## 9000M2 Series Modular Digital Matrix Mixer and Mixer/Amplifiers



# Unparalleled DSP mixer ideal for multi-zone paging, music distribution and room-combining applications. 

The 9000 Series Modular Digital Matrix Mixer and Mixer/Amplifiers redefine the conventional mixer/amplifier category by combining a modular matrix mixer, digital signal processor and amplifiers in a compact, two rack space package. The versatile series is ideal for multizone paging, music distribution and roomcombining applications.

The series allows for easily configured, custom systems with up to eight mic/line inputs and eight outputs. Each 9000 Series chassis has two output channels with builtin DSP, including ten band parametric EQ, compressor, delay and more. Input and output modules include additional DSP.

An integrated operating mode provides powerful functionality for both simple mixing and complex multi-zone paging applications. Features include telephone zone paging, automatic microphone mixing and ambient noise control.


## Features

- Combination of Matrix and Mixer Mode
- 8 slots for modules
- 4 priorities selectable
- 2 DSP output channels included
- 10-band parametric equalizer
- Ducker-function (priority)

Applications

- Restaurants \& bars
- Hotels
- Conference \& board rooms
- Auditoriums
- Offices
- Museums
- Fitness clubs
- Theme parks
- Houses of worship


## M-9000M2 Digital Mixer

## Features:

-Flexible modular design - up to 8 mic/line inputs and 8 outputs

- Any combination of inputs may be routed to any combination of outputs
- Detailed GUI software screens make even complex settings intuitive and easy to understand
- Use up to 16 dedicated RS-485 wall-mount remote controls, or control from 3rd party systems using RS-232
- 32 scene memories and 32 paging memories
- Accepts 9000 and 900 series modules ( 9000 modules are dual input and include DSP, except for the ZP-001T)
- 2 built in line level outputs on frame
- Requires at least one input module


