



# VA-120DPB

## Streaming Amplifier

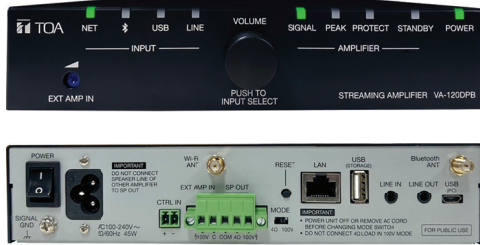


A wireless streaming power amplifier with network and Bluetooth connectivity.

**We supply sound,  
not equipment.**

## DESCRIPTION

The VA-120DPB 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 (4 Ω) 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 is ideal for high-quality music streaming, BGM and paging announcement application in hotels, retail stores, restaurant or coffee shop.



## APPLICATIONS



Coffee House



Restaurant



Retail Store



Hotel

## SPECIFICATION

|                                   |                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                | 40 Hz to 20 kHz                                                                                                                                                                                                                                                                                                                   |
| Distortion                        | 1 % or less at 1 kHz (20 kHz LPF (AUX-0025))                                                                                                                                                                                                                                                                                      |
| Tone Control<br>(only mobile app) | Bass: ±10 dB at 100 Hz<br>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<br>BLUETOOTH: 5.0 SBC/AAC<br>Wi-Fi: IEEE 802.11 b/g/n 2.4GHz<br>LAN: 10/1 QOM Ethernet, RJ45<br>USB (storage): USB 2.0 Type-A port (*2)<br>USB (PCI): Micro-USB port<br>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 83Ω) selectable. removable terminal block (5 pins)<br>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),<br>SIGNAL (Green), PEAK (Red), PROTECT (Red), STANDBY (Orange), POWER (Green)                                                                                                                                                                                          |
| Operating Temperature             | 0 to +40°C                                                                                                                                                                                                                                                                                                                        |
| Operating Humidity                | 90 % RH or less (no condensation)                                                                                                                                                                                                                                                                                                 |
| Finish                            | Front case: Surface-treated steel plate, black, paint<br>Rear chassis: Surface-treated steel plate                                                                                                                                                                                                                                |
| Dimensions (W x H x D)            | 210 x 44 x 200 mm (excluding projection)                                                                                                                                                                                                                                                                                          |
| Weight                            | 1.8 kg                                                                                                                                                                                                                                                                                                                            |
| Accessories                       | Removable terminal plug (5 mm, 5 pins)..... 1<br>Removable terminal plug (3.8 mm, 2 pins).... 1<br>Power supply cord (2 m (6.56 ft)).... 1<br>External antenna ..... 2                                                                                                                                                            |
| Option (*3)                       | Half width blank panel: MB-15B-BK (for rack mounting one VA-120DPB unit)                                                                                                                                                                                                                                                          |

(\*1) 0 dB = 1V

(\*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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