



Recommended by

دائرة الشؤون الإسلامية والعمل الخيري - حكومة دبي
GOVERNMENT OF DUBAI - Islamic Affairs & Charitable Activities Department



Mosque
sound
made simple

Pray with faith.

MX-6224D

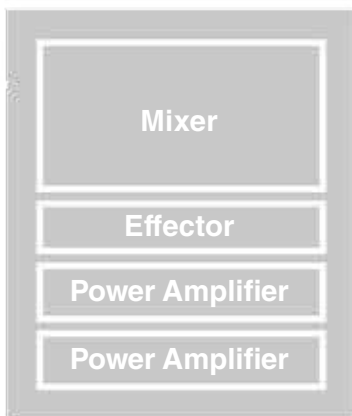
Digital Mixer Amplifier



Mosque sound made simple

Pray with faith.

All in One Compact



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Digital Mixer Amplifier
MX-6224D

Introducing the **MX-6224D**, the latest digital mixer amplifier designed specifically for mosques. The **MX-6224D** incorporates a DSP function and 2 x 240W class-D amplifiers. An optional remote controller is also available, making it simple and easy to use. The **MX-6224D** is the perfect choice for your mosque.



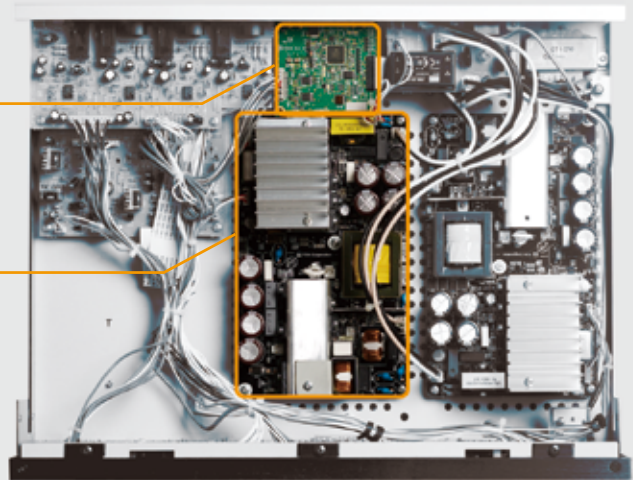
Key Features

Superior Sound **QUALITY**

Built-in digital amplifier module + DSP module, designed with state-of-the-art TOA technology.

DSP module

Digital amplifier module



Inside the MX-6224D

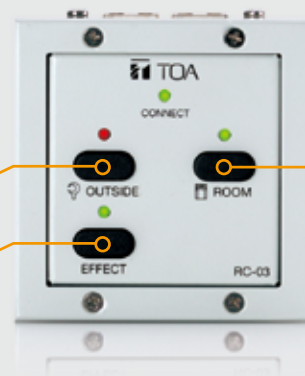
EASY Operation

Simple design, compact size.
Plus remote controller for easy operation.

Azan

Effect on/off

Salat / Khutbah

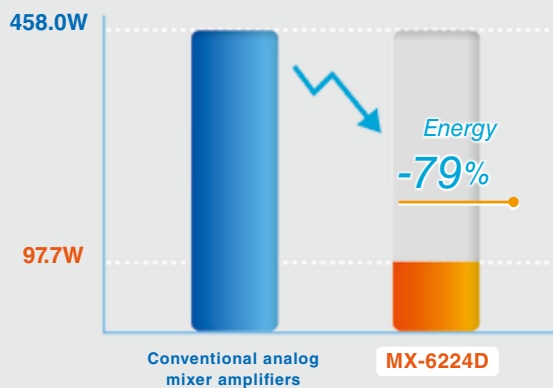


RC-03 Remote Controller

ECO-FRIENDLY Performance

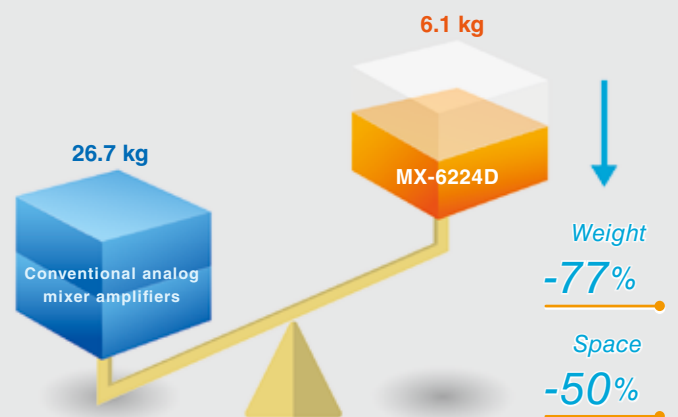
Energy-Efficient

Uses considerably less power.