| Specifications |  |
| :---: | :---: |
|  | M-9000M2 |
| Power Source | $120 \mathrm{~V} \mathrm{AC}$, |
| Power Consumption | 40W |
| Audio Input | Max. 8 channels, modular construction (modules optional) |
| Audio Output | Preamplifier output 1, 2: $0 \mathrm{~dB}, 600 \Omega$, balanced, removable terminal block ( 3 pins) |
| Module Slot | Analog input (slot $1-8$ ): $-10 \mathrm{~dB}, 10 \mathrm{k} \Omega$, unbalanced; Digital input (slot $1-4$ ): $24 \mathrm{bit} / 48 \mathrm{kHz}$; MIX output (slot $1-8$ ): $-14 \mathrm{~dB}, 330 \Omega$ (CH 1 prefader output), unbalanced; Digital output (slot $5-7$ ): $24 \mathrm{bit} / 48 \mathrm{kHz}$; Power supply (slot $1-8$ ): $+24 \mathrm{~V},-24 \mathrm{~V},+6 \mathrm{~V}$ DC |
| Digital Audio Signal Reference Level | -20 dBFS |
| Power Bandwidth | $20-20,000 \mathrm{~Hz}, 0.008 \%$ THD |
| Frequency Response | $20-20,000 \mathrm{~Hz},+1,-3 \mathrm{~dB}$ |
| Total Harmonic Distortion | 0.008\% (at 22 kHz LPF, $1 \mathrm{kHz},+10 \mathrm{~dB}$ output) |
| S/N Ratio | At Input short, $20-20,000 \mathrm{~Hz}$, set to ALL FLAT or OFF setting; Output volume min.: 90 dB ; Output volume max.: 61 dB (Input 1 volume: 0 dB , Other Inputs: OFF) |
| Cross Talk | Over 64 dB (at 20 kHz ) |
| Tone Control | Bass: $\pm 12 \mathrm{~dB}$ (at 100 Hz ), Treble: $\pm 12 \mathrm{~dB}$ (at 10 kHz ) |
| Parametric Equalizer | 10 bands, Freq: $20-20,000 \mathrm{~Hz}, 31$ points, varlous range: $\pm 12 \mathrm{~dB}, \mathrm{Q}: 0.3-5$ |
| High-pass Filter | -12 dB/oct, Variable frequency range: $20-20 \mathrm{kHz}, 31$ points |
| Low-pass Filter | -12 dB/oct, Variable frequency range: $20-20 \mathrm{kHz}, 31$ points |
| Compressor | Depth: 1-5 |
| Delay | $0-40 \mathrm{~ms}$ (1 ms steps), maximum $40 \mathrm{~ms}(\mathrm{CH} \mathrm{1}+\mathrm{CH} 2)$ (mixer mode only) |
| Scene/Event Memory | 32 |
| Auxiliary Function | Key lock function |
| Control Input/Output | RS-232C, D-sub connector (9P, female); Control input: 4 inputs, no-voltage make contact input, open voltage: 3.3 V DC, short-circuit current: Under 1 mA , removable terminal block ( 14 pin ); Control output: 4 outputs, open collector output, with stand voltage: 27 V DC, control current: 50 mA , removable terminal block ( 14 pin ); Remote volume: 2 channels, connect a $10 \mathrm{k} \Omega / \mathrm{linear}$ taper variable resistor (AT-10K) or input DC voltage of 0 to +10 V , removable terminal block ( 14 pin ) |
| Operating Temperature | $-10^{\circ} \mathrm{C}$ to $+40^{\circ} \mathrm{C} / 14^{\circ} \mathrm{F}$ to $104^{\circ} \mathrm{F}$ |
| Operating Humidity | $35 \%$ to 80\% RH (no condensation) |
| Finish | Panel: Aluminum, hair-line, black; Case: Surface-treated steel plate, black, paint |
| Dimensions | $16.54^{\prime \prime}(\mathrm{W}) \times 4.24^{\prime \prime}(\mathrm{H}) \times 13.9^{\prime \prime}(\mathrm{D}) / 420$ (W) $\times 107.6$ (H) $\times 353$ (D) mm |
| Weight | $13.23 \mathrm{lbs} / 6 \mathrm{~kg}$ |
| Included Accessories | Power cord ( $6.56 \mathrm{ft}[2 \mathrm{~m}]$ ) x 1, Rack mounting bracket x 2, Bracket mounting screw x 4, Blank panel x 7, Blank panel mounting screw $\times 14$, Removable terminal plug (3 pin) x 2, Removable terminal plug (14 pin) x 1, CD x 1 |

## A-9000 Series Digital Matrix Mixer/Amplifier

The TOA A-9000M2 Series Digital Matrix Mixer/Amplifier redefines the conventional mixer/amplifier by combining a modular frame, matrix mixer, digital signal processor (DSP) and amplification in a compact, two rack space package. The A-9000M2 series is ideal for multi-zone paging, music distribution and room-combining applications. The A-9000M2 Series allows for easy configuration of custom systems with up to eight discrete mic/line inputs and eight discrete outputs. Each A-9000M2 Series chassis has two output channels (amplified or line level depending on model) with built-in DSP, including ten band parametric EQ, compressor, and delay. Additional DSP is provided by adding input output cards as required. The A-9000M2 system provides powerful tools for both simple mixing and complex multi-zone paging applications. Input modules include SIP-based multi-zone paging, analog (DTMF) telephone zone paging, and ambient noise control. Dual-channel output modules are available (up to 3 per frame). Contact closure interface and RS-485 control interface cards (for TOA ZM series remote controls) are also available.

