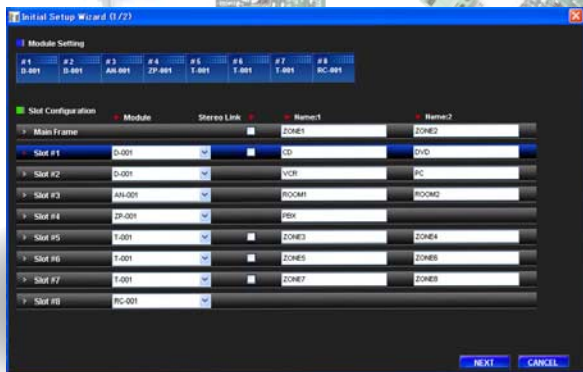


M-9000M2 GUI

Detailed screens make even complex setting



Initial Setup Wizards

Module Configuration Settings

Displays possible selections according to module insertion rules, ensuring correct system configuration.

Input & Output Channel Name Settings

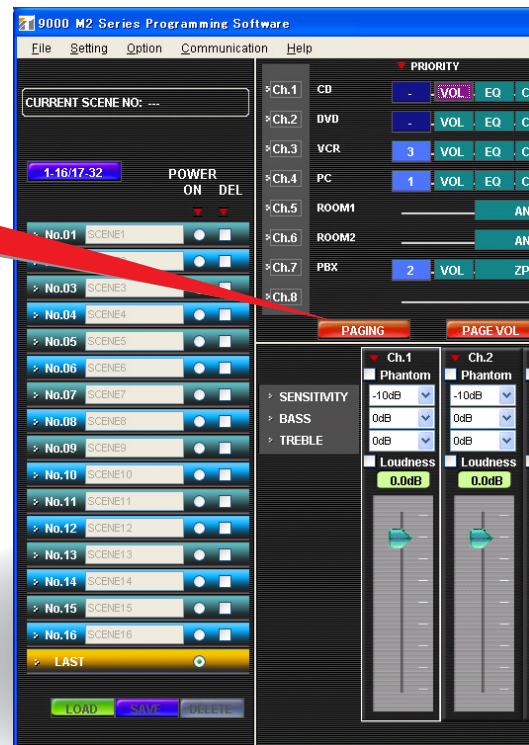
The names set using these screens are carried over into subsequent remote controller and paging configuration screens, streamlining the setting process.



Paging Settings

Set 3-level prioritized paging for each activation trigger (up to 32)

To handle multiple simultaneous paging calls with the same priority level, the system can be set for "FIFO" (first in, first out), "LIFO" (last in, first out), or "MIX" (mixing). This allows paging settings to handle situations requiring sophisticated priority orders. It is also possible to make settings that cause a contact to be closed with the initiation of each page, a feature that can be used to illuminate a strobe, call up a CCTV camera's preset positions, or enable audio or video recording via external equipment. Additionally, the optional S-20S Sound Repeater Module allows different messages to be broadcast corresponding to individual triggered outputs.



MODULES

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 (nine levels, -60 to -10 dBV)
- Phantom Power (24 VDC)
- Removable Terminal Block
- Maximum four per chassis
- Required for VOX function and input metering



D-001R

Line Input Module with DSP

- Two RCA phone inputs per channel provides stereo summing
- Digital Signal Processing
 - 10-Band Parametric EQ
 - Bass / Treble
 - Loudness
 - High and Low Pass Filters
 - Compressor



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
- Two inputs with +24VDC phantom power for condenser mics
- 14 preset gain ratios
- Accessory sensing microphone available, model AN-9001
- Maximum two per chassis



ZP-001T

Telephone Zone Paging Module

- Telephone Paging to up to eight zones
- Uses DTMF dialing to access outputs
- Dial up to eight output zones in one operation
- Analog extension or page port control
- Page port operation requires contact
- RJ-11 Telephone Jack and Removal
- Maximum one per chassis



