

AUTOLOCK

BY AUTOGRAM



Panel mount version



Stand alone version

FEATURES

TIME (HH MM SS):

PM indicator, battery backed, Top of the Hour
Sync for maximum accuracy (WWV or Network)

DATE (MM DD YY DOW):

Automatic Leap Year Compensation, battery backed

STOPWATCH (MM SS):

0:00 to 99:59, functions include: Restart/Stop,
Start/Continue, Reset

COUNT-DOWN (SS):

Adjustable from 1 to 32 seconds for fixed
count-down timings

TEMPERATURE (F/C):

External probe, High Of Day and Low Of Day
plus Time occurred

AUTOLOCK:

Syncs any number of AUTOLOCK units for
same Time/Date/Temperature displays
(Stopwatch and Count-Down controlled locally)

AUTOGRAM
CORPORATION

PO Box 456, 1500 Capital Avenue

Plano, Texas 75074

(214) 424-8585

AUROCLOCK MODES

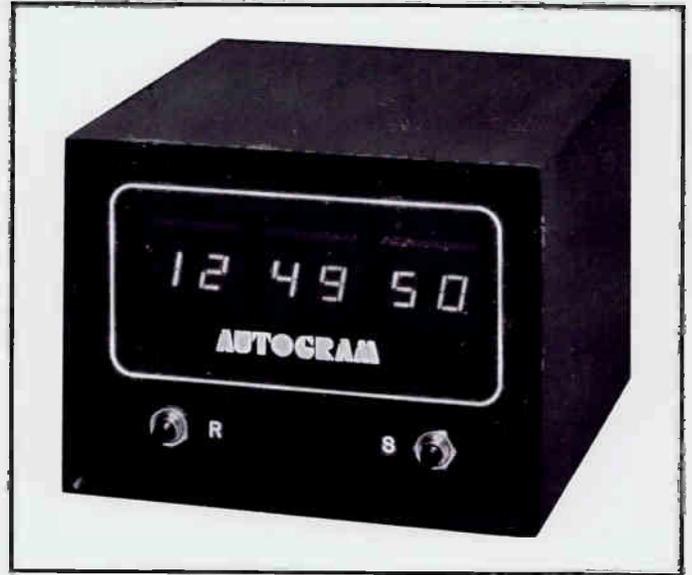
ACTION	DISPLAY	RESULT
Normal Display		Displays Time in HH MM SS format on the top line (With PM indicator)
Audio Source started		Displays Stopwatch in MM.SS format on the bottom line (Stopwatch to 99.59)
Press D/T Pushbutton		Displays Date in MM DD format on top line, with day of week on the bottom line (Includes Leap Year)
Push F/C pushbutton		Displays Temperature in degrees F or C on the bottom line (-40F to 189F or -40C to 87C)
Push F/C pushbutton Push D/T pushbutton (Push D/T again to display Low temperature)		Displays High and Low Temperature of the day on the bottom line and the Time it occurred on the top line
External count-down signal detected (Ex. Tertiary signal to provide end of spot countdown)		Displays the Count-down timer on the abottom line (Adjustable from 1 to 32 seconds)
Battery failure		Displays dashes on the top line to indicate a battery replacement is required (1 AAA cell)

AUTOCOUNT

BY AUTOGRAM



Model 200C (Panel Mount)



Model 200D (Stand Alone Cabinet)

FEATURES

COUNT-UP TIMER:

00:00 to 59:59:99
Reads: Minutes to 59
Seconds to 59
Seconds to .99

STOPWATCH:

00:00 to 59:59:99
Start / Hold / Reset

LAP TIMER:

00:00 to 59:59:99
Start / Hold / Restart / Reset

ACCUM TIMER:

00:00 to 59:59:99
Interfaces to cart machine for cart timing

DIMENSIONS

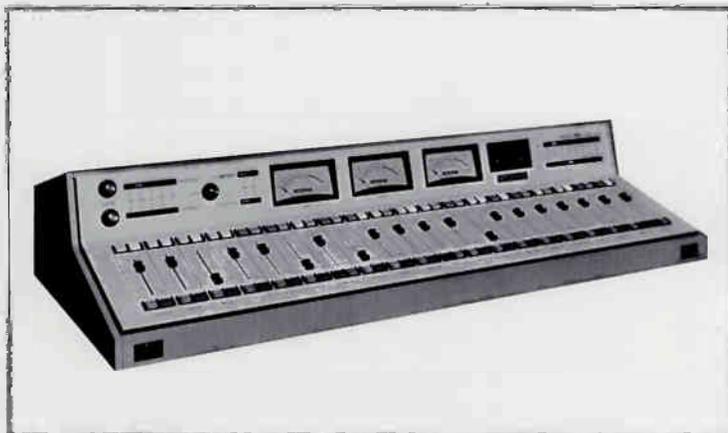
Panel Mount (Model 200C):
3.75" (9.52 cm) W x 2.05" (5.21 cm) H
x 4.5" (11.43 cm) D
Stand Alone Cabinet (Model 200D):
4.0" (10.16 cm) W x 3.2" (8.13 cm) H
x 5.4" (13.72 cm) D

All specifications are subject to change without notice. 6355/987

AUTOGRAM
CORPORATION

PO Box 456, 1500 Capital
Plano, Texas 75074
(214) 424-8585

Autogram Mono/Stereo Audio Consoles



R/TV-20

Available with 12 slide pots

Sources:

- 20 slide pots
- 34 stereo inputs

Outputs:

- 1 stereo program
- 1 stereo audition
- 2 mix minus
- 1 monophonic program
- 2 line monitors
- 2 headphones
- 1 cue



LC-10

Sources:

- 28 stereo inputs with customer's option as to use by plug-in modules
- 1 high level cassette

Outputs (depends on modules used):

- 1 stereo program
- 1 stereo audition
- 1 monophonic program



IC-10

Available in 6 and 8 pot configuration

Sources:

- 28 stereo inputs with customer's option as to use by plug-in modules
- 1 high level cassette

Outputs (depends on modules used):

- 1 stereo program
- 1 stereo audition
- 1 monophonic program

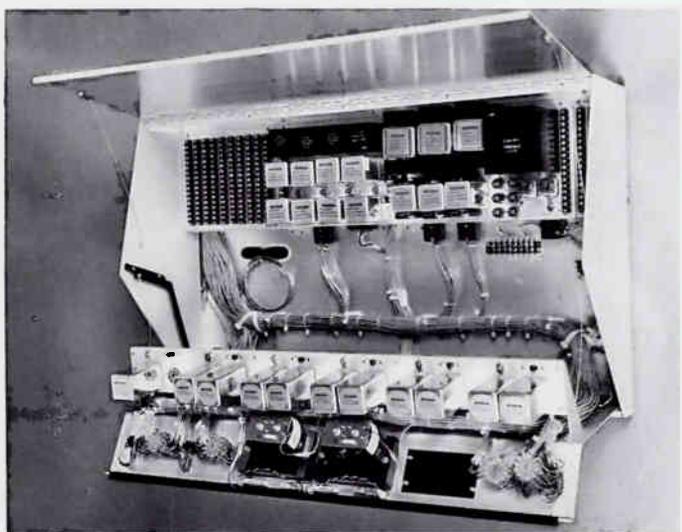
All specifications are subject to change without notice. 6871 / 387

AUTOGRAM
CORPORATION

PO Box 456, 1500 Capital Avenue
Plano, Texas 75074
214-424-8585

AUTOGRAM

AC-6 Mono/Stereo Audio Console



MOUNTING & DIMENSIONS:

Table top with bottom or back cable entry
Height: 10 in.; 25.4 cm.
Depth: 20 in.; 50.8 cm.
Width: 32-3/8 in.; 82.2 cm.

AUTOGRAM CORPORATION

PO Box 456, 1500 Capital Avenue
Plano, Texas 75074
214-424-8585

SPECIFICATIONS

INPUT CHARACTERISTICS:

Sources:

23 stereo inputs -- customer's option as to use by plug-in modules
1 high level cassette

Impedances:

Microphone, 200 or 50 ohms
High level 10K ohm bridge or 600 ohm terminate
External monitor 10K ohm

Levels:

Microphone -65 to -50 dBm
High level -10 dBm to +10 dBm
External monitor -10 dBm to +10 dBm

Noise:

Program/audition -120 dBm
Monitor -110 dBm

Power Source:

117 or 230 Vac 50-60 Hz single phase

OUTPUT CHARACTERISTICS:

Outputs (Depends on modules used)

1 Stereo program
1 Stereo audition
2 Monitor amplifiers
2 Headphone amplifiers
1 Cue amplifier

Impedances:

Program/audition 600 ohm balanced or unbalanced --
Monitor 4-16 ohm unbalanced
Cue 4-16 ohm unbalanced

Levels:

