

# 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**

[sales@wheatstone.com](mailto:sales@wheatstone.com) / tel 252-638-7000 / [www.audioarts.net](http://www.audioarts.net)

# 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

Phone\*

Output

CR/Studio

Studio 2\*

Line Select\*

Remote\*

Remote\*

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

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

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

A I/O B

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

TB

DRS-55E

EXTERNAL

1  
2

MONITOR  
SOURCE

PGM  
AUD  
MOND  
PRE

TB

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

A I/O B

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

TB 2

SS-55E

EXTERNAL

1  
2

MONITOR  
SOURCE

PGM  
AUD  
MOND  
PRE

TB 2

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

A I/O B

LS-55E

LINE  
SELECT

1  
2  
3  
4  
5  
6

I/O

TR-55E

CONTROL

START 1  
STOP

START 2  
STOP

START 3  
STOP

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
---------	---------

## 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/ $\mu$ sec
--	----------------

## MAXIMUM INPUT

Line	+28dBu
Mic	-6dBu

## MAXIMUM OUTPUT

Line	+28dBu
------	--------

## HEADROOM

above +4dB	24dB
------------	------

## BUS CROSSTALK

1KHz	-100dB
20KHz	-80dB

## STEREO SEPARATION

1KHz	-75dB
------	-------

## 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
-----------------------	----------

## 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