



**NEW**



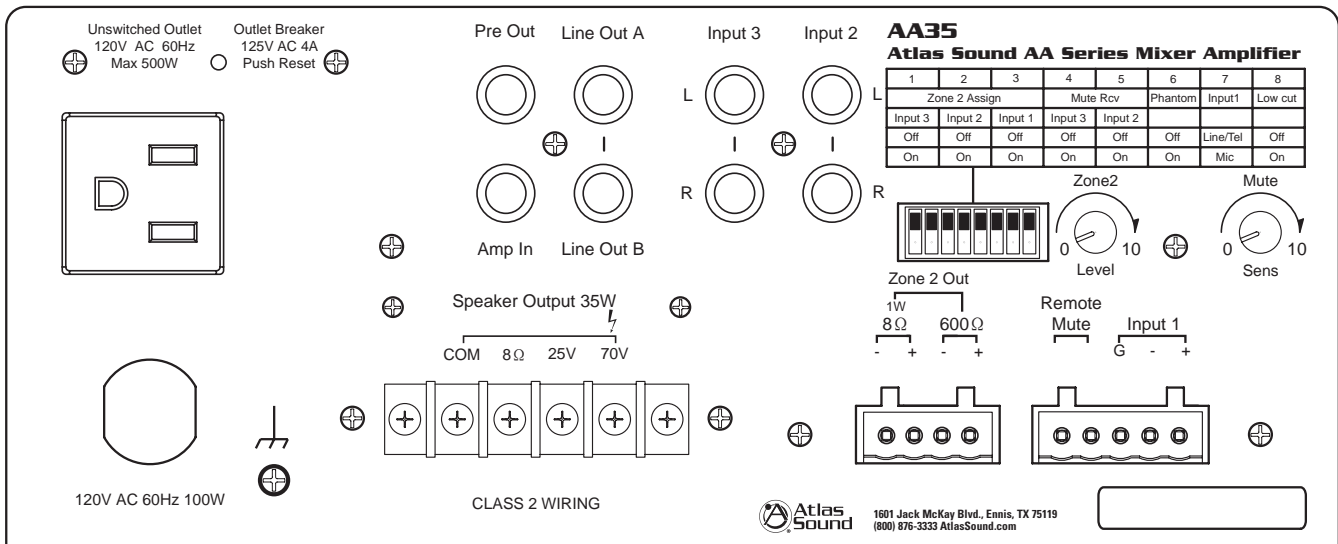
## ATLAS SOUND MIXER AMPLIFIERS

### AA35

- 35 Watts of true output power for less money than most competitors 15 Watt models
- 1 Mic in w/phantom power
- 2 Stereo line ins
- Dual line out
- Pre Out/ Power in patch
- Remote and VOX activated Mute
- Route any source combination or entire mix bus to Zone 2 (MOH Out)
- Special Low Cut filter is 6dBu/octave at 400Hz and also bypasses front panel bass control to allow use with paging horns like APX40TN and AP-15T

**AA35**

The Atlas Sound **AA35**, a 3 input channel mixer amplifier designed for distributed business paging and background music (BGM) systems, small to medium speech privacy systems and in applications where music on hold (MOH) plus paging is required. With 1 microphone input and (2) stereo line inputs the AA35 will accommodate a variety of input sources including paging microphones, CD players and digital music receivers. A dip switch selectable matrix allows the creation of a zone 2 mix from any or all of the input sources for music or messaging on hold applications. 25V, 70.7V and 8 Ohm outputs are provided. The 35 Watts of output power will match nicely with Atlas Sound FAP, SM, SD, and GD series loudspeakers. In fact, in a 11' ceiling application, the AA35 will provide power for up to 117 SD72W loudspeakers tapped at .25 Watts each while providing upwards of 84dB in the direct sound field at ear height!



