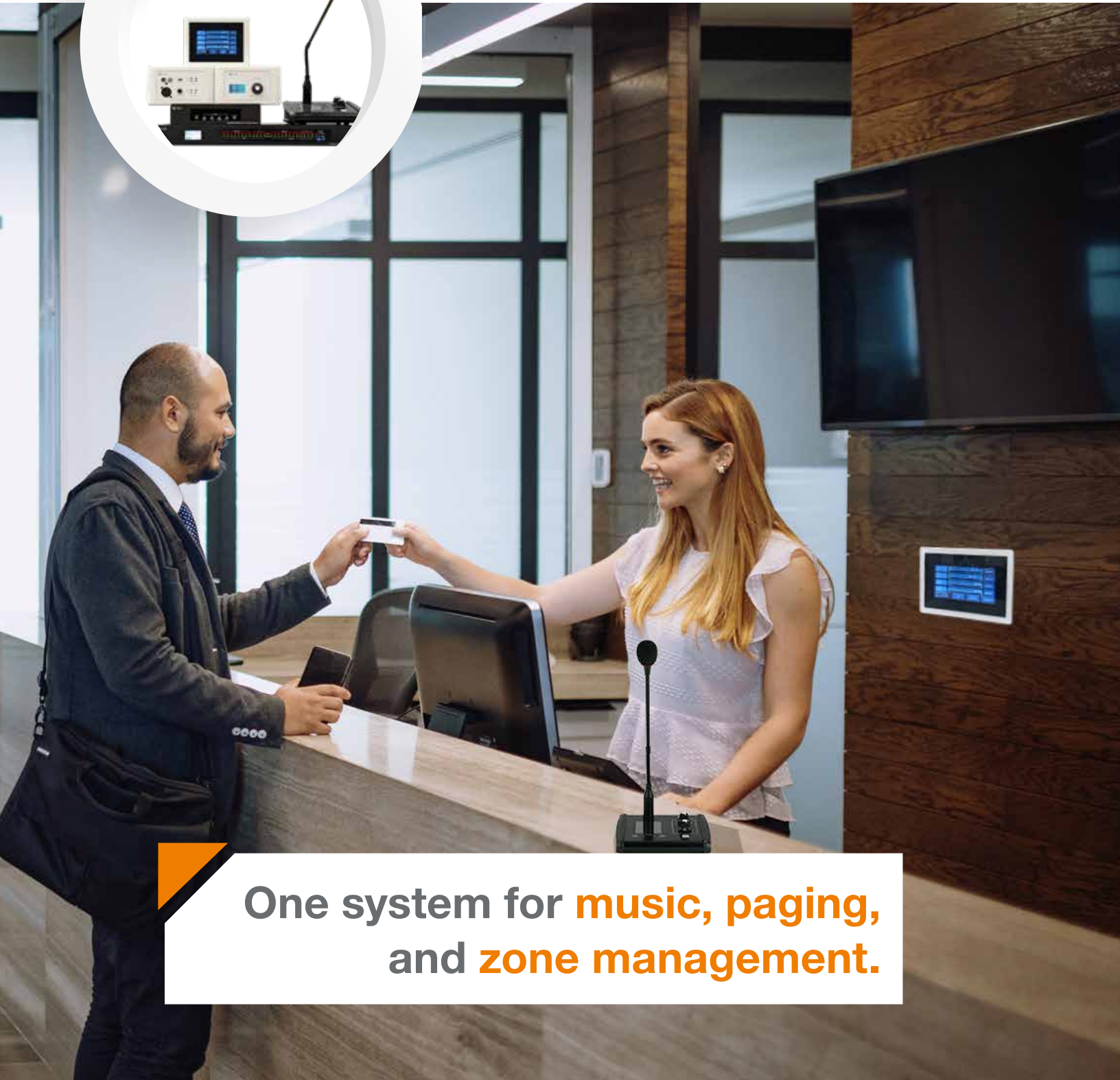




M-8080D Series

Digital Matrix Mixer System



One system for **music, paging,**
and **zone management.**

You need more than PA and background music?

From simple sound to highly sophisticated site supervision – our sound and voice alarm systems are exceptionally versatile and reliable. For example, in addition to superb audio quality, our systems also provide a safe environment for the public.

But not enough – our services for you also include:

- Design assistance
- Flexible sound concepts
- Long-standing expertise
- Wide range of products
- Reliable products



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

In many ways, the right acoustics are an important factor in creating a unique atmosphere in shops and other locations open to the public. After all, music like light, architecture and interior design, creates a distinctive environment where you can perfectly present your products and make your customers feel good.

At retail locations, the atmosphere created by music can significantly increase browsing time and the frequency of customer visits. Furthermore, studies have shown that music has a very positive effect on buying behaviour. A restaurant or bar with a really good atmosphere is more likely to be visited again. Utilizing the M-8080D series in a sports complex or healthcare facility delivers a versatile paging solution for buildings with multiple and different sized rooms. Whatever audience you are targeting, the transmission quality for music or announcements is key to

the success of any acoustic design. A hotel or conference centre where the technical equipment not only underlines the overall service orientation, but is easy to use for customers and clients.

Moreover, at TOA it's about much more than music. Whether you are informing your customers about a ongoing emergency or calling staff, we offer a range of solutions for large manufacturing buildings, sports facilities and education and other locations with customer traffic. Our sound systems also ensure that announcements are crystal clear and also empower non-technical staff to easily accommodate whatever event is being hosted. We work together with you to find a sound concept perfectly tailored to your needs, but more importantly design for the type of facility.

