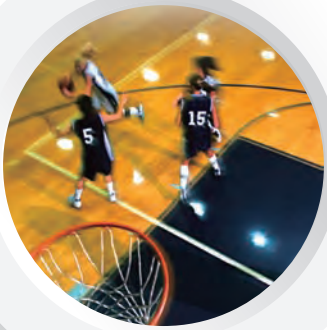
TOA

M-864D

Digital Stereo Mixer



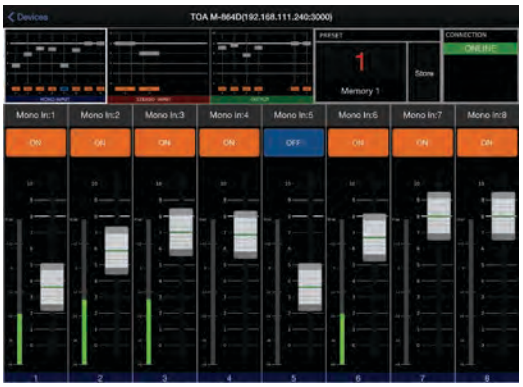
A Fader-type Digital Stereo Mixer for Multi-Purpose Venues Permitting Analog-feel Parameter Setting As Well As PC or LAN Operation

M-864D Digital Stereo Mixer

The M-864D is a user friendly rack-mountable digital stereo mixer suitable as a stage manager's mixer in performance venues or as a main mixer for educational or boardroom use. Three user interfaces are available- Front Panel operation, PC control by a Windows PC, or iPad control for a simplified interface. The M-864D accepts TOA 9000 series RS-485 remote controls, contact closure inputs and outputs to trigger presets, etc. and TCP/IP control, making it especially useful in projects that include room combining. Eight mic/line inputs and two groups of three stereo line level inputs are routable to any output by the onboard matrix. DSP includes Feedback Reduction, Automatic Resonance Control, and parametric equalization. Front panel controls may be disabled in software as required.

M-864D GUI Software
for PC or Microsoft Surface

M-864D App for iPad



Optional Remote Control Modules

Assignable Remote Button Panel
ZM-9011

- Fits in a standard single-gang electrical box
- Four assignable buttons each with LED status indicator can control Xpoint settings (on/off, select), paging activation, scene and relay activation
- Supplied matching decor plate
- Up to sixteen remotes on two busses (Requires one AD-246 per buss)

Assignable Volume Controller
ZM-9012

- Fits standard single-gang electrical box
- Rotary encoder can be assigned to control any input or output. Inputs and outputs may be grouped as required
- Multi-segment LED indicator provides visual volume level status
- Supplied matching decor plate
- Up to sixteen remotes on two busses (Requires one AD-246 per buss)

Assignable Remote Button Panel
ZM-9013

- Fits in a standard dual-gang electrical box
- Eight assignable buttons each with LED status indicator can control Xpoint settings (on/off, select), paging activation, scene and relay activation
- Supplied matching decor plate
- Up to sixteen remotes on two busses (Requires one AD-246 per buss)

Assignable Remote Button Panel w/Volume Control
ZM-9014

- Fits in a standard dual-gang electrical box
- Four assignable buttons each with LED status indicator can control Xpoint settings (on/off, select), paging activation, scene and relay activation, volume for any input or output plus all functions of the ZM-9012
- Supplied matching decor plate
- Up to sixteen remotes on two busses (Requires one AD-246 per buss)