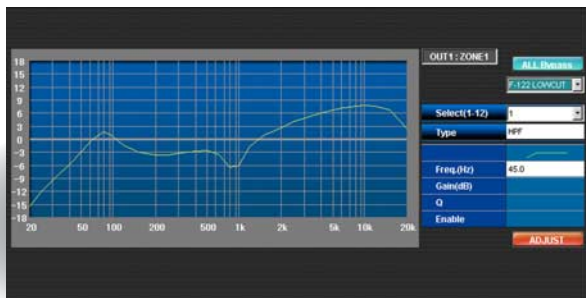
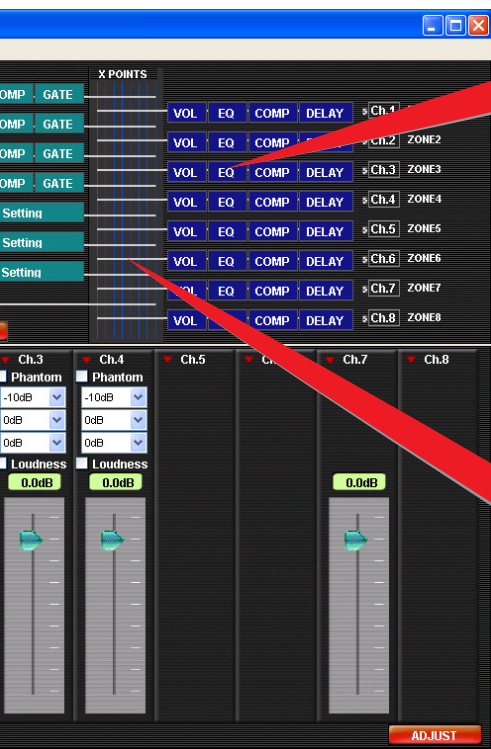
is intuitive and easy to understand



Remote Controller Settings

Easy pull-down menu facilitates complex settings!

The remote controller buttons can be used to switch scene memory, turn output sources on or off, and control the start and stop of paging. The output source on/off function includes Simultaneous Mode, which allows simultaneous output from multiple sources, and Exclusive Mode, which allows selection of only one output source. Knobs on the remote controller adjust the volume for the selected input-output channels.



EQ Settings

Select from 3 types: LPF, HPF and PEQ. Up to 12 filters can be applied to each input-output channel

TOA's Speaker preset EQ is visible in graphic display

Use the Adjust button to change and check the effects of EQ settings on the fly. Use the Enable check boxes to deactivate filters without erasing their settings. Use the All Bypass button to disable all filters at once. Using these in conjunction with the Adjust button allows EQ effects to be compared efficiently.

Cross Point Settings

Up to 32 preprogrammed broadcast patterns that switch according to each scene can be stored in the scene memory.



T-001T

Dual Line Output Expansion Module with DSP

- Two Balanced Line Outputs
- Digital Signal Processing
 - 10-Band Parametric EQ
 - Bass / Treble • Loudness
 - High and Low Pass Filters • Compressor
- TOA speaker EQ presets
- Removable Terminal Block
- Maximum three per chassis



C-001T

Input/Output Control Module

- Eight assignable control inputs for activating Event, Volume Up/Down, Mute, Power On/Off, Emergency Mute or Sync On/Off
- Eight assignable control outputs for activating external relays
- Removable Terminal Block
- Maximum one per chassis



RC-001T

RS-485 Control Modules

- Allows use of up to 16 RS-485 remote control panels
- Bi-directional RS-485 communication provides control and status feedback display for each remote function
- Dual ports allows independent home runs for up to 8 modules each
- 24V DC power adapter (optional AD-246) required for each 1 port used
- May be used in any control option slot on 9000M2 mainframe in addition to a C-001T when spare slots are available