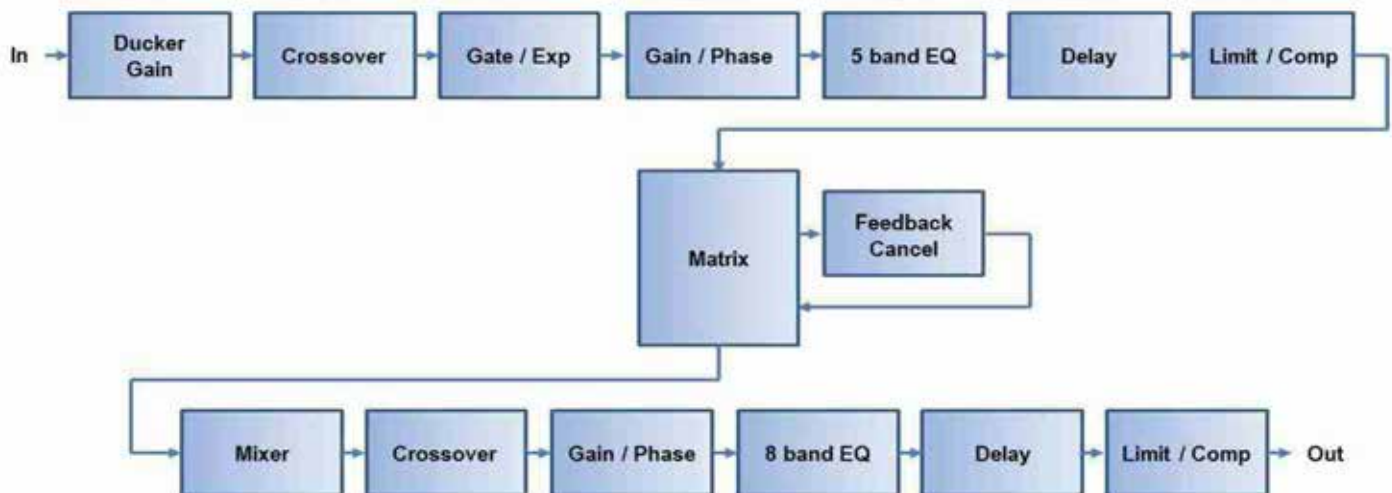


M-8080D Digital Matrix Mixer System / System Features

AT A GLANCE

- M-8080D series is dedicated to music, paging, discussion and zone management solutions
- M-8080D series includes a digital Mixer Unit that is supported by remote controllers, remote Audio I/O controllers and a remote Paging Microphone.
- M-8080D offers software driven state-of-the-art signal processing in a cost effective package
- Audio I/O:
 - » 8 analog IN / 8 analog OUT
 - » 4 digital IN / 4 digital OUT (expandable via remote devices of M-8080D Series)
 - » Max. System I/O: 12 x 12.

DSP FUNCTIONS



APPLICATIONS

- Education
- Sports Complexes
- Multi-Purpose Hall
- Gymnasium
- Conference Rooms
- Healthcare Facilities
- Retail Store
- Restaurant / Bar
- Factories
- Mall
- Hotel
- Museum



M-8080D Digital Matrix Mixer System / System Components

8X8 DIGITAL MATRIX MIXER



M-8080D

REMOTE AUDIO CONTROL PANEL



M-800RC/B

REMOTE AUDIO CONTROL PANEL WITH AUDIO OUT



M-802RC/B

REMOTE AUDIO INPUT OUTPUT PANEL



M-822IO/B

REMOTE MICROPHONE



M-800RM

REMOTE AUDIO CONTROL PANEL WITH TOUCH DISPLAY



M-800RCT/B

EXTENSION MODULE 4 PORTS



M-804EX

One system, any market, done right.



M-8080D Digital Matrix Mixer system: One system to rule them all.

The M-8080D Digital Matrix Mixer system is dedicated to music, paging, discussion and zone management solutions for commercial audio applications. Easy to use and to implement, M-8080D offers state-of-the-art signal processing in a cost effective package. Projects using DSP platforms usually require a minimum number of inputs and outputs. M-8080D offers a large choice of I/O options

making it a good choice for very different applications. M-8080D is intended for non-experts. The system uses fix architecture for quick and easy operation. The intuitive GUI utilizes a familiar hardware-like layout to enable a fast programming time-line and rapid hardware implementation.



FEATURES

- M-8080D offers state-of-the-art signal processing in a cost effective package
- A large choice of I/O options in order to cover most of applications
- **Audio I/O:**
- Standard: 8 analogue IN / 8 analogue OUT on rear panel ports of M-8080D.
- Optional: 4 digital IN / 4 digital OUT via remote devices analog I/O.
- Max. System I/O: 12 x 12.
- PC M-8080D System Control: Settings can be memorized for easy duplication or modification.
- TCP/IP for LAN control
- Cabling: 100M Shielded CAT 5e (or better) length to connect the remote controllers

- **Remote Devices:**
- M-8080D offers a large choice of devices for volume adjustment, paging management, routing and I/O modules.
- **DSP Functions:**
- Input: Ducker, Gain/Phase, Cross-over, Gate/Expander, 5 band EQ, Delay, Limiter / Compressor.
- Matrix, Feedback Cancel.
- Output: Mixer, Crossover, Gain/Phase, 8 band EQ, Delay, Limiter / Compressor
- **Dante Features:**
- 192 Inputs and Outputs
- Connect up to 16 M-8080D
- Audio transmission via Ethernet
- Works as Daisy Chain or Star connection

