



# A-9500D2

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 fluorescent 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 VAC, 50/60 Hz
Power Consumption	220 W
Audio Input	Max. 8 channels, modular construction**
Speaker Output 1,2	100 V, 500 W, 20 $\phi$ , M4 Screw Terminal
Amplification System	Class D
Module Slot	Analog Input (slot 1 - 8): -10 dB $^2$ , 10 $\phi$ , unbalanced Digital Input (slot 1 - 4): 24 bit/48 kHz MIX output (slot 1 - 8): -14 dB $^2$ , 330 $\phi$ (CH1 pre-fader output), unbalanced Digital Output (slot 5 - 7): 24 bit/48 kHz Power Supply (slot 1 - 8): +24 V, -24 V, +6 VDC
Digital Audio Signal Reference Level	-20 dBFS
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 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: $\pm$ 12 dB (at 100 Hz), Treble: $\pm$ 12 dB (at 10 kHz)
Parametric Equalizer	10 bands, Frequency: 20 Hz - 20 kHz, 31 points, Variable range: $\pm$ 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 (CH1 + CH2), mixer mode only
Scene Memory	32
Auxiliary Function	Key lock function
Control Input/Output	RS-232C $^3$ , D-sub Connector (9P, female) 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) Control Output: 4 outputs, open collector output, withstand voltage: 27 V DC, control current: 50 mA, removable terminal block (14 pins) Remote Volume: 2 channels, connect a 10 $\phi$ /linear taper variable resistor or input the DC voltage of 0 to +10 V, removable terminal block (14 pins)
Operating Temperature	-10 $^{\circ}$ C to 40 $^{\circ}$ 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

\*\*0 dB = 1 V

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