

resources

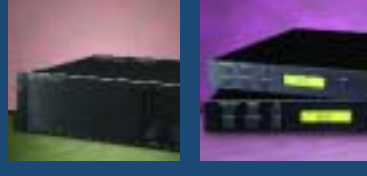
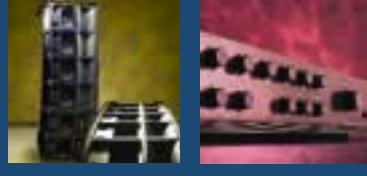
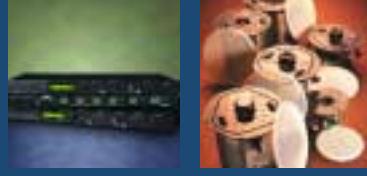
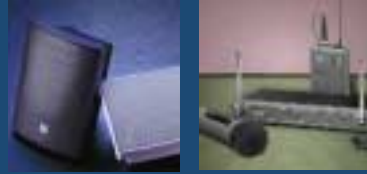
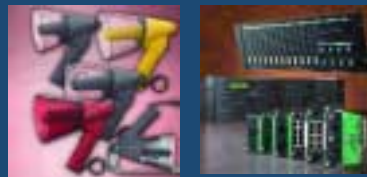
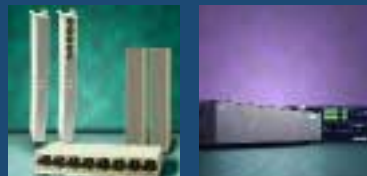
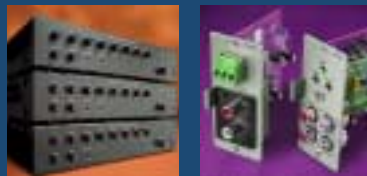
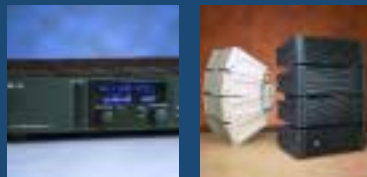
- 2007 Product Catalog
- 2007 Product Reference Guide
- Audio A & E Guide
- Amplifier and Speaker Guides
- Amplifier Training DVD
- Speaker Design Software

visit us online at  
[www.toaelectronics.com](http://www.toaelectronics.com)

TOA Electronics, Inc.  
 601 Gateway Blvd, Suite 300  
 So. San Francisco, CA 94080  
**800.733.7088**



Literature Order #: L-AUDIOBROCH  
 © 2007, TOA Electronics, Inc.



- Mixer/Amplifiers
- Power Amplifiers
- Digital Multi-Channel Amplifiers
- Digital Mixers
- Digital Signal Processors
- Ambient Noise Controllers
- Network Audio
- Wireless Microphone Systems
- Infrared Conference Systems
- Variable Dispersion Speakers
- Line Arrays
- Ceiling Speakers
- Paging Speakers
- Megaphones
- Digital Message Repeaters
- AM/FM Tuners
- IP Intercom Systems
- Video Surveillance



# 9000 Series

## modular digital matrix mixer/amplifiers

### A-9060S

1x 60W @ 25/70V, 4/8 ohms

### A-9240SH

1x 240W @ 70V

### A-9120DL

2x 120W @ 4-16 ohms

### A-9120S

1x 120W @ 25/70V, 4/8 ohms

### A-9060DH

2x 60W @ 70V

### A-9120DH

2x 120W @ 70V

### M-9000

Matrix Mixer only version



## features

- Modular matrix mixer (8x8): up to 8 mic/line inputs and 8 outputs
- Dual channel digital signal processor (DSP): ten-band parametric EQ on each input and output
- Built-in single or dual channel power amplifiers or mixer-only
- Exceptional audio quality: 24-bit, 48 kHz sampling, 0.0008% THD
- Versatile operation modes (mixer and matrix)
- Telephone zone paging
- Automatic microphone mixing
- Ambient noise control
- Eight levels of priority
- Program from front panel or PC
- Flexible remote control: remote panel, VCA, contact closure & RS-232
- Rack kit included (2RU)

## modules & accessories



### D-001T

dual mic/line input module

### T-001T

dual line output module

### ZP-001T

telephone zone paging module

### C-001T

remote control module

### AN-001T

ambient noise control module

### AN-9001

ceiling microphone for ambient noise control

### ZM-9001

remote switch panel

### ZM-9002

remote volume switch panel

### SS-9001

4-zone speaker selector

TOA 9000 Series 2006  
SCN Award Winner!  
"Most Innovative  
Product for  
Commercial Use"



TOA 9000 Series Programming Software provides convenient access to 9000 Series module selection, parametric equalizer setting, matrix routing and more.

