

STRAIGHTSHOT!



THE R-55E has **AUDIOARTS ENGINEERING'S** outstanding quality of design and construction, and of course the industry's BEST SUPPORT. What's more, it will install in hours, not days—keeping integration costs in check.

Naturally, the R-55E has the features and specifications Audioarts is famous for. TAKE ADVANTAGE OF AUDIOARTS ENGINEERING EXPERIENCE AND REPUTATION!

 **AUDIOARTS ENGINEERING**

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Hit the Ground *RUNNING* with *Purely Functional Controls*



PLENTY of Inputs in a Straightforward, Easy-to-Use Layout

WE'VE DESIGNED THE AUDIOARTS ENGINEERING R-55E ANALOG RADIO CONSOLE TO GIVE YOU THE FEATURES STATION OPERATORS WANT THE MOST: two stereo program busses *and* two mono busses—one pre and one post-fader (perfect for backfeeds or on-the-fly mix-minus), plus an optional telephone

input using Wheatstone's exclusive Bus-Minus® circuitry, which automatically generates mix-minus caller feeds with the simple push of the module's bus assignment switch (support available for up to two incoming callers).

Both control room and studio monitoring (with talkback) are provided, and both pre and post studio and headphone level pot monitor feeds. You can even choose a second monitor module for studio two/headphone two (and three) output feeds, giving you plenty of mon-

itoring flexibility (source selection also includes two external input feeds).

MAINFRAMES (countertop mount) are available in eight, twelve or eighteen input channel sizes. All switching is electronic (and all switches are LED illuminated) so you can count on the ultimate in reliability.

Input

I/O

LOCAL OFF
TIMER RSTRT
MUTE1
MUTE2
TALKBACK

L
TRIM
R

SL-55E

SOURCE

A/B
B

ASSIGN

PGM
AUD
MOND
PRE

CUE

0
5
10
15
20
30
40
50

Red button
Yellow button

Phone*

I/O

TIMER RSTRT
MUTE 1
MUTE 2

CALLER

SPN-55E

ASSIGN

PGM
AUD
MOND
PRE

CUE

CALLER

0
5
10
15
20
30
40
50

Red button
Yellow button

Output

A I/O B

L
PGM
R

L
AUD
R

MOND
PRE

DM-55E

EXTERNAL

1

SWITCHED
METER
SOURCE
SELECT

PGM
AUD
MOND / PRE

CUE ON

4 5 6 7
3 2 1 0 10 8 9

CUE

TIMER CONTROL

AUTO START

START STOP

RESET

HOLD

CR/Studio

A I/O B

CR CUE LT
CR CUE RT
HDPN CU
CR MUTE
STU MUTE
STU DIM LT
STU DIM RT

TB

EXTERNAL

1
2

MONITOR
SOURCE

PGM
AUD
MOND
PRE

4 5 6 7
3 2 1 0 10 8 9

STUDIO

4 5 6 7
3 2 1 0 10 8 9

HDPN

4 5 6 7
3 2 1 0 10 8 9

CR

TB

Studio 2*

A I/O B

HDPN 3 CUE LT
HDPN 3 CUE RT
HDPN 2 CUE
HDPN 2 MUTE
STU 2 MUTE
STU 2 DIM LT
STU 2 DIM RT

TB 2

EXTERNAL

1
2

MONITOR
SOURCE

PGM
AUD
MOND
PRE

4 5 6 7
3 2 1 0 10 8 9

STUDIO 2

4 5 6 7
3 2 1 0 10 8 9

HDPN 2

4 5 6 7
3 2 1 0 10 8 9

HDPN 3

TB 2

Line Select*

A I/O B

LS-55E

LINE
SELECT

1
2
3
4
5
6

Remote*

I/O

TR-55E

CONTROL

START 1
STOP

START 2
STOP

START 3
STOP

Remote*

I/O

TR-55E

CONTROL

RTZ
FF
REW
STOP
REC
PLAY

(All mainframes come standard with 4 built-in mic preamps)

*Optional



THE LARGEFRAME R-55E shown is outfitted with 18 stereo line inputs, standard control room/studio monitor, output module, and optional phone input, second studio module and line selector panel. Note the large frame is capable of housing a total of 21 input channels if desired. Four built-in mic preamps are standard; up to twelve may be ordered.

THREE MAINFRAME SIZES + COMPLETELY MODULAR PLUG-IN DESIGN = TRUE CONFIGURATION FLEXIBILITY!



THE MIDSIZE R-55E MAINFRAME (shown here with optional phone, second studio and line selector modules) comes standard with twelve inputs (13 max) and four mic preamps (8 max). Note how the R-55E hinged meterbridge swings up and open for easy access to I/O connectors, logic programming dipswitches and calibration trimpots.

NO COUNTERTOP DROP-THRU required for R-55E series mainframes. Just position the console, run your connector cables up under the meterbridge to each module's I/O DB-25 connector (installation kit with crimp tool and connectors included with every console), plug things in and you're ready to roll!

Super Easy Set-up!



THE R-55E provides uncluttered access to each plug-in module's DB-25 I/O connector, logic programming dipswitch and calibration trimpots, making installation and set-up **FAST** and **FOOLPROOF** —and configuration changes a breeze.

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/ μ sec
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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

POWER CONSUMPTION (max)

R-55e-18 (full frame)	50 watts
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DIMENSIONS

Front-to-Back	24-1/2"
Height (rear)	7-5/8"
Height (front)	2-3/4"
Width (R-55e-8)	19-3/4"
Width (R-55e-12)	28-3/4"
Width (R-55e-18)	40-7/8"

FEATURE LIST

- true modular construction
- electronic switching throughout
- two stereo and two mono output busses
- phone support (up to 2 callers)
- LED illuminated switches and meters throughout
- extensive control room *and* studio monitoring
- dual studio support
- dual headphone support
- external power supply
- failsafe power option
- 8, 12 or 18 input mainframes
- one master module position
- two monitor module positions
- digital timer (manual and auto restart)*
- digital clock (reads ESE time code)*
- cue speaker with built-in amplifier
- connectorized faders and monitor pots
- connectorized channel ON/OFF switches
- steel construction
- concealed headphone jacks
- countertop installation

*large & midsize frames only



Compact Tabletop Mount

THIS SMALLFRAME

R-55e has 8 stereo line input modules (9 max), four built-in mic preamps, control room/studio monitor module and an output module. The phone input (blue fader) and second studio module shown are optional.

Specifications and features are subject to change without notice