TOA

M-864D
DIGITAL STEREO MIXER



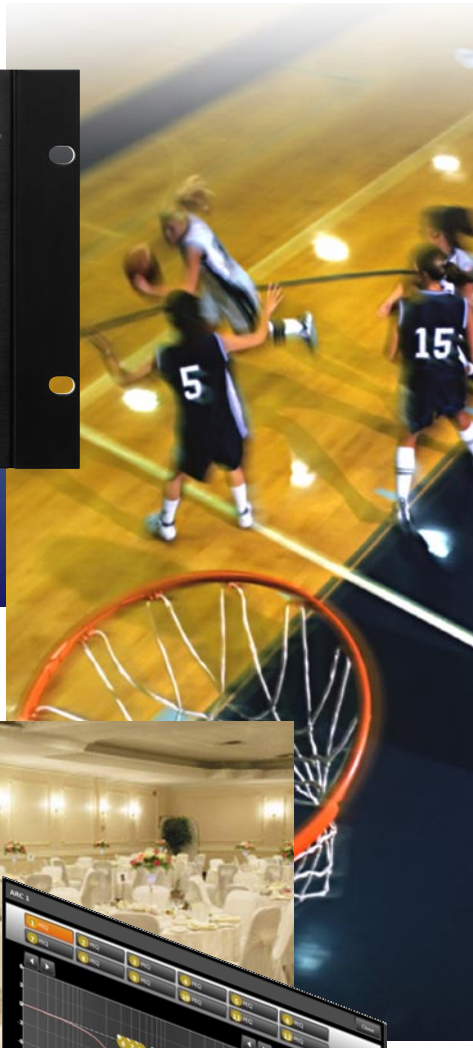
A Fader-type Digital Stereo Mixer
for Multi-Purpose Venues
Permitting Analog-feel Parameter Setting
As Well As PC or LAN Operation

TOA's proprietary digital technolog adjustment for events of all kinds.

TOA's new M-864D digital stereo mixer maintains the basic functionality and operability of its predecessor, the M-633D, but adds such versatile features as analog-feel fader operation, 22 input channels, remote controller operation and fine-tuning of settings with GUI software. With its release, TOA has made the clear sound achieved by its proprietary resonance control technology available for use in hotel banquet rooms, multipurpose halls and other facilities that host events of various types.



Digital Stereo Mixer M-864D



Optimal sound control features

- Automatic Resonance Control (ARC) measurement and processing algorithm that optimizes speech and sound clarity for individual acoustic environments
- Feedback Suppressor (FBS) function that eliminates feedback caused by carrying the microphone from place to place
- Automatic stereo input mute (Auto Mute or Ducker) function that mutes stereo input automatically when detecting a monaural control signal



Easy, convenient operation functions

- Analog-feel fine-tuning by slider control
- Front-mounted stereo input allows connection of digital audio player
- Preset memory enabling operators to store user-specified settings in response to specific needs
- Optional remote control panels (ZM-9011/9012/9013/9014) permitting convenient remote operation and featuring an assign function supporting assignment of such settings as volume control, channel ON/OFF, matrix switching and preset memory recall to specified buttons.

Response to exacting user requirements

- Dedicated GUI software facilitating higher-precision parameter setting adjustment on PC via Ethernet LAN