View our complete  
product line at  
[www.toaelectronics.com](http://www.toaelectronics.com)



Integrated technology has never been smarter with the new TOA 9000

Series Digital Matrix Mixer/Amplifiers. TOA

engineers have re-defined the mixer/amplifier category by combining a compact modular mixer, digital signal processor (DSP) and single or dual channel amplifiers. Built with the same quality and reliability as our legendary 900 Series and ideal for everything from small jobs to complex multi-zone paging systems.



## DA Series digital multi-channel amplifiers

## new multi-channel amplifiers!

### MODELS

#### DA-500F-HL **New!**

4x 500W (70V) / 4x 550W (8 ohms) /  
2x 1000W bridged mode (140V)

#### DA-550F **New!**

4x 550W (4 ohms) / 4x 370W (8 ohms) /  
2x 1100W bridged mode (8 ohms)

#### DA-250FH

4x 250W (70V) / 2x 500W bridged mode (140V)

#### DA-250F

4x 250W (4 ohms) / 170W (8 ohms) /  
2x 500W bridged mode (8 ohms)

### FEATURES

- High efficiency Class D technology – 30% lower power consumption than conventional amplifiers
- Compact and lightweight
- Independent power supply for each channel
- Comprehensive protection circuitry
- Low heat dissipation

## new box speakers!

### MODELS

#### F-1000 Series

LF Driver: 4" cone woofer; HF Driver: Balanced-dome tweeter  
Power handling (cont. pgm): 90W  
Sensitivity (1W, 1m): 87dB SPL

#### F-2000 Series

LF Driver: 8" cone woofer; HF Driver: 1" hard-dome tweeter  
Power handling (cont. pgm): 180W  
Sensitivity (1W, 1m): 93dB SPL

### FEATURES

- Compact box speakers for music and voice paging distribution
- Excellent sound quality and reliable operation
- Twelve new models: available in black and white, indoor and outdoor, low impedance and 70/100V versions
- Adjustable high frequency dispersion (F-2000)
- Paintable grille and enclosure
- Wall/ceiling-mount bracket included



## F-1000/2000 Series box speakers

## new wireless systems!

### FEATURES

- Ten hours of transmitter operation from a single AA battery
- Receivers display available channels and transmitter battery status
- Up to 16 simultaneous systems
- Compatible with Password/Scout Series products
- Transmitter Options:
  - WM-5270 Vocal Handheld **New!**
  - WM-5220 Condenser Handheld
  - WM-5320 Lapel
  - WM-5320H Vocal Headset
  - WM-5320A Aerobic Headset
- Receiver Options:
  - WT-5800 True Diversity 64-channel Wireless Tuner
  - WT-5805 Space Diversity 64-channel Wireless Tuner
  - WT-5810 Portable Space Diversity 16-channel Wireless Tuner



## 5000 Series wireless microphone systems

### FEATURES

- Complete economy wireless system packages ideal for vocal or presentation applications
- Systems features include ten hours of operation from a single 9V battery, four switchable UHF frequencies and up to four simultaneous systems.
- System models include:
  - WS-200 Vocal System (Handheld Dynamic Mic + Receiver)
  - WS-300 Presentation System (Omni-Directional Condenser Lapel Mic + Bodypack Transmitter + Receiver)
  - WS-300H Headset System (Condenser Headset Mic + Bodypack Transmitter + Receiver)



## 200/300 Series wireless microphone systems

[www.toaelectronics.com](http://www.toaelectronics.com)





**FEATURES**

- Rack-mount digital mixer / processor for installed sound applications such as houses of worship, sports facilities, convention centers, airports, and others
- Automatic Resonance Control (ARC)
  - Advanced new measurement and processing algorithm improves speech intelligibility and sound quality in facilities with challenging acoustic environments
  - Automatically identifies room mode frequencies and applies an inverse response curve to compensate for the measured room response
- Modular design — up to 8 inputs and 8 outputs
- Essential audio processing tools — compressors, gates, crossovers, multi-band filtering, parametric, and more
- Network interface for remote programming and maintenance
- PC software for offsite programming and archiving settings
- Flexible remote control

**DP-K1**  
digital processor  
w/ARC



**FEATURES**

- New packaging:
  - Two units per box [models F-122CU2 (UL listed), F-2322C2, F-2352C2, F-2852C2]
- Tile bridge now included with each speaker
- Easier ordering, faster installation
- UL listing pending on all models
- Original models still available