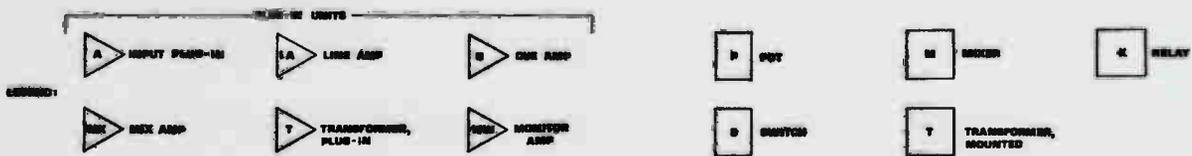
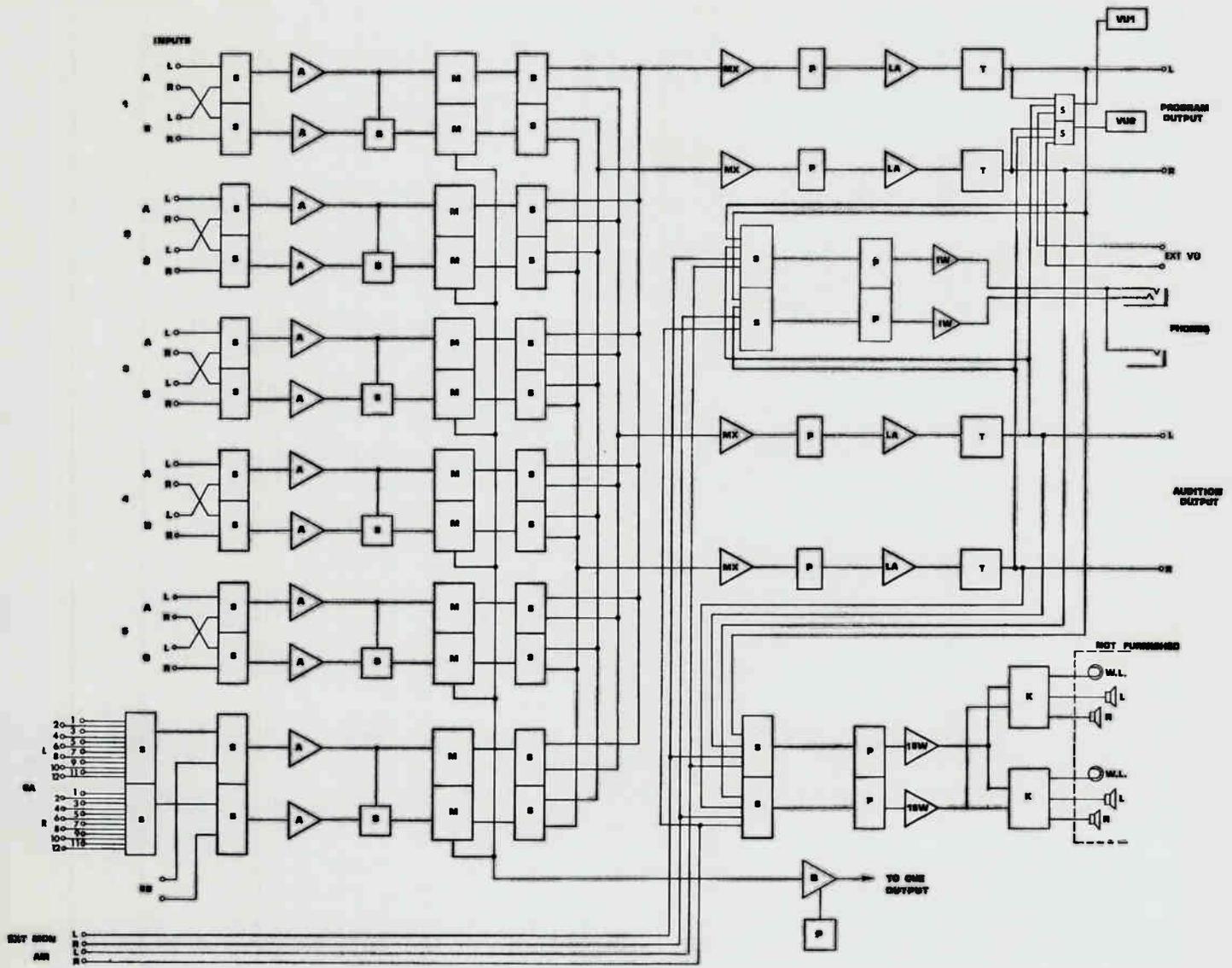
Program/audition or mono: +8 dBm nominal -- +24 dBm maximum
Monitor -- 15 watts RMS into 8 ohm load
Cue and headset -- 1 watt into 8 ohm load

Frequency Response:

Program/audition ± 1 dB 30 to 15K Hz
Monitor ± 1.5 dB 30 to 15K Hz

Distortion:

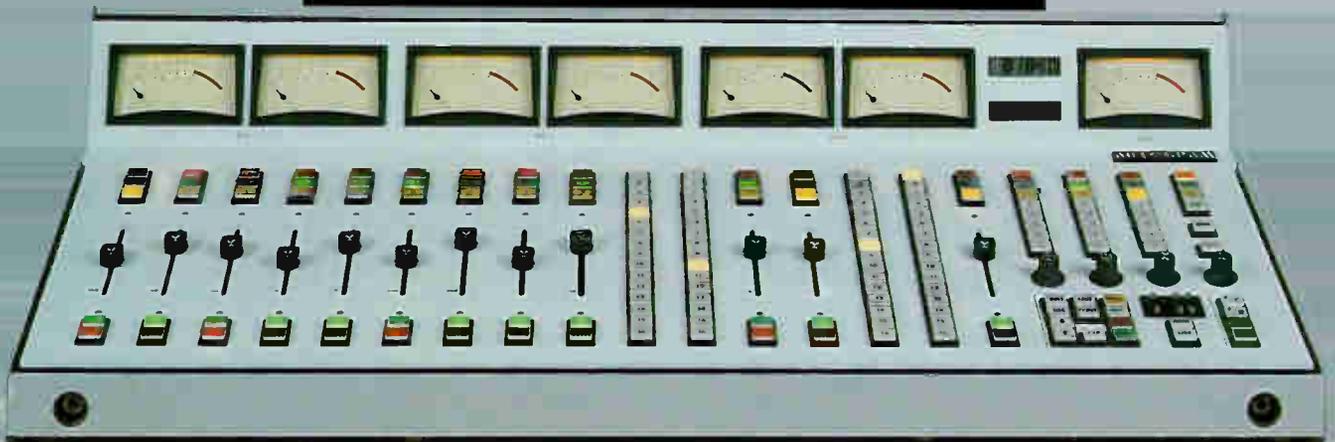
Program/audition less than 0.5% THD
Monitors less than 1.5% THD



BLOCK DIAGRAM
AS-6 AUDIO CONSOLE

Autogram's advanced
MicrogramSM
audio console
puts control of

all on-air operations
at your fingertips
or in a computer.



AUTOGRAM



FLEXIBLE, SINGLE POINT CONTROL FOR ALL ON-AIR OPERATIONS

Autogram's Microgram microprocessor controlled audio console is a powerful addition for any broadcast control room.

It's built to handle board functions with ease while signaling and mixing numerous prescheduled events simultaneously.

The Microgram console can handle three stereo audio buses simultaneously; or run two completely separated automation systems on AM and FM, and still leave a bus open for production; or allow one bus to call another bus for simulcasting and other special situations.

In fact, the Microgram console can perform just about any control room function you want it to: from handling your daily schedules; to joining and leaving local or network programming; to turning on or off a coffee pot and station lights.

