## specifications:

PL150 PL300 PL450 induction loop amplifiers description

The PL150, PL300, and PL450 form the professional range of induction loop amplifiers and are designed to enhance speech understanding for the hearingimpaired audience.

The amplifiers have three balanced inputs on XLR; two dedicated microphones and one microphone or line selectable using a rear panel switch. User selectable phantom powering is available for the microphone inputs, enabled via a rear panel switch. The inputs are individually mixed before passing to the compressor limiter, which prevents loop overload while compensating for varying microphone usage.

All controls are recessed to prevent unauthorised access. Indication is provided for compression level, output current, loop status, and power supply. A loop current monitor socket is provided to allow headphones to be used to monitor the actual loop current. An audio output (post compressor) is provided for recording, with a slave audio in to allow cascading. A loop OK voltage is available to illuminate a sign showing correct loop operation. The units are all 1u (44.5mm) high and a 19" rack mounting kit is available.

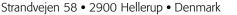
The PL amplifiers can be used in many different environments: churches, residential homes for the elderly, auditoriums, conference centers, and theatres.

coverage

application

Up to 800m<sup>2</sup> (8656 feet<sup>2</sup>)







Tel.: +45 3917 7101 • Fax: +45 3927 7900 • E-mail: info@phonicear.dk • Web: www.phonicear.dk

## PL150, PL300, and PL450 specifications

inputs		output stage	
audio inputs	2 microphone	type	Current Mode
	1 mic/line selectable	loop impedance	0.10hm to 10hm
type	XLR	peak current	PL150: >9A peak
phantom	Selectable, 12V 5mA	_	PL300: >12A peak
sensitivity	-50dB Microphone -10dB Line		PL450: >15A peak
mains input		125mS burst	PL150: >6A peak
voltage	230V ~ 50/60 Hz	_	PL300: >8A peak
power	PL150: 100VA Max		PL450: >10A peak
	PL300: 180VA Max	RMS current	PL150: 2A
	PL450: 300VA Max	(@1KHz)	PL300: 3A
internal fuse	PL150: 2 off 3.15A(F)	_	PL450: 4A
	PL300: 2 off 5A(F)	protection	DC
	PL450: 2 off 6.3A(F)		Thermal
plug top fuse	5A	_	Short circuit
fuse for spur	5A		Soft start
indication		coverage	
LED indicators	4 gain reduction	square area	PL150: 150m <sup>2</sup>
	5 loop current		PL300: 300m <sup>2</sup>
	Power		PL450: 450m <sup>2</sup>
	Loop integrity	maximum area	PL150: 200m <sup>2</sup>
	Protection operating		PL300: 450m <sup>2</sup>
controls			PL450: 800m <sup>2</sup>
user controls	3 input mixers and current drive	dimensions	
protection	Recessed screwdriver adjust only	extents height	44.5mm
audio processing		width	432mm (free standing)
compressor	10mS	_	485mm (with rack kit)
attack	10mS	depth	165mm
release	Automatic from 500mS to 1500mS		
dynamic range	>60dB	-	
THD	<0.25%	-	

## accessories

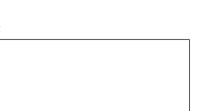


PL Phase (for reduced spill over)



PLRM 19" rack mounting bracket allowing easy installation into standard 19" cabinets

Your local dealer:





٠



Strandvejen 58 • 2900 Hellerup • Denmark

E-mail: info@phonicear.dk Tel.: +45 3917 7101 ٠ Fax: **+45 3927 7900** ٠ © 2004 Phonic Ear Inc. Phonic Ear and the names of Phonic Ear products are trademarks or registered trademarks of Phonic Ear Inc. in the U.S. and other countries. Product specifications and accessories subject to change without notice.

Web: www.phonicear.dk