. With six models from 6 to 12 channels, rotary or slide faders, the SC series superbly fits applications from 'ON AIR', to the newsroom, to production.

Easy to Use

This line of consoles was specifically designed for broadcast use. The front panel layout of faders and switches is spacious and clearly laid out. The console features remote starts. A built-in telephone mix minus bus interfaces to the telephone hybrid without requiring the operator to perform any special switching. He simply turns the phone channel on.

With 6 different models in the series, the entire radio station can use an SC Series console from 'ON AIR', to production, to News. This flexibility reduces training time, makes for fewer costly 'ON AIR' mistakes, speeds production, and dramatically smooths and improves overall station operation.

Attractive and Rugged

The SC Series console line is as rugged and reliable as it is attractive. The console is constructed of heavy, hardened aluminum panels. Three large motherboards located in the bottom of the chassis contain all active audio electronics. This virtually eliminates handwiring. The power supply is external, rack mounted, and protected in all models except the 150SC where it is internal. Solid oak trim accents the clean lines and earthtone colors of this rugged and reliable console.

SC SERIES CONSOLE
PRICE LIST

EFFECTIVE OCTOBER 1, 1989

SC SERIES AUDIO CONSOLES

MODEL	DESCRIPTION	$ each
	150SC- SIX CHANNEL AUDIO CONSOLE-18 inputs, program output, rotary faders	
150SCT-6M	(MONO)	$2395
150SCT-6S	(STEREO)	$2495
	250SC- SIX CHANNEL RACK MOUNTED AUDIO CONSOLE- 18 inputs, program and audition outputs, rotary faders	
250SCT-6M	(MONO)	$2895
250SCT-6S	(STEREO)	$2995
	500SC- EIGHT CHANNEL AUDIO CONSOLE- rotary faders,22 inputs, program and audition outputs,	
500SCT-8M	(MONO)	$3495
500SCT-8S	(STEREO)	$3595
	1500SC- EIGHT CHANNEL AUDIO CONSOLE- Penny and Giles slide faders, 22 inputs, program and audition outputs	
1500SCT-8M	(MONO)	$4395
1500SCT-8S	(STEREO)	$4495
	2000SC- TWELVE CHANNEL AUDIO CONSOLE- 24 inputs, program and audition outputs, Penny and Giles slide faders	
2000SCT-12M	(MONO)	$4895
2000SCT-12S	(STEREO)	$4995
	2100SC- TWELVE CHANNEL AUDIO CONSOLE (with 2 inputs per channel) 34 inputs, program and audition outputs, Penny and Giles slide faders	
2100SCT-12M	(MONO)	$5895
2100SCT-12S	(STEREO)	$5995
	OPTION- DIGITAL CLOCK- ESE- (Models 150,500,	
CLK-1	2000SCT only)	$349
TMR-1	OPTION- DIGITAL UP-TIMER- ESE- 60 minute	
	(Models150,500,2000 ONLY)	$349

5000 SERIES AUDIO CONSOLE

MODEL	DESCRIPTION	$ each
	5000 SERIES- SIXTEEN CHANNEL MODULAR AUDIO CONSOLE	
5000-MF	MAINFRAME-	$ 3499
PM1	PREAMP MODULE 1-	$ 349
SM1	STUDIO MONITOR MODULE-	$ 349
EQ1	EQUALIZATION MODULE-	$ 349
RS1	REMOTE SELECTOR MODULE-(1100A routing switcher w controller)	$ 1195
BK5	BLANK MODULE-	$ 25

NOTE- The 5000 series console is a modular version of the popular SC series console line. The 5000 modularizes the input channels while the output and monitor electronics retains the same OB1 output board as used on the SC series consoles.

Arrakis Systems inc. --- 2619 Midpoint Drive, Fort Collins, CO. 80525 --- (303) 224-2248

TURBO-SC SERIES SLIDE FADER CONSOLES

1500SCT

FEATURES-

- 8 Channels
- 2 Inputs per Channel
- 28 Inputs Total
- Program and Audition Outputs
- Mix-minus output for telephone interface
- Mono Mixdown output of Program and Audition
- Monitor, headphone, and cue amps built-in

A slide fader version of the popular 500SC, it is ideal for Newsrooms, production rooms, and 'On Air' applications.

