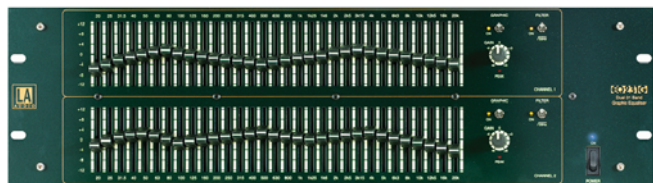


## EQUALISERS



### EQ231G Dual 31 Band Graphic Equaliser

- High definition, 45mm faders
- $\pm 12\text{dB}$  cut/boost without switching
- Variable High Pass filter 16-160Hz
- High visibility legend
- Balanced inputs and outputs
- Balancing Transformer option with distortion cancellation circuitry
- Soft start with power off audio bypass

### GTX Balancing Transformer for EQ231G & EQ231GSP

## MIC SPLITTERS



### MS424 4x4 Active Mic Splitter

- Unity gain structure with excellent line driving ability
- Transformer balanced outputs with distortion cancellation circuitry
- Phantom power on each channel
- Accepts microphone or line levels with Pad switch
- Internal linking for multiple feeds
- Internal PSU

### MS424X 4x4 Active Mic Splitter with transformer balanced inputs



### MS1224 12x4 Active Mic Splitter System

- 12 channels, each with 1 direct link and 4 transformer balanced outputs
- Unity gain structure with excellent line driving ability
- Headphone monitor bus with dynamics enhancement and limiting
- Multicore wiring option
- Flexibility of I/O connector mounting
- Accepts microphone or line levels with Pad switch
- Phantom power on each channel
- Separate Earth Lift for each group of outputs
- External PSU for up to 4 units (MS1224PS) with backup PSU (MS1224PS-BU) option

### MS1224PS External Power Supply for up to 4 units

### MS1224PS-BU Backup Power Supply Unit

## DISTRIBUTION



### DA82 Distribution Amplifier

- 1 into 8 mono or 2 into 8 stereo distribution
- Two inputs and 8 outputs
- Electronically balanced I/O on XLRs
- Mono/Stereo Operation
- Levels can be set by calibration trimmers or front panel knobs

## ACCESSORIES

### D12 Active DI Box

- Pad for speaker input
- Ground Lift switch
- Battery or phantom powered
- Balanced output on XLR and unbalanced on jack
- Excellent line driving ability
- +20dB gain for low level signals
- High impedance  $1\text{M}\Omega$  input with link socket



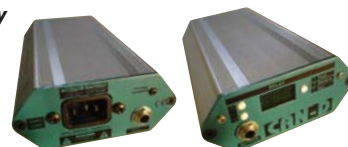
### DBTPLUS Transformer Balancing Interface



- Ground Lift switch
- Input connections for XLR, Jack or RCA
- Dual  $600\Omega$  transformer balancing interface
- High quality low distortion transformer balancing

### CAN-D Headphone Delay

- Internal PSU
- Stereo delay – up to 678ms
- Unity gain structure
- Suitable for line level delay, e.g. for powered speakers



## DYNAMIC PROCESSORS



### G400 Quad Frequency Conscious Gate

- 4 channel or dual stereo operation
- Variable Filter Frequency, Threshold and Release
- Range is switchable between -80dBu and -20dBu
- Fast or Slow attack modes
- High and Low Pass sidechain filters
- Sidechain Listen facility
- Sidechain insert
- External Key jack



### DLX240 DSP System Management – 2 In, 4 Out Crossover, Delay, EQ & Limit

- 96kHz sampling frequency
- Up to 40kHz response  $\pm 1\text{dB}$
- 8 bands of EQ on every in and out
- New Hardman progressive filters
- 45 user and ready-made presets



### DLX260 DSP System Management – 2 In, 6 Out – Crossover, Delay, EQ & Limit

- 96kHz sampling frequency
- Up to 40kHz response  $\pm 1\text{dB}$
- 8 bands of EQ on every in and out
- New Hardman progressive filters
- 45 user and ready-made presets

# LAB.GRUPPEN

## TOURING / PORTABLE



### PLM™ SERIES - Portable Loudspeaker Management system™

Lab.gruppen's PLM Series is a seamless fusion of cutting-edge technologies from two innovators in live audio: Lake and Lab.gruppen. Each PLM product combines groundbreaking Lake signal processing with an amplifier platform based on the power density, sonic purity, and demonstrated reliability of Lab.gruppen's FP+ Series. The result is Powered Loudspeaker Management (PLM), a comprehensive loudspeaker drive system integrating crossover, delay, equalization, limiting, audio networking, and power amplification. The expanded PLM Series now affords users total flexibility in re-configuring racks for power-hungry subwoofers, line arrays, or stage monitors.