AA35	
<b>POWER RATING</b>	Max. Average Power @ 50Hz-20kHz with .5% THD (10-80kHz filter) 8Ω, 1kHz, 0.5% THD 35W RMS
<b>INPUTS</b>	Input 1 Mic .316 ~ 3.16mV (-50 ~ -70dBV) Input 1 Telephone/Line 316mV (-10dBV) 10kΩ (optional 600Ω transformer available) Input 2/3 316mV (10dBV) 10kΩ
<b>FREQUENCY RESPONSE</b>	50Hz-20kHz
<b>DISTORTION</b>	.5% or less, at 1kHz, rated output .1% or less, at 1kHz, 5W output
<b>OUTPUTS</b>	Main: Transformer coupled, balanced, 8Ω, 25V, and 70.7V Zone 2- 8Ω Unbalanced 1W Zone 2- 600Ω Balanced 1.5V
<b>SIGNAL TO NOISE</b>	Mic >55dB Line >55dB Telephone >55dB Input 2/3 >75dB
<b>POWER CONSUMPTION</b>	90W
<b>DIMENSIONS</b>	8.27" x 3.66" x 10.87" (210mm x 94mm x 276mm)
<b>WEIGHT</b>	10.2 lbs (4.64kg)



NEW



AA120

NEW



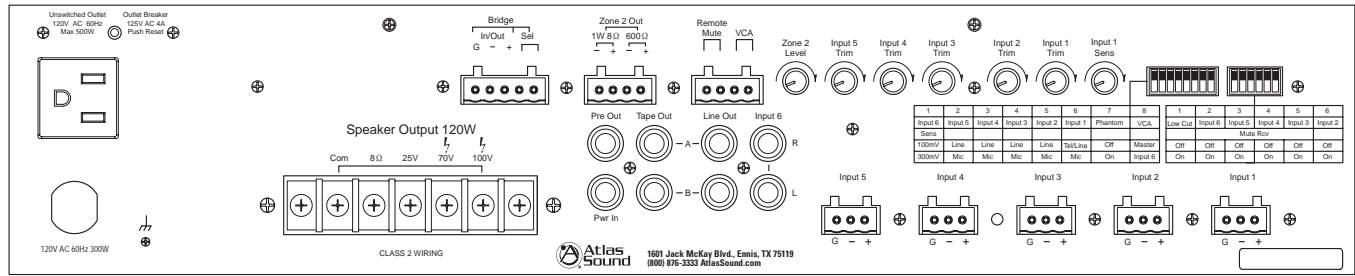
AA240

## AA120/AA240

- 6 channel mixer amp (120 and 240 Watt versions respectively)
- 5 Mic/Line inputs with phantom power and 1 stereo summing AUX input
- Remote or VOX mute capabilities
- Zone 2 MOH out from CH6 line source
- Special Low Cut filter is 6dB/octave at 400Hz and also bypasses front panel bass control to allow use with paging horns like APX40TN and AP-15T
- Bridge in/out circuit with balanced link / internal relay to engage circuit is perfect for small room combining systems -eliminating the need for external electronics
- VCA control assignable to input 6 line level (BGM) input or global for the mix bus
- Pre out / power amp in for patching external processors

feature to allow combining of multiple amplifiers in ballroom applications without the need for external relays. VCA control is included which may be assigned to the BGM input or globally for the entire amplifier. For higher output requirements, the model **AA240** is available with the same preamp section as the AA120, but with a larger 240 Watt power amp section.

FIVE



AA120/AA240						
<b>POWER RATING</b>	25V	AA120	120W RMS	AA240	AA240	240W RMS
	70.7V	AA120	120W RMS	AA240	AA240	240W RMS
	240W RMS					
	100V	AA120	120W RMS	AA240	AA240	240W RMS
<b>INPUTS</b>	Input 1	Line/Tel	316mV (-10dBV) 10k Ohm (600Ω w optional/transformer)			
		Mic	.316mV~3.16mV (-50dBV~ -70dBV)			
	Inputs 2-5	Line	316mV (-10dBV) 10k Ohm			
		Mic	.316mV~3.16mV (-50dBV~ -70dBV)			
	Input 6	Line	300mV/100mV (-10dBV/-20dBV) Selectable			
<b>FREQUENCY RESPONSE</b>	50Hz-20kHz ± 3dB					
<b>DISTORTION</b>	<1% at rated power (1kHz)					
<b>OUTPUTS</b>	Main:	Transformer coupled, balanced, 8Ω, 25V, and 70V				
	Zone 2- 8Ω	Unbalanced 1W				
	Zone 2- 600Ω	Balanced 1.5V				
<b>SIGNAL TO NOISE</b>	Mic	>55dB				
	Line	>55dB				
	Telephone	75dB				
<b>POWER CONSUMPTION</b>	AA120	300 Watts	AA240	500 Watts		
<b>DIMENSIONS</b>	16.54"W x 4.219"H x 14.06"D		(420mm X 107mm X 357mm)			
<b>WEIGHT</b>	AA120	26.44 lbs (12kg)	AA240	27.85 lbs (12.63kg)		



