

DESCRIPTION

The VA-120DPB-AS is a wireless streaming 120W power amplifier with network and Bluetooth® connectivity. Its output is compatible with both high-impedance (100V lines) and low-impedance (4Ω) speaker connections. It permits not only support streaming high-quality music, but also equipped with an external power amplifier input capability for priority broadcast. With the compact design and lightweight, it can be mounted in an EIA Standard equipment rack (1 unit size), desktop and wall mount installation. The VA-120DPB-AS is ideal for high-quality music streaming, BGM and paging announcement application in hotels, retail stores, restaurant or coffee shop.

SPECIFICATIONS

Power Source	100 – 240 V AC 50/60 Hz
Rated Output	120 W (Speaker Output)
Power Consumption	170 W (rated output), 45 W (1/8 of rated output)
Frequency Response	20 Hz to 20 kHz
Distortion	1 % or less at 1 kHz (20 kHz LPF (AUX-0025))
Tone Control (only mobile app)	Bass: ±10 dB at 100 Hz Treble: ±10 dB at 10 kHz
Signal to Noise Ratio	70 dB or more
Audio Input	LINE IN: -10 dB (*1), 10 kΩ, Ø3.5 mm stereo mini-jack BLUETOOTH: 5.0 SBC/AAC Wi-Fi: IEEE 802.11 b/g/n 2.4GHz LAN: 10/100M Ethernet, RJ45 USB (storage): USB 2.0 Type-A port (*2) USB (PC): Micro-USB port EXT AMP IN: 40 dB (*1) (100 V line), 65 kΩ, transformer balanced, removable terminal block (5 pins)
Audio Output	SPEAKER OUT: Low impedance (4–16 Ω)/High impedance (100 V line/total 83 Ω) selectable, removable terminal block (5 pins) LINE OUT: -10 dB (*1), 10 kΩ, Ø3.5 mm stereo mini-jack
Audio format	FLAC/MP3/AAC/AAC+/ALAC/APE/WAV
Sampling Frequency	Decoding up to 192 kHz/24 bits.
Control Input	CTRL IN: No-voltage make contact input, open voltage: 35 V DC or less, short-circuit current: 10 mA or less, removable terminal block (2 pins)
LED Indicators	NET (Green), Bluetooth (Green), USB (Green), LINE (Green), SIGNAL (Green), PEAK (Red), PROTECT (Red), STANDBY (Orange), POWER (Green)
Operating Temperature	0 to +40 °C (32 to 104 °F)
Operating Humidity	90 % RH or less (no condensation)
Finish	Front case: Surface-treated steel plate, black, paint Rear chassis: Surface-treated steel plate
Dimensions	210 (W) X 44 (H) X 200 (D) mm or 8.27" X 1.73" X 7.87" (excluding projection)
Weight	1.8 kg (3.97 lb)
Accessories	Removable terminal plug (5 mm, 5 pins).....1 Removable terminal plug (3.8 mm, 2 pins).....1 Power supply cord (2 m (6.56 ft)).....1 External antenna.....2
Option (*3)	Half width blank panel: MB-15B-BK (for rack mounting one VA-120DPB-AS unit)

(*1) 0 dB = 1 V

(*2) A USB 2.0-compatible FAT32-formatted flash memory device of up to 32 GB in capacity can be used.

(*3) When using the optional MB-15B-BK, use the bracket mounting screws supplied with this unit.

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TOA

STREAMING AMPLIFIER VA-120DPB

200 [7.87"]

210 [8.27"]

INPUT

NET USB LINE

AMPLIFIER

SIGNAL PEAK PROTECT STANDBY POWER

VOL/SEL

Diagram of the back of the TOA 1200PB-AS amplifier. The label on the back reads:

TOA SER.
 STREAMING AMPLIFIER
 model VA-1200PB-AS 1
 AC 100-240V~50/60Hz 45W
 TOA corporation
 MADE IN VIETNAM (C81)

Technical drawing of a mechanical part showing dimensions: 5, 6, 10, 80, 7~10.

24G