

**D-901/DP-K1 MODULES**

**D-921F**

**MIC/LINE INPUT MODULE (2)**

- Two balanced mic or line level inputs
- 24-bit A/D converters
- Adjustable input gain
- Phantom power
- XLR-F connectors



**D-921E**

**MIC/LINE INPUT MODULE (2)**

- Two balanced mic or line level inputs
- 24-bit A/D converters
- Adjustable input gain
- Phantom power
- Phoenix-style terminal block



**D-922F**

**MIC/LINE INPUT MODULE (2)**

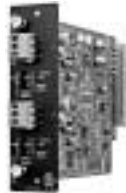
- Two balanced mic or line level inputs
- 20-bit A/D converters
- Adjustable input gain
- Phantom power
- XLR-F connectors



**D-922E**

**MIC/LINE INPUT MODULE (2)**

- Two balanced mic or line level inputs
- 20-bit A/D converters
- Adjustable input gain
- Phantom power
- Phoenix-style terminal block Connectors



**D-923AE**

**AES/EBU DIGITAL INPUT MODULE**

- Two digital inputs
- AES/EBU format
- XLR-F connector
- Maximum distance: 328 ft (100m)



**D-937SP**

**S/PDIF DIGITAL INPUT MODULE**

- Two digital inputs
- Includes both optical and coaxial connectors
- Maximum distance:
  - S/PDIF (coaxial): 32 ft (10m)
  - TOSLINK (optical): 16 ft (5m)



**D-961SP**

**S/PDIF DIGITAL OUTPUT MODULE**

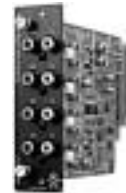
- Four digital outputs
- Includes both optical and coaxial connectors
- Maximum distance:
  - S/PDIF (coaxial): 32 ft (10m)
  - TOSLINK (optical): 16 ft (5m)



**D-936R**

**STEREO INPUT MODULE (4)**

- Four stereo connector pairs
- Unbalanced line level
- Individual input gain
- Programmable switching between connector pairs or summing mode
- Occupies two input channels
- RCA pin jack connectors



**D-971M**

**LINE OUTPUT MODULE (4)**

- Four balanced line level outputs
- XLR-M connectors



**D-971E**

**LINE OUTPUT MODULE (4)**

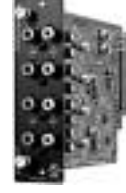
- Four balanced line level outputs
- Phoenix-style terminal block connectors



**D-971R**

**LINE OUTPUT MODULE (4)**

- Four stereo or mono sum line level outputs
- RCA pin jack connectors



**D-981**

**REMOTE CONTROL MODULE**

- Eight programmable switch closure inputs for activation of memory, volume up/down, channel on/off and stereo input selection
- Eight programmable relay outputs of memory, channel on/off, contact input status and stereo input selection



**D-972AE**

**AES/EBU DIGITAL OUTPUT MODULE**

- Four digital outputs
- AES/EBU format
- XLR-M connectors
- Maximum distance: 328 ft (100m)



**D-983**

**REMOTE CONTROL MODULE**

- Twenty-four programmable switch closure inputs for activation of memory, volume up/down, channel on/off and stereo input selection
- Sixteen programmable relay outputs of memory, channel on/off, contact input status and stereo input selection



**D-984VC**

**VCA CONTROL MODULE (D-901 only)**

- Interface to D-911 Remote Controller via Cat5 cables or configure custom interface
- Eight RJ-45 connectors
- Control up to 12 inputs, eight outputs
- Eight programmable switch closure inputs for activation of memory, volume up/down, channel on/off and stereo input selection
- Eight programmable relay outputs of memory, channel on/off, contact input status and stereo input selection





## MIXERS

### M-9000 – NEW!

#### MODULAR DIGITAL MATRIX MIXER/PROCESSOR

- Modular Design – Eight module slots allow up to 8 mic/line inputs and 8 line outputs
- Dual Channel Digital Signal Processor (DSP):
  - 10-Band Parametric EQ
  - High and Low Pass Filters
  - Bass and Treble
  - Loudness
  - Compressor
  - Delay (Mix mode)
  - Automixing (Mix mode)
  - TOA Speaker EQ Presets
  - Additional DSP included on D-001T & T-001T modules



- Matrix and Mix Modes – two separate feature sets to suit both zone paging matrix and conventional mixing applications
- Two balanced line outputs
- Rack kit included (2RU)
- Five Year Warranty

See page 4 for complete feature listing.  
See page 5 for modules.