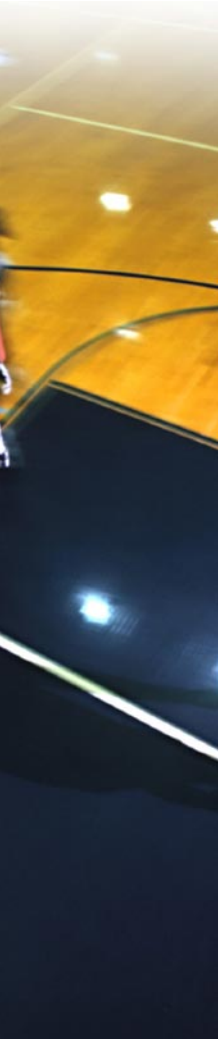


Flexible configuration choices

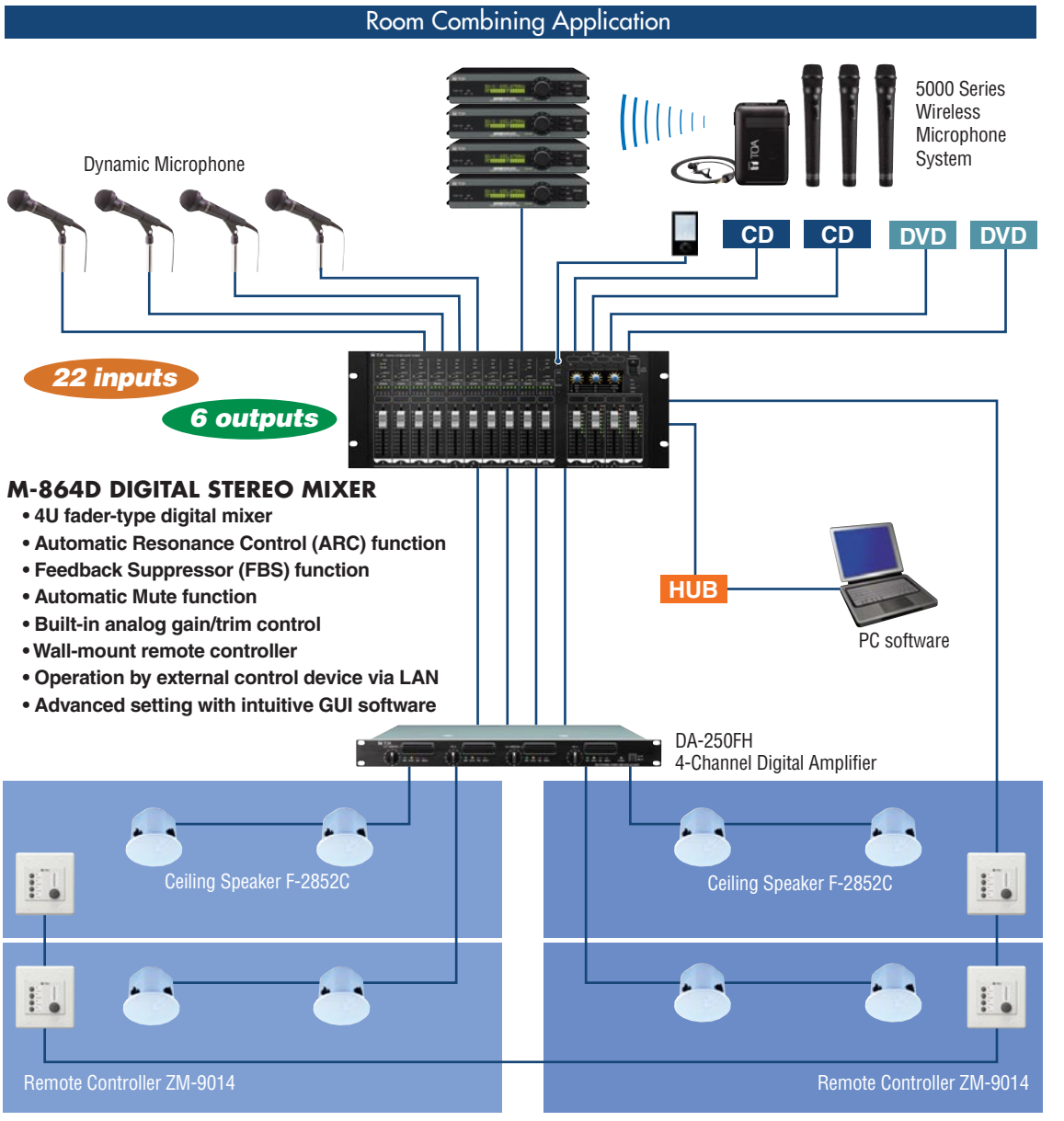
- Stand-alone installation (4U rack-mountable)
- Connection of up to five M-864D mixers with 22 input and 6 output channels per unit
- Finer speaker setting possible when used in combination with optional Digital Speaker Processor DP-SP3