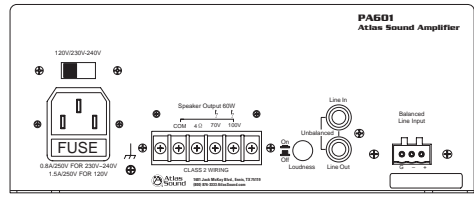
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**PA601**

**PA601.**

- Simple clean power
- 60 Watt single input power amp
- 1 Balanced or Unbalanced input
- 1 Unbalanced line output
- Loudness contour switch (+4dBu @ 100Hz and 10kHz)



The **PA601** is the perfect choice for distributed background music (BGM) systems when the requirement is simple amplification without MOH or advanced mix functionality. The PA601 features 60 Watts of pure power in a compact package with simple rear mounted RCA I/O and a unique loudness contour control which provides just the right amount of low frequency enhancement for low level listening environments. (UL 60065-ROHS 2006 compliant)

PA601	
<b>POWER RATING</b>	Max. Average Power @ 50Hz-20kHz with .5% THD (10-80kHz filter) 8Ω, 1kHz, 0.5% THD 70W RMS
<b>INPUTS</b>	Balanced Line (Phoenix) 500mV (-6dBV) 20kΩ Unbalanced (RCA) 500mV (-6dBV) 20kΩ
<b>FREQUENCY RESPONSE</b>	50Hz-20kHz ±3dB
<b>DISTORTION</b>	.5% or less, at 1kHz, rated output .1% or less, at 1kHz, 5W output
<b>OUTPUTS</b>	Main Transformer coupled, balanced, 4Ω, 70.7V, and 100V Line Out Unbalanced 600Ω
<b>SIGNAL TO NOISE</b>	Balanced Line >55dB Unbalanced >75dB
<b>POWER CONSUMPTION</b>	120VA
<b>DIMENSIONS</b>	8.27" x 3.66" x 14" (210mm x 93mm x 357mm)
<b>WEIGHT</b>	14 lbs (6.58kg)

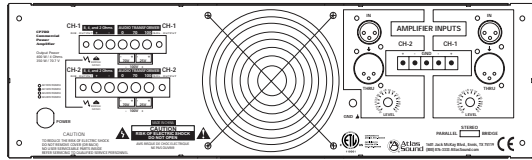
NEW



**CP700**

**CP700**

- Commercial Duty 350W/Ch (@70.7V) Stereo Power Amplifier
- 400 Watts per channel @ 4Ω in direct coupled mode
- (2) high quality internal toroidal transformers provide isolation in 25V, 70.7V, 100V stereo or 140V/200V bridge mode operation
- 30-position rear panel stepped input gain controls
- Terminal block and XLR input
- Automatic, dual speed, high efficiency fan cooling
- Short circuit, thermal, and DC offset protection



A professional grade audio power amplifier specifically designed for demanding contractor applications, the **CP700** features esoteric grade toroidal power supply and output transformers. These transformers were chosen for their outstanding reliability as well as extended frequency response (-3dB @ 30Hz - 70.7V output through transformer) Now you can have the peace of mind that systems specified with the CP700 will have true transformer output isolation, a feature that previously may have not been affordable due to the cost of quality external transformers.

CP700's two independent channels are driven by separate power supplies to ensure maximum channel separation and ultra low distortion figures while providing years or faithful service. Whether your application is a large distributed constant voltage sound system or a high SPL sound reinforcement system, the Atlas Sound CP700 is the perfect answer for high power/ low cost amplification needs.