### M-900MK2

#### 8-CHANNEL MODULAR MIXER

- Eight module slots accept any combination of TOA plug-in modules for custom system configurations
- Balanced, transformer-isolated output with selectable impedance, screw terminal connector and protective cover plate
- Dual mute bus permits multiple levels of paging priority using optional mute-type modules
- External mute terminals for activating mute function with external switch-closure
- Remote master volume terminals for control with an external 10k ohm linear-taper potentiometer (supplied by others)
- Individual channel and master volume controls
- Bass/treble tone controls with tone defeat switch
- Auxiliary output for connecting an external mixer or recording device



- Bridging input/output for input expansion or recording device
- Normal, clip, power, protect, and signal indicators provide unit status
- Rear panel AC convenience outlet for powering external equipment
- Turn-on delay disconnects output during power-up
- Volume control security knobs included (4)
- Optional rack-mount kit, model MB-25B (2 RU)
- UL / cUL listed
- Five year warranty

See pages 7-9 for modules.

### M-243

#### 6-CHANNEL STEREO MIXER

- Two mono mic/line inputs, each with compressor and high pass filter
- Four stereo inputs with RCA and 1/4" phone plug connectors
- Stereo output with separate paralleled record outputs
- Two mono outputs, switchable to stereo sum
- Inputs independently assignable to any combination of stereo and mono outputs
- Stereo and mono sub-inputs for direct access to individual mixing buses



- Auto-priority of mono over stereo inputs for paging/BGM applications
- Low and high frequency EQ for stereo output (with clipping indicators)
- Security cover and rack-mount kit included (1 RU)
- Five year warranty

**FIVE YEAR WARRANTY**

**FREE TECHNICAL SUPPORT**





## DP-L2 – NEW!

### DIGITAL AMBIENT NOISE CONTROLLER

- Digital ambient noise control (ANC) function with 4-LED metering automatically adjusts output gain to match changes in ambient noise levels
- Exclusive TOA algorithm distinguishes unit output sound level from ambient noise levels, for more accurate control
- Monitor output for sound picked up by the ambient noise sensor microphone (not included)
- Automatic level control feature with 4-LED metering maintains input signal at a constant level by adjusting input signals to appropriate levels when the sound level is too low
- Sound volume is controlled without losing nuances of speech or compromising background music sound quality (this prevents unnatural sound effects that often results when using conventional Automatic Gain Control or compressor)
- Maximum Output function acts as a limiter



- Sensor input reference level fine adjustment function
- Sensor input phantom power
- 8-LED input and output level metering
- Auto input sensitivity setting and sensor input reference level measurement function
- Front panel LCD screen, keys and knobs ensure easy access to all settings
- Built-in key lock function prevents unauthorized adjustment
- Optional ceiling/wall-mount microphone, model AN-9001
- Rack kit included (1 RU)
- Five year warranty

## DP-0206

### MODULAR DSP

- Digital signal processor for permanent installations
- Essential audio processing tools – compressors, limiters, noise gates, crossovers, multi-band filtering, parametric and graphic eq, high/low-pass, all-pass and notch filters, horn EQ, high/low shelving, driver alignment and output delays
- Modular design – 2-input/6-output (2x6), easily expandable to 2x8, 2x10, 4x6, 4x8, or 6x6 using optional analog or digital I/O modules
- Built-in matrix/router allows any combination of input-to-output signal routing for zoning or room-combining applications
- 12 filters on each input and each output - any combination of parametric, all-pass, notch, high/low pass/shelving and CD horn EQ
- Smart and TEF data import function allows crossover and equalization tuning of measured speaker system response files exported from SIA Smart and Goldline TEF software
- Unmatched TOA quality and reliability, successor to the popular DACsys II series
- Superior sound quality - 110 dB dynamic range
- TOA Clear Conversion technology with precise 24-bit analog-to-digital conversion
- 16 on-board memories for storage and recall of different signal routing and parameter configurations
- Intuitive control software for simultaneous programming and control of up to 30 DP-0206 units via RS-232 or RS-485 serial communication
- Flexible remote control with simple dry contact-closure activation of memory recall, output volume control and output muting via programmable control module (optional)
- Control protocol available for interfacing with remote control devices such as AMX or Crestron
- Effortless connection from computer to unit with automatic com port, baud rate and unit ID detection
- Comprehensive security features (hardware and software) for front panel lock and password-protecting system settings
- Five year warranty



