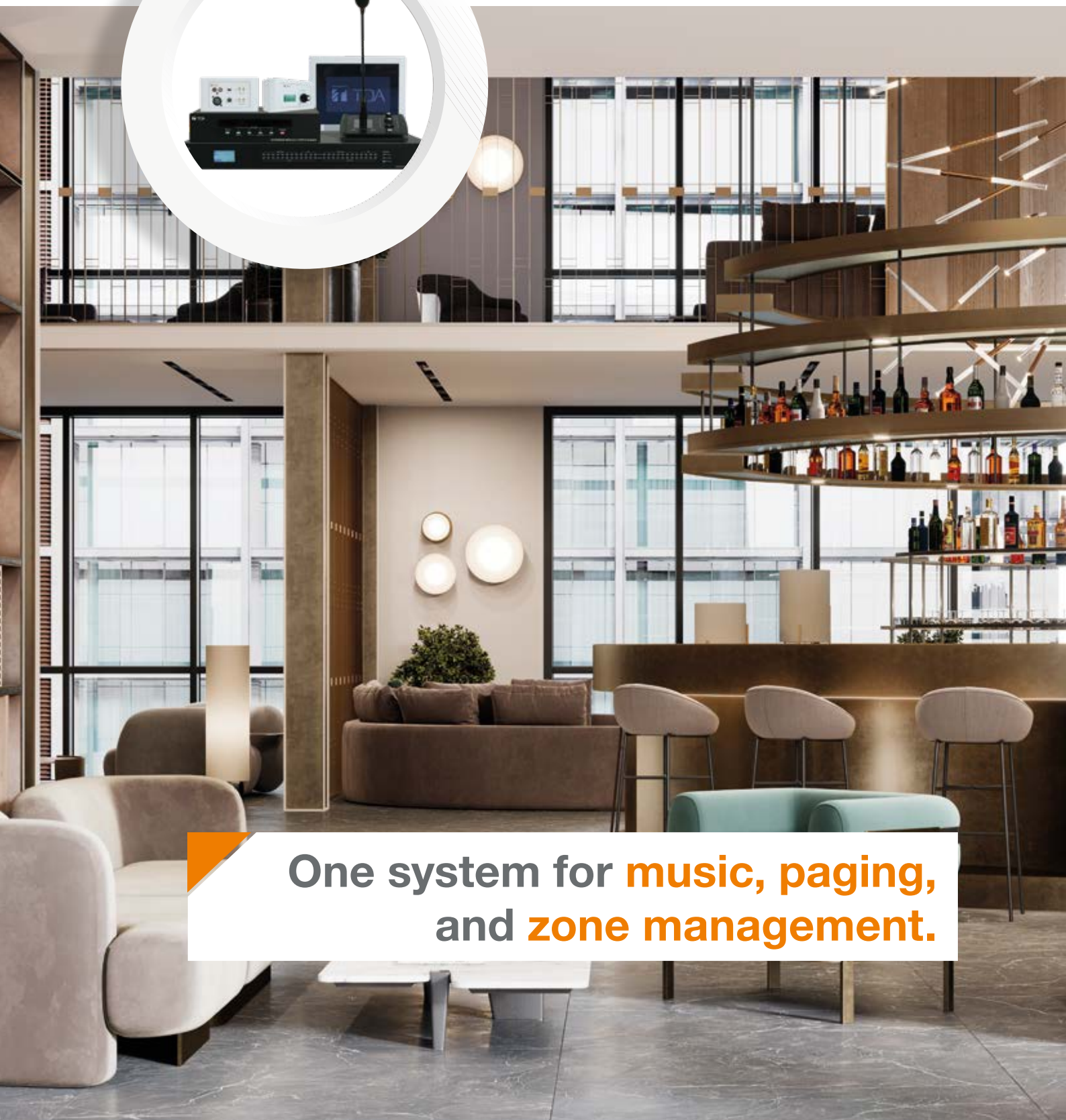
TOA

M-8080D Series

Digital Matrix Mixer System



One system for music, paging, and zone management.

Discreet background music, intelligible announcements, easy handling. Sounds good.

Whether in retail, hospitality or gastronomy, modern audio systems require clear zone management, intelligible announcements and intuitive operation.

The M-8080D Digital Matrix Mixer Series combines background music distribution, paging and multi-zone management in one flexible platform.