CP700			
<b>POWER RATING</b>	25V 280W X 2 70V 350W X 2 100V 350W X 2 140V Bridged 700W 200V Bridged 700W	8 Ohm, 1kHz, 0.1% THD 4 Ohm, 1kHz, 0.1% THD 2 Ohm, 1kHz, 0.1% THD Bridged Mono 8 Ohm Bridged Mono 4 Ohm Max Average Power @ 35Hz-20kHz with 0.1% THD (10-80K Filter)	240W X 2 400W X 2 550W X 2 850W (1kHz, 1% THD) 1100W (1kHz, 1% THD)
<b>INPUTS</b>	Balanced/Unbalanced	20k/10k Ohm	
<b>FREQUENCY RESPONSE</b>	Direct Outputs (+0/-3dB) Transformer Outputs (+0/-3dB)	30Hz-50kHz 30Hz-16kHz	
<b>DISTORTION</b>	8 Ohm, 1kHz, 240W per channel	<.05%	
<b>SIGNAL TO NOISE</b>	8 Ohms per Channel @240W	>100dB	
<b>DIMENSIONS</b>	132mm X 480mm X 428mm (5.19" X 18.9" X 16.85")		
<b>WEIGHT</b>	24.3kg (54 lbs)		



CP700 certified by ETL to UL 813 standard.

FIVE



RPS24-05



PS24-2R  
(Front View)  
PS24-50A PS24-4R

PS24-2R PS24-50A PS24-4R



PS24-2R  
(Rear View)  
PS24-50A PS24-4R

PS24-2R PS24-50A PS24-4R



PS24-20



TS242

**REGULATED DC POWER SUPPLY WITH 1/2 AMP OUTPUT**

**RPS24-05.** Compact 24VDC model is offered for use where small, economical power supplies are required. RPS24-05 is recommended for telecommunication installations including small telephone systems and intercom/annunciator applications in industrial, institutional, service and educational facilities. Unit is fuse-protected in the primary, includes barrier strip terminals and has a 6 foot AC power cord. Finished in black epoxy.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 V FULL LOAD	SIZE L x W x H	WEIGHT
RPS24-05	117VAC 60Hz, 26W	24VDC 1/2 Amp	0.5mV	500mV	6 3/4" x 3 3/8" x 2"	3 lbs. (1.4kg)

**REGULATED DC POWER SUPPLIES WITH 2 & 4 AMP OUTPUT**

**PS24-2R/PS24-4R.** Assemblies with varying amp service are provided for applications that require excellent regulation and extremely low ripple including transistorized and solid-state control equipment and alarm/warning systems. Models are fuse-protected in the primary, include barrier strip terminals, have a 6 foot power cord, and will operate in an ambient temperature range of 0-50°C.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
PS24-2R	105-125VAC 60Hz, 110W	24VDC 2 Amp	0.5mV	500mV	6 1/4" x 3 1/4" x 2 3/4" (337 x 159 x 121mm)	15 lbs. (7g)
PS24-4R	105-125VAC 60Hz, 110W	24VDC 4 Amp	1mV	300mV		16.5 lbs. (7.5kg)

Finished in black epoxy; larger models include a ventilated cover finished in textured black epoxy.

**HEAVY-DUTY DC POWER SUPPLY WITH 5 AMP OUTPUT**

**PS24-50A.** Model offers 24VDC for applications that require a high-current DC supply including many types of telephone, annunciator and industrial paging systems, and installations with large numbers of relays. Unit is fused at the input and includes barrier-type terminals, keyhole mounting slots, ventilated cover and 6 foot AC line cord. Finished in black epoxy.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
PS24-50A	117VAC 60Hz, 170W	24VDC 5 Amp	Less Than 2.5%	29-23V	13 1/4" x 6 1/4" x 4 3/4" (337 x 159 x 121mm)	15 lbs. (6.80kg)

**GENERAL PURPOSE DC POWER SUPPLIES (2 AMP OUTPUT)**

**PS24-20.** Compact, multi-voltage unit is designed for a variety of general applications. Conversion is accomplished through a plug-in lead. Assembly is complete with fused-transformer primary, 6 foot power cord, and black epoxy finish.