ies enable optimal sound quality



Room Combining Application



M-864D DIGITAL STEREO MIXER

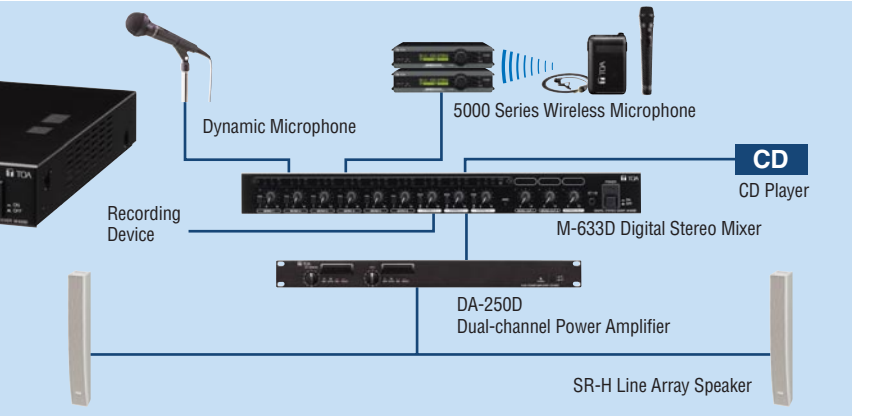
- 4U fader-type digital mixer
- Automatic Resonance Control (ARC) function
- Feedback Suppressor (FBS) function
- Automatic Mute function
- Built-in analog gain/trim control
- Wall-mount remote controller
- Operation by external control device via LAN
- Advanced setting with intuitive GUI software

For those who require superior sound quality with easy, one-touch operation in a single-purpose venue



M-633D DIGITAL STEREO MIXER

- Compact 1U size
- Automatic Resonance Control (ARC) function
- Feedback Suppressor (FBS) function
- Automatic Clipguard (ACG) function
- Automatic Mute function



SPECIFICATIONS

	M-864D Digital Stereo Mixer
Frequency Response	20Hz – 20kHz
Sampling Frequency	48kHz
Dynamic Range	100dB or more (IHF-A weighted)
Distortion	0.03% or less, 1kHz, +4dB* input/output, 20Hz – 20kHz BPF
Crosstalk	-80dB or less, 1kHz
Input	8 monaural input channels, removable terminal block (3P) Phantom power (+24V DC, 10mA, ON/OFF switchable for each channel) Gain setting (settable for each channel) 7 stereo input (L, R) channels (1-A, 1-B, 1-C, 2-A, 2-B, 2-C, front mounted input) RCA jack (stereo mini jack provided on the front panel) : -10dB* (max. +10dB*), 10kΩ Trim gain for each individual channel: -∞ to 0dB (except front mounted input)
Output	4 output channels, +4dB* (max. +24dB*), applicable load 600Ω or more, electronically-balanced, removable terminal block (3P) 1 recording output (L, R) channel: -10dB* (max. +10dB*), applicable load 1kΩ or more, RCA jack Gain is adjustable
Contact Input	8 channels, open voltage: 24V DC, short-circuit current: 5mA, removable terminal block (10P)
Contact Output	8 channels, no-voltage make contact, contactcapacity: 24V DC/100mA, removable terminal block (10P)
Remote Control Panel	2 channels, Maximum number of units: 8 units per channel 24V DC input x 2, termination ON/OFF switch x 1, removable terminal block (10P) Type of cable: Shielded CPEV cable (a pair of data cable and a pair of power supply cable) or shielded Cat 5 twisted pair cable for LAN (CAT5-STP)
Network	Network I/F: 1 channel of 10BASE-TX (auto-negotiation), RJ45 connector, connection via switching hub Network protocol: TCP/IP Connection cable: Shielded Cat. 5 or higher twisted pair cable for LAN (CAT5-STP or better) Maximum cable length: 100m (between M-864D and switching hub)
Preset Memory	16
Signal Processing	Automatic Resonance Control (ARC) Function Feedback Suppressor Function Filter: 8 channels (each monaural input channel), high-pass filter: 20Hz – 20kHz Tone Controller: BASS, MID, TREBLE Parametric Equalizer: 20Hz – 20kHz, ±15dB, 4 channels (each output channel) Matrix: 12 × 4 Crosspoint Gain: -∞ to 0dB in 1dB steps Auto Mute Function
Function	Input PAD control, Low cut control, Analog output attenuator control, Front panel operation lock function, Stereo summing function, Function setting panel
Front Panel Section	Input Level Indicator, Output Level Indicator, ARC Measuring Start Switch: ON/OFF switch, Feedback Suppressor (FBS) Function: ON/OFF switch, Low Cut: ON/OFF switch, Stereo Summing: ON/OFF switch Tone Control: BASS/MID/TRWBLE, Monaural Input, Analog Setting: Gain setting, PAD ON/OFF, Phantom power ON/OFF Stereo Input, Analog Setting: Trim setting, REC OUT gain setting, Preset Memory switch, Front Panel Operation Lock switch, Operation Status Indication, Analog Volume Fader
Option	Remote control panel: ZM-9011/9012/9013/9014, AC adapter: AD-246

