# AML AZALEA

MODERN ANALOG CONSOLE

AML Azalea is designed for modern studios that demand professional quality without the pro price tag

**AUDIOARTS ENGINEERING**

# Meet AML Azalea

It starts with Wheatstone's uncompromising quality, reimagined through the Audioarts lens for today's studios. Features and performance go way up, price stays comfortably within reach, and the result is a sleek, compact console that fits perfectly into any home studio, voiceover booth, remote truck, or on-air space. The new AML Azalea isn't just an analog refresh — it's a complete re-engineering, built from the inside out to deliver modern functionality in a space-saving form. With 8 channels, smooth pro faders, USB connectivity for today's workflows, and exclusive Wheatstone touches like SuperQuiet™ mic preamps, AML brings out the best in your sound. It's part of the Audioarts Engineering studio line — a thoughtfully designed collection of consoles, control surfaces, talent stations, and headphone amps built for real-world broadcast environments.

Full, 100mm throw faders with separate on/off buttons

Indi
on-air

Super-Quiet™ mic preamps for low noise

cator for
at-a-glance

Metering for
mix bus outputs

PGM 1 & 2
stereo output
mix busses

# Overview



This 8-channel console packs in a lot for its size. USB and RJ45 connectivity, separate power supply, and professional design and construction with all the right metering, busses and faders.

# Features



- 8 input faders by 2 stereo bus configuration

- 2 mic channels, differential input on Phoenix style connector, variable gain

- Four stereo analog channels, input on RJ45 connector, dip switch level selectable (-10, +4)

- USB stereo audio input on USB type B connector with built-in D/A convertor

- 2 main stereo outputs, PGM1 and PGM2, balanced +4 on RJ45 connectors

- Cue bus and caller mix-minus outputs, balanced +4 on RJ45 connectors

- Control room output with fader level control balanced +4 on RJ45 connector

- Separate guest output, balanced +4 on RJ45 connector, with talkback.

- External input, balanced, on RJ45 connector for off-air monitoring.

- Built-in headphone amplifier with split cue function

# Literally Plug & Play...

The AML AZALEA is an eight-channel, self-contained analog radio console.

It is meant to be used stand-alone; it does not require Wheatstone Blades in order to function.

The console has the following components:

**Fader Channels**—There are eight fader channels on the AML AZALEA. Each has two PGM bus assign buttons, ON and OFF buttons and a button to assign the fader channel to the CUE bus. The first two channels are mono microphone inputs. Channels 3 through 6 are "line" inputs, switchable for professional (+4) or consumer (-10) input levels via DIP switches. Channel 7 is a special "Caller" channel designed to interface to a telephone hybrid to allow for recording and airing phone calls. Channel 8 is a USB channel, which is ideal for connecting a computer such as a VoxPro computer, playout system or an internet PC for example.

**Monitor Controls**—The AML AZALEA includes level controls for the Control Room monitor speakers, headphones and Cue; CR Monitor Source selector and Talkback buttons.

**Audio Busses**—The AML AZALEA has two Program Busses and a mix-minus bus that can be fed to the phone hybrid.

**Outputs**—The AML AZALEA features outputs for the PGM 1 and 2 busses, control room speakers, a 1/8" stereo jack for headphones, an output for an external cue speaker, logic outputs for an ON-Air light tally signal, and machine start signals for channels 3, 4, 5 and 8. There is also a Guest output for driving a headphone amp to provide headphones for guests.

**Meter Bridge**—The AML AZALEA's meter bridge features two stereo LED meters, each displaying audio levels for one of the two PGM busses.

# Power Supply



The AML AZALEA Console is powered by the Wheatstone HPS-516 multipurpose power supply. The power supply provides +16 VDC to the AML AZALEA via a supplied cable with two DC power connectors. The HPS-516 is a half-rack-width unit that can be rack-mounted using the RU1-K rack mount kit.

# Console Inputs

## Microphone Inputs

The first two inputs are microphone-level inputs. Connections are made via a 6-position Phoenix connector.

## Line Inputs

Inputs 3 through 6 are stereo analog "line" inputs. These inputs are selectable between a +4 dBu professional input level and a -10 dBu consumer input level. The DIP switches that select the input level are found on the bottom of the console. Use a small flat-blade screwdriver to select +4 or -10 for each line input as needed. The input connections use the standard StudioHub wiring scheme.

## Caller Channel

Input 7, the Caller Channel, is designed to make it easy to interface a telephone hybrid with the AML AZALEA Console. Simply connect the analog output of your telephone hybrid to this channel, and connect the console's MXM (mix-minus) output back to the analog input of the hybrid and you are ready to air phone calls.

## External Input

The External Input is an analog input for monitoring an external source such as off-air radio receiver or Sim Air/Fake Air from an audio processor. It could also be used to monitor audio from a satellite receiver or another control room or production room. Whatever your on-air jock or board-op might need to monitor from time to time can be connected here and can be quickly monitored on the control room speakers.

## USB Channel

Input 8 is a bidirectional USB channel. You can connect a computer to the USB Type B port on the AML AZALEA and the console will act as a "sound card" for that computer, eliminating the need for an expensive internal or external USB sound card.

If you are running music playout software or Wheatstone's Voxpro editing system, you can start playback remotely from the console's "ON" button.