Specifications

|  | A-9060DHM2 | A-9120DHM2 |
| :---: | :---: | :---: |
| Power Source | $120 \mathrm{VAC}, 60 \mathrm{~Hz}$ |  |
| Power Consumption | 150 W | 250 W |
| Audlo Input | Max. 8 channels, modular construction (modules optional); Power amplifier input 1, $2: 0 \mathrm{dBV}, 10 \mathrm{k} \Omega, \mathrm{RCA}$ pin Jack |  |
|  | Preamplifier output 1, 2: 0 dBV , 300 ${ }^{\text {, unbalanced, }}$ RCA pin jack |  |
| Audio Output | Speaker output 1, 2: 60W, 70.7 V line, $83 \Omega \times 2$, BTL output, removable terminal block ( 4 pins) | Speaker output 1, 2: 120W, 70.7 V line, $41 \Omega \times 2$, BTL output, removable terminal block ( 4 pins) |
| Module Slot | Analog input (slot $1-8$ ): -10 dB, $10 \mathrm{k} \Omega$, unbalanced; Digital (CH 1 prefader output), unbalanced; Digital output (slot | ut (slot 1-4): 24 bit/48 kHz; MIX output (slot 1 - 8): -14 dB, $330 \Omega$ : 24 bit/48 kHz; Power supply (slot $1-8$ ): $+24 \mathrm{~V},-24 \mathrm{~V}$, +6 V DC |
| Digital Audio Signal Reference Level | -20 dBFS |  |
| Power Bandwidth | $20-20,000 \mathrm{~Hz}, 0.008 \%$ THD |  |
| Frequency Response | Power amplifier section: $20-20,000 \mathrm{~Hz},+0,-1 \mathrm{~dB}$; Analog input module to speaker output: $20-20,000 \mathrm{~Hz},+1,-3 \mathrm{~dB}$ |  |
| Total Harmonic Distortion | Power amplifier section: $0.0008 \%$ ( 22 kHz LPF, 1 kHz , rated power); Analog input module to speaker output: $0.008 \%$ ( 22 kHz LPF, 1 kHz rated power) |  |
| S/N Ratio | At Input short, $20-20,000 \mathrm{~Hz}$, ALL FLAT or OFF setting; Output volume min.: 90 dB (preamplifier output); Output velume max.: 61 dB (preamplifier output, input 1 volume: 0 dB , other inputs: OFF); Power amplifier section: 110 dB |  |
| Cross Talk | Over 64 dB (at 20 kHz ) |  |
| Tone Control | Bass: $\pm 12 \mathrm{~dB}$ (at 100 Hz ) Treble: $\pm 12 \mathrm{~dB}$ (at 10 kHz ) |  |
| Parametric Equalizer | 10 bands , Freq: $20-20,000 \mathrm{~Hz}$, 31 points, various range: $\pm 12 \mathrm{~dB}, \mathrm{Q}: 0.3-5$ |  |
| High-pass Filter | -12 dB /oct, variable frequency range: $20 \mathrm{~Hz}-20 \mathrm{kHz}, 31$ points |  |
| Low-pass Filter |  |  |
| Compressor | Depth: 1-5 |  |
| Delay | 0-40 ms (1 ms steps), maximum $40 \mathrm{~ms}(\mathrm{CH1}+\mathrm{CH} 2)$ (Mixer mode only) |  |
| Scene/Event Memory | 32 |  |
| Auxiliary Function | Key lock function |  |
| Control Input/Output | RS-232C; D-sub connector (9P, female); Control input: 4 input, no-voltage make contact input, open voltage: 3.3V DC, short-circuit current: Under 1 mA , removable terminal block ( 14 pins); Control output: 4 outputs, open collector output, withstand voltage: 27 V DC, control current: 50 mA , removable terminal block (14 pins); Remote volume: 2 channels, connect a $10 \mathrm{k} \Omega$ /linear taper variable register or input the DC voltage of 0 to +10 V , removable terminal block ( 14 pins) |  |
| Operating Temperature | $=10^{\circ} \mathrm{C}$ to $+40^{\circ} \mathrm{C}\left(14^{\circ} \mathrm{F}\right.$ to $\left.104^{\circ} \mathrm{F}\right)$ |  |
| Operating Humidity | 35\% to 80\% RH (no condensation) |  |
| Finish | Panel: Aluminum, hair-line, black; Case: Surface-treated steel plate, black paint |  |
| Dimensions | $16.54^{\prime \prime}(\mathrm{W}) \times 4.24^{\text {r }}(\mathrm{H}) \times 15.55^{\prime \prime}(\mathrm{D}) / 420(\mathrm{~W}) \times 107.6$ (H) $\times 395(\mathrm{D}) \mathrm{mm}$ |  |
| Weight | 19.84) lbs (9kg) | 24.25 lbs ( 11 kg ) |
| Accessory | Power cord ( $2 \mathrm{~m}(6.56 \mathrm{ft})$ ) $\times$ 1, Rack mounting bracket $\times 2$ 2, Bracket mounting screw $\times 4$, Blank panel $\times 7$, Blank panel mounting screw $\times 14$, Removable terminal plug ( 4 pins) $\times 1, C D \times 1$, Removable terminal plug ( 14 pins) $\times 1$ |  |