APPLICATIONS

- Sports Facilities
- Healthcare
- Education
- Retail Store
- Restaurant / Bar
- Gym
- Mall
- Hotel
- Museum
- Multi-purpose hall
- Gymnasium
- Conference rooms

M-8080D Series / Mixer Unit / **M-8080D**



M-8080D



Crestron 3 and 4-series
SIMPL# module suite

- 8 analog IN and 8 analog 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
- 100M Shielded CAT 5e (or better) length

SPECIFICATIONS	M-8080D
Power source	100 - 240 V AC, 50 / 60 Hz
Phantom power	+48 VDC, switchable, Inputs 1 - 8
Frequency response	20 Hz - 20 kHz (±3 dB)
Power consumption	40W
S/N ratio	>105 dB (A weighted)
Display	LCD Screen: Displays device information: name, firmware version, ID, communication status
Indicator	LEDs: Input: Analog Signal (Green)x8, Analog Peak(Red)x8, RD signal(Green)x4, RD Peak(Red)x4 Output: Analog Signal (Green)x8, Analog Peak(Red)x8, RD signal(Green)x4, RD Peak(Red)x4 Status: Fault(Red)x1, Comm(Green)x1, Power(Blue)x1
Crosstalk	>79 dB
Inputs	AUDIO INPUT: 1-8: -48 to 0dBv, 6.8 kΩ, electronic balanced, removable terminal block (3 pins x8)
Outputs	AUDIO OUTPUT: 1-8: 0dBv, 1.8 kΩ, Maximum output 20 dBu(7.75V), electronic balanced, removable terminal block (3 pins x 8) CONTROL INPUT: GPI 1 - 2: no-voltage contact input, open voltage: 1.5V DC, short-circuit current: Under 3 mA, RJ45 Connector x 2
Controls	CONTROL OUTPUT: Relay 1 - 2: withstand voltage: 24V DC, control current: Under 500 mA, removable terminal block (4 pins) RD port: RD 9 - 12: transmits and receives AES3 digital audio plus control data. Connect remote devices such as M-822IO, M-800RC, M-802RC, M-800RCT and M-800RM, maximum cable length is 100 meters, RJ45 Connector x 2
Signal processing	Equalizer / Filter, Gate, Compressor, Ducker Feedback Compression (FBC), Auto Mixer, Delay
Equalizer / Filter	5 band EQ (LPF and HPF) for IN and 8 band EQ (LPF and HPF) for OUT Parametric Equalizer: 19.7 - 20,160 HZ, range: ±18 dB, Q: 0.4 - 128, Type: peak/low/high
Compressor	Threshold: -30 to +20 dB in 1 dB steps Ratio: 1:1, 1.21:1, 1.3:1, 1.5:1, 1.7:1, 2.0:1, 2.2:1, 2.3:1, 2.5:1, 3.0:1, 3.5:1, 4.0:1, 4.5:1, 5.0:1, 5.5:1, 6.0:1, 6.5:1, 7.0:1, 7.5:1, 8.0:1, 8.5:1, 9.0:1, 9.5:1, 10.0:1, limit Attack: 10 -150 ms Release: 10 ms - 1 s
Feedback compression (FBC)	Mode: Speech / Music, Filter release: fast / mid / low, FBC type: dynamic Filters / static Filters
Auto Mixer	Activation: 10 ms - 6 s
Delay	0 - 1361.2916 ms
Ducker	Level: 0-15, Threshold: -80 to 0 dB in 1 dB steps Depth -60 to 0 dB in 1 dB steps, Activation: 10 ms - 6 s
Matrix	8 x 8 12 x 12 (Expandable via optional equipment)
Operating temperature	0°C to + 40°C (32°F to 104°F)
Finish	Panel: Aluminum black, Case: Surface-treated steel plate, black paint
Dimensions	483 W x 44.2 H x 259 D mm (19.02" W x 1.74" H x 10.18" D)
Weight	4.2 kg

M-8080D Series / Remote Microphone / **M-800RM**



M-800RM

M-800RM

- Up to 12 different zones
- LCD screen
- Zone selector with volume control
- Push-to-talk gooseneck microphone
- Status and communication indicators
- USB port to load Chimes sound files
- RD port, for connection to M-8080D
- 100M Shielded CAT 5e (or better) length

SPECIFICATIONS	M-800RM
Power source	24 V DC (Powered by M-8080D or M-804EX)
Gooseneck Microphone	Unidirectional electret condenser microphone
Frequency response	20 Hz - 20 kHz (± 3 dB)
Audio output	0 dBV, electronic balanced, RJ45 Connector
USB port:	Load WAV files for chimes sound
Volume Control	Microphone volume control and all zone selector
Zone Selector	Can address 1 to 64 different zones
Display	LCD Screen: Displays device information: ID, volume, zone selector
Indicator	LEDs: Input signal (Green)x1, Input Peak (Red)x1, Busy (Red), Communication (Green)x1
Directivity	Unidirectional
Operating temperature	0°C to + 40°C (32°F to 104°F)
Finish	Case: Surface-treated steel plate, painted black
Dimensions	176 W x 61.8H x 162.4 D mm (6.93" W x 2.43" H x 6.40"D) gooseneck mic excluded
Weight	0.8 kg

M-8080D Series / Remote Audio Controller / **M-800RCT**



M-800RCT



M-800RCTB

M-800RCT/B

- 4.3" touch screen
- Input/Output signal routing
- Volume control
- Preset Control
- Direct power supply by network cable
- LCD screen with output level display
- 100M Shielded CAT 5e (or better) length
- RD port IN, for connection to M-8080D
- RD port LINK for daisy chain connection
- 100M Shielded CAT 5e (or better) length