# Console Outputs
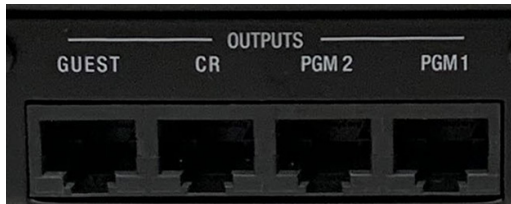


## Program Bus Outputs

There are two Program Busses designated PGM1 and PGM2. Each fader channel on the AML AZALEA has two Program bus assign buttons near the top of the channel labeled 1 and 2. Pressing these buttons will add the channel to the selected busses and the buttons will light up to indicate that Program bus has been selected for that channel.

## CR Output

Control Room (CR) Output is an analog stereo, line level output designed to drive an outboard speaker amplifier or powered speakers.

## Guest Output

The Guest Output is an analog stereo, line level output designed to drive a headphone amp for studio guests. It follows the CR Monitor selector switch. The Guest output has a pre-determined output level and does not mute. There is a talkback button on the control module which allows the board operator to talk directly into the guest headphone feed.
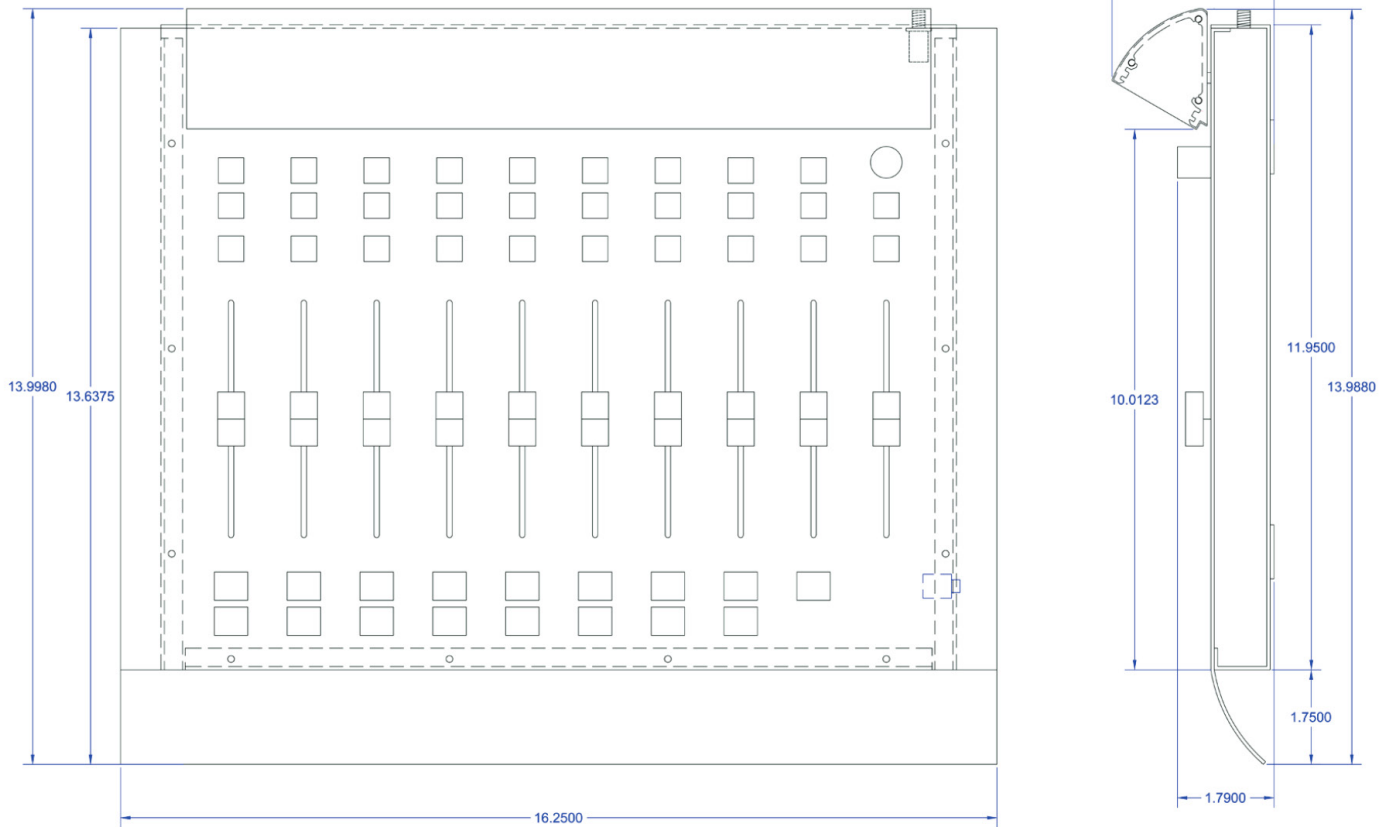
## Mix-Minus Output

The MXM output is designed specifically for use with a phone hybrid.

## Cue Output

The Cue Output is a mono analog, line level output designed to drive an outboard speaker amplifier or powered speaker.

AML-8 CONSOLE

**PHYSICAL DIMENSIONS AML 8 CONSOLE:**

16.25"/41.275 cm wide

13.6375"/34.64 cm including the wrist rest

3.0038"/7.63 cm high (rear)

1.790"/4.55 cm high (front)

Powered by an external power supply

# SOUND. SIMPLE. SMART.



**Wheatstone Corporation** makes broadcast quality control surfaces, on-air audio processors, virtual mixers, audio editors, streaming appliances, voice/mic processors, and 200+ interconnected AoIP studio elements — all engineered, manufactured and supported under one roof by industry pros. Celebrating 50 years of innovating audio solutions for broadcast, commercial, and live sound excellence, Wheatstone markets products under VoxPro, Wheatstone and Audioarts Engineering brand names.

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