## A-9000 Series Digital Matrix Mixer/Amplifier

- Flexible modular design - up to 8 mic/line inputs and 8 total outputs
- Intuitive GUI software
- RS-232 control for 3rd party control systems
- EQ presets for 30 TOA loudspeakers included
- Accepts TOA ZM series remote controls (RC-001T may be required)
- 32 scene memories and 32 paging memories
- Up to 12 filters plus compressor available for each input and output channel

| Specifications |  |  |  |
| :---: | :---: | :---: | :---: |
|  | A-9060SM2 | A-9120SM2 | \|A-9240SHM2 |
| Power Source | $120 \mathrm{~V} \mathrm{AC}, 60 \mathrm{~Hz}$ |  |  |
| Power Consumption | 100W | 150W | 250W |
| Audio Input | Max. 8 channels, modular construction (modules optional); Power amplifier input 1, $2: 0 \mathrm{dBV}, 10 \mathrm{k} \Omega, \mathrm{RCA}$ pin jack |  |  |
| Audio Output | Preamplifier output 1: $0 \mathrm{~dB}, 300 \Omega$, unbalanced, RCA pin jack Preamplifier output 2: $0 \mathrm{~dB}, 600 \Omega$, unbalanced, removable terminal block ( 3 pins) |  |  |
|  | Removable terminal block (7 pins); Direct: 60W, $4 \Omega$, unbalanced, Transformer: $60 \mathrm{~W}, 8 \Omega 25 \mathrm{~V}$ and 70 V , balanced | Speaker output: Removable terminal block (7 pins); Direct: 120 W, $4 \Omega$, unbalanced; Transformer: $120 \mathrm{~W}, 8 \Omega 25 \mathrm{~V}$ \& 70 V , balanced | Speaker output: $240 \mathrm{~W}(70 \mathrm{~V})$ removable terminal block (4 pins) |
| Module Slot | Analog input (slot $1-8$ ): $-10 \mathrm{~dB}, 10 \mathrm{k} \Omega$, unbalanced; Digital input (slot $1-4$ ): $24 \mathrm{bit} / 48 \mathrm{kHz}$; <br> MIX output (slot $1-8$ ): $-14 \mathrm{~dB}, 330 \Omega$ (CH 1 prefader output), unbalanced; Digital output (slot $5-7$ ): $24 \mathrm{bit} / 48 \mathrm{kHz}$; Power supply (slot $1-8$ ): +24 V, $-24 \mathrm{~V},+6 \mathrm{~V}$ DC |  |  |
| Digital Audio Signal Reference Level | -20 dBFS |  |  |
| Power Bandwidth | $\begin{aligned} & \text { (D): } 20-20,000 \\ & \text { (T): } 50-20,000 \end{aligned}$ | $\begin{aligned} & \mathrm{Hz}, 0.02 \% \text { THD } \\ & \mathrm{Hz}, 0.5 \% \text { THD } \end{aligned}$ | 20-20,000 Hz, 0.008\% THD |
| Frequency Response | Power amplifier section: $20-20,000 \mathrm{~Hz},+0,-1 \mathrm{~dB}$ Analog input module to speaker output: $20-20,000 \mathrm{~Hz},+1,-3 \mathrm{~dB}$ |  |  |
| Total Harmonic Distortion | Power amplifier section: $0.008 \%$ ( 22 kHz LPF, 1 kHz , rated power) Analog input module to speaker output: $0.008 \%$ ( 22 kHz LPF, 1 kHz , rated power) |  |  |