Supporting up to 12 independent audio zones, it provides system integrators and planners with a scalable solution that is easy to configure, simple to operate and reliable in daily use.
Centralised control and flexible expansion enable a wide range of commercial audio applications.

CLEAR SYSTEM ARCHITECTURE, FLEXIBLE CONTROL AND RELIABLE OPERATION, ALL IN ONE PLATFORM.



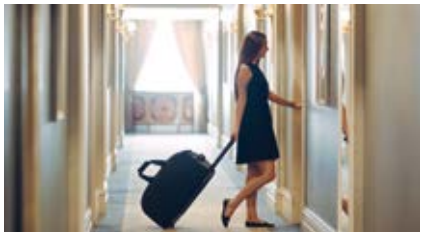
AT A GLANCE

- Dedicated digital matrix mixer system for **background music, paging and zone management**
- Up to 12 independent audio zones per system
- Central **M-8080D mixer unit** supported by a wide range of **remote controllers, audio I/O modules and paging microphones**
- **Software-driven signal processing** in a cost-effective, fixed-architecture system
- **Flexible audio I/O**
  - 8 analogue inputs / 8 analogue outputs
  - Expandable with digital I/O via remote devices
  - Up to **12 × 12 system I/O**
- **Optional Dante®* interface** for network audio integration
- **Intuitive setting software** for **PC**
- **Mobile App** for **Android and iOS**

*Dante® is a registered trademark of Audinate Pty Ltd.