SPECIFICATIONS

Power Source	AC Mains, 50/60Hz
Power Consumption	40W
Audio Input	Max. 8 channels, modular construction (modules optional)
Audio Output	Preamplifier output 1, 2: 0dB*, 600Ω, balanced, removable terminal block (3 pins)
Modul Slot	Analog input (slot 1 - 8): -10dB*, 10kΩ, unbalanced Digital input (slot 1 - 4): 24 bit/48kHz MIX output (slot 1 - 8): -14dB*, 330Ω (CH 1 prefader output), unbalanced Digital output (slot 5 - 7): 24 bit/48kHz Power supply (slot 1 - 8): +24V, -24V, +6V DC
Frequency Response	20Hz - 20kHz +1, -3dB
Total Harmonic Distortion	0.008% (@22kHz LPF, 1kHz, +10 dB* output)
S/N Ratio	At input short, 20Hz - 20kHz, ALL FLAT or OFF setting Output volume min.: 90dB Output volume max.: 61dB (input 1 vol.: 0dB, other inputs: OFF)
Crosstalk	64dB or more (at 20kHz)
Tone Control	Bass: +/-12dB (at 100Hz), Treble: +/-12dB (at 10kHz)
Parametric EQ	10 bands, Freq: 20Hz - 20kHz, 31 points, Variable range: +/- 12dB, Q: 0.3 - 5
Speaker Equalizer	10 (setup software has 30 TOA speaker presets)
High-pass Filter	-12dB/oct, Variable frequency range: 20Hz - 20kHz, 31 steps
Low-pass Filter	-12dB/oct, Variable frequency range: 20Hz - 20kHz, 31 steps
Compressor	Depth: 1 - 5
Delay	0 - 40 ms (1 ms steps), maximum 40 ms (CH1 + CH2)
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: 3.3V DC, short-circuit current: 1mA or less, removable terminal block (14 pins) Control output: 4 outputs, open collector output, withstand voltage: 27V DC, control current: 50mA, removable terminal block (14 pins) Remote volume: 2 channels, connect a 10kΩ/linear taper variable resistor or input the DC voltage of 0 to 10V, removable terminal block (14 pins)
Operating Temperature	-10° to 40°C (14° to 104°F)
Operating Humidity	35% to 80% RH (no condensation)
Finish	Panel: aluminum, hair-line, black; Case: surface-treated steel plate, black paint
Dimensions (W × H × D)	420 × 107.6 × 353mm (16.54" × 4.24" × 13.9")
Weight	6 kg (13.23 lbs.)

*0dB = 1V

*2 Allowing it to be controlled by a control system such as AMX and Crestron through RS-232C port.

ACCESSORIES

ZM-9001

Remote Panel

- Six assignable buttons to activate preset selection or volume up/down
- Operates on Remote Volume Control terminal on the 9000M2 back panel



ZM-9002

Remote Panel

- Four assignable buttons to activate preset selection or volume up/down
- Variable knob to control volume
- Operates on Remote Volume Control terminal on the 9000M2 back panel



ZM-9003

Remote Panel

- Works with contact inputs on 9000M2 mainframe and on C-001T
- Six buttons - 4 locking with label strips and two momentary buttons - may be assigned to control program change, volume up/down, channel on/mute, emergency mute, power and paging prohibit function.



ZM-9011

Remote Control Panel

- Four assignable buttons each with LED status indicator can control Xpoint settings (on/off, select), paging activation, scene and relay activation
- Assignable ID rotary adjustment on box



ZM-9012

Remote Control Panel

- Rotary Encoder can be assigned to control any input or output volume
- Multiple input or outputs may be "ganged" for Master volume terminals
- Multi-segment LED indicator provides visual volume level status



ZM-9013

Remote Control Panel

- Eight assignable buttons each with LED status indicator can control Xpoint settings (on/off, select), paging activation, scene and relay activation
- Assignable ID rotary adjustment on box



ZM-9014

Remote Control Panel

- Four assignable buttons each with LED status indicator can control Xpoint settings (on/off, select), paging activation, scene and relay activation
- Assignable ID rotary adjustment on box



AN-9001

Ambient Noise Sensing Microphone

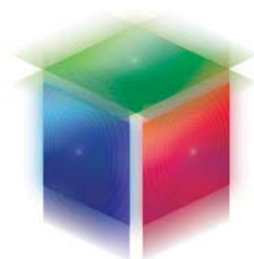
- Ceiling or wall-mount condenser microphone
- Fits one gang electrical box
- Use with AN-001T module



SS-9001

Speaker Selector

- Switch up to four speaker lines on one amplifier output
- Two amplifier inputs for Paging/BGM applications
- Wall-mount bracket included
- Requires optional 24VDC power supply, model AD-246



Human Society with
Sound & Communication

TOA Corporation
www.toa.jp

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