| S/N Ratio | At Input short, $20-20,000 \mathrm{~Hz}$, set to ALL FLAT or OFF setting; <br> Output volume min.: 90 dB (preamplifier output); Output volume max.: 61 dB (preamplifier output, input 1 volume: 0 dB , other inputs: OFF); Power amplifier section: 110 dB |  |  |
| Cross Talk | 64 dB or more (at 20 kHz ) |  |  |
| Tone Control | Bass: $\pm 12 \mathrm{~dB}$ (at 100 Hz ), Treble: $\pm 12 \mathrm{~dB}$ (at 10 kHz ) |  |  |
| Parametric Equalizer | 10 bands, Freq: 20-20,000 Hz, 31 points, various range: $\pm 12 \mathrm{~dB}, \mathrm{Q}: 0.3-5$ |  |  |
| High-pass Filter | $-12 \mathrm{~dB} /$ oct, Variable frequency range: $20-20 \mathrm{kHz}, 31$ pointsDepth: $1-5$ |  |  |
| Low-pass Filter |  |  |  |
| Compressor | $0-40 \mathrm{~ms}$ ( 1 ms steps), maximum 40 ms per output |  |  |
| Delay |  |  |  |
| Scene/Event Memory | 32 |  |  |
| Auxiliary Function | Key lock function |  |  |
| Control Input/Output | RS-232C, D-sub connector (9P, female); Control input: 4 inputs, no-voltage make contact input, open voltage: 3.3 V DC, short-circuit current: Under 1 mA , removable terminal block (14 pins); Control output: 4 outputs, open collector output, with stand voltage: 27 V DC, control current: 50 mA , removable terminal block ( 14 pins ); Remote volume: 2 channels, connect a $10 \mathrm{k} \Omega / \mathrm{linear}$ taper variable resistor or input DC voltage of 0 to +10 V , removable terminal block ( 14 pins) |  |  |
| Operating Temperature | $-10^{\circ} \mathrm{C}$ to $+40^{\circ} \mathrm{C}\left(14^{\circ} \mathrm{F}\right.$ to $\left.104^{\circ} \mathrm{F}\right)$ |  |  |
| Operating Humidity | 35\% to 80\% RH (no condensation) |  |  |
| Finish | Panel: Aluminum, hair-line, black; Case: Surface-treated steel plate, black, paint |  |  |
| Dimensions | $16.54 "$ (W) $\times 4.24^{\prime \prime}(\mathrm{H}) \times 13.98^{\prime \prime}$ (D) / 420 (W) $\times 107.6$ (H) $\times 355$ (D) mm |  | $\begin{array}{\|l} 16.54^{\prime \prime}(\mathrm{W}) \times 4.24^{\prime \prime}(\mathrm{H}) \times 15.55^{\prime \prime}(\mathrm{D}) \\ 420(\mathrm{~W}) \times 107.6(\mathrm{H}) \times 395(\mathrm{D}) \mathrm{mm} \end{array}$ |
| Weight | $24.251 \mathrm{lbs}(11 \mathrm{~kg})$ | 28.66 lbs (13kg) | 24.25 lbs ( 11 kg ) |
| Accessory | Power cord ( $2 \mathrm{~m} / 6.56 \mathrm{tt}$ ) $\times 1$, Rack mounting bracket $\times 2$, Bracket mounting screw $\times 4$, Blank panel $\times 7$, Blank panel mounting screw $\times 14$, <br> Removable terminal plug (3 pins) x 1, Removable terminal plug ( 4 pins) x 1, Removable terminal plug ( 14 pins) $\times 1, C D \times 1$ |  |  |



