
IP Power Amplifier

The IP power amplifier shall be able to amplify audio signals connected to audio input terminals or received through network. It shall be equipped with 25V, 70V and 100V speaker line outputs to drive high impedance loudspeakers with an internal 12 watt amplifier. The IP power amplifier shall be able to receive digital audio streams from SIP, ONVIF or Multicast for example, into analogue signals for the purpose of broadcasting public announcements. Broadcast shall be able to be controlled using remote HTTP control API or control inputs from connected external equipment and local inputs. The IP power amplifier shall be equipped with 25V, 70V or 100V line high impedance external amplifier input. The internal connection to loudspeakers shall be able to be switched between the internal amplifier and an external amplifier by mute control input, control input, system mute, remote API control or the unit power off. The IP power amplifier shall have an electronically balanced 10k Ω audio input with LINE/MIC selection and a 600 Ω electronically balanced output. The audio input shall have an independent volume control on the front panel that can only be adjusted by using a screwdriver. The IP power amplifier shall offer priority status among the various broadcast modes that will override and interrupt a lower priority broadcast. The IP power amplifier shall be capable of being muted by TOA IP-A1PG IP Paging Gateway or IP-A1RM IP Remote Microphone as the highest priority operation. Twenty multi-cast ports shall be available for group paging and shall have the facility of storing up to twenty audio files with the code of WAV or MP3 format internally. The device shall have the flexibility of broadcasting these files at predetermined times by setting the start and end time along with the day(s) of the week, or repeated, when necessary, triggered from a control input or from remote API (HTTP). The IP audio interface shall be capable of being muted by TOA IP-A1PG Paging Gateway or TOA IP-A1RM Remote Microphone as the highest priority operation. Remote settings shall be achieved by connection to a Windows[®] based personal computer and by using the PC's browser, operational settings, functions and system status can be established. Power source shall be supplied from a PoE+ switching hub. The IP power amplifier shall be housed in black treated steel plate and its dimension shall be 210 (W) x 44 (H) x 81.5 (D) mm (8.27" x 1.73" x 3.21") weighing 940 g (2.07 lbs).

Optional extras: Rack mounting bracket: MB-15B-BK Wall mounting bracket: MB-15B
manufactured by TOA Corporation
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Model: IP-A1PA12