

Amplifiers

Mixer Amplifiers - Single Channel

TOA A2000 Series

- 3 mic and 2 aux inputs
- 30, 60, 120, 240 watt models
- 240 watt power amp with 100 volt line input

See also P2240 Power Amps Page 7

Optional Accessories

MB25B rack brackets



	Power	Speaker Output	Inputs	Dimensions (mm)	Weight (Kg)
A2030	30 watts	100 volt, 70 volt, 4 ohm	3 x Bal. XLR Mic, 2 x Un-Balanced Aux	420 (W) x 100.9 (H) x 280.3 (D)	5
A2060	60 watts	100 volt, 70 volt, 4 ohm	3 x Bal. XLR Mic, 2 x Un-Balanced Aux	420 (W) x 100.9 (H) x 280.3 (D)	7
A2120	120 watts	100 volt, 70 volt, 4 ohm	3 x Bal. XLR Mic, 2 x Un-Balanced Aux	420 (W) x 100.9 (H) x 280.3 (D)	10.8
A2240	240 watts	100 volt, 70 volt, 4 ohm	3 x Bal. XLR Mic, 2 x Un-Balanced Aux	420 (W) x 100.9 (H) x 280.3 (D)	13.2
P2240	240 watts	100 volt, 70 volt, 4 ohm	Balanced Line Level and 100 volt	420 (W) x 100.9 (H) x 280.3 (D)	13.2

TOA A1700 SERIES

- Two zone operation
- 60, 120 and 240 watt models
- 6 mic and 3 aux inputs

See also P1812 Power Amps Page 7

Optional Accessories

MB25B rack brackets



Amplifier	Power	Speaker Output	Inputs	Speaker Zones	Dimensions (mm)	Weight (Kg)
A1706	60 watts	100 volt, 4 - 16 ohms	6 x Bal. XLR Mic, 3 x Aux (1 x Bal. XLR, 2 x RCA)	2	420 (W) x 107.7 (H) x 367 (D)	9.3
A1712	120 watts	100 volt, 4 - 16 ohms	6 x Bal. XLR Mic, 3 x Aux (1 x Bal. XLR, 2 x RCA)	2	420 (W) x 107.7 (H) x 367 (D)	12.6
A1724	240 watts	100 volt, 4 - 16 ohms	6 x Bal. XLR Mic, 3 x Aux (1 x Bal. XLR, 2 x RCA)	2	420 (W) x 107.7 (H) x 367 (D)	13.5

TOA A1800 SERIES

- Two zone operation
- 30, 60 and 120 watt models
- 3 mic and 3 aux inputs

See also P1812 Power Amps Page 7



Amplifier	Power	Speaker Output	Inputs	Speaker Zones	Dimensions (mm)	Weight (Kg)
A1803	30 watts	100 volt, 4 - 16 ohms	3 x Bal. XLR Mic, 3 x Aux (1 x Bal. XLR, 2 x RCA)	2	420 (W) x 107.7 (H) x 367 (D)	8.1
A1806	60 watts	100 volt, 4 - 16 ohms	3 x Bal. XLR Mic, 3 x Aux (1 x Bal. XLR, 2 x RCA)	2	420 (W) x 107.7 (H) x 367 (D)	9.4
A1812	120 watts	100 volt, 4 - 16 ohms	3 x Bal. XLR Mic, 3 x Aux (1 x Bal. XLR, 2 x RCA)	2	420 (W) x 107.7 (H) x 367 (D)	12.6
P1812	120 watts	100 volt, 4 - 16 ohms	Line Level (RCA), Remote Power		420 (W) x 107.7 (H) x 367 (D)	12.2

Amplifiers

Mixer Amplifiers - Single Channel



TOA VM2000

- Five zone mixer amplifiers
- Can be cascaded up to 20 zones (four amplifiers)
- 120 or 240 watt models
- Three priority levels including BGM
- Optional message board

Optional Accessories

- RM200M Zone Paging Mic
- EV200M Voice Announcement Board
- SV200M Surveillance Board
- MB36 rack brackets



RM200M Zone Paging Mic



EV200M Voice Announcement Board



SV200M Surveillance Board



MB36 rack brackets

Amplifier	Power	Speaker Output	Inputs	Speaker Zones	Dimensions (mm)	Weight (Kg)
VM2120	120 watts	100 volt	3 x MIC/LINE, 2 x BGM, 1 Telephone Paging	5	419 (W) x 143.3 (H) x 355.7 (D)	12.5
VM2240	240 watts	100 volt	3 x MIC/LINE, 2 x BGM, 1 Telephone Paging	5	419 (W) x 143.3 (H) x 355.7 (D)	14.5

Amplifiers

Mixer Amplifiers - Single Channel

ROLLS PA71Plus Micro Mix Power Amplifier

A single microphone preamp and line level signal can be mixed together. Built-in 7 watt amp makes the PA71 the perfect amplifier for a small board room or classroom.