## P-9000 Series Power Amplifiers

## Features

- 2-Channel Power Amplifiers with 70.7V outputs
- Power Amplifier models feature flexible output power allowing up to 50\% power from one amplifier channel to be allocated to the second amplifier channel
- Channel 1 \& 2 inputs balanced with selectable input sensitivity: OdB or -20dB
- Channel 1 input may be routed to both channels
- 2 RU Rack Mounting hardware included
- Front panel LED indicators for: Protect, Peak, Signal and Power


| Specifications *0 db |  |  |
| :---: | :---: | :---: |
|  | P-9060DH | P-9120DH |
| Output Power | $2 \times 60 \mathrm{~W}$ @ 70.7V | 2x120W © 70.7V |
| Input | CH 1, CH 2 input: $-20 \mathrm{~dB}^{*}$ or $0 \mathrm{~dB}^{*}$ (switchable), $10 \mathrm{k} \Omega$, electronically-balanced, removable terminal block ( 3 pins), CH 1 mode ON/OFF switch (ON: CH 1 to All ch, OFF: Each ch) |  |
| Power Bandwidth | $20-20,000 \mathrm{~Hz}, 0.08 \%$ T.H.D. |  |
| Frequency Response | $20-20,000 \mathrm{~Hz}(-3 \mathrm{~dB},+1 \mathrm{~dB})$ |  |
| Total Harmonic Distortion | 0.008\% ( 22 kHz LPF, 1 kHz , rated output, input level selector switch in $0 \mathrm{~dB}^{*}$ position) |  |
| S/N Ratio | At Input short, $20-20,000 \mathrm{~Hz}$, Input level selector switch in $0 \mathrm{~dB}^{*}$ position Output volume min.: 105 dB , Output volume max.: 97 dB |  |
| Function | Output disconnected for approx. 5 s after switching power on |  |
| LED Indicator | Power (blue) $\times 1$, Protect (red) $\times 2$, Peak (red) $\times 2$, Signal (green) $\times 2$ |  |
| Ventilation System | Forced air cooling (fan speed: variable with temperature) |  |
| Power Source | $120 \mathrm{~V} \mathrm{AC}$, |  |
| Power Consumption | 225W (rated output), 106W (UL60065) | 404W (rated output), 208W (UL60065) |
| OperatingTemperature | $14^{\circ}$ to $104^{\circ} \mathrm{F}\left(-10^{\circ}\right.$ to $\left.40^{\circ} \mathrm{C}\right)$ |  |
| Operating Humidity | $35 \%$ to 80\% RH (no condensation) |  |
| Finish | Panel: Aluminum, hair-line, black; Case: Surface-treated steel plate, black paint |  |
| Dimensions (W x H x D ) | $16.54{ }^{\prime \prime} \times 4.24^{\prime \prime} \times 15.98^{\prime \prime}$ |  |
| Weight (without modules) | $18.08 \mathrm{lbs}(8.2 \mathrm{~kg})$ | 22.05 lbs (10kg) |

## 9000M2 Series Modules

## AN-001T

Ambient Noise Controller Module

- Automatically adjusts output gain to compensate for changes in ambient noise level
- Each input can be assigned to control a specific output
- 24 VDC phantom power for condenser mics
- 14 preset gain ratios
- Use with model AN-9001 sensing microphone (not included)
- Maximum two per chassis


## SP-11NPS

SIP Module

- Allows zone paging from SIP phone systems
- Onboard browser provides easy set up from a PC
- Five dry contact outputs can be assigned to control contact inputs on the 9000 to route calls by zone
- Priority function is available



## C-001T

Input/Output Control Module

- Eight assignable control inputs for activating event volume, up/down, mute, power on/off, emergency mute or synch on/off
- Eight assignable control outputs for activating external relays
- Removable terminal block
- Maximum one per chassis



## RC-001TPS

## Control Module

- Supports up to 8 ZM Series remote control panels per port (2 ports per card)
- Bi-directional RS-485 communication provides control and status feedback for each remote function
- May be used in combination with C-001T
- Supports ZM-9011, ZM-9012, ZM-9013, ZM9014 remote controls
- AD-246 - AC adapter supplied (qty 1 supplied additional AD-246 required for 2nd port)

D-001T
Dual Mic/Line Input Module with DSP

- Two balanced Mic / Line inputs
- Digital signal processing (10-Band Parametric EQ, Bass/ Treble, Loudness, High and Low Pass Filters, Compressor)
- Adjustable sensitivity (-60 to -10 dBV)
- Phantom power (24 VDC)
- Maximum four per chassis