**TS242.** UL Listed unit is used for a variety of applications that do not require a regulated supply. Model includes a 117VAC unswitched outlet, neon pilot lamp, barrier-type terminals, and 6 foot power cord.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
PS24-20	117VAC 60 z, 70W	24, 12, 6 VDC 2 Amp	Less Than 2.5%	27-22V	6 3/4" x 3 3/8" x 4" (171 x 92 x 102mm)	4.5 lbs. (2.0kg)
★ TS242	105-125VAC 60Hz, 74W	24VDC 2 Amp	Less Than 0.5%	28-22.4V	3 1/2" x 10 7/8" x 6" (98 x 276 x 152mm)	10 lbs. (4.5kg)

★ LISTED UL 2017 Listed.



## POWER PACK

**PS24-075.** Compact supply is designed to power the RPM/RLM Series DC relays and may also be used in a variety of annunciator applications. Includes positive, negative, and ground terminals with the negative terminal isolated from the ground. Complete with 6 foot power cord and black epoxy finish.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
PS24-075	117VAC 60Hz, 26W	24VDC ½ Amp	Less than 1.5mV	26-22V	6¾" x 3¾" x 2" (171 x 92 x 51mm)	3.5 lbs. (1.6 kg)

## TELEPHONE POWER SUPPLY

**TPS24-05.** Unit is a combination 24VDC/TALK voltage power supply engineered to power most common-talk telephone intercom systems (see Section 8). Finished in black epoxy and complete with 6' power cord. For information on common-talk intercom applications, request SL8-1433.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
TPS24-05	117VAC 60Hz, 26W	24VDC ½ Amp Talk Line	0.5mV	500mV	6¾" x 3¾" x 2" (171 x 92 x 51mm)	3.0 lbs. (1.4 kg)

## RACK-MOUNT POWER SUPPLY SHELF

**PS-RK.** Accessory shelf provides convenient installation of Atlas Sound power supplies in 19" cabinets. Shelf supports up to four 6¾" L supplies or one 13¾" L unit. CRS assembly is finished in black textured epoxy and includes knockouts for line cords, front viewing hole for power indicator, and viewing hole plug. Size: 19" W x 8" D x 5¼" H (483mm x 203mm x 133mm).

## DC RELAY PACKS

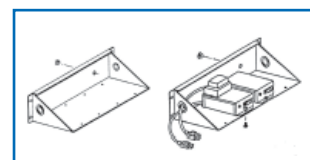
**RPM/RLM Series.** Modular chassis with individual plug-in relays provides configuration and expansion flexibility for application wherever a 24VDC, DPDT relay is required including zone paging, intercom, and telephone systems. Chassis is available in four sizes with 2, 4, 8, and 12 relay sockets. Plug-in DPDT relays prevent long-term oxidation problems and are offered in 3 and 5 amp versions (order separately). To eliminate bussing, one size of each relay coil is connected to a common terminal. Chassis is painted with black epoxy and includes a printed circuit board with barrier type terminals.

RELAY PACK CHASSIS MODULES (Without Relays)		
MODEL	RELAY SOCKET QUANTITY	SIZE
RPM-2	2	4¾" L x 3⅜" W x 1⅝" H
RPM-4	4	5½" L x 4¾" W x 1⅝" H
RPM-12	12	15" L x 4¾" W x 1⅝" H

PLUG IN RELAYS (Ordered Relays)				
MODEL	TYPE	CONTACT MATERIAL	CONTACT RATING	POWER
RLM-24	DPDT	Fine, Silver, Gold Plated	1mA tp 3 Amp	24VDC @ 35mA
RLM-24-5	DPDT	Silver Cadmium Oxide	500mA to 5 Amp	



PS24-075



PS-RK



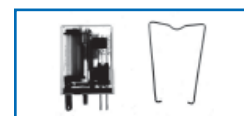
RPM-2  
with Relays  
Installed



RPM-4  
with Relays  
Installed



RPM-12 without Relays Installed



RLM-24 and RLM-24-5

FIVE