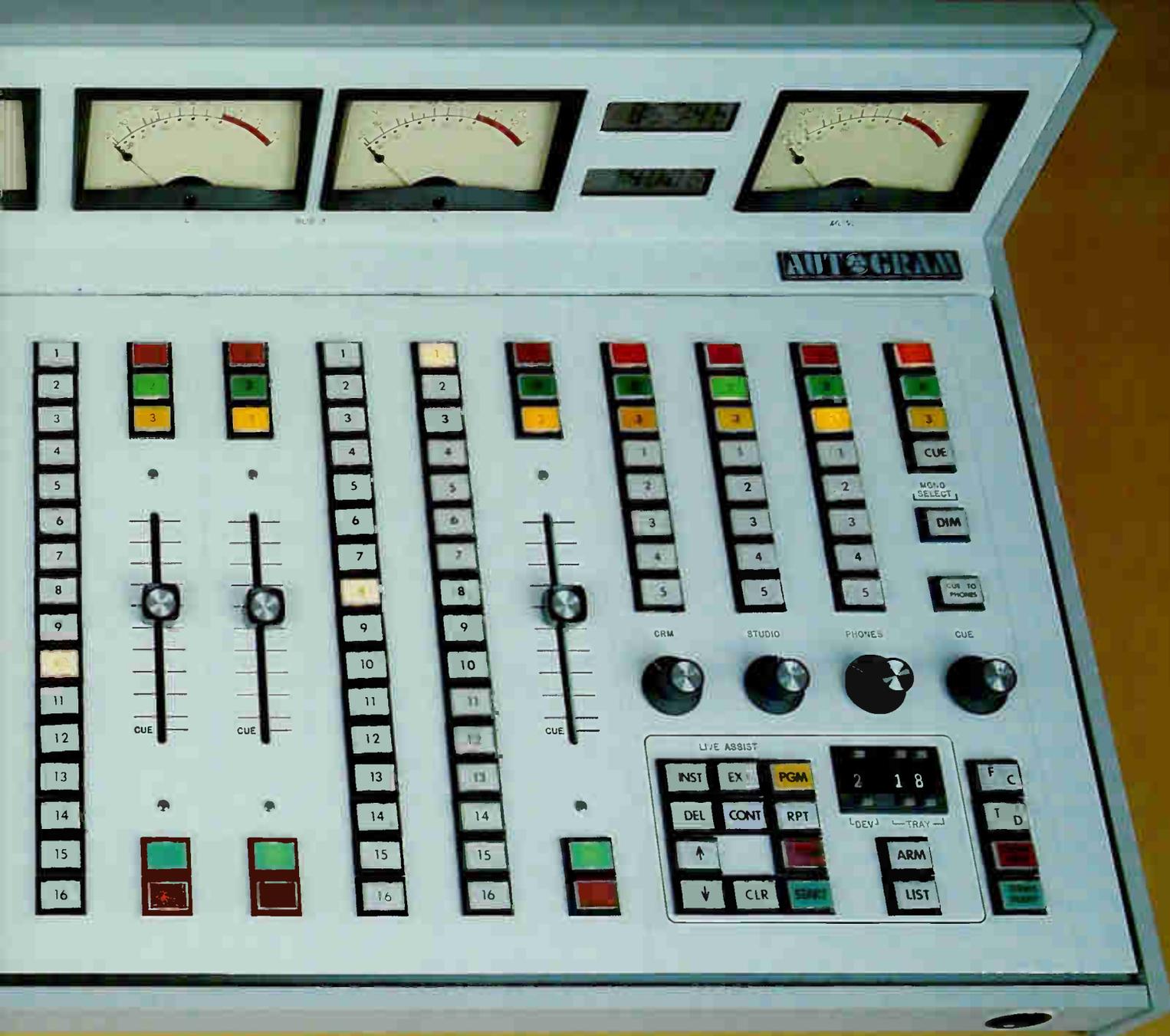
CONSOLE CONTROL PANEL

The Microgram has five front panel sections. The fifth section makes up the monitor panel. While the first four sections can consist of four single line or multi-line sections in any combination, the multi-line section consists of two faders. One is on the left, the other on the right, with two rows of buttons down the center. It works on the same principle as a television switcher; it always allows you to fade into the next source. All single line sections have loop thru connections, providing for external processing.

All inputs can be switched to one or all three stereo output buses in any combination; and in the Autogram tradition, a mono mix comes as a standard feature, to allow a mono mix down from any one of the three stereo buses. All bus lines are monitored on individual V.U. meters.

The Microgram monitor panel can select any one of three stereo buses plus five external sources, that are user assignable, for independent monitoring in the control room and the studio. Other standard features include: 12 hour clock, stop watch and thermometer.

The Microgram console comes with more than 790 steps of internal memory that can be pre-programmed in eight blocks. Each block consists of 99 steps; thus you can pre-program repetitive blocks that are used hourly or daily.



With the addition of a printer you can keep a clear language log as you proceed thru the broadcast day. Eight of the inputs may be multi-tray sources. Each multi tray source can be pre-armed with up to 79 trays per source.

COMPUTER INTERFACE

With the addition of a computer, you can run any two of the three stereo buses fully automated and independent of each other, allowing the remaining pots to be used for production.

Autogram's Multimation Division can supply custom software for broadcasters using satellite programming or other custom applications.

Multimation software from Autogram consists in part of fade up, fade down or crossfade functions; all user addressable as to the ratio desired for your particular sound.

Back fill logistics can be assigned to any channel allowing for real-time correction with fill.

Real-time corrects allow the program to be set to any step location in program memory desired.

External real-time flags are provided for starting network delay machines, turning on news room machines for network conference calls, or other operations.

Logging information can be routed to printers, disk storage or computer for future reference or billing purposes.

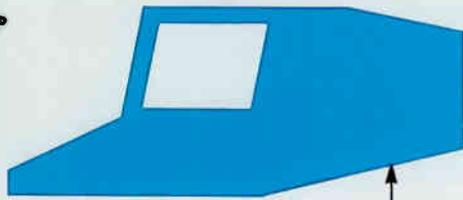
Current software is prepared for use with the Tandy Model 4 or 4P computer. For information on Microgram consoles or Multimation software, contact Autogram Corporation.

MICROGRAM AUTOMATION SYSTEM FEATURES

- Independent Automation of two Audio Buses from a single computer
- Edits can be done on either automation channel or a third program
- Split-screen display of automation programs and edit area
- Flexible diskette storage of programs and log data
- Log to one of two printers or to disk
- 16 English character identifier on each source for logger
- 4500 steps total for both automation channels and edit program
- Powerful steps eliminate need for large numbers of steps
- Dynamic memory allocation — no reserved fixed block sizes
- Reroute audio sources without changing programs
- Audio channels under automation control "inactive" to DJ
- Live assist and emergency break-in features

AUTOGRAM MULTIMATION SYSTEM

TANDY MODEL 4 or 4P
COMPUTER



COMM & LOG

PROGRAM DISK

LOG DISK

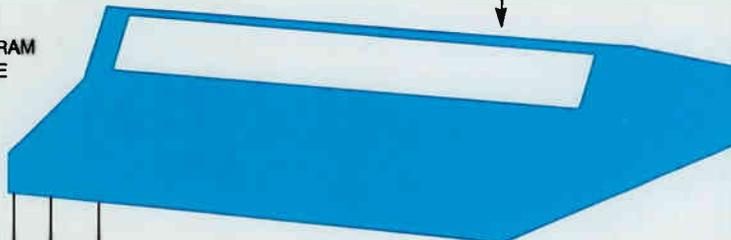
LOG DISK

RS 232 LOG

PRINTED LOG

PRINTED LOG

MICROGRAM
CONSOLE



8 INPUT FLAGS

DEAD AIR SENSOR FOR EACH BUS

8 OUTPUT FLAGS

LOG 1

LOG 2

COMM

MACHINE CONTROL

64 POSSIBLE SOURCES

CARTRIDGE MACHINE

SATELLITE PROGRAMS

REEL-TO-REEL

NETWORK FEEDS

UP TO 8 RANDOM-SELECT DEVICES

PRELIMINARY SPECIFICATIONS MICROGRAM AUDIO CONSOLE

INPUT:

Sources:

64 stereo inputs max

Impedances:

Microphone: 200 ohm

High level: 10k or 600 ohm
terminate

External Monitor: 10k

Levels:

Microphone: -65 to -50 dbm
(single input chassis only)

High level: -10 dbm to +10 dbm

External monitor: -10 dbm to +10
dbm

Noise:

-80 db at +18 dbm outputs

Power Source:

117 or 230 VAC 50-60 Hz single phase
power supply (external)

OUTPUT:

3 stereo buses

1 mono program

2 cue amplifiers

2 headphone amplifier

4 line output (feed external monitor
amplifiers)

Impedances:

Program and Monitor: 600 ohm

balanced or unbalanced

Headphone: 8 ohm unbalanced

Levels:

Program and Monitor: +8 dbm

nominal, +24 dbm max

Cue and Headphone: 1 watt into 8
ohm load

Frequency Response:

Program and Monitor: ± 0.5 db 30
to 15kHz.

Cue and Headphone: ± 1.5 db 30 to
15kHz.

Distortion

Program and Monitor: Less than
0.5% THD

Cue and Headphones: Less than 1.5%
THD

PROGRAMMING OPTIONS:

5 front panels: 5 control sections
max, including 1 monitor

Any combination of 4 single line or
multiline sections

Single line: 4 microphone or hi level
inputs

Multiline: 16 hi level inputs

Machine control for remote starts

RS 422 computer interface

Add external computer to automate
up to two stereo audio buses

Add external printers and accessories
for complete program logging

12-hour clock display

Stop watch display

DIMENSIONS:

11 in. above table (279.5mm)

33 in. deep (838.2mm)

43 in. wide (1092.2mm)

Requires 42.5 in. x 30¹/₁₆ in.
(1079.5 x 763.5mm)
cutout in table

All specifications are subject to change without notice.
Printed in USA 2M385/5939
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AUTOGRAM

AUTOGRAM
PRICE LIST

CONSOLES

As of 8-1-87

<u>AC-6</u> 6 Rotary Pots--Typical Stereo: Two stereo programs out; 1 mike preamp and balanced hi-level transformer inputs Typical Mono:* Two mono programs out; 1 mike preamp and balanced hi-level transformer inputs	\$5,495 \$4,844
<u>AC-8</u> 8 Rotary Pots--Typical Stereo: Two stereo programs out, 1 mono program out; 2 mike preamp, and balanced hi-level transformer inputs. Typical Mono:* Two mono programs out; 2 mike preamp and balanced hi-level transformer inputs.	\$6,830 \$6,073
<u>IC-10</u> 10 Rotary Pots--Typical Stereo: Two stereo programs out, 1 mono program out; 2 mike preamps, and balanced hi-level transformer inputs. Typical Mono:* Two mono programs out, 2 mike preamps, and balanced hi-level transformer inputs.	\$8,986 \$8,141
<u>LC-10</u> 10 Slide Pots--Typical Stereo: Two stereo programs out, 1 mono program out; 2 mike preamps, and balanced hi-level transformer inputs; Penny & Giles slide attenuators Typical Mono:* Two mono programs out, 2 mike preamps, and balanced hi-level transformer inputs; Penny & Giles slide attenuators; Schadow selector switches on stereo and mono.	\$9,404 \$8,556

*All consoles are wired as stereo. Mono consoles may be upgraded to stereo by adding appropriate plug-in modules. Front panels are engraved.