## T-001T

Dual Line Output Expansion Module with DSP

- Two balanced line level outputs
- Digital signal processing (10-Band Parametric EQ, Bass/ Treble, Loudness, High and Low Pass Filters, Compressor, TOA speaker EQ presets)
- Maximum three per chassis



## D-001R

Dual Line Input with DSP

- Two RCA phono inputs per channel provides stereo summing
- Digital signal processing (10-Band Parametric EQ, Bass/ Treble, Loudness, High and Low Pass Filters, Compressor)



## ZP-001T

Telephone Zone Paging Module

- Analog telephone paging to up to eight zones
- Requires DTMF
- Dial up to eight output zones in one operation
- Analog extension or page port compatible
- Page port operation requires contact closure activation

- RJ-11 telephone jack and removable terminal blocks
- Maximum one per chassis


## NM-01

Noise Generator

- Generates band-limited pink noise for use in sound masking applications
- In/Out processor loop for external EQ
- Uses 19000 Series dual input slot



## 9000M2 Series Accessories

## AN-9001

Ambient Noise Sensing Microphone

- Ceiling or wall-mount condenser microphone
- Fits one gang electrical box
- Use with AN-001T module or DP-L2 processor


## ZM-9011

Assignable Remote Button Panel

- Fits in a standard 1-gang electrical box
- Four assignable buttons each with LED status indicator
- Controls Xpoint settings (on/off, select), paging activation, scene and relay activation

- Supplied matching decor plate
- Requires RC-001T


## SS-9001PS

4-Zone Speaker Selector

- Switch up to four speaker lines on one amplifier output
- Two speaker amplifier inputs provide uninterrupted BGM for unpaged zones
- Works with built in 9000M2 I/O control output, optional C-001T module or Q-RM9012PS
- Wall-mount bracket included
- Supplied with AD-246 AC Adapter


## ZM-9012

Assignable Volume Controller

- Fits standard 1-gang electrical box
- Multi-segment LED indicator provides visual volume level status
- Rotary encoder can be assigned to control any input or output volume
- Multiple input or outputs may be "ganged" for master volume control
- Supplied matching decor plate
- Requires RC-001T


## ZM-9001

Remote Panel

- Six buttons to activate preset selection or volume up/down
- Wiring: one pair to chassis remote volume terminals
- Max. Ioop resistance: 100 ohms (3000 ft. 22AWG)
- Fits one gang electrical box
- Maximum one ZM-9001/ZM-9002/ZM-90003 per remote volume terminal (2 terminals per chassis)


## ZM-9013

Assignable Remote Button Panel

- Fits in a standard 2-gang electrical box
- Eight assignable buttons each with LED status indicator
- Controls Xpoint settings (on/off, select), paging activation, scene and relay activation
- Supplied matching decor plate
- Requires RC-001T



## ZM-9002

Remote Panel

- Volume control knob
- Wiring: one pair to chassis remote volume terminals
- Max. loop resistance: 100 ohms (3000 ft. 22AWG)
- Four push buttons to activate preset selection or volume up/down
- Fits one gang electrical box
- Maximum one ZM-9001/ZM-9002/ZM-90003 per remote volume terminal (2 terminals per chassis)


## ZM-9014

Assignable Remote Button Panel with Volume Control

- Fits in a standard 2-gang electrical box
- Four assignable buttons each with LED status indicator
- Controls Xpoint settings (on/off, select), paging activation, scene and relay activation
- Assignable ID rotary adjustment on box
- Supplied matching decor plate
- Requires RC-001T


## ZM-9003

## Contact Closure Remote

- Fits in a standard 2-gang electrical box
- Two momentary buttons and four latching buttons
- Requires C-001T for full functionality
- May be assigned to control program change, volume up/down, channel on/mute, emergency mute, power and paging prohibit function
- Maximum one ZM-9001/ZM-9002/ZM-90003 per remote volume terminal (2 terminals per chassis)



## 9000M2 Paging Applications

Corporate Office


## Retail



## 9000M2 Music Distribution Applications

## Restuarant



## Fitness Club



## KITOA