1500SCT- 8M Mono version
1500SCT- 8S Stereo version

MODEL - 1500SCT

2000SCT

FEATURES-

- 12 Channels
- 1 Input per Channel
- 24 Inputs Total (w two 7 input remote selectors)
- Program and Audition Outputs
- Mix-minus output for telephone interface
- Mono Mixdown output of Program and Audition
- Monitor, headphone and cue amps built-in

With only a single input per channel, the 2000SC is perfect for major applications where simplified, error-free operation is important.

2000SCT- 12M Mono version
2000SCT- 12S Stereo version

MODEL - 2000SCT

2100SCT

FEATURES-

- 12 Channels
- 2 Inputs per Channel
- 34 Inputs Total
- Program and Audition Outputs
- Mix-minus output for telephone interface
- Mono Mixdown output of Program and Audition
- Monitor, headphone, and cue amps built-in

With a full 12 channels and a myriad of features, this console is designed specifically for major broadcast applications.

2100SCT- 12M Mono version
2100SCT- 12S Stereo version

MODEL - 2100SCT

Field Proven Reliability

For the ultimate in performance and reliability, the SC series console line is almost entirely DC controlled through the use of VCA's and electronic switching. There is no audio on any of the rotary pots, slide faders, or audio input and output switches. This dramatically improves reliability and eliminates the audible byproducts of scratchy pots and switches. Further, the SC series uses only premium grade parts throughout. Such names as ITT Schadow switches, Penny and Giles slide faders, and SIFAM VU meters

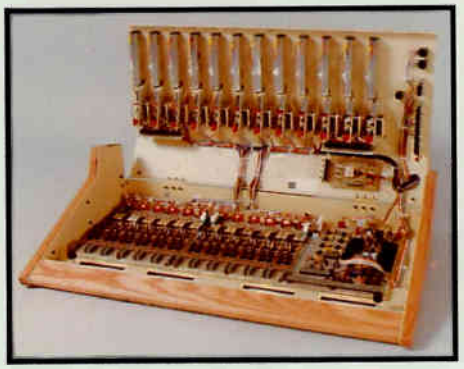
Functional and Attractive

assure quality performance and long life. The SC series of audio consoles have been field proven to be reliable, RF resistant, and rugged after tens of thousands of hours of use throughout the nation and the world.

Easy to install and service

To ease installation and service, the console front panel hinges up and back to entirely expose the interior of the console. This reveals the three large motherboards, in the bottom of the console, which contain all active audio circuits and console input-output terminal strips. All IC's are socketed and easily accessed for replacement. Wiring is to Electrovert terminal strips that simply require you to strip the wire and insert it into a hole in the strip. A screwdriver then crimps the wire firmly into the connector. Replacement of a motherboard takes only 6 captive

Easy to Install and Service



screws and a few minutes. All PC board interconnections are gold plated. Attention to detail makes the SC series console flexible and friendly in a real broadcast environment.

TURBO-IZED

In 1988, the seven year old SC series went *Turbo.* An internal redesign added features, improved performance, simplified installation, and improved documentation while remaining plug-in compatible with earlier revisions.

The reasons that the SC Series is the most popular console sold today in radio are simplicity itself; simple to install—simple to use—simple to service. Added to the simplicity are rugged reliability, performance, features, and price. These factors add up to make the SC series unique among audio broadcast consoles today.

Rack Mounted Power Supply

FEATURES

- **6 Models**
- Active balanced Inputs and Outputs for high performance
- VCA's remove audio from all pots
- DC Switching removes audio from switches
- Solid Oak end panels & armrests
- Mono mixdowns for Program and Audition standard
- Mix-minus bus for interface to phone hybrids standard
- 10 watt per channel monitor amp
- 2 watt per channel earphone and cue amps
- Stereo cue system
- VU Meters -taut band, buffered and adjustable
- Remote Start - (all models except 150SC)
- Muting- Jumper selectable for any 'A' input
- Muting Relay -3PDT built-in
- Two year warranty

NEW TURBO FEATURES

- Prefader Patch jumpers on all 'A' inputs
- Rack mounted external power supply
- Undedicated mic preamp for customer options
- Digital clock and timer (optional for 150, 500, 2000)
- Remote select switches- connectorized for ease of install
- External monitor inputs- connectorized and buffered
- 500SC, 1500, 2100 mute on 'A' input only so that 'B' inputs can be line level
- All rotary fader boards feature NEW conductive plastic faders with stainless steel shafts and bushings
- New improved hardened paint
- New improved manuals with expanded documentation
- Turbo-ized performance
  Lower distortion
  Lower crosstalk