Light and Compact

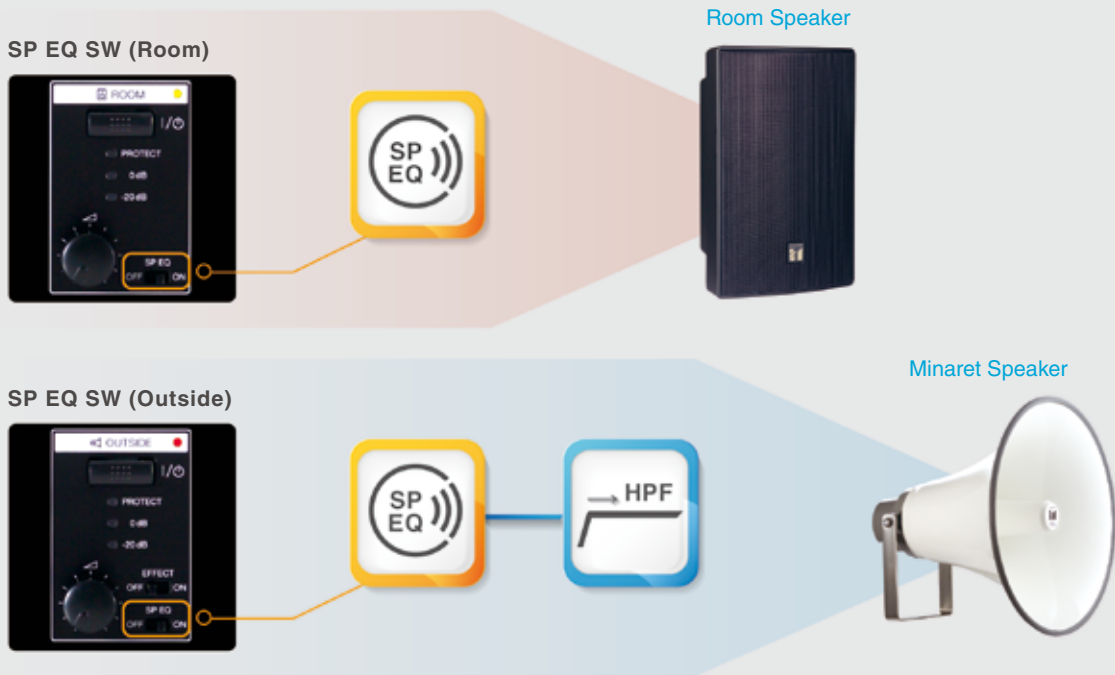
Easy to carry and install.



Note: Compared to TOA A-1724 and P-2240 models.

SAFE, Reliable System

Built-in speaker EQ optimized for TOA's TC Series Horn Speaker and BS-1030 Universal Speaker reduces acoustic feedback and ensures voices are more intelligible. Furthermore, loudspeakers for outside are less vulnerable to damage, thanks to the high-pass filter.



Front

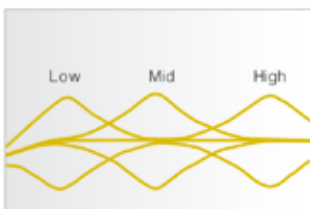
Digital effects can also be applied to azan.

Connectable to an external audio player



3-band EQ effective for all microphone inputs

Reduces acoustic feedback easily.