APPLICATION EXAMPLES


Retail Store


Hotel


Restaurant / Bar


Mall


School


Auditorium


Conference room

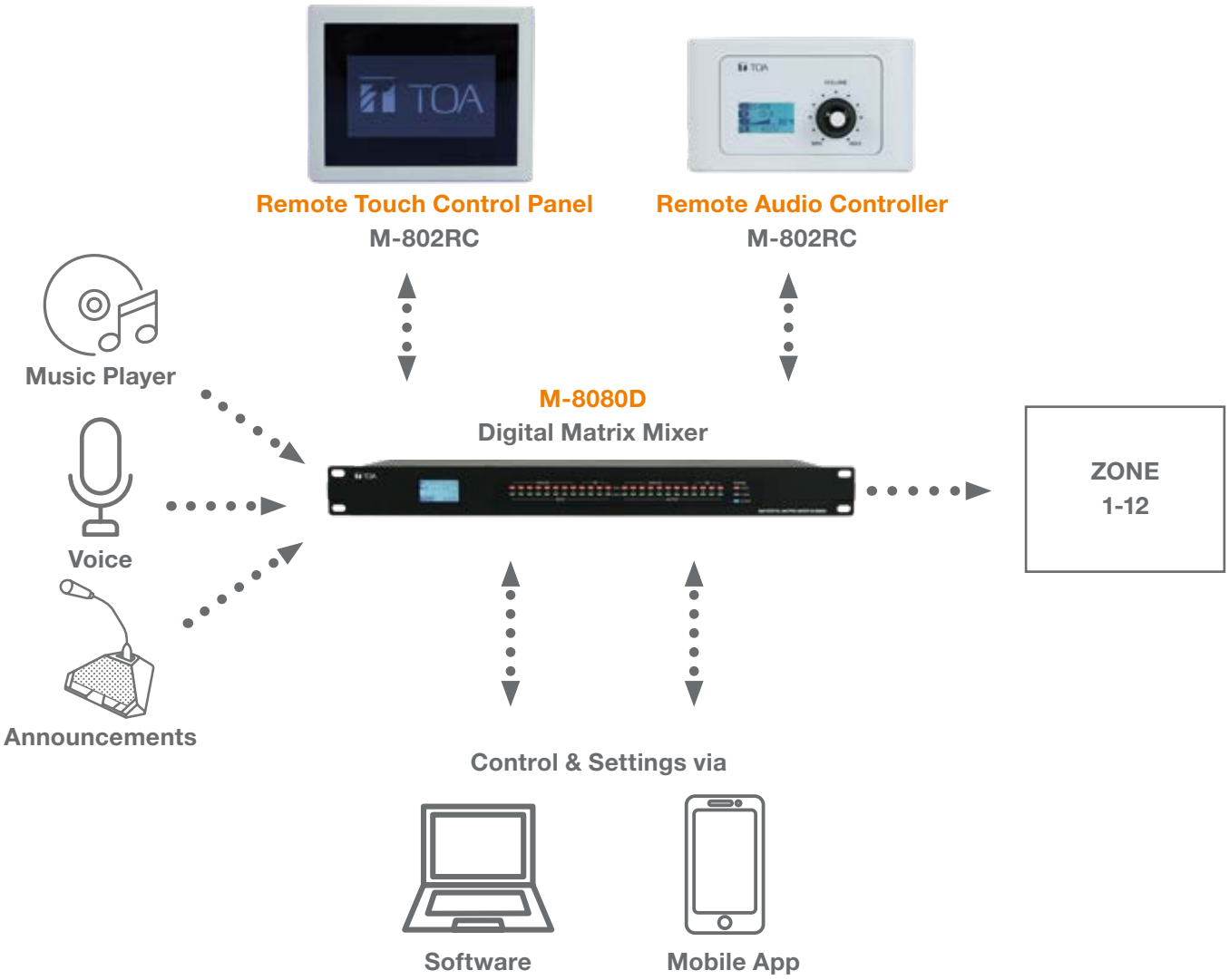

Museum


Fitness Centre

M-8080D System Architecture

The M-8080D series is built around a central digital matrix mixer that serves as the core of the entire system.
All audio sources are routed to the mixer, where signal processing, routing and distribution to individual zones are managed within a fixed system architecture. This approach enables predictable planning, reliable operation and straightforward system expansion.

CONTROL CONCEPT



The M-8080D separates configuration, daily operation and paging into dedicated control interfaces. The matrix mixer is designed for two roles, administrator and user, clearly assigning responsibilities from the professional installer to the everyday user.

CONFIGURATION

PC-based configuration software is used for system setup during installation and commissioning. Audio routing, DSP functions, zones, presets, and remote device settings can be configured, saved, and reused, enabling efficient deployment across multiple installations.



DAILY OPERATION

Daily operation can be easily handled via dedicated **remote controllers.** Core functions such as volume control for inputs, outputs and zones, as well as preset recall, can be tailored to specific requirements and accessed in an intuitive way. Additonally, system can be controlled via dedicated mobile apps for tablets and smartphones.



Remote Touch Control Panel
M-802RC

PAGING

Dedicated paging microphones allow announcements to be made quickly and easily. Paging can be directed to individual zones or defined zone groups, ensuring clear and structured communication for staff calls, information messages or events.



