



## Dual-Channel Digital Mixing Amplifier



# A-9500D2 Dual-Channel Digital Mixing Amplifier

A-9500D2 is designed to be used in conjunction with optional modules and can be configured for up to 8 inputs and 8 outputs. Usable modules include the following 9000 Series plug-in modules: D-001T and D-001R (2-channel input), T-001T (Audio output expansion), C-001T (Control I/O expansion), ZP-001T (Zone paging), AN-001T (Ambient noise sensor), and RC-001T (Remote controller interface), as well as 900 Series input modules. The most appropriate modules can be selected depending on applications.

It can be used as a mixer that is appropriate for speech or sound reinforcement applications, and equipped with signal processing and control functions, permitting all parameters to be set at the unit via VFD (vacuum uorescent display) panel or on PC using the supplied dedicated software.

## Features

- Dual-channel 500 W power amplifier (100 V)
- Eight module slots enable audio input and output configuration ranging from 1 input and 1 output to 8 inputs and 8 outputs
- Paging calls can be made from the designated outputs by setting the paging source, priority, and trigger even while the unit is being used as a mixer
- Up to 32 mixing settings can be stored as Scene memory, which can be recalled by the unit or external connected equipment
- Different paging calls can be selectively used depending on situations as two or more paging sources can be set and different priority levels can be assigned to them
- RS-232C port permits remote control of the unit using an AMX or Crestron controller, or similar external equipment
- A ducker function permits paging calls to be made without interrupting BGM broadcasts. Besides, an auto-mixing function (ducker function and NOM attenuation function) automatically adjusts the output gain

## Specifications

| A-9500D2 Dual-Channel Digital Mixing Amplifier |  |
|--|--|
| Power Source                                   | 220 - 240 V AC, 50/60 Hz   |
| Power Consumption                              | 220 W  |
| Audio Input                                    | Max. 8 channels, modular construction*1  |
| Speaker Output 1, 2                            | 100 V, 500 W, 20 • , M4 Screw Terminal   |
| Amplification System                           | Class D  |
| Module Slot                                    | Analog Input (slot 1 - 8): -10 dB*2, 10 k• , unbalanced<br>Digital Input (slot 1 - 4): 24 bit/48 kHz<br>MIX output (slot 1 - 8): -14 dB*2, 330 • (CH 1 pre-fader output), unbalanced<br>Digital Output (slot 5 - 7): 24 bit/48 kHz<br>Power Supply (slot 1 - 8): +24 V, -24 V, +6 V DC   |
| Digital Audio Signal Reference Level           | -20 dB FS  |
| Frequency Response                             | 20 Hz - 20 kHz, +1, -3 dB  |
| Total Harmonic Distortion                      | 0.3%   |
| S/N Ratio                                      | At input short, 20 Hz - 20 kHz, ALL FLAT of OFF setting<br>Min. output volume: 85 dB, Min. output volume: 61 dB (Input 1 volume: 0 dB, other inputs: OFF)  |
| Cross Talk                                     | Over 60 dB (at 20 kHz)   |
| Tone Control                                   | Bass: ±12 dB (at 100 Hz), Treble: ±12 dB (at 10 kHz)   |
| Parametric Equalizer                           | 10 bands, Frequency: 20 Hz - 20 kHz, 31 points, Variable range: ±12 dB, Q: 0.3 - 5   |
| Speaker Equalizer                              | 10 (PC software has 30 TOA speaker presets)  |
| High-pass Filter                               | -12 dB/oct, Variable frequency range: 20 Hz - 20 kHz, 31 points  |
| Compressor                                     | Depth: 1 - 5   |
| Delay  | 0 - 40 ms ( 1 ms steps), maximum 40 ms (CH 1 + CH 2), mixer mode only  |
| Scene Memory                                   | 32   |
| Auxiliary Function                             | Key lock function  |
| Control Input/Output                           | RS-232C*3, D-sub Connector (9P, female)<br>Control Input: 4 inputs, no-voltage make contact input, open voltage: 3.3 V DC, short-circuit current: under 1 mA, removable terminal block (14 pins)<br>Control Output: 4 outputs, open collector output, withstand voltage: 27 V DC, control current: 50 mA, removable terminal block (14 pins)<br>Remote Volume: 2 channels, connect a 10 k• /linear taper variable resistor or input the DC voltage of 0 to +10 V, removable terminal block (14 pins) |
| Operating Temperature                          | -10 °C to 40 °C  |
| Operating Humidity                             | 35% to 80% RH (no condensation)  |
| Finish   | Panel : Aluminum, hair-line, black; Case : Surface-treated steel plate, black, paint   |
| Dimensions                                     | 420 (W) x 107.6 (H) x 415 (D) mm   |
| Weight   | 9.6 kg   |

\*1 Factory slot 1 is already installed D-001T module, other modules must be purchased separately \*2 0 dB = 1 V

\*3 Allowing it to be controlled by a control system such as AMX and Crestron through RS-232C port