SPECIFICATIONS	M-800RCT/B
Power source	24 V DC (Powered by M-8080D or M-804EX or external)
Display	Touch LCD Screen Displays device information: ID, Volume, communication status, system
Inputs	RD In: Transmits and receives AES3 digital audio plus control data Connect to M-8080D, M-804EX or M-800RC, M-800RCT for daisy chain, RJ45 connector
Outputs	RD EXP: Transmits and receives control data Connect to M-800RC or M-800RCT, RJ45 connector
Controls	Volume / Routing / Presets
Operating temperature	0°C to +40°C (32° F to 104° F)
Finish	Panel: Polycarbonate + ABS resin, white or black
Dimensions	150 W x 115 H x 28 D mm (5.9" W x 4.53" H x 1.1" D)
Weight	0.28 kg

M-8080D Series / Remote Audio Controller / **M-800RC** / **M-802RC**



M-800RC



M-802RC



M-800RCB



M-802RCB

M-800RC/B

- 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
- 100M Shielded CAT 5e (or better) length

M-802RC/B

- Input/Output signal routing
- Volume control
- Direct power supply by network cable
- 2 analog outputs
- LCD screen with output level display
- RD port IN, for connection to M-8080D
- RD port LINK for daisy chain connection
- 100M Shielded CAT 5e (or better) length

SPECIFICATIONS

	M-800RC	M-802RC
Power source	24 V DC (Powered by M-8080D or M-804EX or external)	
Frequency response	-	20 Hz - 20 kHz
Total Harmonic Distortion	-	< 0.01 %
S/N ratio	-	>105 dB (A weighted)
Display	LCD Screen Displays device information: ID, Volume, communication status	
Crosstalk	-	>79 dB
Inputs	RD In: Transmits and receives AES3 digital audio plus control data Connect to M-8080D, M-804EX or M-800RC, M-800RCT for daisy chain, RJ45 connector	
Outputs	RD EXP: Transmits and receives control data Connect to M-800RC or M-800RCT, RJ45 connector	Audio Output: Line output 1 - 2: 0 dBV, 1.8 kΩ, Maximum output 20dBu (7.75V), electronic balanced, screw terminal (3 pins x 2)
Controls	Volume / Routing	
Operating temperature	0°C to +40°C (32° F to 104° F)	
Finish	Polycarbonate + ABS resin, white or black	Polycarbonate + ABS resin, white or black
Dimensions	147 W x 86 H x 65 D mm (5.79" W x 3.39" H x 2.56"D)	
Weight	0.3 kg	

M-8080D Series / Audio Input Output Module / **M-822IO**



M-822IO



M-822IOB

M-822IO/B

- Built-in A/D and D/A converter
- 2 analog inputs (MIC/ stereo line)
- 2 analog outputs
- Phantom Power
- 100M Shielded CAT 5e (or better) length
- Input Sensitivity
- Direct power supply by network cable
- RD port IN, for connection to M-8080D
- 100M Shielded CAT 5e (or better) length

SPECIFICATIONS	M-822IO/B
Power source	24 V DC (Powered by M-8080D or M-804EX or external)
Phantom power	+48 VDC, switchable , MIC input
Frequency response	20 Hz - 20 kHz
Total Harmonic Distortion	< 0.01 %
S/N ratio	>105 dB (A weighted)
Indicator	LED Audio Input: Signal (Green) 2x, Peak (Red) 2x LED Audio Output: Signal (Green) 2x, Peak (Red) 2x
Crosstalk	>79 dB
Inputs	RD In: Transmits and receives AES3 digital audio plus control data Connect to M-8080D, M-804EX o M-800RC, M-800RCT for daisy chain, RJ45 connector Audio input MIC Input: -48 dBV, 5.1 kΩ, electronic balanced, XLR connector Line input A-B: 0 dBV, 5.1 kΩ, unbalanced, RCA pin jack
Outputs	RD EXP: Transmits and receives control data Connect to M-800RC or M-800RCT, RJ45 connector Audio Output Line output 1 - 2: 0 dBV, 1.8 kΩ , Maximum output 20 dBu (7.75V), electronic balanced, screw terminal (3 pins x 2)
Controls	Volume / Routing
Operating temperature	0°C to +40°C (32° F to 104° F)
Finish	Panel: Polycarbonate + ABS resin, white or black
Dimensions	147 W x 86 H x 52 D mm (5.79" W x 3.39" H x 2.05" D)
Weight	0.3 kg

M-8080D Series / Port Expander / **M-804EX**



M-804EX

M-804EX

- 1 digital port In (from M-8080D)
 - 1 digital port Out for audio plus control
 - 3 digital port Out for control only
 - 24V DC power supply
 - 100M Shielded CAT 5e (or better) length
-

SPECIFICATIONS	M-804EX
Power source	24 V DC (Powered by M-8080D or DC24 external power supply.)
Indicator	RD IN (Green) RD exp audio (Green) RD exp control (Green) x3 Power (Red)
Inputs	RD IN: Transmits and receives AES3 digital audio plus control data Connect to M-8080D, RJ45 connector
Outputs	RD EXP: Port 1: transmits and receives AES3 digital audio and control data Connect to M-822IO, M-800RC, M-800RCT, M802RC or M-800RM, RJ45 connector Port 2 - 4: transmits and receives control data connect to M-800RC or M-800RCT, RJ45 connector maximum cable length 100 meters in total from M-8080D RD port to last controller
Operating temperature	0°C to + 40°C (32°F to 104°F)
Finish	Panel: Aluminum, black Case: Surface-treated steel plate, black, paint
Dimensions	196.2 W x 44.2 H x 133 D mm (7.72" W x 1.74" H x 5.24" D)
Weight	0.92 kg