Output Power at 2 / 4 ohms

<b>PLM 14000-BP</b>	2 x 7000 / 4300 W
<b>PLM 14000-SP</b>	2 x 7000 / 4300 W
<b>PLM 10000Q-BP</b>	4 x 2500 / 2300 W
<b>PLM 10000Q-SP</b>	4 x 2500 / 2300 W

Includes Lake® Controller Software



### FP+ SERIES AMPLIFIERS

In today's tough touring environment, sound hire companies are relying on Lab.gruppen's FP+ Series amplifiers for performance that leads to profitability. Simply put, no other amplifiers can match the FP+ Series' reputation delivering superior sound quality, enduring severe stress, and packing more power into downsized equipment racks. Now the FP+ Series offers more options for fitting this performance into your future tours with power output from 1500 to 7000 watts per channel, including two four-channel versions. Regardless of your system size or programme material – from delicate classical to slamming hip-hop – your FOH arrays and monitor wedges will realise full performance potential under FP+ Series power.

Output Power at 2 / 4 ohms

<b>FP 14000-BP</b>	2 x 7000 / 4400 W
<b>FP 9000-BP</b>	2 x 4500 / 3000 W
<b>FP 7000-BP</b>	2 x 3500 / 2800 W
<b>FP 7000-SP</b>	2 x 3500 / 2800 W
<b>FP 4000-BP</b>	2 x 2000 / 1600 W
<b>FP 4000-SP</b>	2 x 2000 / 1600 W
<b>FP 10000Q-BP</b>	2 x 2500 / 2100 W
<b>FP 10000Q-SP</b>	2 x 2500 / 2100 W
<b>FP 6000Q-BP</b>	2 x 1500 / 1200 W
<b>FP 6000Q-SP</b>	2 x 1500 / 1200 W



### fP SERIES AMPLIFIERS

After more than a decade of relentless touring, enduring the most demanding conditions imaginable, fP Series amplifiers have a hard-earned reputation for die-hard reliability and consistently superior audio performance.

Output Power at 2 / 4 ohms

<b>fP 6400</b>	2 x 3200 / 2300 W
<b>fP 3400</b>	2 x 1700 / 1500 W
<b>fP 2600</b>	2 x 1200 / 840 W
<b>fP 2200</b>	2 x 1100 / 650 W
<b>fP 2400Q</b>	4 x 650 / 590 W

Known for years as 'the coolest amps in the world', fP Series amplifiers are a solid investment in proven performance – ones that will recover their cost time and again.

fP Series Adjustable Rear Rack Support (2pcs)

## PERMANENT INSTALLATION



### C SERIES AMPLIFIERS

Introducing the installation-dedicated C Series from ghLab.gruppen. Lab.gruppen's hallmark, tour-honed design philosophies are now available with innovative feature sets tailor-made for the fixed installation market. The flexible C Series of four- and eight-channel amplifiers couple space saving power-to-size ratio and high channel density to superb sound quality and continuous reliability.

Output Power at 4 / 8 ohms / 70V / 100V

<b>C 88:4</b>	2 x 2100 / 1250 / 2200 / 2200 W*
<b>C 68:4</b>	2 x 1700 / 1200 / 1600 / 1600 W
<b>C 48:4</b>	2 x 1200 / 1000 / 900 / 900 W
<b>C 28:4</b>	2 x 700 / 700 / 700 / 700 W
<b>C 16:4</b>	2 x 300 / 400 / 400 / 400 W
<b>C 10:4X</b>	2 x 250 / 250 / 250** W
<b>C 5:4X</b>	4 x 125 / 125 / 125** W
<b>C 20:8X</b>	8 x 250 / 250 / 250** W
<b>C 10:8X</b>	8 x 125 / 125 / 125** W

\* (4 x 2200 W at 2 ohms)

\*\* Achievable in mono-bridge mode; see data sheets

## UNIVERSAL / CONVENTIONAL



### iP SERIES AMPLIFIERS

Made in rock-solid style, virtually everything about these power supplies with their toroid transformers is far from conventional!

Output Power at 2 / 4 ohms

<b>iP 2100</b>	2 x 1050 / 700 W
<b>iP 1350</b>	2 x 700 / 500 W
<b>iP 900</b>	2 x 470 / 320 W
<b>iP 450</b>	2 x 200 / 160 W

The iP Series shares many features with fP Series amplifiers: Intercooler, ALS, Multiple Position Gain Switch, easily removable dust filters on the front panels, and much more... As a result, the user enjoys superb sonic quality up to more than 2000 W from very small units, maximum 2U high and 325 mm/12.8" inches deep, ideal for instal and mobile applications.

## REMOTE MONITORING



### NOMADLINK® - Remote Monitoring and Control System

The NomadLink network provides remote monitoring, control, and power sequencing functions for multiple C Series or FP+ Series amplifiers. A full NomadLink network can comprise as many as 16 subnets, and each can accommodate up to 60 amplifiers, thus allowing a single laptop computer – running Lab.gruppen's DeviceControl software – to monitor and control as many as 960 amplifiers.

<b>NLB 60E</b>	Nomadlink® Network Bridge
Includes Device Control Editor Software	



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