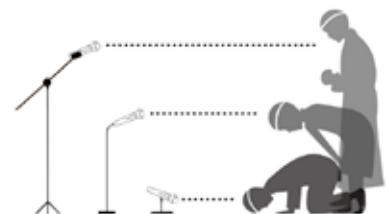


Digital effects for microphone inputs

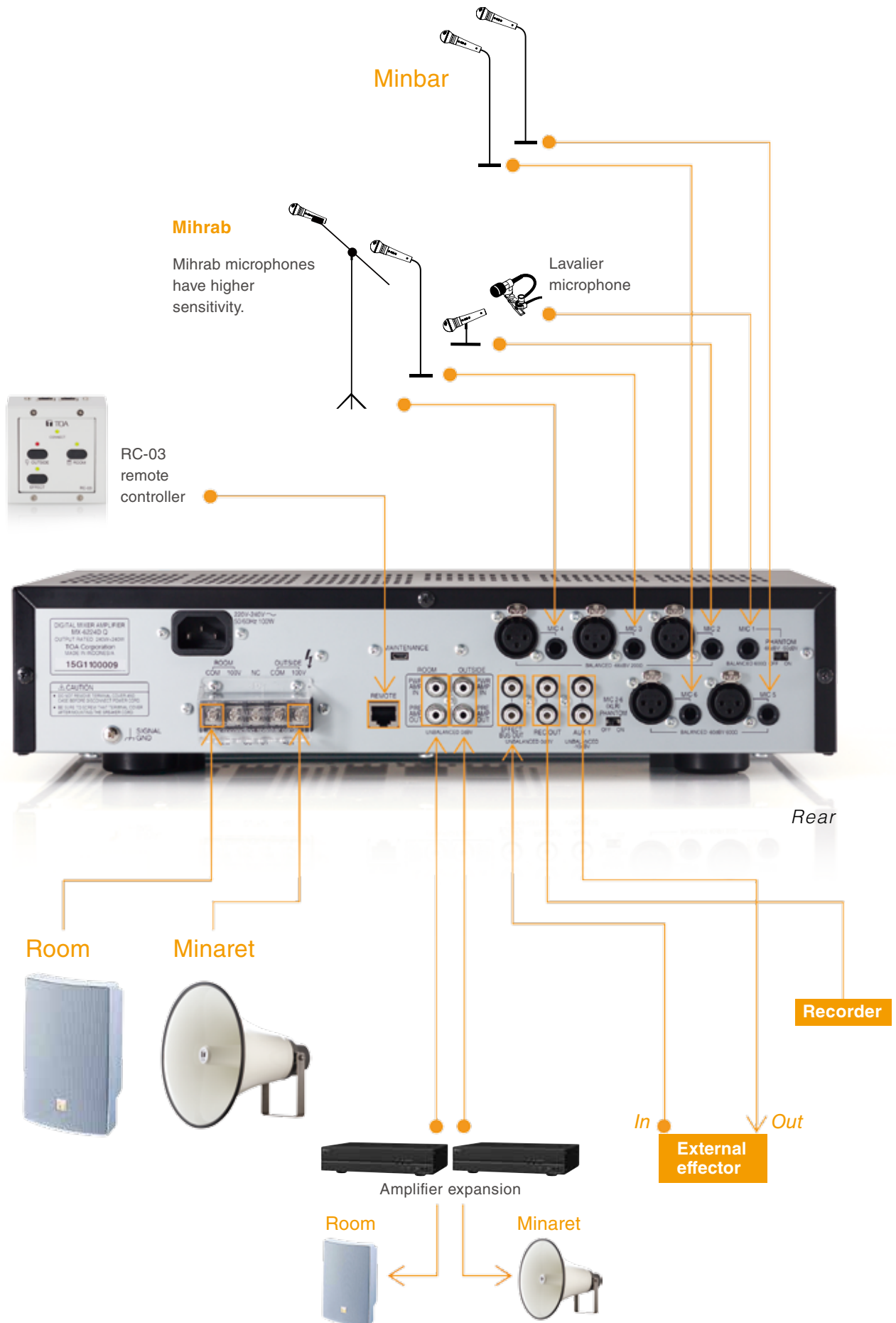
Built-in effector realizes celestial sound even in small mosques. Selectable reverberation out of 12 patterns.

Optimal microphone sensitivity

Microphone sensitivity corresponds to the distance between the microphone and the imam.