M-8080D Series / Dante Module / **M-800DT** (Sold Separately)



M-800DT

- Dante In: 8 channels, Out: 8 channels
- SPI Master and Slave
- 2 Ethernet ports
- 5 V DC (Powered by M-8080D)

- Low latency Dante Audio over IP
- Compatible with all IP network configurations and with redundancy support.
- Allows the operation of up to 16 M-8080D units as one system
- Supports up to 192 inputs and outputs allowing for system scalability
- Works with any exiting IT system compatible with the Dante Network Specifications

SPECIFICATIONS

	M-804EX
Power source	5 V DC (Powered by M-8080D)
Audio Codec	TDM, I2S
Digital audio i/F	Dante In: 8 channels, Out: 8 channels
Digital audio I/F	SPI Master and Slave
Network I/F	RGMII/MII
Operating temperature	0 °C to +40 °C (32 °F to 104 °F)
Dimensions	122.2 W x 33.5 H x 119.5 D mm (4.81" x 1.32" x 4.70")
Finish	Steel plate, surface-treated, paint, black
Weight	0.118 kg (0.26 lbs)
Option	Sold Separatly, for M-8008D Digital Matrix Mixer

Application Example / Large Facilities

Complex audio project, simple installation.

For a clear, bold sound in your shop or warehouse, install a multichannel system for the greatest impact on sound intelligibility to communicate to employees.

Multi-zone capabilities to reach the various areas of a large building like a factory and even the outdoor parking lot. Create a system where the message reaches everyone, clearly and reliably.

To obtain the desired sound to notify office staff, or over-come loud noise in the factory, we offer a wide range of loudspeakers that will allow adjusting of the system exactly to your needs.

- The 4 zone volumes are individually controlled from the office or from the counter with stereo or mono signals.
- A free Soundcard Output of PC can be connected to a M-8080D to broadcast Music/Messages/Alerts.
- The computer can be used to edit the M-8080D as well.
- M-800RM: Live announcements to the gym, warehouse, patient floors etc.

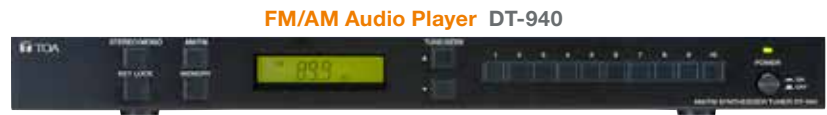
The right DSP for Educational institutions and Healthcare facilities as well.

When assessing the communication efforts of a building with a large amount of people spread over a large area the capabilities of reaching everyone and control the zones is vital. In particular in educational settings and healthcare sites. Organize the performance of the M-8080D to suit the needs of the facility by configuring the vast possibilities. If it's big, ask for the equipment that offers the flexibility required.





Paging Microphone M-800RM



FM/AM Audio Player DT-940



Digital Matrix Mixer M-8080D



Remote Audio Controller M-800RC



Digital Power Amplifier DA-500F HL



Wide Range Weatherproof Speaker CS-154



Wide Range Weatherproof Speaker CS-154

Factory



Horn Speaker SC-630TU



Horn Speaker SC-630TU

Warehouse



Compact Wide Dispersion Design Speaker F-2000BT



Compact Wide Dispersion Design Speaker F-2000WT

Parking Area



Ceiling Speaker PC-1860S



Ceiling Speaker PC-1860S

Office



Application Example / Gym & Arenas

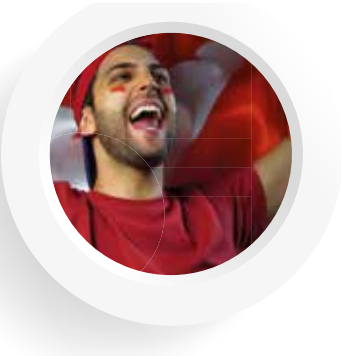
Robust and flexible sound control

Whether it's an intense aerobics class, or relaxation in the sauna or changing in a locker room, or participating in an athletic game, an essential part of the experience is also how the customers experience it and how the audio in the facility creates the atmosphere.

Whether driving beats or soothing sounds, different zones can be conveniently controlled from various locations in arenas and fitness facilities. Microphones are an ideal addition to many sound system and can be utilized as required. Our solutions are detailed but uncomplicated, while executing at a high level.

- Volume "and presets" can be controlled from the lobby by touch panel remote controller M-800RCT.
- In arenas, coaches can play dedicated music via Music player connected to M-822IO input/output.
- Volume is controlled with a specific M-800RC device.

Your audience is listening





Digital Matrix Mixer M-8080D



Digital Power Amplifier DA-250FH



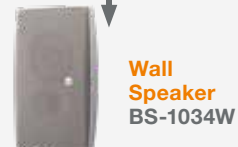
Dressing Rooms



Aerobics



Locker Rooms



Lobby



Application Example / Hotel

Trouble-free multi-audio service and distribution

A hotel is more than just a room with a bed. A hotel is a meeting of service and sensual experience. Service is not only written in capital letters here, but also understood as the main focus of everyone's tasks.

Sound design in a hotel has to consider many things: Unobtrusive but atmospheric background music; calming and intelligible information; easy-to-use event technology for the most diverse occasions. All of this should be easy to operate and flexibly adaptable to the most varied purposes.