- Mixes XLR mic and RCA line inputs
- 7 Watt (4 ohms) power amplifier output (spring terminals)
- + 12 VDC phantom power for mic input
- 1/4" line/power output



Model	Power	Speaker Outlet	Inputs	Dimensions (mm)	Weight (Kg)
PA71plus	7w	4ohms	1x XLR, 2xRCA	110(W) x 40(H) x 60(D)	0.5

Denon Pro DNA300

- 2 x 110w power amplifiers
- A/B speaker On/Off buttons
- 6 x unbalanced RCA audio inputs with grounded phono input
- 2 x unbalanced record outputs
- 1 x unbalanced Pre-out for connection to external amplification
- Front-panel mounted 1/4" mic jack allows for paging and announcements
- Multiple mic mixing options including Auto Music Mute and Mic Mix
- Fully Adjustable mic level or automate the mic level with the internal AGC mic circuit
- Ideal for cafés, restaurants, etc.



Model	Power	Speaker Outlet	Inputs	Dimensions (mm)	Weight (Kg)
DNA300	2 x 110 watts	2 x Stereo	6 x stereo RCA, 1 X 6.35mm Mic	483(W) x 140(H) x 372(D)	10.3

Amplifiers

Powered Mixers

Since 1968, with the introduction of the PA-3 system, Peavey has paved the way for portable sound. Following this tradition, the latest XR series powered mixers exhibit clever and unique features in powerful yet lightweight, easy to use packages.



XR1220P



XR1212P

Peavey XR1220P and XR1212P

- Dual 600W lightweight Class D power amps
- 5 operation modes
- Auto room EQ
- Feedback Ferret®
- 4-band EQ on input channels
- Digital effects
- Dual 9-band graphic EQ
- Two monitor sends
- Dedicated effect return fader
- 20 XLR mic channels (XR1220P), 12 XLR mic channels (XR1212P)
- 5 year warranty

Also available:

PVR2 RTA reference mic, used for automated room analysis.



XR8300



XR8600D

Peavey XR8300 and XR8600D

- 2 x 600W (XR8600D) or 2 x 300W (XR8300) RMS into 4 Ohms
- 8 x low noise XLR inputs
- 2 stereo inputs
- 2 x 7-band graphic equalizers with Feedback Locating System (FLS)
- Selectable 48V phantom power
- Digital effects
- DDT speaker protection
- Rugged moulded case with handle
- 5 year warranty

	XLR mic inputs	Power amps	Format	Rack mount	Other features
XR1220P	20	2 x 600W digital	Console	No	Flexible amp configuration (main or monitor); multiple EQ options
XR1212P	12	2 x 600W digital	console	yes	Flexible amp configuration (main or monitor); multiple EQ options
XR8300	8	2 x 300W analogue	'brick'	no	Flexible amp configuration (main or monitor)
XR8600D	8	2 x 600W digital	'brick'	no	Flexible amp configuration (main or monitor)

Amplifiers

Vehicle Amplifiers

TOA CA SERIES

- Mobile amplifiers for car, bus etc
- Two phone jack (6.5mm) mic inputs
- AUX input for external equipment connection.
- Unidirectional dynamic microphone with talk switch



Amplifier	Power	Speaker Output	Inputs	Dimensions (mm)	Power Supply	Weight (Kg)
CA115	15 watts	4 or 8 ohms	1 x Auxiliary	178 (W) x 50 (H) x 132 (D)	10 – 16 VDC - 2.2 AMP	0.9
CA130	30 watts	4 or 8 ohms	1 x Auxiliary	178 (W) x 50 (H) x 144 (D)	10 – 16 VDC - 4.4 AMP	1.1
CA160	60 watts	4 or 8 ohms	1 x Auxiliary	178 (W) x 50 (H) x 170 (D)	10 – 16 VDC - 9 AMP	1.2

Amplifiers

Power Amplifiers - Single Channel

TOA P1812

- 120 watt power amplifier
- Front volume control
- Cascade out for signal and control
- 24VDC operation, remote switch on

Optional Accessories

MB25B rack brackets



TOA P2240

- 240 watt power amplifier
- 100 volt line input as well as line level
- Front volume, bass and treble adjustment
- 24VDC operation

