

# Audioarts R-90



CLOCK  
10.42.54  
27.54  
TIMER

LEFT — SWITCHED — RIGHT

Model **R-90**

 **AUDIOARTS ENGINEERING**



 **AUDIOARTS® ENGINEERING**

tel 252-638-7000/fax 252-635-4857/sales@wheatstone.com

[www.audioarts.net](http://www.audioarts.net)

# R-90 – The Streamlined Audioarts Console



## **The Perfect Console for Multi-Studio Buildouts**

**OUR NEW R-90 HAS THE FEATURES ENGINEERS WANT:** two stereo program busses and two mono busses—one pre and one post fader (perfect for backfeeds or on-the-fly mix-minus), dual phone caller support using Wheatstone's exclusive Bus-Minus® circuitry, which generates mix-minus caller feeds with the simple push of the module's MXM bus assignment switch. Both control room and studio monitoring with talkback are provided, including both pre and post studio and headphone level pot monitor feeds. You can even choose a second monitor module for studio two/headphone two output feeds, giving you plenty of monitoring flexibility. And while the frame is compact, it can accommodate up to 23 input or accessory modules in any combination. And because all switching is electronic (and all switches are LED illuminated) you can count on the ultimate in reliability. *This is a truly versatile and compact Audioarts console!*



## **FEATURE LIST:**

- *dual phone caller support*
- *Wheatstone's reliable SimplePhone® circuitry*
- *true modular construction*
- *electronic switching throughout*
- *LED illuminated switches throughout*
- *extensive control room monitoring*
- *dual studio support*
- *dual headphone support*
- *external power supply*
- *failsafe power option*
- *23 input/accessory positions*
- *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*
- *conductive plastic faders and monitor pots*
- *connectorized faders and channel ON/OFF switches*
- *steel construction*
- *concealed headphone jacks*
- *countertop installation*

**DB-25 CONNECTION — A WHEATSTONE BENCHMARK:** *The insulation displacement mating connectors and tooling supplied make integration fast and easy. And because the meterbridge is hinged to reveal the I/O connectors, installation is a snap. With the meterbridge open you also have direct access to logic programming dipswitches and calibration trims, making setup a direct, easy process. Perhaps best of all, the R-90 sits right on top of your counter (no cut-throughs required) making the R-90 a totally installation-friendly console design!*

## **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

### **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

### **DIMENSIONS**

Width 41"  
 Depth 24 1/2"  
 Height (rear) 8"  
 Height (front) 3"