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



Paging Microphone
M-800RM



FM/AM Audio Player DT-940



Digital Matrix Mixer M-8080D



Digital Power Amplifier DA-250DH



Digital Power Amplifier DA-250FH



Pendant Speaker
PE-604WU



Pendant Speaker
PE-604BU

Lobby



Wall Speaker
BS-1030B



Wall Speaker
BS-1030W

Dining Room



Ceiling Speaker
PC-1860S



Ceiling Speaker
PC-1860S

Restrooms



Horn Speaker
SC-615T



Horn Speaker
SC-615T

Parking



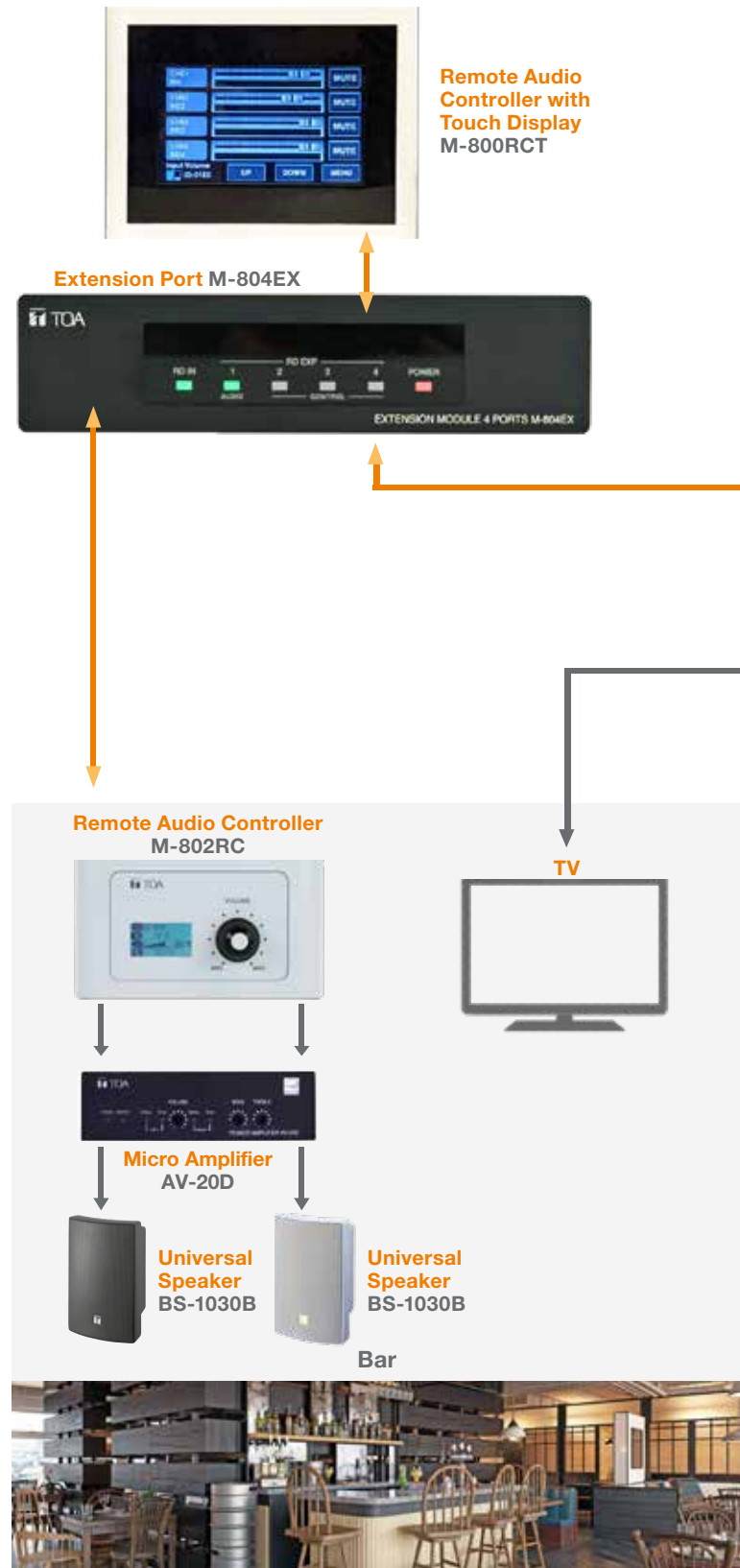
Application Example / Restaurant / Bar

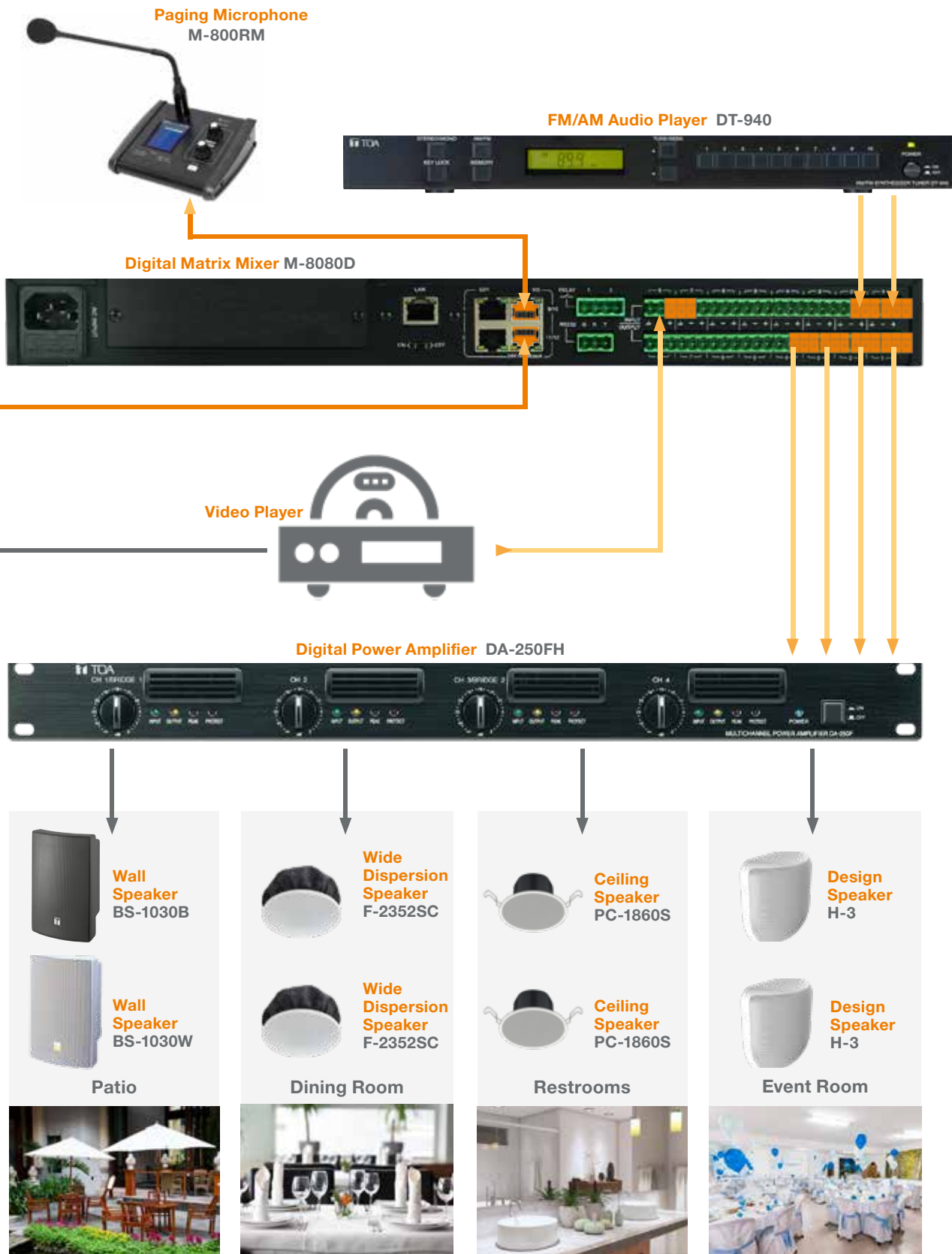
Easy and quick volume control for operators

You want to play Bryan Adams at the bar, Taylor Swift on the patio and Whitney Houston at the door. Conveniently control the playlist and volume in four different zones using the optional remote control panels.

In smaller restaurants, it is important that the level of the back-ground music is nothing more than perceptible ambiance and is not too dominant, otherwise a pleasant atmosphere will be difficult to achieve. Music is like salt in the soup: you shouldn't be able to taste it, but you would notice if it wasn't there.

- The M-8080D's 4 analog outputs are used for 4 separate zones with volume controlled from the mixer itself or the remote panels.
- Two additional line out come from the M-802RC remote controller using a digital connection from the M-8080D.
- It feeds the bar area where M-802RC remote can be replaced by M-822IO In/Out interface for DJ shows or karaoke sessions.





Control to 12 independent zones with a single M-8080D