TURBO-SC SERIES ROTARY FADER CONSOLES

150SCT

MODEL - 150SCT

FEATURES-

- 6 Channels
- 2 Inputs per Channel
- 18 Inputs Total
- Program Output
- Mix-minus output for telephone interface
- Mono Mixdown output of Program
- Monitor, headphone, and cue amps built-in
- Totally self-contained w built-in power supply

Ideal for Newsrooms, production rooms, and small 'On AIR' applications.

150SCT-6M Mono version
150SCT-6S Stereo version

250SCT

MODEL - 250SCT

FEATURES-

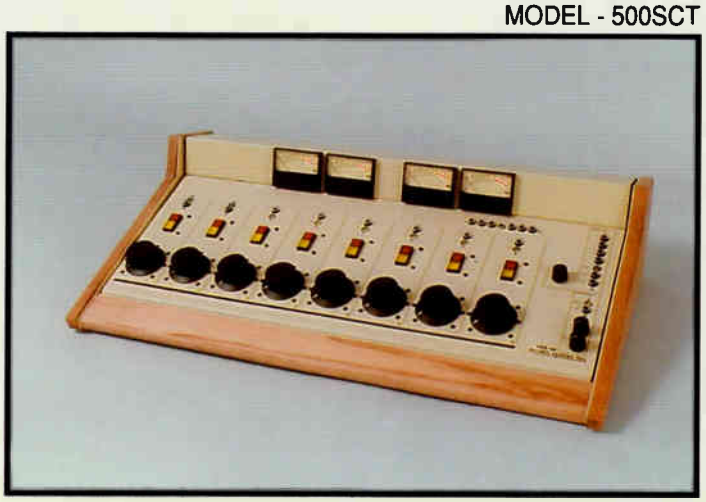
- 6 Channels
- 2 Inputs per Channel
- 18 Inputs Total
- Program and Audition Outputs
- Mix-minus output for telephone interface
- Mono Mixdown output of Program and Audition
- Headphone and cue amps built-in
- Rack Mounted (3RU)

Perfect for rack mounted applications in Newsrooms, production rooms, small 'On AIR', and mobile applications.

250SCT-6M Mono version
250SCT-6S Stereo version

500SCT

MODEL - 500SCT



FEATURES-

- 8 Channels
- 2 Inputs per Channel
- 22 Inputs Total
- Program and Audition Outputs
- Mix-minus output for telephone interface
- Mono Mixdown output of Program and Audition
- Monitor, headphone, and cue amps built-in

Designed specifically for mid-sized broadcast applications requiring a full-featured 8 channel console.

500SCT-8M Mono version
500SCT-8S Stereo version

SPECIFICATIONS

ELECTRICAL
Frequency Response- +/- .5dB
20Hz-20kHz
Noise
Mic- (-)70dB below +8dBV out with -50dBV in, 150 ohms
Line- (-)85dB below +8dBV out with +8dBV in, 600 ohms
Distortion- Total Harmonic
.02% (+8dBV in-out, 30kHz filter)
Crosstalk- (-) 70dB at 20kHz
Impedances
Inputs-
Mic- 2000 ohms balanced
Line- larger than 100,000 ohms balanced
Outputs- 600 ohm balanced, + 27dBV max output level
Monitor- 10 watts per channel into 8 ohms
Earphone- 2 watts per channel into 8 ohms
Cue- 2 watts per channel into 8 ohms

Tests are performed as per factory approved test procedures and equipment. Specifications are typical and subject to change without notice as advances in technology are incorporated.

PHYSICAL
Dimensions- 30"W x 17"D x 8"H
Weight-Console- 38 lb's
Power supply-28 lb's

For detailed specifications and information on the SCT series of consoles, please call or write for-
SCT SERIES TECHNICAL INSTALLATION MANUAL
Publication #-IM-SCT-89

10,000 Series console

Inquire about other Arrakis console lines or Modulux furniture as shown at the right.

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2619 MIDPOINT DRIVE
FORT COLLINS, CO 80525
(303) 224-2248