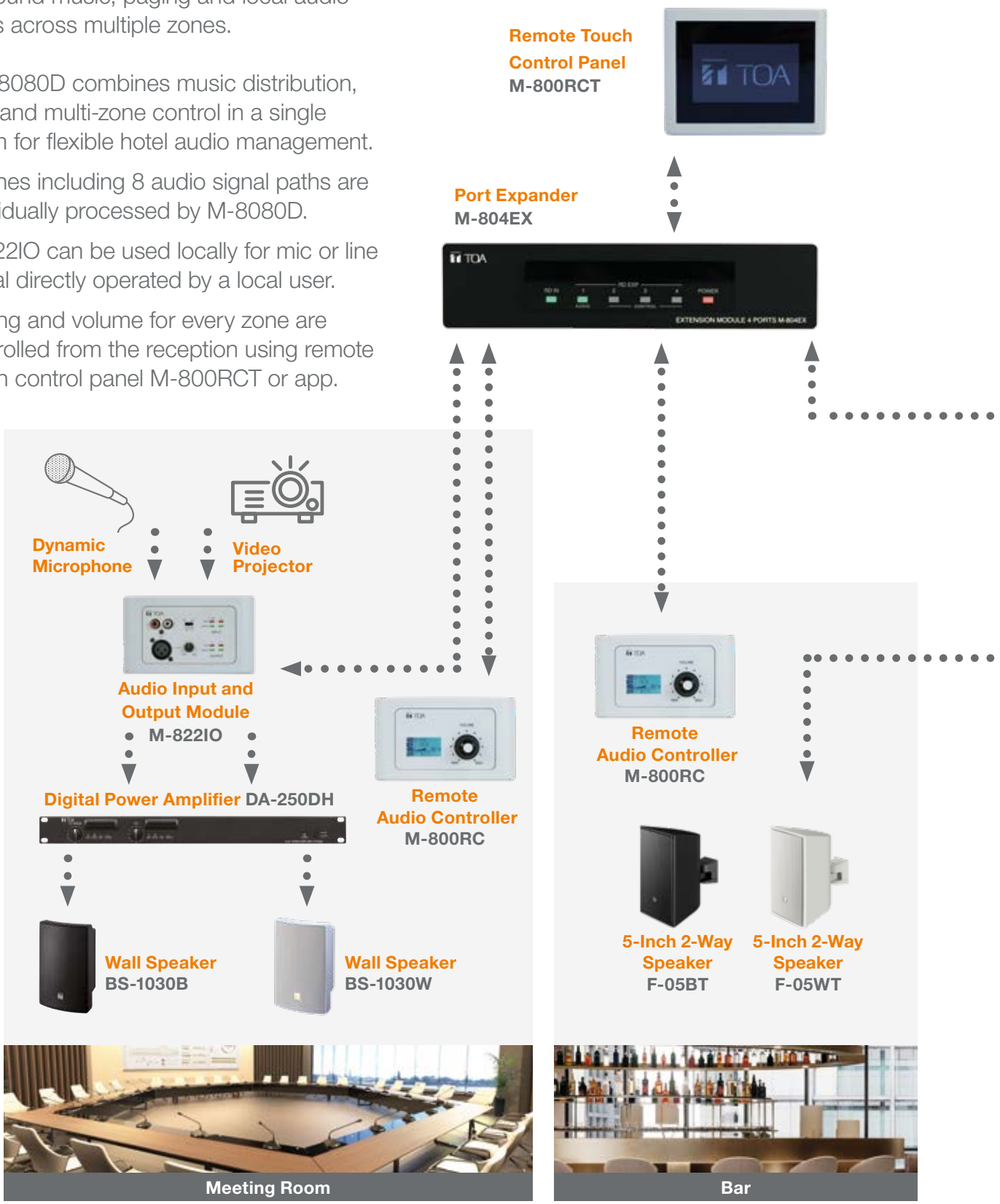
Remote Microphone
M-800RM

Hotel Audio Solution

Hotels often require independent control of background music, paging and local audio sources across multiple zones.

The M-8080D combines music distribution, paging and multi-zone control in a single platform for flexible hotel audio management.

- 6 zones including 8 audio signal paths are individually processed by M-8080D.
- M-822IO can be used locally for mic or line signal directly operated by a local user.
- Paging and volume for every zone are controlled from the reception using remote touch control panel M-800RCT or app.