A shopping centre gathers different shops that offer customers a wide variety of goods and services. In the best case, the customer can do all the errands at once in a single visit. To make visitors feel comfortable, background music and general atmosphere must be tailored to the respective product group, while supporting the general feeling of well-being. After all, people will only spend time in a place where they feel comfortable.

If you want your customers' shopping to be less of a chore and more of an experience, then a well-balanced sound system is what you need.

- The system is operated centrally, for example at the reception or a service point, and offers both live announcements such as current information and search calls, as well as pre-recorded announcements for information, warnings, closure etc.
- M-8080D feeds 2 x 4 analog inputs of amplifiers. Each amplifier offers 4 individual lines of high impedance speakers to broadcast BGM program, live paging and pre-recorded announcement in separate zones.
- For more zones, 2 x additional OUT are available by using a M-822IO.



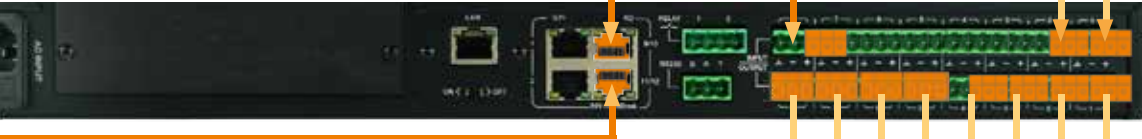
Speaker EV-20R



FM/AM Audio Player DT-940



Digital Matrix Mixer M-8080D



Digital Power Amplifier DA-500FH



Wall Speaker BS-678W




Wall Speaker BS-678W




Zone 4




Wide Dispersion Speaker F-2352SC




Wide Dispersion Speaker F-2352SC




Zone 5




Ceiling Speaker PC-1860S




Ceiling Speaker PC-1860S




Zone 6




Projection Speaker PJ-304




Projection Speaker PJ-304




Indoor Parking




Horn Speaker SC-615T



Horn Speaker SC-615T



Outdoor Parking



Our loudspeaker range: set up for every application.

