

Compact 40W 70V/100V Audio Amplifier with Mic Mixer

3 Switchable Inputs — RCA, 3.5mm, TOSLINK — with RS232, IR & Front Panel Control

MPN: AP3DBL



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators, systems designers, and commercial AV installers specifying audio distribution for classrooms, conference rooms, lecture halls, hospitality, and multi-zone paging environments.

THE CHALLENGE

Small commercial spaces need a cost-effective, compact amplifier that handles multiple source types — including digital optical — with MIC mixing and ducking, without requiring a full rack-mount mixer-amplifier.

THE KANEXPRO ADVANTAGE

Compact desktop chassis with TOSLINK digital input, 48V phantom power MIC, auto-ducking, and 16-address RS232 ID loop — all at 40W/70V/100V. CE/FCC/UL certified with 3-year warranty and KanexPro channel support.

2 PRODUCT POSITIONING

AP3DBL is the compact 40W mixer amplifier for commercial AV integrators who need multi-source input flexibility, MIC mixing with ducking, and RS232 loop control — without a rack-mount chassis.

3 APPLICATIONS

Classroom Audio

Drives 70V ceiling speakers with MIC ducking — teacher mic automatically overrides background music.

Conference Room

Combines PC/laptop audio with condenser microphone (48V phantom) for distributed playback and live paging.

Hospitality & Dining

TOSLINK digital music source with staff paging mic override — auto-ducking for seamless announce-over-music.

Lecture Hall Paging

16 addressable RS232 ID codes enable independent zone control from a single control PC via ID loop chaining.

Multi-Zone BGM

Stereo line output feeds additional zone amplifiers for expanded coverage. All zones share RS232 loop control.

Wireless Mic Integration

LINE mode on MIC input accepts wireless microphone receiver output — balanced or unbalanced wiring supported.

4 WHO THIS IS FOR

AV Integrator

Commercial AV

Education

Hospitality

Corporate AV

Ideal User

Commercial AV integrator or systems designer specifying audio for small-to-medium installed environments.

Project Types

K-12 and higher education classrooms, corporate conference rooms, lecture halls, restaurants, hotels, retail.

Typical Buyer

Integrator specs at project design phase. Procurement via KanexPro authorized distributor or dealer.

5 KANEXPRO PRODUCT COMPARISON

AP3DBL is purpose-built for compact, single-zone installs requiring digital audio input and MIC mixing.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
AP3DBL	Classroom, conf, hospitality	Compact, TOSLINK, 48V phantom, 16-ID RS232 loop	<i>This product</i>
Dayton DA40T	Commercial install	40W, 70V/100V, 2-mic + telephone paging	Larger chassis (rackmount), no TOSLINK input
Alfatron PA100V	Commercial install	40W, 70V/100V, mic ducking, similar spec	Same OEM lineage; KanexPro adds channel support

→ Spec AP3DBL where TOSLINK digital input, 48V phantom MIC, and compact chassis are required.

6 FREQUENTLY ASKED QUESTIONS

Q: Can I use a condenser microphone with phantom power?

Yes. Set the MIC mode switch to 48V. The MIC input supplies 48V phantom power for condenser microphones. Only condenser microphones should be connected in this mode.

Q: How does the ducking function work?

When MIC audio is detected, line output automatically attenuates to a preset level (set via RS232 command 4[xx]%). After MIC signal stops, audio returns to normal level after 5 seconds. Enable/disable via RS232 command 610%.

Q: Can I control multiple AP3DBL units from one RS232 port?

Yes. Chain units via RS232 ID loop (TX → RX pass-through). Set unique ID codes (1–F) on each unit. Prefix commands with the ID number (e.g., 5/603%) to address a specific unit. ID=0 responds to all commands.

Q: What speaker load can I connect?

Connect speakers to the 70V or 100V output tap matching your speaker system. Total connected speaker power must not exceed 40W. Multiple speakers can be wired in parallel provided the total load stays within the 40W limit.

Q: Does the line output volume track the amplifier volume?

Yes — the stereo line output level is controllable, allowing independent level setting for the zone feed to downstream amplifiers or recording equipment.