*0dB = 0.775V

Personal Computer Requirements

Requirements	CPU: Pentium 4, 2GHz or faster/ Memory: 1.5GB or more (2GB recommended) Display: 1024 × 768 resolution or higher Free hard Disk Space: 16MB or more. however 600MB or more is required for the 32-bit version or 1.5GB or more for the 64-bit version when "NET Framework" is not yet installed Optical Driver: CD-ROM drive, Network Adapter: 10BASE-T or faster connection
OS	Windows XP SP3 or later, Windows Vista (32/64-it) SP1 or later, Windows 7 (32/64-it edition)
Required Component	NET Framework 4 Client Profile

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Frequency Response	20Hz – 20kHz
Sampling Frequency	48kHz
Dynamic Range	90dB or more (IHF-A weighted)
Distortion	0.03% or less, 1kHz, -10dB* input, 0dB* output (20Hz – 20kHz BPF)
Input	6 monaural input channels (MONO IN 1 – 6), selectable independently from 3 types of inputs below for each channel LINE : -10dB*, 2.4kΩ MIC : -46dB*, 2.4kΩ PHANTOM : -46dB*, 2.4kΩ supplies phantom power of +24V DC, 10mA electronically balanced Removable terminal block (3 pins), phone jack 3 stereo inputs (L, R) (STEREO IN 1 - 3) -10dB*/10kΩ, RCA jack (STEREO IN 1 - 3), Stereo mini jack (ST IN 1)
Output	2 monaural output channels (MONO OUT 1, 2), 0dB* (applicable load: 1kΩ or more), electronically balanced, removable terminal block (3 pins) 1 stereo output (L, R) channels (ST OUT L, R) 0dB* (applicable load: 1kΩ or more), electronically balanced, removable terminal block (3 pins) 1 stereo recording output (L, R) channels (ST OUT L, R) -10dB* (applicable load: 1kΩ or more), RCA jack
Bus Line	Monaural channel × 2, Stereo channel × 1
Signal Processing	Automatic Resonance Control (ARC) Function, Feedback Suppressor Function, Automatic Clipguard Function, Automatic Mute Function

*0dB = 1V

Optional Remote Control Panels



ZM-9011 **ZM-9012** **ZM-9013** **ZM-9014**

Human Society with Sound & Communication

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Specifications are subject to change without notice.
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