<u>R/TV-12</u> 12 Slide Pots--Typical Stereo/Mono--2 stereo programs, 1 mono program, 2 mix minus, 1 cue, 2 headphones, 2 line monitors out; 8 single inputs, 4 multiline inputs (4 inputs each), 1 mike preamp card (4 mike preamps), balanced line outputs, Penny & Giles slide attenuators, VCA controlled.	\$10,564
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<u>R/TV-20</u> 20 Slide Pots--Typical Stereo/Mono--2 stereo programs, 1 mono program, 2 mix minus, 1 cue, 2 headphones, 2 line monitors out; 18 single inputs, 2 multiline inputs (8 inputs each), 1 mike preamp card (4 mike preamps), balanced line outputs. Penny & Giles slide attenuators, VCA controlled.	\$12,620
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R/TV Options:

R/TV Live Assist Package Complete random sequencing of all console channels--remote control	\$2,995
Live Assist Panel Only To add another Live Assist operating position to above	\$1,095
All spare circuit cards	\$225
Production Center Log encoding and helpful timing functions	\$1,995

AUTOGRAM Price List page 2
As of 8-1-87

CLOCKS

AUROCLOCK--time, stop watch, date and temperature (high and low of the day and time each occurred) Model 100-C, Console-mounted; Model 100-D, stand-alone model. \$359

AUROCOUNT--Count-up and stop watch. Model 200-C, Console mounted; Model 200-D, stand-alone model. \$179

OTHER:

RP-16 RELAY PANEL--self-contained 24 V power - 16 relays to interface "open collector outputs" to outside world \$395

T-8 TEST OSCILLATOR--multi tone oscillator unit \$498

****** ANNOUNCING******

THE

AUTOGRAM RP-16 RELAY PANEL

The RP-16 RELAY PANEL is now available as an independent product. The 16 relay unit can be used with the R/TV series consoles to provide isolated contacts for devices which cannot be operated by an open-collector to ground type driver.

The RP-16 RELAY PANEL is designed to be used for any applications needing a relay interface. The unit consists of a regulated 24 volt D.C. power supply and 16 4PDT plug in relays connected to standard barrier type terminal strips. The RP-16 is housed in a 3-1/2 inch rack mountable chassis. The 24 volt supply voltage is available on the terminal strip for external use (500 ma maximum) for lamps and other circuits. All relays are operated against ground making them compatible with "open collector type solid state drivers". Two sets of contacts are available on each relay:

- A. One "C" type contact with a common armature and a normally closed (N.C.) and normally open (N.O.) contact.
- B. One "A" type contact normally open (N.O.)

Each contact type is "doubled" using 2 sets of actual relay contacts. This gives each circuit a general use rating of 3 A with 110 VAC, 1.6 A with 220 VAC and 3 A with 30 VDC. The resistive rating of each output is 6 amps.

The relay panel power supply is a standard full wave bridge type using an integrated circuit voltage regulator (type 7824).

The power supply is designed for 120 VAC or 240 VAC 50/60 Hz. operation and is fused with a 1 amp/120v or .5 amp/240v AC line fuse.

The AUTOGRAM RP-16 RELAY PANEL is priced at \$395.00.

Available from AUTOGRAM CORPORATION

1500 CAPITAL AVENUE * P.O. BOX 456 * PLANO, TEXAS 75074 * (214) 424-8585



"Live Assist" Package For R/TV Series Radio & TV Stereo Consoles

Autogram's Live Assist Package consists of one microprocessor board, one control panel and one interface board with cable.

The Live Assist Package allows automatic operation of one bus while live work is being done on the other bus. It also enables the operator to program up to 32 sequential steps per program on each of four programs: a total of 128 steps.

The system offers complete and random selection of all console channels. It also allows remote control of each channel on the console using a small eight-wire cable.

The Live Assist Package is an option for use with Autogram's R/TV Series Stereo Radio and TV audio consoles: the R/TV-12 offers 24 stereo inputs; the R/TV-20 offers 34 stereo inputs.

The Live Assist Panel plugs into the R/TV Series Console and offers full remote control plus four live assist programs. Each program contains up to 32 steps.

With live assist, the operator can:

- Start, stop and select audio bus for each console channel via remote control
- Pre-program the start time and program sequence with bus selection for each channel
- Activate and set silence sense timing for program and audition buses
- Observe live assist status at all times
- Monitor sources to transfer on EOM or silence-sense
- Use multiple live assist panels for tandem remote control
- Override live assist at any time
- Obtain limited real-time up-dates for program format control
- Repeat or chain live assist programs for longer walk-away time

The Microprocessor Board plugs into the console's card cage. It decodes logging from tapes encoded by the Autogram Production Center and collects and dumps channel usage data to an external printer.

The microprocessor board has:

- A parallel printer port
- An RS232C port for communicating to either an external printer or a computer for optional computer control

Note: the external printer or computer and related interconnect cables are not included in the live assist package.

All specifications are subject to change without notice.
Printed in USA 1M987
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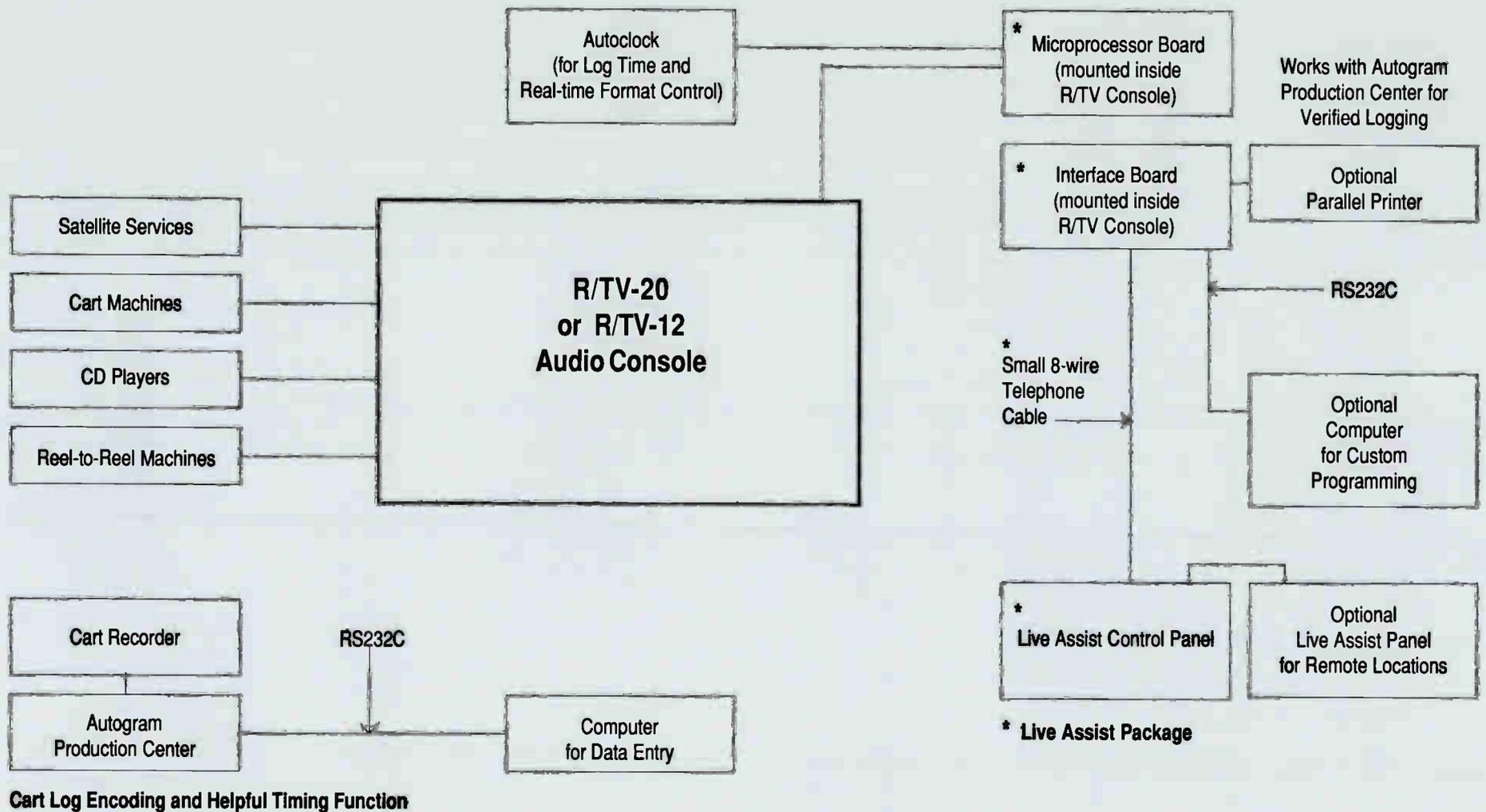
AUTOGRAM

CORPORATION

PO Box 456, 1500 Capital Avenue

Plano, Texas 75074

(214) 424-8585



Autogram R/TV Live Assist System

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****** ANNOUNCING ******

THE

AUTOGRAM PRODUCTION CENTER

Now available from AUTOGRAM CORPORATION of Plano, Texas is the PRODUCTION CENTER. The Microprocessor controlled unit connects through an RS232C port to a user supplied computer to provide log encoding and helpful timing functions for use in a production studio. The MENU driven software guides the operator quickly through the recording procedure. When used with the R/TV series consoles with the LIVE ASSIST option, a true log of all cartridge tapes played will be printed on an external printer. Features of the PRODUCTION CENTER include:

- * HELP FILE TO AID IN USE.
- * COMPUTER ASSISTED SET UP FOR EASY TEST AND ADJUSTMENT.
- * STORES EIGHT PRE SET TIMING SEQUENCES.
- * AUTOMATICALLY CONTROLS START, EOM, TERTIARY, AND A MISC. OUTPUT.
- * ANALYZE A CART AND GRAPHICALLY DISPLAYS CONTROL TIMING.
- * CONNECT TO EXTERNAL AUTOCLOCK SYNC. BUS FOR DATE-TIME STAMP ON LOG.