Optional Accessories

MB25B rack brackets



Amplifier	Power	Speaker Output	Inputs	Dimensions (mm)	Weight (Kg)
P1812	120 watts	100 volt, 4 - 16 ohms	Line Level (RCA), Remote Power	420 (W) x 107.7 (H) x 367 (D)	12.2
P2240	240 watts	100 volt, 70 volt, 4 ohm	Balanced Line Level and 100 volt	420 (W) x 100.9 (H) x 280.3 (D)	13.2

Amplifiers

Power Amplifiers - Two Channel Low Impedance



Peavey PV series amplifiers

Featuring Peavey's DDT™ distortion detection technique (which virtually eliminates distortion caused by over-driving the amplifier), the PV series is rugged, value-priced family of hardworking analogue amplifiers. The PV series also features Peavey's patented Turbo-V™ cooling design, which cools the power transistors more evenly than traditional heat-sink designs, leading to long service life (which is backed by APG's five year warranty).

- Industry-standard 2RU size
- Combi-jack (XLR and 6.35mm inputs)
- Input gain control per channel
- Speakon and binding post outputs
- Switchable low cut filter
- Switchable crossover for subwoofer operation
- Front panel LEDs show signal presence, DDT active
- Five year warranty

	Output Power (Per Channel, 4 Ohms) Wrms	Output Power (Per Channel, 8 Ohms) Wrms	Output Power (Bridged Mono, 8 Ohms) Wrms	THD	Frequency Response	Dimensions (hxwxhd)
PV900	300	180	600	< 0.03%	20Hz – 20kHz	89mm x 483mm x 392mm; 13kg
PV1500	500	300	1,000	< 0.03%	20Hz – 20kHz	89mm x 483mm x 392mm; 15kg
PV2600	900	550	1,800	< 0.03%	20Hz – 20kHz	89mm x 483mm x 392mm; 18kg
PV3800	1,300	775	2,650	< 0.05%	10Hz – 100kHz	89mm x 483mm x 392mm; 20kg



Peavey CS amplifiers

Building on the reputation of the world-famous Peavey CS series, which conquered the power amp market in the 1970s, the updated CS® Series is the global standard-bearer for workhorse reliability. Over the years, these amps have benefited from some of Peavey's most popular audio innovations, including the exclusive DDT™ compression/anti-clipping protection. With its 2 RU design and power points up to 4080 watts, this latest evolution of the CS® Series is leaner, louder and lighter than ever. Like all Peavey products, the CS Series is backed by a five year warranty

- Industry-standard 2RU size
- Combi-jack (XLR and 6.35mm inputs)
- Input gain control per channel
- Speakon and binding post outputs
- Supports 2-ohm loads (except CS4080HZ)
- Front panel LEDs show signal presence, DDT active
- Five year warranty

	Output power (per channel, 2 ohms) WRMS	Output power (per channel, 4 ohms) WRMS	Output power (per channel, 8 ohms) WRMS	Output power (bridged mono, 8 ohms) WRMS	THD	Frequency response	Dimensions (hxwxhd)
CS1400	330	500	700	1,400	< 0.05%	10Hz – 35kHz	89mm x 483mm x 446mm; 15kg
CS2000	1,075	760	495	2,150	< 0.05%	10Hz – 35kHz	89mm x 483mm x 392mm; 17kg
CS3000	1,550	1,065	650	3,100	< 0.05%	10Hz – 35kHz	89mm x 483mm x 392mm; 19kg
CS4000	2,000	1,350	800	4,000	< 0.05%	10Hz – 35kHz	89mm x 483mm x 392mm; 21kg
CS4080HZ	n/a	2,040	1,250	4,080	< 0.05%	10Hz – 35kHz	89mm x 483mm x 392mm; 22kg

Amplifiers

Power Amplifiers - Two Channel Low Impedance

Peavey IPR amplifiers

Boasting a net weight as low as 3.2kg, the ground-breaking IPR Series utilises an advanced design that allows the engineers to dramatically reduce weight while increasing output power, reliability and thermal efficiency. IPR Series amplifiers are designed with a resonant switch-mode power supply and a high-speed class D topology that yields the highest audio resolution and efficiency available. And all at a cost that shatters the old-guard paradigm of power-amp valuation.



Coming in 2012, The IPR DSP Series amplifiers feature the same power ratings, design and efficiency, plus a 32-bit processor with a suite of delays and crossovers, pre-programmed loudspeaker settings, stereo/mono operation, lockout--and for the first time in any power amplifier, built-in Waves® MaxxBass® technology, which uses psycho-acoustics to add more low-end to your system without the need for more power amps, processing or subwoofers.