Paging Microphone
M-800RM



Media Player



Digital Matrix Mixer M-8080D

Multi-channel Power Amplifier DA-150EH-EB





Pendant Speaker
PE-154ENBK



Wall Speaker
BS-1030W



Ceiling Speaker
PC-1865BS



Horn Speaker
SC-615M



Lobby



Dining Room



Restrooms

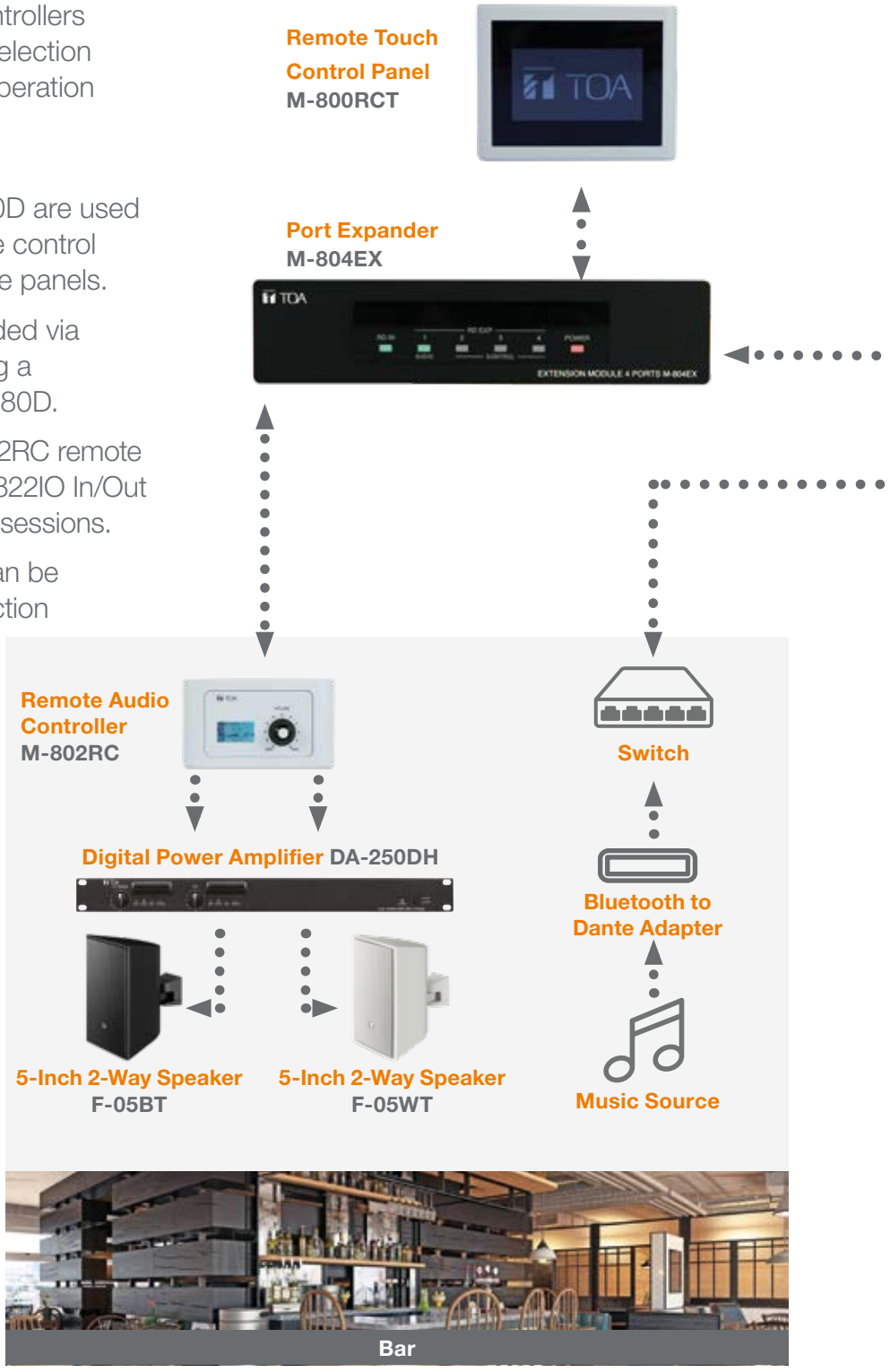


Parking

Restaurant & Bar Audio Solution

Restaurants and bars often require different audio experiences in different areas. Background music in dining spaces, more energetic playlists in bar areas and separate volume levels for outdoor zones can all be managed independently. Optional remote controllers provide intuitive access to source selection and volume control, making daily operation simple for staff.

- 4 analogueue outputs of M-8080D are used for 4 separate zones with volume control from the mixer itself or the remote panels.
- Two additional outputs are provided via remote controller M-802RC using a digital connection from the M-8080D.
- It feeds the bar area where M-802RC remote controller can be replaced by M-822IO In/Out module for DJ shows or karaoke sessions.
- Bluetooth®* to Dante®* adapter can be used to enable a wireless connection with smartphones or tablets.





Paging Microphone M-800RM



Media Player

Digital Matrix Mixer M-8080D & **Dante™* Modul** M-800DT



Digital Power Amplifier DA-250-FH





Wall Speaker
BS-1030B



Wide Dispersion Speaker
F-2352SC



Ceiling Speaker
PC-1865BS



Design Speaker
H-3



Patio



Dining Room



Restrooms



Cloak Room

*Dante® is a registered trademark of Audinate Pty Ltd. Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Shopping Centre Audio Solution

Shopping centres require independent audio control across retail zones, public spaces and parking facilities.

The M-8080D provides central management of multiple audio zones, supporting background music, live paging and pre-recorded announcements throughout the facility.

- Central operation with live and pre-recorded announcements, search calls, warnings and closures.
- Two 4-channel amplifiers support four high-impedance speaker lines each for separate audio zones.
- Two additional output channels can be added using an M-822IO.



Paging Microphone
M-800RM



Remote Audio Controller
M-800RC

Digital Power Amplifier DA-500FH





Pendant Speaker
PE-154ENBK



Pendant Speaker
PE-154EN



Wall Speaker
BS-678B



Wall Speaker
BS-678W



Entrance Hall



Floor 2



Shop 1



Shop 2

Digital Message Repeater EV-20R



Media Player

Digital Matrix Mixer M-8080D



Digital Power Amplifier DA-500FH





Wide Dispersion Speaker
F-2352SC



Ceiling Speaker
PC-1865BS



Projection Speaker
PJ-154BS



Horn Speaker
SC-615M



Shop 3



Supermarket

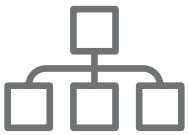


Indoor Parking



Outdoor Parking

System features



FIXED ARCHITECTURE

The M-8080D series is based on a clearly defined, fixed system architecture. This enables predictable planning, stable commissioning and reliable day-to-day operation. By focusing on clearly structured signal processing, the system offers an efficient and cost-effective platform for professional audio installations.



