
Mixer Power Amplifier

The mixer power amplifier shall use digital Class-D technology with active PFC (power factor correction) circuit to achieve a power output of 120 W and shall include 4 microphone inputs and 2 auxiliary inputs and switchable 70 V (42 Ω) line, or 4 - 16 Ω low impedance outputs. The mixer power amplifier shall be able to connect to a PC and have the facilities for remote access and settings by using a web browser.

Inputs 1 and 2 shall be electronically balanced and selectable, offering MIC or LINE. Inputs 3 and 4 shall be fixed electronically balanced 600 Ω inputs. Inputs 1 - 4 shall have the switchable option of 24 V DC phantom power and shall be connected via a 3-pin removable terminal block. Inputs 5 and 6 shall offer either electronically balanced 600 Ω MIC inputs via a 3-pin removable terminal block, or a 10 k Ω unbalanced LINE inputs via two RCA connectors. Additionally, there shall be 2 x RCA connectors for external recordings and RCA pre-amp input and output for the purpose of adding additional amplification, or signal processing.

The mixer power amplifiers shall include two module slots to facilitate 900 series modules, manufactured by TOA Corporation, to increase its versatility of a wide range of operating applications.

The mixer power amplifier shall accommodate up to eight levels of priority and via the remote protocol software, it shall be possible to edit the manufacturer's standard default settings. The device shall also have an emergency priority that will broadcast at full volume even when the equipment is powered OFF and regardless of the set value of the volume controls. It shall be able to mute audio signals from the browser using manual mode.

The mixer power amplifier shall have an internal chime generator with dedicated volume adjustment allowing a 1-note tone, 2-note tone or a 4-note ascending tone. In addition, there shall be adjustable ducking facilities to decrease background music while announcements are being broadcast. The device shall have a frequency response of 50 Hz – 20 kHz with separate treble and bass controls located on the front panel.

Additional equalization parameters can be achieved via the RJ45 network terminal located on the rear panel and by accessing a web browser, status display, setting content display, input priority setting and display, remote volume, network settings, account settings, and firmware updates can also be performed.

The mixer power amplifier shall have separate volume controls for each input channel and a master volume control that will adjust all input levels simultaneously. There shall be a visual five LED output level meter and visual LED indication of internal errors, over current, thermal protection, LAN connection, emergency broadcast, priority broadcast and CPU run.

Power requirements shall be 120 V AC via a supplied power cord. The unit shall use 2 space units of a standard EIA component rack space and its dimensions shall be 420 (W) X 96.1 (H) X 313.1(D) mm (16.54" x 3.78" x 12.33"). Weight shall be 5.2 kg (11.46 lb.) and finished in black ABS resin front panel, with black surface-treated steel plate case. Optional extras; input transformer: IT-450, perforated panel: PF-013B, manufactured by TOA Corporation.

Manufacturer: TOA Corporation

Model: A-812D

Mixer Power Amplifier

The mixer power amplifier shall use digital Class-D technology with active PFC (power factor correction) circuit to achieve a power output of 240 W and shall include 4 microphone inputs and 2 auxiliary inputs and switchable 70 V (21 Ω) line, or 4 - 16 Ω low impedance outputs. The mixer power amplifier shall be able to connect to a PC and have the facilities for remote access and settings by using a web browser.

Inputs 1 and 2 shall be electronically balanced and selectable, offering MIC or LINE. Inputs 3 and 4 shall be fixed electronically balanced 600 Ω inputs. Inputs 1 - 4 shall have the switchable option of 24 V DC phantom power and shall be connected via a 3-pin removable terminal block. Inputs 5 and 6 shall offer either electronically balanced 600 Ω MIC inputs via a 3-pin removable terminal block, or a 10 k Ω unbalanced LINE inputs via two RCA connectors. Additionally, there shall be 2 x RCA connectors for external recordings and RCA pre-amp input and output for the purpose of adding additional amplification, or signal processing.

The mixer power amplifiers shall include two module slots to facilitate 900 series modules, manufactured by TOA Corporation, to increase its versatility of a wide range of operating applications.

The mixer power amplifier shall accommodate up to eight levels of priority and via the remote protocol software, it shall be possible to edit the manufacturer's standard default settings. The device shall also have an emergency priority that will broadcast at full volume even when the equipment is powered OFF and regardless of the set value of the volume controls. It shall be able to mute audio signals from the browser using manual mode.