- DDT(tm) protection
- Revolutionary IPR class D topology
- Detented input controls
- Combination XLR/6.35mm inputs
- Combination Speakon/6.35mm output connectors
- Incredibly light weight
- Individual signal pass-thru 6.35mm jacks on each channel
- LED illuminated

	Output power (per channel, 2 ohms) WRMS	Output power (per channel, 4 ohms) WRMS	Output power (per channel, 8 ohms) WRMS	THD	Frequency response	DSP-based speaker processing	Dimensions (hwxwd)
IPR1600	800	530	300	< 0.1%	10Hz – 50kHz	no	89mm x 483mm x 260mm; 3.2kg
IPR3000 (late 2011)	1,490	840	440	< 0.1%	10Hz – 50kHz	no	89mm x 483mm x 260mm; 3.4kg
IPR1600DSP (2012)	900	515	290	< 0.1%	10Hz – 50kHz	yes	89mm x 483mm x 260mm; 3.2kg
IPR3000DSP (2012)	1,450	815	430	< 0.1%	10Hz – 50kHz	yes	89mm x 483mm x 260mm; 3.4kg

Niles SI 245/275

Niles Systems Integration Amplifiers® deliver superb sound and reliability with features specifically tailored to the needs of the custom installer, including multiple turn-on modes, adjustable input level controls, cascade outputs, 12V triggers, and removable IEC power cords.

- Stable into low-impedance loads (2.66 ohms, 4 ohms in bridged mode)
- DC, short-circuit, and overload protection with automatic reset
- Gold-plated RCA cascade output jacks for signal routing to other amplifiers
- Independent installer-adjustable level controls
- Three turn-on modes: music sense, voltage trigger (accepts 3-30V AC/DC) and manual mode
- 12V DC control output (3.5 mm mini jack) to automate the turn-on and turn-off of another component



Model	Channels	Output Power (per channel into 4ohms) WRMS	Output Power (per channel into 8ohms) WRMS	THD	Stable Impedance Loads (2.66ohms)	Rated Current Draw	Dimensions (hwxwd)
SI245	2	70	45	< 0.1%	yes	6A	60mm x 432mm x 333mm; 9kg
SI275	2	100	75	< 0.1%	yes	9A	102mm x 432mm x 333mm; 11kg

Amplifiers

Power Amplifiers - Two Channel Low Impedance



TOA DA250D

- Two channel low impedance digital power amplifier
- 2 x 250 watt (4 ohm), 2 x 170 watt (8 ohm)
- Bridgeable output (1 x 500 watt 8 ohm)
- Input 1 can be sent to both outputs - switchable
- Independent power supply to each channel
- High efficiency 80 to 90%
- Compact design (1RU) only 5.3 kg

Amplifier	Power	Speaker Output	Inputs	Channels	Bridgeable	Dimensions (mm)	Weight (Kg)
DA250D	2 X 250 W	4 ohms	2 x line level	2	Yes	482 (W) x 44 (H) x 401.8 (D)	5.3



Rolls RA235 Stereo Power Amplifier

- 35 W per output (4 ohms)
- 1/4" and RCA inputs
- Spring-loaded output terminals
- Front-panel heat sinking
- Protected output stage

Amplifier	Power	Speaker Output	Inputs	Channels	Bridgeable	Dimensions (mm)	Weight (Kg)
RA235	2 x 35 W	8 ohms	2 x line level	2	No	482 (W) x 44 (H) x 127 (D)	2.5

Power Amplifiers - Two Channel High Impedance



TOA DA250DH

- Two channel high impedance digital power amplifier
- 2 x 250 watt 100 volt line
- Input 1 can be sent to both outputs - switchable
- Independent power supply to each channel
- High efficiency 80 to 90%
- Compact design (1 RU) only 5.3 kg

Amplifier	Power	Speaker Output	Inputs	Channels	Bridgeable	Dimensions (mm)	Weight (Kg)
DA250DH	2 X 250 W	100 volt	2 x line level	2	No	482 (W) x 44 (H) x 401.8 (D)	5.3

Amplifiers

Power Amplifiers - Four Channel Low Impedance

TOA DA250F / DA550F

- Four channel low impedance digital power amplifiers
- Available in up to 4 x 550 W
- Bridgeable output into 8 ohm
- Input 1 can be sent to all outputs - switchable
- Independent power supply to each channel
- High efficiency 80 to 90%
- Compact design