Inputs	Outputs	DQ-A01 Dual (2) Analog Input Module*	DQ-A02 Dual (2) Analog Output Module*
2	6	—	—
2	8	—	1
2	10	—	2
4	6	1	—
4	8	1	1
6	6	2	—

### DP-0206 Digital Signal Processor (2-Input / 6-Output)

DQ-A01 Dual Analog Input Module\*

DQ-A02 Dual Analog Output Module\*

DQ-D01 Dual Digital (AES/EBU) Input/Output Module (switch-selectable)

DQ-C01 Remote Control Module (Memory/Volume/Mute)

\*Two I/O expansion slots allow any combination of analog or digital I/O modules

### EXPANDABLE I/O

Using optional modules, the 2-input/6-output DP-0206 can be easily expanded allowing you to specify the correct number of inputs and outputs for each application. Substitute the DQ-D01 Dual Digital Input/Output Module (AES/EBU) for the DQ-A01 or the DQ-A02 to provide two digital input channels or two digital output channels (switch-selectable).





## SIGNAL PROCESSORS



### E-1231

#### 28-BAND GRAPHIC EQUALIZER

- 28 filters on 1/3 octave center frequencies from 31.5 Hz to 16k Hz (+/- 12 dB)
- Noiseless center-detent slide controls with precision-calibrated linear scales
- High and low pass filters
- ±12 dB input gain control
- In/out peak level indicator
- Hardwire bypass if power fails
- Security cover and rack-mount brackets included (2 RU)
- Five year warranty



### D-1103

#### DIGITAL SIGNAL DELAY

- One input and three individually delayed outputs
- Each output individually adjustable from 0 to 655 milliseconds in 10 microsecond intervals
- Electronically-balanced input and outputs with screw-terminal connectors and optional transformers
- Individual input and output volume controls
- Four remote controllable memory presets
- Input bar-graph meter
- Protect switch disables front panel operation
- Automatic bypass if power fails
- Security cover and rack-mount brackets included (1 RU)
- Five year warranty



### E-232

#### 14-BAND DUAL CHANNEL GRAPHIC EQUALIZER

- 14 filters on 2/3 octave center frequencies from 40 Hz to 16k Hz (+/- 6 or 12 dB)
- Noiseless center-detent slide controls with precision-calibrated linear scales
- Independent selection for boost and cut of 6 or 12 dB
- ±12 dB input gain control and high pass filter
- In/out peak level indicator
- Automatic bypass if power fails
- Security cover and rack-mount brackets included (1 RU)
- Five year warranty



### L-1102

#### DUAL CHANNEL LEVELER/LIMITER

- Two channels of independent processing
- Leveling function for "constant" outputs
- Limiter mode "Sense" input actively monitors low or high impedance power amplifier outputs
- Signal dependent attack and release for smooth and transparent operation
- Noise gate on each channel eliminates noise when there is no input signal present
- 20 dB makeup gain in Leveler mode
- Electronically-balanced inputs and outputs with screw-terminal connectors and optional transformers
- Gain reduction meter
- Security cover and rack-mount brackets included (1 RU)
- Five year warranty



## MONITOR PANELS



### MP-1216

#### 16-CHANNEL ACTIVE MONITOR PANEL

- Sixteen transformer-isolated, bridging inputs for monitoring line level or low and high impedance speaker line signals
- Separate bar graph meter for each input
- Internal speaker with selector switch for individual channel monitoring
- Two units can be linked for 32 channel monitoring using optional cable, model YA-8
- Built-in rack-mount brackets (2 RU)
- Five year warranty



### MP-032B

#### 10-CHANNEL PASSIVE MONITOR PANEL

- Ten input channels for monitoring high impedance speaker lines
- VU meter
- Internal speaker with selector switch for individual channel monitoring
- Built-in rack-mount brackets (3 RU)
- Five year warranty