**F Series**  
ceiling speakers



**FEATURES**

- Converts analog audio (mic or line) to standard IP format for transmission over existing local or wide area networks (LAN/WAN) including the Internet
- Bi-directional audio transport plus contact closures and serial RS-232
- Simultaneous transmission (multicast) of audio signals to up to 64 locations
- Adjustable audio quality allows efficient use of network resources

**NX-100**  
Series  
network audio

**new security products**



**FEATURES**

- Scalable network communications for up to 1280 stations over data networks (LAN/WAN)
- Flexible configuration options for existing cabling and network infrastructure
- Station Options:
  - IP Stations with Ethernet port connect directly to the network (up to 80 stations)
  - Connect up to sixteen two-wire stations to compact Network Exchange (up to 80 exchanges for up to 1,280 stations)
- Occupies minimal network bandwidth — 130 kbps max. (station to station call)
- Hands-free full-duplex conversation
- Control and monitor through software and web browser
- Versatile features including 160 zone paging, time-based call forwarding and scan monitoring

**N-8000 Series**  
network intercom



**COMBINATION DOME CAMERAS**

- Indoor and outdoor models
- Advanced features including Wide Dynamic Range and Day/Night functions

**COMPACT COLOR CAMERAS**

- Box, Integrated and Mini-Dome models available
- 1/4-inch CCD Imager, 480 TVL resolution, backlight compensation and more

**NETWORK CAMERAS & TRANSMITTERS**

- Power over Ethernet (PoE) Cameras
- Network Transmitter transports standard camera signals and audio over network
- Simultaneous transmission of MPEG-4 Video & JPEG Images
- Real-time video surveillance plus simultaneous recording and playback

**DIGITAL VIDEO RECORDERS**

- Sixteen new models!
- Integrated multiplexer supports 9 or 16 cameras
- 80, 160, 320, 600GB versions with optional DVD Burner
- 720 x 240 Resolution and 120 fps Recording
- Network and USB Interface

**MULTIPLEXERS**

- 9 to 16 Channel Duplex
- Split-screen displays
- Motion detection

**LCD AND CRT MONITORS**

- Choose from 9" to 21" models

**COAXIAL TRANSMISSION SYSTEM**

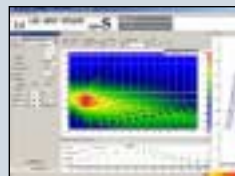
- Video, audio & switch closures over a single coaxial cable!

**CCTV**  
video surveillance



**SR Series**  
line array speakers

- SR-A Series Mid-Size and SR-S Series Slim-Size
- Short and Long Throw enclosures
- Excellent sound quality
- High power handling
- Weather-resistant versions available
- Flexible mounting hardware
- Free Ease Focus configuration software



The TOA EASE Focus Software allows system designers to perform complex simulations for TOA line array speakers.



**HX-5**  
variable dispersion speakers

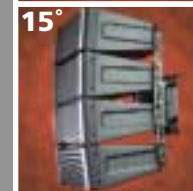
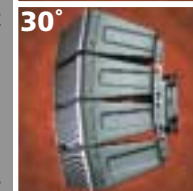
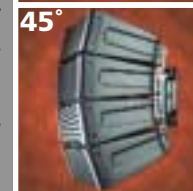
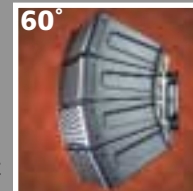
**FEATURES**

- Adjustable coverage angle: 60, 45, 30, or 15 degrees (100 degrees fixed)
- Groundbreaking, unique alternative to conventional two-way speakers for installed sound
- Compact design and modern appearance
- Lightweight polypropylene enclosure
- Flexible mounting – vertical or horizontal
- High power handling — 600 W continuous (200 W pink noise)
- Speakon and screw terminal connectors
- Available in black or white
- Weather-resistant versions available
- Optional subwoofer, model FB-120
- Optional wall, ceiling and stand mount hardware

**DESIGN & INSTALLATION**

has never been so simple!

The TOA HX-5 offers a radically different approach to speaker design with four adjustable dispersion angles — 60°, 45°, 30° and 15° — that you can change in seconds! Best of all, you get pattern control below 1kHz in a compact and lightweight enclosure that's perfect for a multitude of applications.



**TS Series**  
infrared conference systems

- Secure, wireless infrared communication
- Easy to set up and operate
- No cables on the conference table!
- Up to 96 Chairperson/ Delegate stations. Choose from rechargeable battery or AC power options
- External inputs and PA/record outputs

**SYSTEM OPTIONS**

- TS-800 (Basic System)
- TS-900 (Voting System with Simultaneous Translation)