The mixer power amplifier shall have an internal chime generator with dedicated volume adjustment allowing a 1-note tone, 2-note tone or a 4-note ascending tone. In addition, there shall be adjustable ducking facilities to decrease background music while announcements are being broadcast. The device shall have a frequency response of 50 Hz – 20 kHz with separate treble and bass controls located on the front panel. Additional equalization parameters can be achieved via the RJ45 network terminal located on the rear panel and by accessing a web browser, status display, setting content display, input priority setting and display, remote volume, network settings, account settings, and firmware updates can also be performed.

The mixer power amplifier shall have separate volume controls for each input channel and a master volume control that will adjust all input levels simultaneously. There shall be a visual five LED output level meter and visual LED indication of internal errors, over current, thermal protection, LAN connection, emergency broadcast, priority broadcast and CPU run.

Power requirements shall be 120 V AC via a supplied power cord. The unit shall use 2 space units of a standard EIA component rack space and its dimensions shall be 420 (W) X 96.1 (H) X 313.1(D) mm (16.54" x 3.78" x 12.33"). Weight shall be 5.2 kg (11.46 lb.) and finished in black ABS resin front panel, with black surface-treated steel plate case.

Optional extras; input transformer: IT-450, perforated panel: PF-013B, manufactured by TOA Corporation.

Manufacturer: TOA Corporation

Model: A-824D

Mixer Power Amplifier

The mixer power amplifier shall use digital Class-D technology with active PFC (power factor correction) circuit to achieve a power output of 480 W and shall include 4 microphone inputs and 2 auxiliary inputs and switchable 70 V (10 Ω) line, or 4 - 16 Ω low impedance outputs. The mixer power amplifier shall be able to connect to a PC and have the facilities for remote access and settings by using a web browser.

Inputs 1 and 2 shall be electronically balanced and selectable, offering MIC or LINE. Inputs 3 and 4 shall be fixed electronically balanced 600 Ω inputs. Inputs 1 - 4 shall have the switchable option of 24 V DC phantom power and shall be connected via a 3-pin removable terminal block. Inputs 5 and 6 shall offer either electronically balanced 600 Ω MIC inputs via a 3-pin removable terminal block, or a 10 k Ω unbalanced LINE inputs via two RCA connectors. Additionally, there shall be 2 x RCA connectors for external recordings and RCA pre-amp input and output for the purpose of adding additional amplification, or signal processing.

The mixer power amplifiers shall include two module slots to facilitate 900 series modules, manufactured by TOA Corporation, to increase its versatility of a wide range of operating applications.

The mixer power amplifier shall accommodate up to eight levels of priority and via the remote protocol software, it shall be possible to edit the manufacturer's standard default settings. The device shall also have an emergency priority that will broadcast at full volume even when the equipment is powered OFF and regardless of the set value of the volume controls. It shall be able to mute audio signals from the browser using manual mode.

The mixer power amplifier shall have an internal chime generator with dedicated volume adjustment allowing a 1-note tone, 2-note tone or a 4-note ascending tone. In addition, there shall be adjustable ducking facilities to decrease background music while announcements are being broadcast. The device shall have a frequency response of 50 Hz – 20 kHz with separate treble and bass controls located on the front panel. Additional equalization parameters can be achieved via the RJ45 network terminal located on the rear panel and by accessing a web browser, status display, setting content display, input priority setting and display, remote volume, network settings, account settings, and firmware updates can also be performed.

The mixer power amplifier shall have separate volume controls for each input channel and a master volume control that will adjust all input levels simultaneously. There shall be a visual five LED output level meter and visual LED indication of internal errors, over current, thermal protection, LAN connection, emergency broadcast, priority broadcast and CPU run.

Power requirements shall be 120 V AC via a supplied power cord. The unit shall use 2 space units of a standard EIA component rack space and its dimensions shall be 420 (W) X 96.1 (H) X 313.1(D) mm (16.54" x 3.78" x 12.33"). Weight shall be 5.4 kg (11.9 lb.) and finished in black ABS resin front panel, with black surface-treated steel plate case.

Optional extras; input transformer: IT-450, perforated panel: PF-013B, manufactured by TOA Corporation.

Manufacturer: TOA Corporation

Model: A-848D