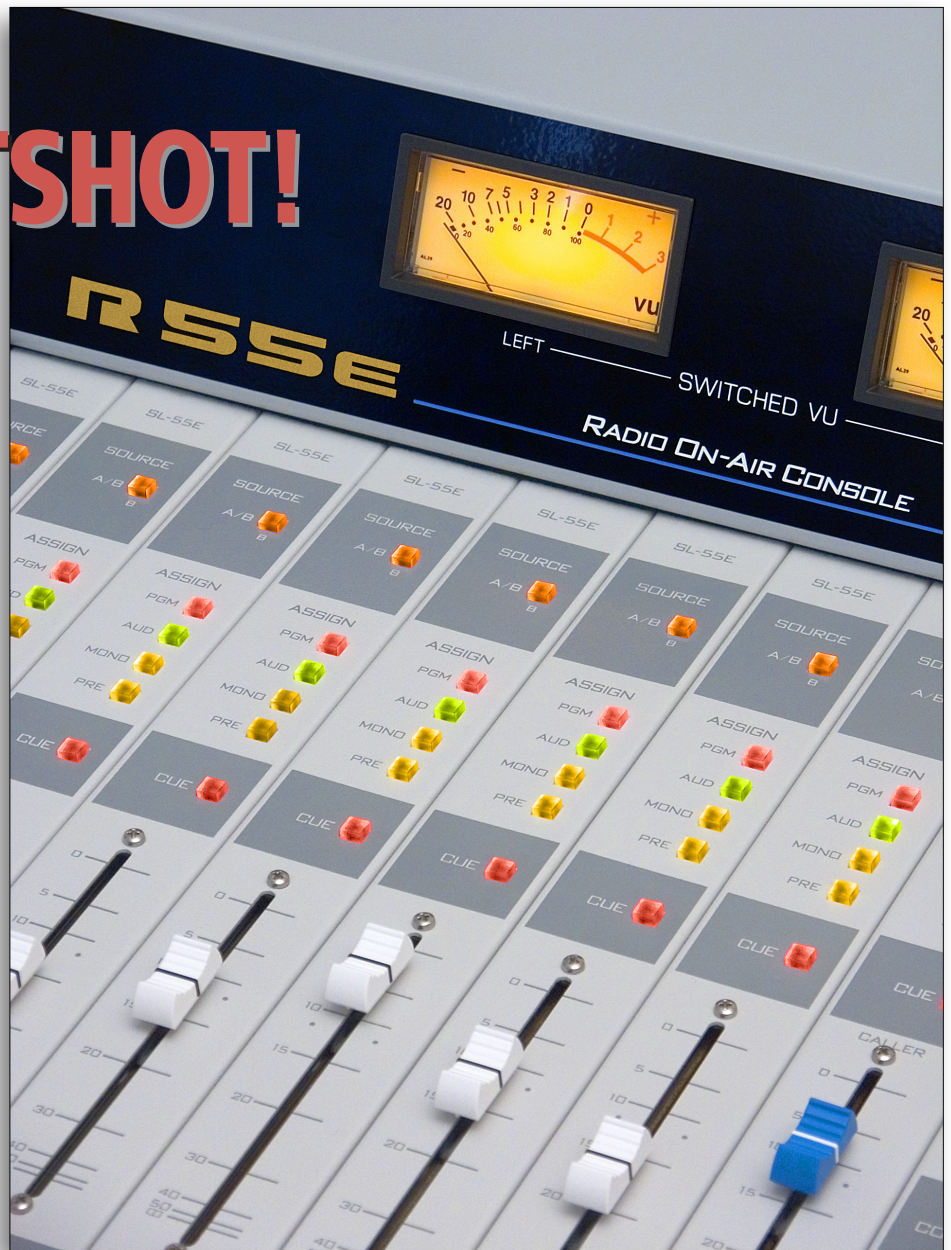# STRAIGHTSHOT!

THE R-55E has **AUDIOARTS ENGINEERING'S** out-standing 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 / tel 252-638-7000 / 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 monitoring 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   I/O   A I/O B   A I/O B   A I/O B   A I/O B   I/O   I/O

LOCAL OFF
TIMER RSTRT   TIMER RSTRT   CR CUE LT   HDPN 3 CUE LT
MUTE 1   MUTE 1   CR CUE RT   HDPN 3 CUE RT
MUTE 2   MUTE 2   HDPN CUE   HDPN 2 CUE
TALKBACK   CR MUTE   HDPN 3 MUTE
                                                    STU MUTE   STU 2 MUTE
                                                    STU DIM LT   STU 2 DIM LT
                                                    STU DIM RT   STU 2 DIM RT

                                   L
                          PGM
                                   R

CALLER   TB   TB 2

L
TRIM   AUD
R   R

                  MONO

                  PRE

SL-55E   SPN-55E   OM-55E   CRS-55E   SS-55E   LS-55E   TR-55E   TR-55E

SOURCE   EXTERNAL   EXTERNAL   EXTERNAL

A/B   1   1   1
  B   2   2

                      SWITCHED   MONITOR   MONITOR
                      METER   SOURCE   SOURCE
                      SOURCE
ASSIGN   ASSIGN   SELECT   LINE   CONTROL   CONTROL
                                                          SELECT
PGM   PGM   PGM   PGM   PGM   START   RTZ
                                                          1   1
AUD   AUD   AUD   AUD   AUD   STOP   FF
                                                          2
MONO   MONO   MONO   MONO   MONO   START   REW
                      / PRE   3   2
PRE   PRE   PRE   PRE   STOP   STOP
                                                          4
                                                                     START   REC
CUE   CUE   CUE ON   5   3
                                                                     STOP   PLAY
          CALLER   6

                      CUE

                      TIMER
                      CONTROL

                      AUTO   STUDIO   STUDIO 2
                      START

                      START   HDPN   HDPN 2
                      STOP

                      RESET   CR   HDPN 3

                      HOLD

Input   Phone*   Output   TB   TB 2

*(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/μsec

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