With the AUTOGRAM PRODUCTION CENTER connected to your production cart recorder, all the guesswork for proper tone insertion is gone. Position of the proper tones as well as tone length can be preset. Logging using the AUTOCODEII format (300 baud, ASCII fsk) gives you a printout of just what was actually played on the air. Hookup is easy using miniature pluggable screw type connectors.

THE AUTOGRAM PRODUCTION CENTER

<<< Priced at \$1995.00>>>

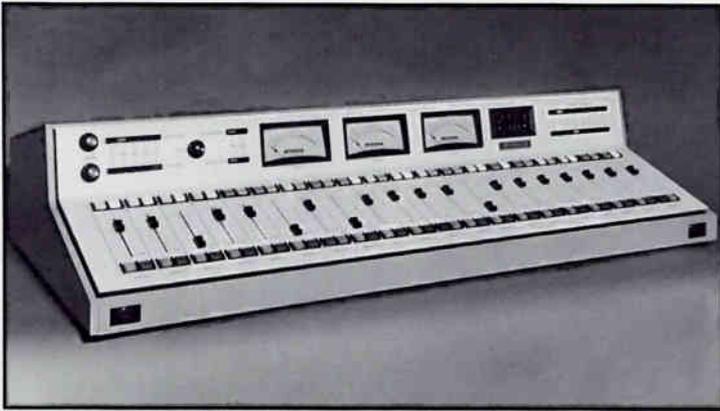
* Must be used with R/TV series consoles if log printout is desired. Printer and cable not included.

Available from AUTOGRAM CORPORATION

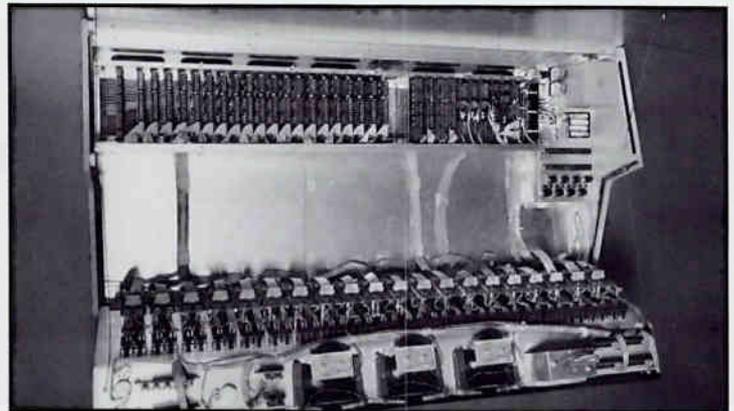
1500 CAPITAL AVENUE * P.O. BOX 456 * PLANO, TEXAS 75074 * (214) 424-8585

R/TV-20 Stereo Audio Console

- Stereo Radio
- Stereo TV



R/TV-20, front view



R/TV-20, interior view

Features

- 18 Dedicated pots
- 2 Pots with 8 inputs each
- VCA level control
- Electronic switching
- No audio transformers
- Penny and Giles linear conductive plastic pots
- Shadow selector switches
- Engraved front panel
- Pluggable miniature terminal strips
- Up to eight patchable microphone preamplifiers
- Each channel remotely controllable
- Easy input level selection
- Optional interface card for logging to printer plus interfacing to Live Assist or Computer
- Optional Autoclock or Autocount

Specifications

Input Characteristics

Sources:

- 34 stereo inputs
- 4 or 8 Microphone inputs

Impedances:

- Microphone, 150 ohm
- High level, 20 k ohm bridge or 600 ohm terminate
- External monitor, 20 k or 600 ohm

Levels:

- Microphone, -65 to -50 dBm
- High level, -10 to +10 dBm
- External monitor, -10 to +10 dBm

SNR:

- Programs/Monitor, better than -90 dB at +18 dBm out
- Headphone/Cue, better than -80 dB at 2 watts

Power Source:

- 117 or 230 volts ac, 50 - 60 Hz

Mounting & Dimensions:

- Table top with bottom or back cable entry
- Height: 10 inches (25.4 cm)
- Depth: 21.75 inches (55.25 cm)
- Width: 44 inches (118 cm)

Output Characteristics

Outputs:

- 1 Stereo Program
- 1 Stereo Audition
- 2 Mix Minus
- 1 Mono
- 2 Line Monitor
- 2 Headphones
- 1 Cue

Impedances:

- Programs/Monitor, 600 ohm balanced or unbalanced
- Phone/Cue, 2 watt at 8 ohm

Levels:

- Programs/Monitor, +8 dBm nominal +24 dBm maximum
- Headphone/Cue 2 watt at 8 ohm

Frequency Response:

- Programs/Monitor, ± 0.1 dB 20 to 20 kHz
- Headphone/Cue, ± 0.5 dB 20 to 20 kHz

Distortion:

- Programs/Monitor, less than .05% THD and IMD
- Headphone/Cue, less than .05% THD and IMD

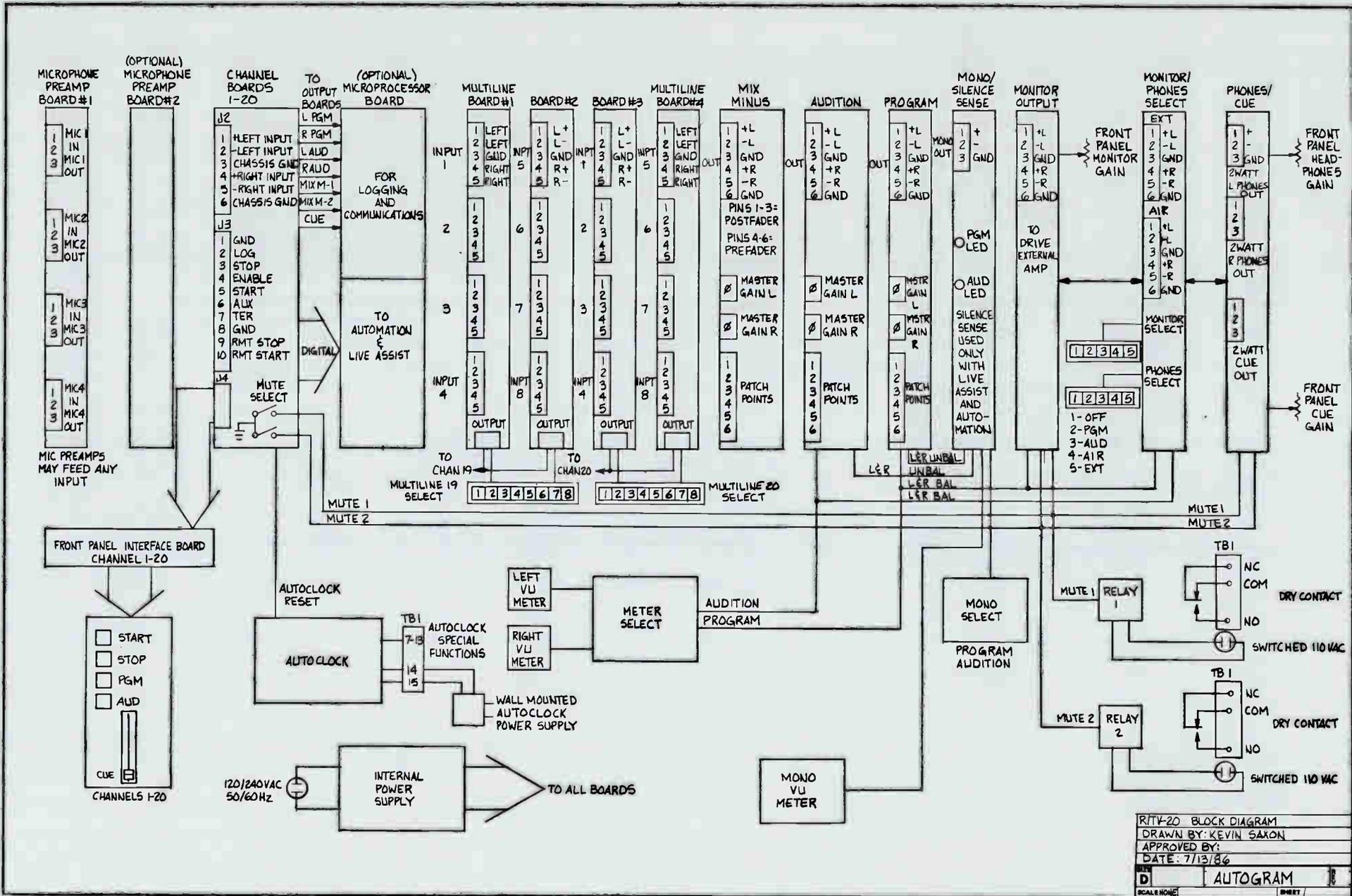
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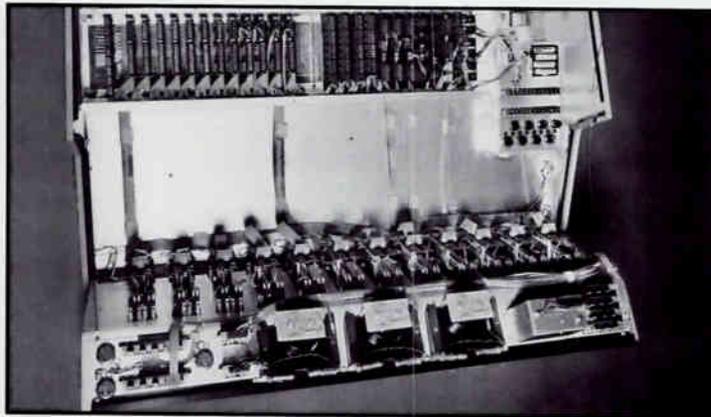