Connection



Options

Microphones



DM-1300 Unidirectional Microphone

Dynamic, cost-effective performance.



DM-1500 Unidirectional Microphone

Dynamic, rigidly constructed, and minimal handling noise.



EM-410 Lavalier Microphone

Electret condenser element with hypercardioid pattern. Works best when attached to the chest area.

Indoor Speakers



BS-1030 B/W Wall-Mount Box Speakers

high (100V) impedance with 30W of rated output. Easy to install with included bracket. Comes in black (B) or white (W).

Outdoor Speakers



TC Series Reflex Horn Speaker

High durability, heat-resistance, and improved low frequency, thanks to polyamide diaphragm and weatherproof materials.

TC-615M (15W / 100V)
TC-631M (30W / 100V)
TC-651M (50W / 100V)



TU-631M/651M



TU-660M

TH Series Reflex Horns

Shock-resistant aluminum round horn. Superb weatherproofing and corrosion-resistance thanks to the external stainless steel hardware and powder-coated horn and bracket.

TH-650 / 660 Reflex Horns

TU Series Driver Units

Designed to be used in combination with TOA's TH-650 or TH-660 Reflex Horns.

TU-631M (30W / 100V) Driver Unit
TU-651M (50W / 100V) Driver Unit
TU-660M (60W / 100V) Driver Unit

Specifications

MX-6224D Digital Mixer Amplifier

Power Source	220 V – 240 V AC, 50/60 Hz
Power Output	240 W x 2 channels (100 V, 42 Ω, rated output)
Power Consumption	100 W (according to IEC60065), 570 W (at rated output, both channels)
Amplification System	Class D, Output transformerless galvanic isolated output
Frequency Response	50 Hz – 20 kHz, ±3 dB (at 1/3 rated output, rated load, from power amplifier input)
Distortion	1% or less THD (at 1 kHz, 1/3 rated output power)
Input	MIC 1: –50 dB* (24 V phantom powered)/ –60 dB* (phantom power OFF) 600 Ω, electronically balanced, ø6.3 mm phone jack MIC 2 – 4: –66 dB*, 200 Ω, electronically balanced, XLR-3-31 type and ø6.3 mm phone jack (either one usable) MIC 5 – 6: –60 dB*, 600 Ω, electronically balanced, XLR-3-31 type and ø6.3 mm phone jack (either one usable) AUX 1: –10 dB*, 10 kΩ mixed monaural, unbalanced, RCA pin jacks (1 pair) AUX 2: –20 dB*, 10 kΩ mixed monaural, unbalanced, ø3.5 mm mini jack (3P: stereo) Power amplifier input: 0 dB*, 10 kΩ, unbalanced, RCA pin jacks (1 each for ROOM and OUTSIDE outputs)
Output	Speaker output: 2 zones, 100 V (42 Ω), galvanic isolated balanced, M4 screw terminal Recording output: 0 dB*, 600 Ω monaural, unbalanced, RCA pin jacks (1 pair) Effect bus output: 0 dB*, 600 Ω monaural, unbalanced, RCA pin jacks (1 pair) Preamplifier output: 0 dB*, 600 Ω monaural, unbalanced, RCA pin jacks (1 each for ROOM and OUTSIDE outputs)
Phantom Power	ON/OFF switchable for MIC 1 and XLR-3-31 type connectors of MIC 2 – 6
Signal to Noise Ratio	60 dB or more (All volume controls: min.)
Controls	6 Microphone volume controls, 2 AUX volume controls, 1 ROOM output switch, 1 ROOM volume control, 1 OUTSIDE output switch, 1 OUTSIDE volume control, 1 Effect control (0 to 100%) of Effect bus, 1 Effect preset type selection switch (DOME/HALL/PLATE/DELAY), 1 Effect Room size/Delay time selection switch (L/M/S/OFF), 1 Effect output selection switch (OFF/ON), 1 MIC 5 – 6 effect switch, 1 Low EQ control (±15 dB, 80 Hz) for MIC 1 – 6, 1 Mid EQ control (±15 dB, 2.5 kHz) for MIC 1 – 6, 1 High EQ control (±15 dB, 12 kHz) for MIC 1 – 6, 1 Speaker EQ (TC-631M, TC-651M) switch for OUTSIDE output, 1 Speaker EQ (BS-1030B, BS-1030W) switch for ROOM output, 1 Power switch, 1 Phantom switch for MIC 1, 1 Phantom switch for MIC 2 – 6 (XLR-3-31)
Indicators	SLEEP indicator Output Level meters (2 points, –20 dB and 0 dB) for ROOM and OUTSIDE Protection indicators for ROOM and OUTSIDE amplifiers Output indicators for ROOM and OUTSIDE EFFECT indicator for MIC 1 – 6
Ventilation	Natural air cooling
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Humidity	35% to 80% RH (no condensation)
Dimensions	420(W) x 99.8(H) x 360.6(D) mm (16.54" x 3.93" x 14.2")
Installation Method	Desktop mount, Rack mount with mounting bracket MB-25B (option)
Weight	6.1 kg (13.45 lbs.)
Finish	Front Panel: Aluminum, black, alumite Case: Steel plate, black, paint

