



## The Zone Mix 761 from Symetrix

The **Zone Mix 761** is a complete zone mixing, paging, and music management solution designed to save integrators time and money. Built upon proven and reliable technology, the Zone Mix 761 is perfect for restaurants, hospitality establishments, night clubs and more. The Zone Mix 761 combines a level of quality, polish, and features never before seen at such a competitive price. The beautiful Graphic User Interface provides a familiar hardware-like layout allowing for a low learning curve and quick use. From elegant remote controls to a simple 3rd party control protocol, the Zone Mix 761 is all about integration. It provides a level of audio comfort and security often overlooked with life safety system support for emergency announcement routing or system muting.

The Zone Mix 761 - your complete zone mixing, paging and music management solution from Symetrix.

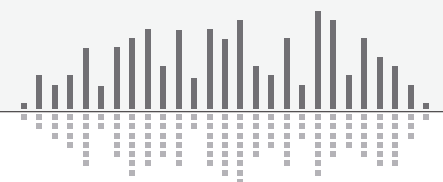
## Zone Mix 761 Applications

### Paging and music management for:

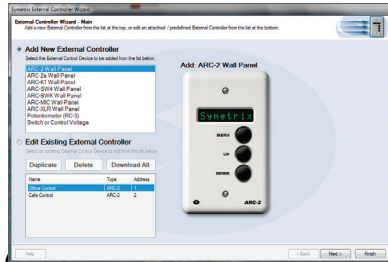
- Restaurants
- Sports Bars
- Fitness Clubs
- Night Clubs
- Hotels
- Casinos
- Retail Locations
- Museums
- Office Buildings
- Theme Entertainment

## Benefits and Features

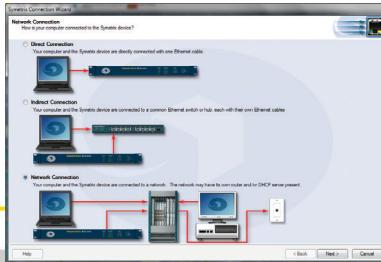
- Efficient setup using a straightforward Windows-interface connected over Ethernet.
- Optimal feature set with microphone preamplification, compression, and AGC, paging, feedback elimination, filters and equalization.
- Support for Symetrix ARC wall panel remotes and ARC-WEB for simple, intuitive end-user operation.
- 4 switchable mic or line inputs for paging from up to three locations plus emergency page, and 8 audio media inputs.
- 6 outputs route audio media inputs plus paging to as many as 6 unique locations.



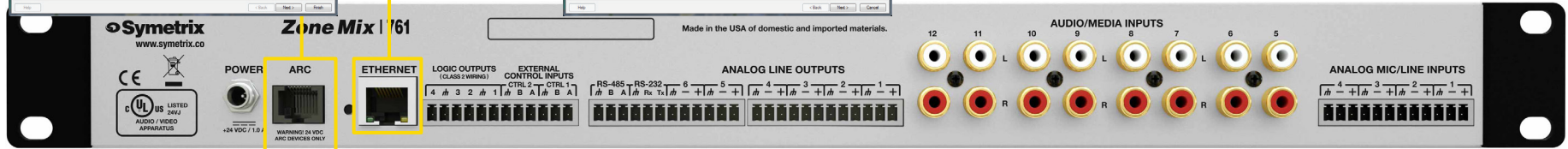
# DATA SHEET: Zone Mix 761



The **External Control Wizard** quickly configures ARC Wall Panels and the External Control inputs.



The **Connection Wizard** effortlessly connects your computer to the Zone Mix 761 hardware saving time and money.



## A&E Specifications

The device shall provide four inputs that are selectable as line or mic level with phantom power; there shall be eight mono-summing line inputs fitted with RCA connectors. All signal processing, mixing and routing functions (including input gains) shall be controllable via software. Audio inputs and outputs shall be accessed via rear panel RCA and 3.81 mm terminal block connectors.

The Graphical User Interface (GUI) software shall be installer programmable using the Windows® XP or higher operating system. Computer connection and control shall be via the device's rear panel Ethernet connector. The GUI shall provide display and control of all signal processing and configuration functions including (but not limited to): Input and Output Gain, Highpass Filtering, Parametric Equalization, Compression, Limiting, Automatic Gain Control, Ducking, Feedback Elimination, Signal Routing, Delay, Polarity.