R/TV-12 Stereo Audio Console

- Stereo Radio
- Stereo TV



R/TV-12, front view



R/TV-12, interior view

Features

- 8 Dedicated pots
- 4 Pots with 4 inputs each
- VCA level control
- Electronic switching
- No audio transformers
- Penny and Giles linear conductive plastic pots
- Shadow selector switches
- Engraved front panel
- Pluggable miniature terminal strips
- Up to eight patchable microphone preamplifiers
- Each channel remotely controllable
- Easy input level selection
- Optional interface card for logging to printer plus interfacing to Live Assist or Computer
- Optional Autoclock or Autocount

Specifications

Input Characteristics

Sources:

- 24 stereo inputs
- 4 or 8 Microphone inputs

Impedances:

- Microphone, 150 ohm
- High level, 20 k ohm bridge or 600 ohm terminate
- External monitor, 20 k or 600 ohm

Levels:

- Microphone, -65 to -50 dBm
- High level, -10 to +10 dBm
- External monitor, -10 to +10 dBm

SNR:

- Programs/Monitor, better than -90 dB at +18 dBm out
- Headphone/Cue, better than -80 dB at 2 watts

Power Source:

- 117 or 230 volt ac, 50 - 60 Hz

Mounting & Dimensions:

- Table top with bottom or back cable entry
- Height: 10 inches (25.4 cm)
- Depth: 21.75 inches (55.25 cm)
- Width: 37.5 inches (95.25 cm)

Output Characteristics

Outputs:

- 1 Stereo Program
- 1 Stereo Audition
- 2 Mix Minus
- 1 Mono
- 2 Line Monitor
- 2 Headphones
- 1 Cue

Impedances:

- Programs/Monitor, 600 ohm balanced or unbalanced
- Phone/Cue, 2 watt at 8 ohm

Levels:

- Programs/Monitor, +8 dBm nominal +24 dBm maximum
- Headphone/Cue 2 watt at 8 ohm

Frequency Response:

- Programs/Monitor, ± 0.1 dB 20 to 20 kHz
- Headphone/Cue, ± 0.5 dB 20 to 20 kHz

Distortion:

- Programs/Monitor, less than .05% THD and IMD
- Headphone/Cue, less than .05% THD and IMD

All specifications subject to change without notice.
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AUTOGRAM
CORPORATION
PO Box 456, 1500 Capital Avenue
Plano, Texas 75074
(214) 424-8585

AUTOGRAM

IC-10 Mono/Stereo Audio Console

SPECIFICATIONS

INPUT CHARACTERISTICS:

Sources:

- 28 stereo inputs — customer's option as to use by plug-in modules
- 1 high level cassette

Impedances:

- Microphone, 200 or 50 ohms
- High level 10K ohm bridge or 600 ohm terminate
- External monitor 10K ohm

Levels:

- Microphone -65 to -50 dBm
- High level -10 dBm to +10 dBm
- External monitor -10 dBm to +10 dBm

Noise:

- Program/audition -120 dBm
- Monitor -110 dBm

Power Source:

- 117 or 230 Vac 50-60 Hz single phase

OUTPUT CHARACTERISTICS:

Outputs (Depends on modules used)

- 1 Stereo program
- 1 Stereo audition
- 1 Monophonic program
- 2 Monitor amplifiers
- 2 Headphone amplifiers
- 1 Cue amplifier

Impedances:

- Program/audition 600 ohm balanced or unbalanced — 10K ohm balanced or unbalanced
- Monitor 4-16 ohm unbalanced
- Cue 4-16 ohm unbalanced

Levels:

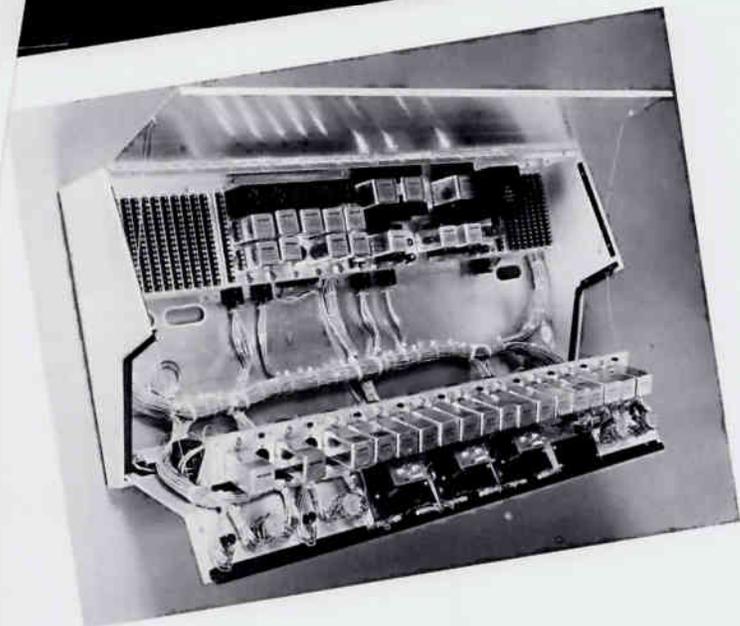
- Program/audition or mono: +8 dBm nominal — +24 dBm maximum
- Monitor — 15 watts RMS into 8 ohm load
- Cue and headset — 1 watt into 8 ohm load

Frequency Response:

- Program/audition ± 1 dB 30 to 15K Hz
- Monitor ± 1.5 dB 30 to 15K Hz

Distortion:

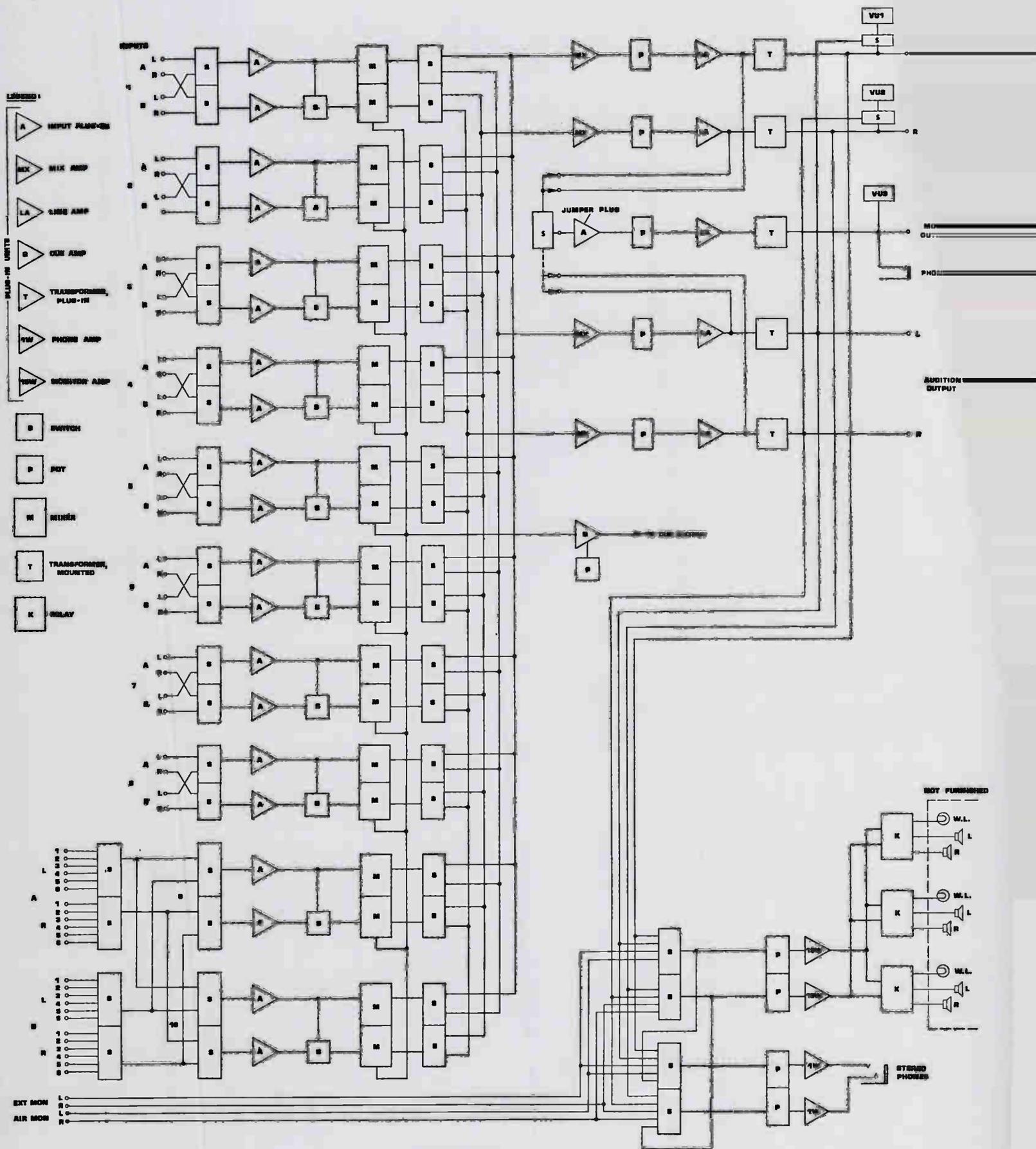
- Program/audition less than 0.5% THD
- Monitors less than 1.5% THD



MOUNTING & DIMENSIONS:

- Table top with bottom or back cable entry
- Height: 10 in.; 25.4 cm.
- Depth: 20 in.; 50.8 cm.
- Width: 44 in.; 118 cm.