Loudspeakers have to meet a wide variety of requirements. For this reason, loudspeakers have been and continue to be developed that are optimized for a specific application, for example for music, alarms or voice announcements. The wide range of TOA speakers provide the perfect solution for every application.

When it comes to public address, whether 70V-based or low impedance, UL certified or not, weatherproof or not –there is a loudspeaker that fits at TOA. These combine easy installation, excellent transmission characteristics, durability and quality with a design that fits into any desired environment. Moreover, they all have one thing in common: excellent sound.

Column speakers

Column loudspeakers deliver excellent sound quality with precisely aligned sound reinforcement, for example in medium-sized buildings such as churches, sports halls or auditoriums. Multiple loudspeaker drivers are arranged vertically to create a wide horizontal dispersion. At the same time, they limit vertical dispersion, minimizing reverberation problems in acoustically problematic rooms. The weatherproof loudspeakers with IP65 protection rating are suitable for outdoor use.



CS Series Wide Range Horn Speakers

Wide-range paging speakers for voice paging, background music and tone signaling distribution. Weatherproof polyurethane resin paint and impact-proof lightweight ABS resin enclosure.



Variable Line Array Speakers

The compact modular design includes four pre-assembled modules and connects bass and wide-band speakers. The dispersion angles are adjustable to 60, 45, 30 and 15 degrees for variable dispersion angles.



F Series Wide-Dispersion Speakers

Two-way bass-reflex design. Wide-dispersion characteristics for better sound coverage and improved tonal response. Included accessory brackets expand options for installation. 4", 5" and 8" models. Black/white and weatherproof versions available



Wall Mount Box Speaker

2-way bass-reflex speaker with transformer for Hi/Lo (70V/ 8 ohms) impedance with 30W of rated output. Easy to install with equipped bracket. IP-X4 rated.



Projection Speakers

Stylish and outstanding design inspired by the finest lighting fixtures that blend into any interior design. Flexible speaker direction adjustment with accessory brackets.



Pendant Speakers

Stylish and outstanding design inspired by the finest lighting fixtures. Ideally suited for such venues as shopping malls and restaurants with high ceiling.



FB-120 Subwoofer

Designed for use in conjunction with TOA HX-5 series or other full-range speakers. Wide frequency range/ 600W continuous program/ Sensitivity (1W, 1m): 90 dB.



F Series Ceiling Speakers

The F Series ceiling speakers reproduce the entire frequency range in a balanced manner over a wide dispersion angle, so that the sound quality remains constant regardless of the listener's position. This provides a practical solution to a common problem with ceiling speakers: it is usually difficult to balance the areas under the speakers and to the side of them – usually the side areas come out too dull or the areas below them come out unpleasantly sharp in sound.

Because they technically solve this problem, F Series ceiling speakers are ideal for providing large areas with consistently high sound quality and excellent speech intelligibility. Last but not least, the existing areas can be sounded with fewer loudspeakers, thus reducing installation costs.

Expanded listening area coverage thanks to the extra-wide dispersion characteristics makes it

possible to utilize fewer speakers to cover a desired area, allowing more cost-effectiveness.



Planning a sound system?

Get in touch!

We support you in the planning and project management of your property and take care of your questions and concerns!

Learn more about us and our products at www.toacanada.com
Tel: 1-800-263-7639
Email: sales@toacanada.com



Integrated system solutions for every type of sound application.

Voice alarm systems

From simple public address systems to highly complex object monitoring, our public address and voice alarm systems are distinguished by their remarkable versatility and reliability. In addition to outstanding audio quality, our systems help to create a safe environment for the public. In the event of danger, your ELA system ensures that visitors are addressed and this is optimized in two respects: On the one hand, your alarm system reaches exactly the people you need to reach. On the other, the announcements are adapted to any background noise and made accordingly as loud as required, all whilst maintaining the best possible speech intelligibility. Whether all persons in the building need to be reached or only a certain area requires your announcement, each zone is notified clearly and unambiguously.

Intercom systems

Our intercom systems are suitable for a wide range of applications. We not only offer a broad product portfolio, but can also adapt the devices to your specific requirements. For example, an intercom system enhances the effectiveness of your voice alarm system even further: After an alarm has been triggered, precisely tailored measures can be taken, not only because the call receiver is available to assist the person seeking help directly, but also because announcements and instructions reach all required destinations without any problems. Managing emergencies and dangers: your TOA Intercom system is the reliable partner at your side.



Integrated system solutions for every type of sound application.

Speakers

Our versatile speaker lineup offers quality sound for music, alarm, announcements. Ceiling or wall mounted, our speakers are durable, weatherproof, and UL certified. We have a vast portfolio of loudspeakers offering the optimum solution for every requirement, whatever the location. TOA loudspeakers all have one thing in common – excellent sound!

PA / Sound systems

For many events, music plays an essential role, and yet the audio requirements are always different. Your TOA sound system offers the best possible sound for all planned occasions and events, because our systems cannot only transmit music, but also speech and all wirelessly, of course. On a technical level our solutions certainly don't sound like a compromise, but are uncompromisingly good.

Wireless line up

With our range of wireless microphones and radio transmission products, we cover the entire spectrum of possible applications. From presentations to concert sound reinforcement, from conference rooms to theatres: for your specific project, we select the perfect equipment from all the possibilities. Whether lavalier or hand-held microphone, fixed installation or mobile racks, we've got every usage requirement covered. All optimized for speech, vocals or instruments.





We supply sound, not equipment.
www.toacanada.com



Equipment for audio excellence.



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