Specifications

*0dB = 0.775V

	M-864D Digital Stero 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 per channel) 7 stereo input (L, R) channels (1-A, 1-B, 1-C, 2-A, 2-B, 2-C, front mounted input) RCA jack (3.5 stereo mini jack provided on the front panel): -10dB* (max. +10dB*), 10k; Trim gain for each individual channel: -∞ to 0dB (except front mounted input)
Output	4 output channels, +4dB* (max. +24dB*), applicable load 600 or more, electronically-balanced, removable terminal block (3P) 1 recording output (L, R) channel: -10dB* (max. +10dB*), applicable load 1k 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 (16 per unit) 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-T/100BASE-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 (for each monaural input channel), high-pass filter: 20Hz – 20kHz Tone Controller: BASS, MID-PARAMETRIC, TREBLE Parametric Equalizer: 20Hz – 20kHz, +/-15dB, 4 channels (each output channel) Matrix: 12 x 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	Wall-mount remote controlsl: ZM-9011/9012/9013/9014, AC adapter: AD-246 (one required per remote port)
Personal Computer Requirements	
Requirements	CPU: Pentium 4, 2GHz or faster/ Memory: 1.5GB or more (2GB recommended) Display: 1024 x 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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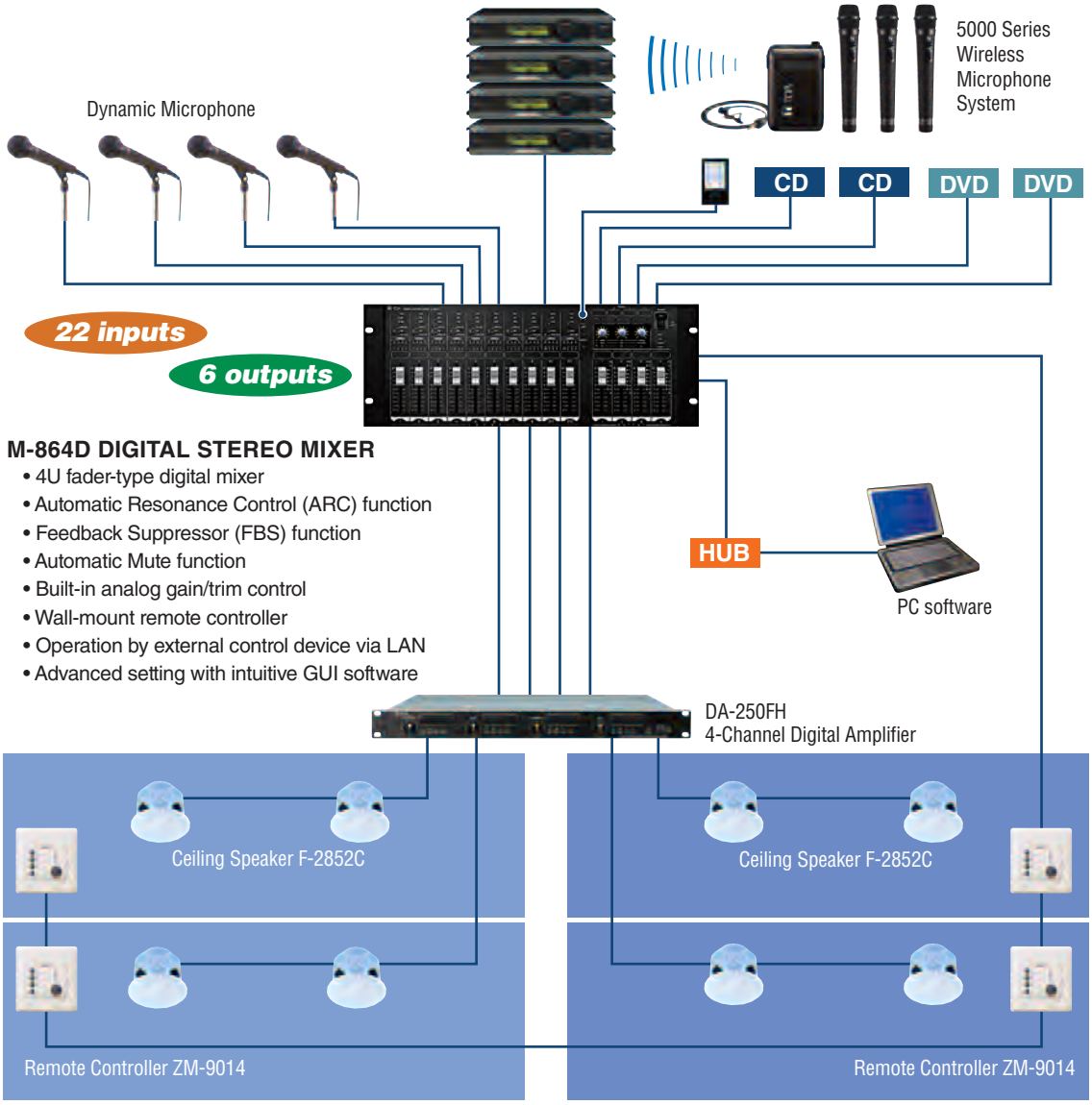
Specifications

	ZM-9011 Assignable Remote Button Panel	**ZM-9012 Assignable Volume Controller**	**ZM-9013 Assignable Remote Button Panel**	**ZM-9014 Assignable Remote Button Panel w/Volume Control**
Power Source	24 V DC (supplied from M-864D)			
Current Consumption	50 mA or less			
Terminal	Removable terminal block (10 pins)			
Connection Cable	Shielded CPEV cable (paired data line and paired power line) or Category 5 twisted pair cable for LAN (CAT5-STP)			
Operating Section	4 function buttons	1 volume control	8 function buttons	4 function buttons, 1 volume control
Indicator	4 function indicators (green LEDs)	Level indicator (green LED) array	8 function indicators (green LEDs)	4 function indicators (green LEDs), Level indicator (green LED) array
Operating Temperature	0°C to +40°C / 32°F to 104°F			
Operating Humidity	35 % to 80 %RH (no condensation)			
Finish	Surface-treated steel plate, white, paint			
Dimensions	72 (W) X 127 (H) X 49.5 (D) mm 2.83" X 5" X 1.95"	72 (W) X 127 (H) X 57.5 (D) mm 2.83" x 5" X 2.26"	120 (W) X 127 (H) X 50.5 (D) mm 4.72" X 5" X 1.99"	120 (W) x 127 (H) x 58.5 (D) mm 4.72" x 5" x 2.3"
Weight	160 g / 0.35 lb		300 g / 0.66 lb	
Included Accessories	Box mounting screw (No.6-32UNC X 30) x 2, Box mounting screw (M4 x 30) x 2, Panel mounting screw x 2, Removable terminal plug (10 pins) x 1		Box mounting screw (No.6-32UNC x 30) x 4, Box mounting screw (M4 X 30) x 4, Panel mounting screw x 4, Removable terminal plug (10 pins) x 1	

Note: No electrical box is supplied with the unit, obtain it separately.

Room Combining Application



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Specifications are subject to change without notice.
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