

# AUDIOARTS ENGINEERING

## R-55 RADIO CONSOLE



ENGINEERED BY THE WHEATSTONE DESIGN TEAM, this new analog radio on-air console from Audioarts is a fully modular, straightforward design aimed at stations with tight budgets but no desire to compromise on audio standards.

The R-55 delivers high performance audio with all the basic features you need for 24/7 on-air use: 12 input faders plus one caller, control room and studio monitoring, stereo Program and Audition busses (plus two mono outputs), opto-isolated mic and machine logic, built-in timer, talkback, cue and headphone functions. Two VU meter pairs (Program and Switched) keep clear track of level settings.

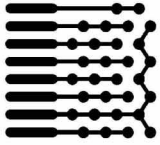
This console has been designed for EASY installation and maintenance: a tabletop mount board with flip-up meterbridge for direct access to I/O connectors (DB-25 multipin) and logic programming dipswitches, it has connectorized faders and ON/OFF switches, gold contact bus connectors, electronic switching, and solid state illumination—the R-55 is a rugged performer well suited for day-in and day-out operation.

IF YOU'RE LOOKING TO UPGRADE, or just shopping for a new basic on-air mixer from a company you can trust, check out the R-55—the console both engineers and accountants can agree on!

 **AUDIOARTS® ENGINEERING**

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# AUDIOARTS<sup>®</sup> ENGINEERING

## R-55 On-Air Radio Console

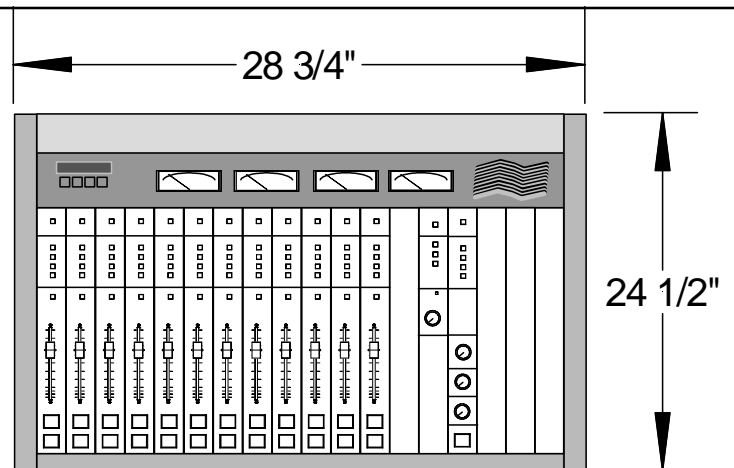
- Modular Design
- Two Stereo Program Busses, Two Mono Busses
- Can Support Telephone Caller Input with optional Simplephone Input Module
- A/B Inputs
- Opto-Isolated Logic Control With Built-In Machine Interface
- Low Profile Countertop installation
- Rackmount Power Supply
- Built-In Cue Speaker With Amplifier And External Cue Line Output
- All Switches LED Illuminated

### Standard Configuration:

Console Frame is configured with 1 Microphone Preamp Card with 4 Preamps (Fitted under meterbridge), 12 Stereo Line Input Modules, Output Module, and Monitor Module. Frame can accept 1 additional input module (Stereo Line Input or Phone Module) plus 3 unpowered module positions for optional Line Selector or Tape Remote Modules  
 4 Meters (One Pair dedicated to Program Output, One Pair Switchable)  
 Built In Cue Speaker, Timer.

### Options:

- Simplephone Module
- 6 – Input Stereo Line Selector Module
- Full Function Tape Remote Modules
- Start / Stop Tape Remote Modules
- Dual Failsafe Power Supply System
- Copy Stand



## PERFORMANCE SPECIFICATIONS:

### FREQUENCY RESPONSE

Line, 20Hz -.2dB	
Line, 20KHz	-.1dB
Mic, 20Hz	-.2dB
Mic, 20KHz	-.1dB

### DYNAMIC RANGE

Line, unity gain	113dB
Mic, 54dB gain	100dB

### S/N RATIO (ref +8dBu)

Line	93dB
Mic, -40dBu	84dB

### NOISE

Mic EIN	-128dBu
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### THD+N (20Hz-20KHz)

Line, +16dBu	0.002%
Mic, +16dBu	0.004%

### IMD (SMPTE)

Line, +24dBu	0.004%
Mic, +24dBu	0.005%

### DIM

Line, +24dBu	0.002%
Mic, +24dBu	0.004%

### SLEW RATE

	20V/μSEC
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### MAXIMUM INPUT

Line	+28dBu
Mic	-6dBu

### MAXIMUM OUTPUT

Line	+28dBu
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### HEADROOM

above +4dB	24dB
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### BUS CROSSTALK

1KHz	-100dB
20KHz	-80dB

### STEREO SEPARATION

1KHz	-75dB
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### OFF ISOLATION

1KHz	-115dB
20KHz	-95dB

### MAXIMUM GAIN

Line	26dB
Mic	85dB

### SQUARE WAVE RESPONSE

ringing	0
overshoot	0

### DIMENSIONS

Width	28 3/4"
Depth	24 1/2"
Height (rear)	8"
Height (front)	3"