AUTOGRAM CORPORATION
PO Box 456, 631 J. Place
Plano, Texas 75074
214-424-8585



BLOCK DIAGRAM
 4-16 AUDIO CONSOLE

R/TV-12 and R/TV-20 ORDER INFORMATION

 R/TV-12 Typical:

2 stereo programs, 1 mono program, 2 mix-minus, 1 cue amp
(cue speaker external, not furnished) 2 headphone amps. 2 line
monitor (external power amps required, not furnished) internal
power supply, 4 mike preamps on card 12 slide P & G pots, 24
stereo inputs

\$10,564 _____

 R/TV-20 Typical:

2 stereo programs, 1 mono program, 2 mix-minus, 1 cue amp
(cue speaker external, not furnished) 2 headphone amps. 2 line
monitor (external power amps required, not furnished) internal
power supply, 4 mike preamps on card. 20 slide P & G pots, 34
stereo inputs

\$12,620 _____

All Spare Boards:

<u> </u> mike preamp (4 per board	<u> </u> program output*	<u> </u> mono/silence sense
<u> </u> channel	<u> </u> audition output*	<u> </u> phone cue output
<u> </u> multiline	<u> </u> mix minus output*	
<u> </u> monitor/phones select	<u> </u> monitor output.	

each \$225 _____

*Identical Audio Output

Specify Color Slider Knobs:

R/TV-12	Color	R/TV-20
_____	Red	_____
_____	Blue	_____
_____	White	_____
_____	Black	_____
_____	Yellow	_____
_____	Orange	_____
_____	Gray	_____
_____	Green	_____
12	TOTAL	20

Black knobs are supplied if
no color specified.

No extra charge for color knob.

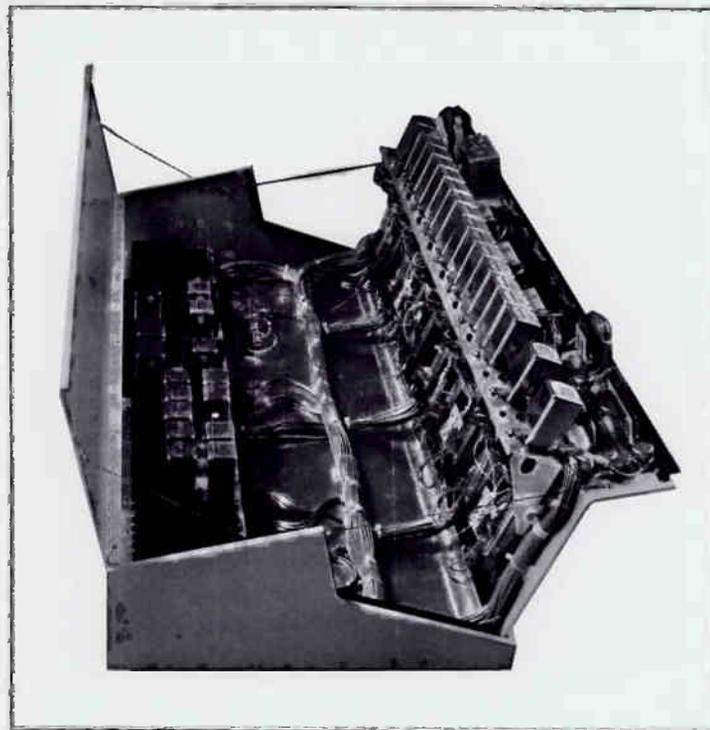
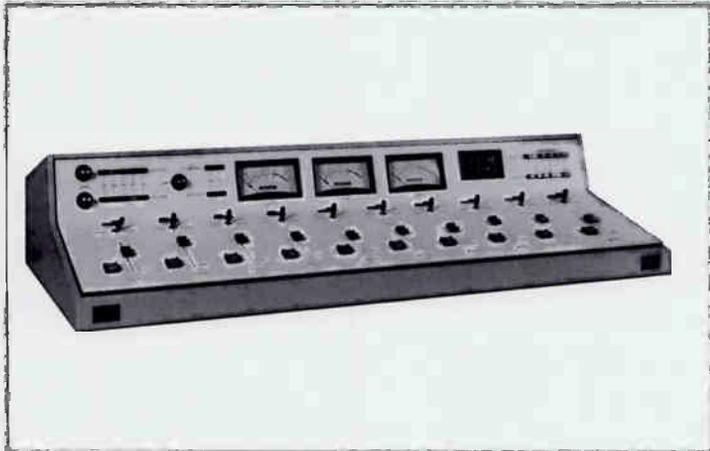
<u> </u> Extra color slider knob	\$3.00 _____
<u> </u> Custom button engraving - up to two lines, 5 characters per line	\$4.90 _____
<u> </u> Spare P & G slider pot assembly	\$74.50 _____
<u> </u> Spare push button switch assembly	\$12.80 _____

Accessories:

<u> </u> Autoclock 100 C	\$359 _____
<u> </u> Autocount 200 C	\$179 _____
<u> </u> Live Assist Package	\$2,995 _____
<u> </u> RP 16 Relay Panel - Isolated circuits to outside world	\$395 _____

TOTAL LIST PRICE \$ _____

LC-10 Mono/Stereo Audio Console



SPECIFICATIONS

Input Characteristics:

Sources:

28 stereo inputs — customer's option as to use by plug-in modules
1 high level cassette

Impedances:

Microphone, 200 or 50 ohms
High level 10k ohm bridge or 600 ohm terminate
External monitor, 10k ohm

Levels:

Microphone, -65 to -50 dBm
High level -10 dBm to +10 dBm
External monitor, -10 dBm to +10 dBm

Noise:

Program/audition, -120 dBm
Monitor, -110 dBm

Power Source:

117 or 230 volts ac, 50-60 Hz, single phase

OUTPUT CHARACTERISTICS:

Outputs (Depends on modules used)

1 Stereo program
1 Stereo audition
1 Monophonic program
2 Monitor amplifiers
2 Headphone amplifiers
1 Cue amplifier

Impedances:

Program/audition, 600 ohm balanced or unbalanced
Monitor, 4-16 ohm unbalanced
Cue, 4-16 ohm unbalanced

Levels:

Program/audition or mono, +8 dBm nominal; +24 dBm maximum
Monitor, 15 watts RMS into 8 ohm load
Cue and headset, 1 watt into 8 ohm load

Frequency Response:

Program/audition, ± 1 dB 30 to 15 kHz
Monitor, ± 1.5 dB 30 to 15 kHz

Distortion:

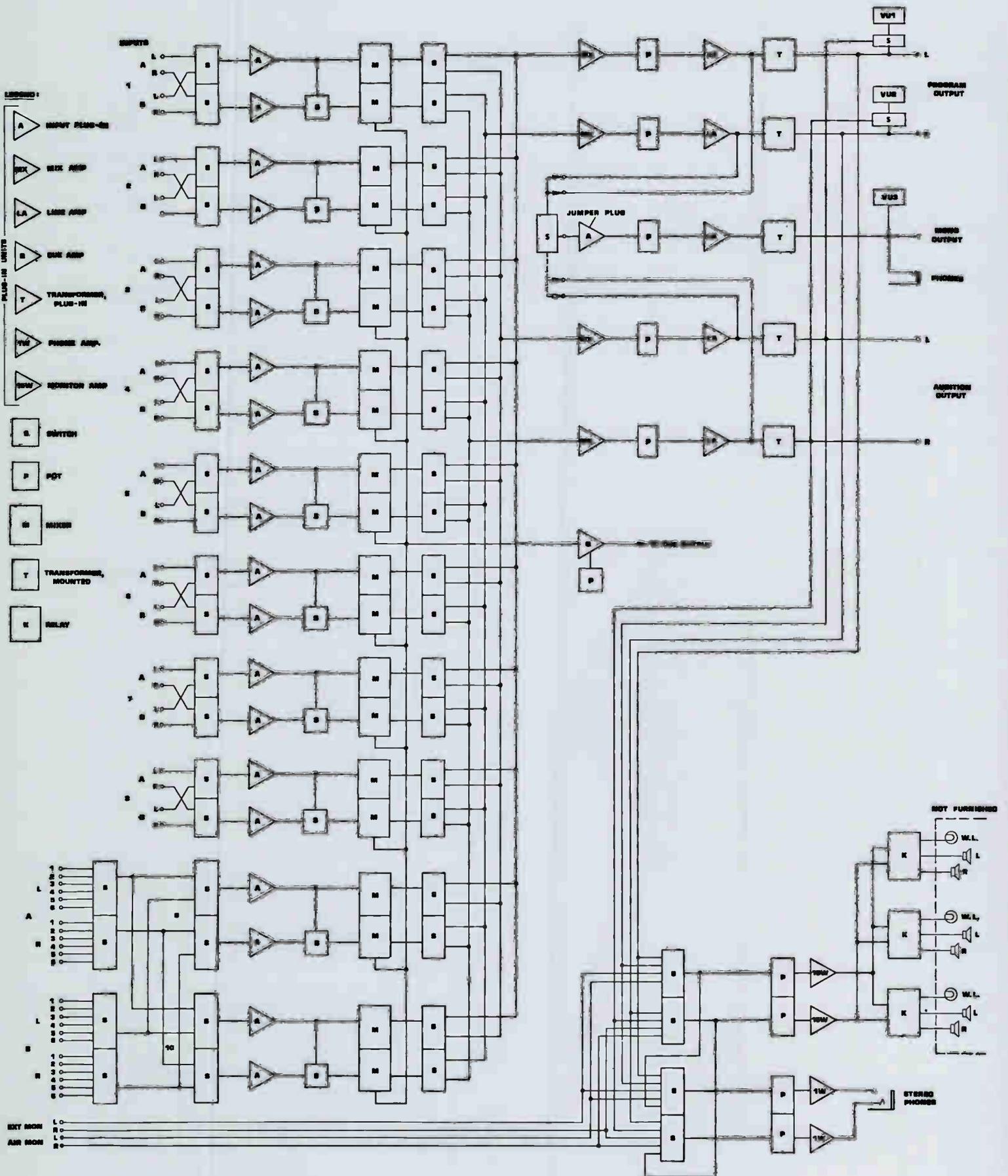
Program/audition, less than 0.5% THB
Monitors, less than 1.5% THD