SCALABLE

The M-8080D series supports projects of varying size while maintaining a consistent system structure. From compact installations to projects with multiple areas, the series allows clear management of up to 12 independent zones within a single unit. With the optional M-800DT Dante®* module, multiple systems can be interconnected for decentralised applications with extended I/O capacity.



SEPARATE CONTROL LAYERS

System configuration and daily operation are clearly separated and reserved for system administrators and users, while everyday operation is handled via remote devices, control panels, paging microphones, touch panels or the mobile app. This simplifies operation by giving each user access to the functions they need.



USER-FRIENDLY OPERATION

The M-8080D system is easy to operate, even for non-technical staff. Core functions such as volume control, source selection and preset recall are intuitive and immediately accessible, reducing training requirements and minimising the risk of unwated actions.



STRUCTURED WORKFLOWS AND REPEAT INSTALLATIONS

System settings can be stored, duplicated and reused across projects. This supports standardised planning, faster commissioning and consistent results, making the M-8080D series ideal for repeat installations, multi-site rollouts and long-term system management by professional integrators and planners.

Connect multiple systems via Dante

The M-800DT Dante®* Module provides an easy-to-use Audio-over-Ethernet connection between up to 16 M-8080D Matrix Mixer systems. It expands the system to support up to 192 inputs and outputs.

Designed for exclusive use with the M-8080D, the M-800DT Dante®* Module provides a complete, ready-to-use Dante®* interface with up to 8 channels of bidirectional digital streaming. The Dante®* Module can be integrated into the building's existing network infrastructure and enables the connection of Dante®*-compatible devices, such as Bluetooth®* audio interfaces.



Features

- Connecting up to 16 x M-8080D Matrix Mixer Systems, with up to 192 inputs and outputs as well as third-party Dante®* devices
- Audio transmission and reception via Ethernet using the existing network infrastructure
- Well-suited for more complex installations across several floors or zones
- Supports daisy chain or star connection and enables redundant network configuration



*Dante® is a registered trademark of Audinate Pty Ltd. Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

M-8080D SERIES PRODUCTS

M-8080D



- 8 analogue IN and 8 analogue OUT
- 4 digital IN and 4 digital OUT
- DSP functionalities EQ, Compressor, Delay and more
- Easy and quick operation
- Intuitive GUI via PC
- Extended remote controller options

M-800RM



- Up to 12 different zones
- Zone LC display
- Zone selector with volume control
- Push-to-talk goose neck microphone
- Status and communication indicators
- USB port to load Chimes sound files
- RD port, for connection to M-8080D
- Allows transmission to other M-8080D units working in Dante mode
- Max. 100 m CAT5e or newer cable length from the matrix

M-800DT



- Connecting up to 16 x M-8080D, with up to 192 inputs and outputs as well as third party Dante®* devices
- Audio transmission and reception via Ethernet
- Existing network can be used
- Well-suited for more complex installations across several floors or zones
- Supports daisy chain or star connection and enables redundant network configuration

M-804EX



- 1 digital port IN (from M-8080D)
- 1 digital port OUT for audio plus control
- 3 digital ports OUT for control only
- 24V DC power supply

M-800RCT



- Input/Output signal routing
- Volume & preset Control
- 4.3" touch control screen
- Direct power supply by network cable
- LCD screen with output level display
- RD port IN, for connection to M-8080D
- RD port LINK for daisy chain connection
- Max. 100 m CAT5e cable length

M-800RC



- Input/Output signal routing
- Volume control
- Direct power supply by network cable
- LCD screen with output level display
- RD port IN, for connection to M-8080D
- RD port LINK for daisy chain connection
- Max. 100 m CAT5e cable length

M-802RC



- Input/Output signal routing
- Volume control
- Direct power supply by network cable
- 2 analogue outputs
- LCD screen with output level display
- RD port IN, for connection to M-8080D
- Max. 100 m CAT5e cable length