DA250F



DA550F

Power Amplifiers - Four Channel High Impedance

TOA DA250FH / DA500FH

- Four channel high impedance digital power amplifiers
- Up to 4 x 500 W 100 volt line
- Input 1 can be sent to all outputs - switchable
- Independent power supply to each channel
- High efficiency 80 to 90%
- Compact design



DA250FH



DA500FH

Amplifier	Power	Speaker Output	Inputs	Channels	Bridgeable	Dimensions (mm)	Weight (Kg)
DA250F	4 X 250 W	4 ohms	4 x line level	4	Yes	482 (W) x 44 (H) x 401.8 (D)	6.8
DA250FH	4 X 250 W	100 volt	4 x line level	4	No	482 (W) x 44 (H) x 401.8 (D)	6.8
DA550F	4 x 550 W	4 ohms	4 x line level	4	Yes	482 (W) x 88.4 (H) x 401.8 (D)	9.0
DA500FH	4 x 500 W	100 volt	4 x line level	4	No	482 (W) x 88.4 (H) x 401.8 (D)	9.0

Amplifiers

Power Amplifiers - Eight Channel High/Low Impedance



Biamp MCA Series

Biamp Systems' MCA Series amplifiers offer 8 channels of amplification within one chassis. All models in the MCA series include contractor friendly features that allow for total flexibility in system design. Add to this Biamp Systems' now legendary bulletproof reliability and the MCA series becomes the perfect fit for your next project. All backed by a 5 year warranty.

Features include:

- 8 channels of amplification in one convenient chassis
- Optional transformers for 25/70/100 Volt systems
- Rear panel level controls
- High-pass filter switches per channel (120Hz -12dB/Octave)
- Dual-color signal/peak indicators on front & rear panels
- Front panel indicators for amplifier temp/load faults
- Terminals for remote control of channel levels and muting

Extensive protection:

- Front panel indicators for amplifier temp/load faults
- Self re-setting protection against short-circuit, improper load, and over-temperature conditions.
- Fan cooled design

	Channels	Input Type	Output power 8 Ohms (Watts)	Output power 4 Ohms (Watts)	Bridged output 8 Ohms (Watts)	Signal-Noise Ratio (20Hz-20kHz @ rated power)	Frequency Response	Dimensions	Weight	Power Consumption
MCA8050	8	Balanced 20k Ohms Phoenix terminal	30	50	100	>85dB	20Hz - 20kHz (+0/-1dB)	2RU (Hxwx d) 89 x 483 x 394	13.6 kg	900 W max
MCA8150	8	Balanced 20k Ohms Phoenix terminal	90	150	300	>85dB	20Hz - 20kHz (+0/-1dB)	3RU (Hxwx d) 133 x 483 x 394	15.9 kg	1800 W max

Options

MCA8050	TDT50 - 50 watt 100V output transformer (per channel) TDT100 - Bridged 100 watt 100V output transformer (per bridged pair)
MCA8150	TDT150 - 150 watt 100V output transformer (per channel) TDT300 - Bridged 300 watt 100V output transformer (per bridged pair)

Power Amplifiers - Twelve Channel Low Impedance

Niles S11230

Niles Systems Integration Amplifiers® deliver superb sound and reliability with features specifically tailored to the needs of the custom installer, including multiple turn-on modes, adjustable input level controls, cascade outputs, 12V triggers, and removable IEC power cords.

- All channels are stable into low impedance loads (4 ohms)
- Adjacent channels are bridgeable when more power is required
- Busmatrix input provides the flexibility to assign bus channels to any or all amplifier channels
- Individual input gain controls for each channel
- Gold-plated RCA cascade output jacks
- 3V - 30V AC/DC voltage-trigger
- Assignable bus and dedicated input for each channel
- Independent installer adjustable level controls
- Three turn-on modes: music sense, voltage trigger (accepts 3-30V AC/DC) and manual mode



Model	Channels	Output Power (per channel into 4ohms) WRMS	Output Power (per channel into 8ohms) WRMS	THD	Stable Impedance Loads (2.66ohms)	Rated Current Draw	Dimensions (hxwx d)
S11230	12	37	30	< 0.1%	no	9A	140mm x 432mm x 380mm; 15kg

Denon POA3012CI

- 12 channels power amplifier with independent module per channel
- 30W per channel (100W per bridged channel pair)
- Digital amplifier technology
- Individual channel level control
- Ethernet IP control
- WEB remote control and setup



Model	Channels	Output Power (per Channel into 4 ohms)	Output Power (per Channel into 8 ohms)	THD	Dimensions	Weight(Kg)
POA 3012CI	12	50	30	0.7%	434(W) x171(H) x 410(D)	19.0