MOUNTING & DIMENSIONS:

Table top with bottom or back cable entry
Height: 10 inches (25.4 cm)
Depth: 21.75 inches (55.25 cm)
Width: 44 inches (118 cm)

AUTOGRAM
CORPORATION

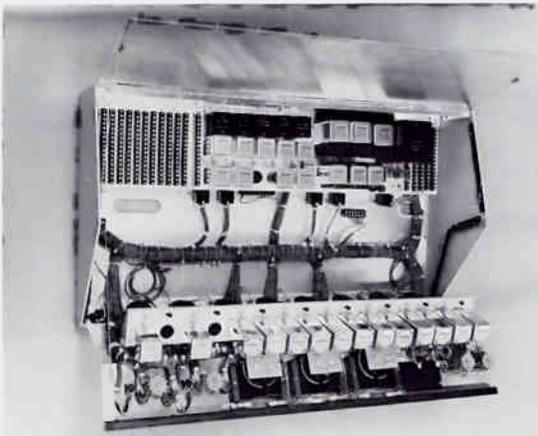
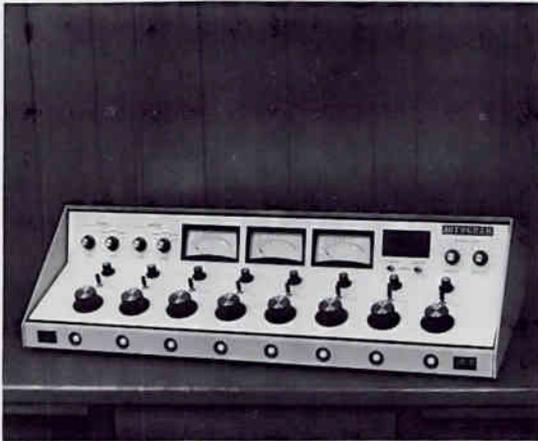
PO Box 456, 1500 Capital Avenue
Plano, Texas 75074
214-424-8585



**BLOCK DIAGRAM
LC-10 AUDIO CONSOLE**

AUTOGRAM

AC-8 Mono/Stereo Audio Console



MOUNTING & DIMENSIONS:

Table top with bottom or back cable entry
Height: 10 in.; 25.4 cm.
Depth: 20 in.; 50.8 cm.
Width: 37 $\frac{1}{4}$ in.; 94.6 cm.

AUTOGRAM CORPORATION
PO Box 456, 631 J. Place
Plano, Texas 75074
214-424-8585

SPECIFICATIONS

INPUT CHARACTERISTICS:

Sources:

26 stereo inputs – customer's option as to use by plug-in modules
1 high level cassette

Impedances:

Microphone, 200 or 50 ohms
High level 10K ohm bridge or 600 ohm terminate
External monitor 10K ohm

Levels:

Microphone -65 to -50 dBm
High level -10 dBm to +10 dBm
External monitor - 10 dBm to +10 dBm

Noise:

Program/audition -120 dBm
Monitor -110 dBm

Power Source:

117 or 230 Vac 50-60 Hz single phase

OUTPUT CHARACTERISTICS:

Outputs (Depends on modules used)

1 Stereo program
1 Stereo audition
1 Monophonic program
2 Monitor amplifiers
2 Headphone amplifiers
1 Cue amplifier

Impedances:

Program/audition 600 ohm balanced or unbalanced –
10K ohm balanced or unbalanced
Monitor 4-16 ohm unbalanced
Cue 4-16 ohm unbalanced

Levels:

Program/audition or mono: +8 dBm nominal – +24 dBm maximum
Monitor – 15 watts RMS into 8 ohm load
Cue and headset – 1 watt into 8 ohm load

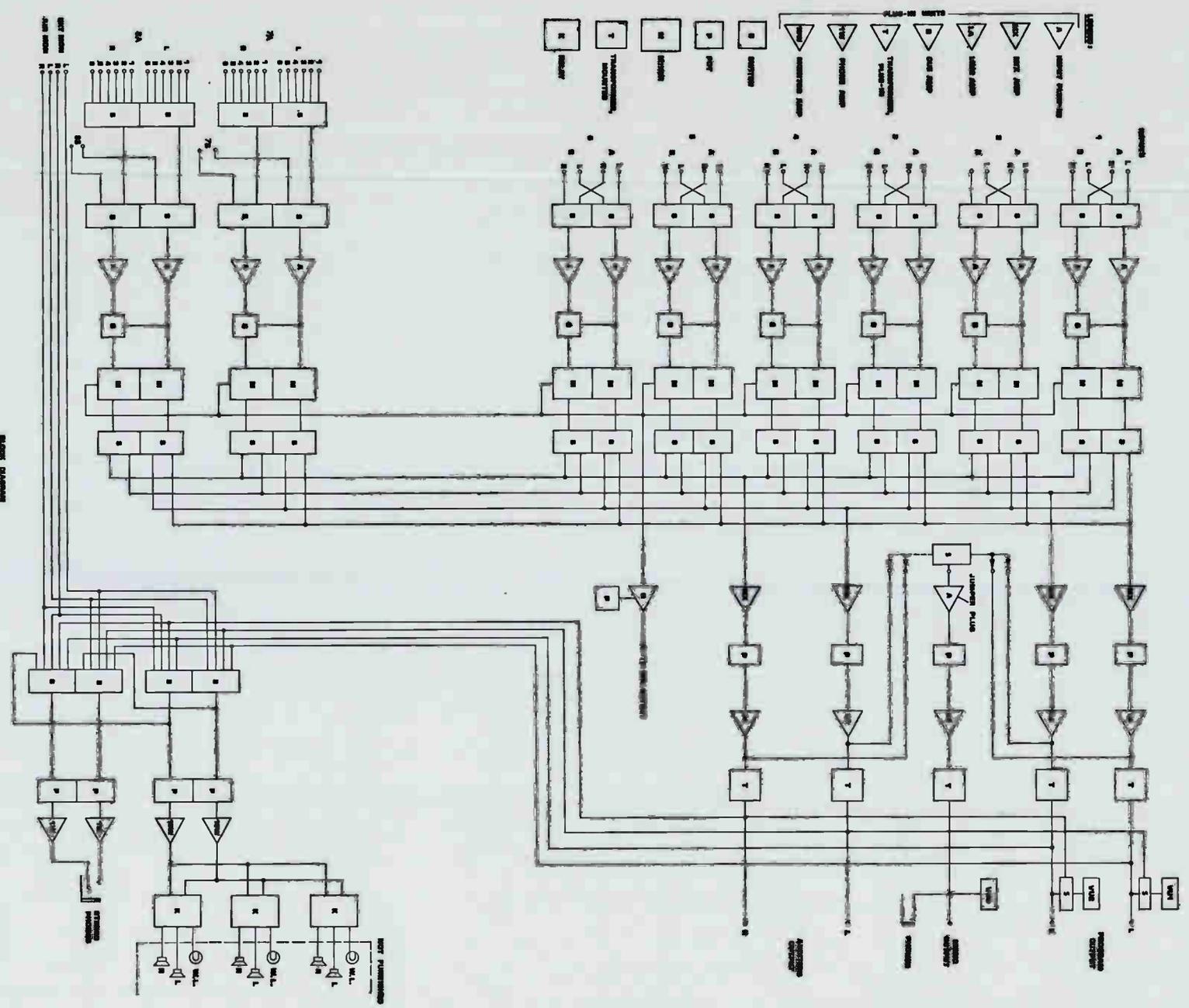
Frequency Response:

Program/audition ± 1 dB 30 to 15K Hz
Monitor ± 1.5 dB 30 to 15K Hz

Distortion:

Program/audition less than 0.5% THB
Monitors less than 1.5% THD

Block Diagram
AF-3 Alarm Controller



AF-3 Controller

AF-3 Controller

AF-3 Controller

AF-3 Controller

AF-3 Controller