* 0 dB = 1 V

RC-03 Remote Controller

Equipped with two Ethernet RJ45 ports. Maximum cable length is 200 m (218.72 yd). Can be connected by Category 5 twisted pair cable for LAN.



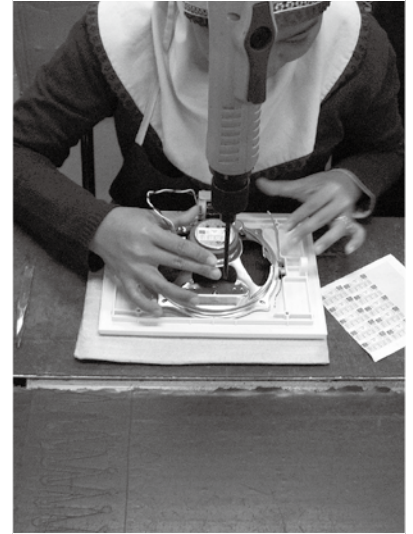
High value of Japanese technology in both Hardware and Software

Quality control on the Factory Floor

TOA uses its very own factories both within Japan and overseas. Numerous engineers from Japan are sent to our overseas production plants to ensure that the state-of-the-art equipment adheres to the same stringent quality control system used in our Japanese production facilities. Furthermore, twice a year members from our Quality Control Division visit overseas production facilities to carry out inspections and make sure that quality standards are being maintained.

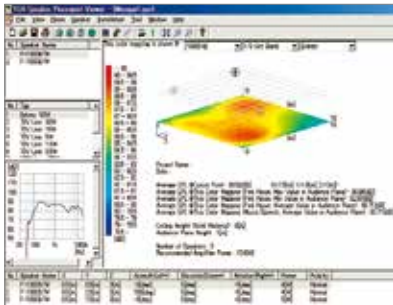
Compliance with Laws and Regulations

TOA is constantly carrying out tests to ensure that products comply with various regulations and standards around the world: safety regulations including UL, CE, CCC, RoHS, WEEE, EN 54, SASO, and REACH; the standards for each country; and ISO 9001. We do this so that consumers have complete peace of mind when using our quality products.



State-of-the-Art Equipment

In order to satisfy the legal requirements and conditions of each country, products must pass a large number of stringent tests. By installing various kinds of testing facilities, such as anechoic/echoic chambers and EMC test chambers, and by carrying out in-house testing, TOA has been able to improve its development efficiency.



TOA Speaker Placement Viewer: Software for Acoustic Simulation

At TOA, we are constantly trying to improve our services and share information with our customers. TOA Speaker Placement Viewer provides an easy way to calculate how many speakers are needed in a room. The software allows virtual placement of TOA Line Array, as well as all TOA Public Address and ProSound speakers.



TOA Corporation
www.toa.jp

Comments from Islamic Affairs & Charitable Activities Department (IACAD)

"IACAD is pleased with results in development of sound system MX-6224D for Mosques from TOA, This partnership yielded a significant development of distinctive sound system for the mosques. This was achieved by dedication of engineers on both sides to add improvements which is the result of experience accumulated over 30 years."

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