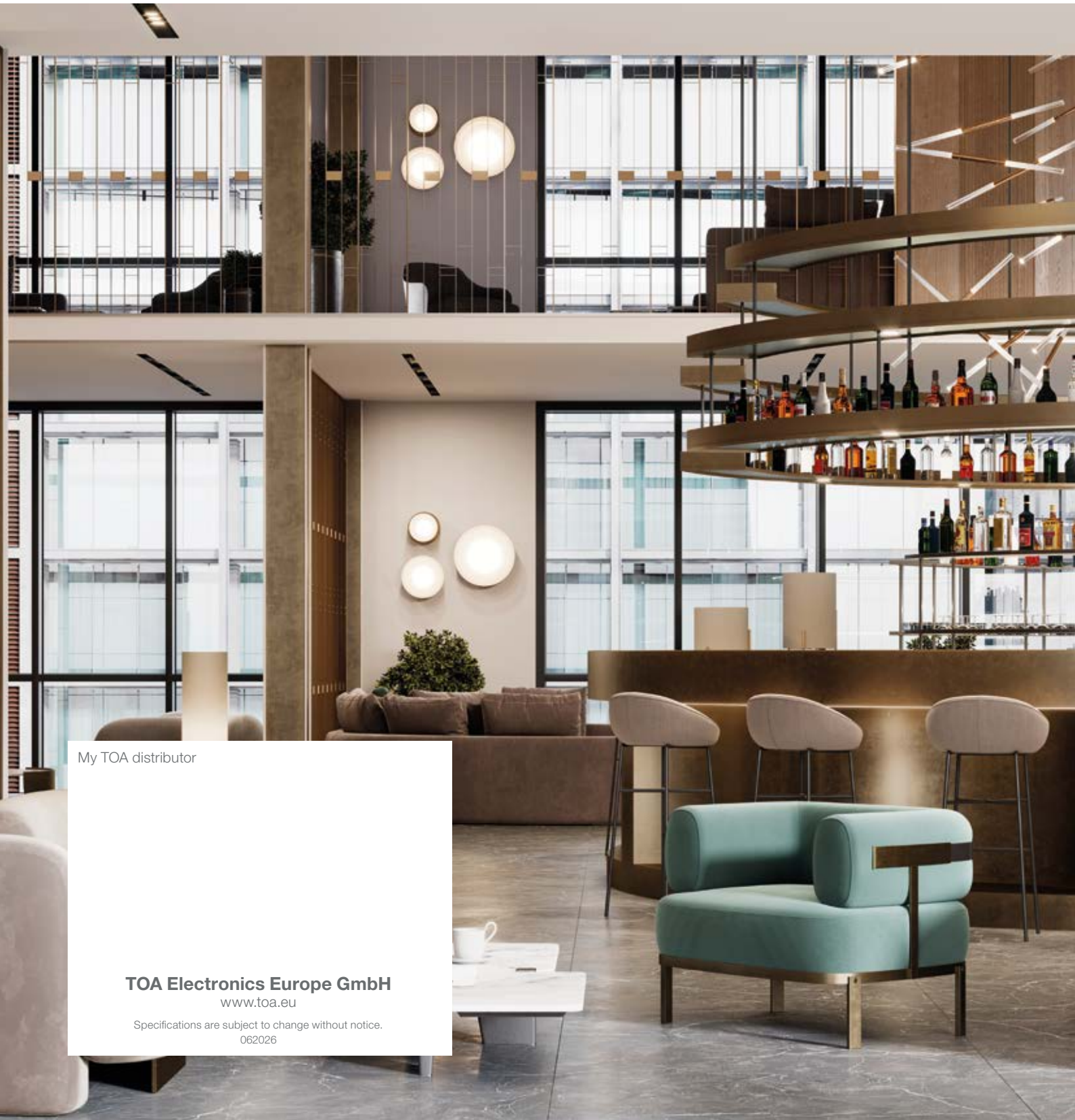
M-822IO



- Built-in A/D and D/A converter
- 2 analogue inputs (MIC/ stereo line)
- 2 analogue outputs
- Phantom power
- Input sensitivity
- Direct power supply by network cable
- RD port IN, for connection to M-8080D
- Max. 100 m CAT5e cable length

*Dante® is a registered trademark of Audinate Pty Ltd.

We supply sound, **not equipment.**
www.toa.eu



My TOA distributor

TOA Electronics Europe GmbH
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