The front panel shall include input and output signal level indicators as well as indicators for POWER, NETWORK, and ARC.

External control shall include dedicated software screens as well as preset selection, I/O level control and muting using the optional ARC wall panel remote controls via industry-standard CAT5 cables with RJ45 connectors. All program memory shall be non-volatile and provide program security should power fail. The device shall provide an on board real time clock to facilitate automatic, timed changing of presets. Third-party control systems may interface over IP and RS-232 using a published ASCII control protocol.

Audio conversion shall be 24-bit, 48 kHz. The dynamic range of the processor shall not be lower than 110 dB A-weighted.

The device shall have a captive power input socket for an external 24 VDC supply. The device shall meet UL/CSA and CE safety requirements and comply with CE and FCC Part 15 emissions limits. The device shall be RoHS compliant. The chassis shall be constructed of cold rolled steel and moulded plastic, and mount into a standard 19" 1U EIA rack. The device shall be a **Symetrix model Zone Mix 761**.

## Performance Data

### INPUTS

**Number of Inputs:** Twelve (12) total; Four (4) switchable balanced mic or line, Eight (8) mono-summed stereo -10 dBV line level.

**Connectors:** 3.81 mm terminal blocks (mic/line), RCA (Audio Media source).

**Nominal Input Level:** +4 dBu line or -36 dBu mic level (software selectable) with 20 dB of headroom.

**Mic Pre-amp Gain:** +40 dB.

**Maximum Input Level:** +23 dBu mic/line, +8 dBV RCA.

**Input Impedance:** > 18 k $\Omega$  balanced, > 9 k $\Omega$  unbalanced, > 2 k $\Omega$  with phantom power engaged (Euroblock); > 20 k $\Omega$  unbalanced (RCA).

**CMRR:** > 50 dB @ 1 kHz, unity gain.

**Mic Pre-amp EIN:** < -125 dBu, 22 Hz - 22 kHz, 100  $\Omega$  source impedance.

**Phantom Power:** +20 VDC, 20 mA maximum per input.

### OUTPUTS

**Number of Outputs:** Six (6) balanced line level.

**Connectors:** 3.81 mm terminal blocks.

**Nominal Output Level:** +4 dBu line level with 20 dB of headroom. For unbalanced analog output, do not connect the minus output terminal.

Unbalanced configuration results in 6 dB lower output level.

**Maximum Output Level:** +24 dBu.

**Output Impedance:** 200  $\Omega$  balanced, 100  $\Omega$  unbalanced.

### SYSTEM

**Sample Rate:** 48 kHz.

**Frequency Response:** 20 Hz - 20 kHz, +/- 0.5 dB.

**Dynamic Range:** > 110 dB (A-Weighted), input to output.

**THD+Noise:** < -85 dB (un-weighted); 1 kHz @ +22 dBu with 0 dB gain.

**Interchannel Crosstalk:** < -90 dB @ 1 kHz, typical.

**Latency:** < 1.6 ms, input to output with all DSP inactive.

## Mechanical Data

### SPACE REQUIRED:

1U (WDH: 48.02 cm x 22.15 cm x 4.37 cm / 18.91 in x 8.72 in x 1.72 in), depth is specified from front panel to back of connectors.

Allow at least 3 inches additional clearance for rear panel connections. Additional depth may be required depending upon your specific wiring and connections.

### ELECTRICAL:

100-240 VAC, 50/60 Hz, 25 Watts maximum. Universal input.

### VENTILATION:

Maximum recommended ambient operating temperature is 30 C / 86 F. Ensure that the left and right equipment sides are unobstructed (5.08 cm, 2 in. minimum clearance). The ventilation should not be impeded by covering the ventilation openings with items such as newspapers, tablecloths, curtains, etc.

### CERTIFICATIONS OR COMPLIANCE:

UL 60065, cUL 60065, IEC 60065, EN 55103-1, EN 55103-2, FCC Part 15, RoHS

### SHIPPING WEIGHT:

8.15 lbs. (3.70 kg)

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All specifications and features subject to change without notice.

