

INDEX

mixing consoles

rd series	pag. 3 - 4
rx series	pag. 5
swing 32	pag. 6

compact p.a. systems

system 200	pag. 7
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amplifiers

procon series	pag. 8
pfx 1.3	pag. 9

speakers

performance series pfm	pag. 12 - 15
titanium series	pag. 17 - 19
sp series	pag. 20 - 21
spx series	pag. 22 - 23
d400	pag. 25

speaker systems

cyclop system	pag. 26
hercules system	pag. 27 - 28
pegasus system	pag. 29
poseidon system	pag. 30 - 31

digital processors

dx series	pag. 34
fx series	pag. 35

analog processors

eq series	pag. 36
clx 2 ²	pag. 37
xo series	pag. 39

wireless microphones

L2000/L3000 series	pag. 40 - 41
L300	pag. 42 - 43

wireless in-ear-monitors

pm 1c series	pag. 44
pm 16c series	pag. 45

accessories

accessories	pag. 46 - 47
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Ever since its foundation in 1969, the Italian sound reinforcement brand LEM has been working with Italy's finest artists and entertainment shows. Based on the expertise achieved in more than 30 years of continuous Research and Development activity in the sector, LEM's goal is to produce innovative solutions wherever a high sound quality is important.

From this approach derive state-of-the-art products with vanguard technology, as a 40 bit digital processor featuring a proprietary LEM DSP, editor software for the control of processing functions in the digital integrated loudspeaker systems, high resolution 24 bit converters, custom made loudspeakers, reliable components and newest materials such as neodymium together with an all-over product design made in Italy.

LEM Professional Sound systems are chosen for a wide range of applications, both indoor and outdoor: installations, concerts, gigging bands, theatres, discos and special events.

rd series

RD is LEM's recent series of mixing consoles designed for getting the most out of small P.A. systems as used by musicians, for home recording, multimedia systems and small permanent installations.

All RD models feature mono channels with mic/line input and phantom power supply and two stereo line input channels. Each channel has low-cut filters, 3 band EQ, 2 auxiliary sends, Solo function, peak led and sliders.

RD 122 fx is also equipped with sweepable mid EQ, 3 aux sends and selectable input sensitivity for stereo channels. The FX versions have a built-in processor which is loaded with 16 practical preset banks where users can choose between various reverbs, mono and stereo delays and combined effects.

But this is not all: the Variations section adds 16 different settings (decay, depth, harmonic content, etc.) to the selected preset, for a total of 256 possible combinations.

rd 82



- 4 mic/line input channels with phantom power
- low cut filter
- 2 stereo input channels
- 3 bands EQ
- 2 aux sends
- solo with peak LED
- 45mm sliders
- 1 stereo return on master
- 1 return on monitor
- balanced & unbalanced master outs
- control room out
- 12 LED bargraphs
- 246 x 73 x 306mm (L x H x D)
- 2,9kg

rd 82 fx



- 4 mic/line input channels with Phantom power
- low cut filter
- 2 stereo input channels
- 3 bands EQ
- 2 aux sends
- solo with peak LED
- 45mm sliders
- 1 stereo return on master
- 1 return on monitor
- balanced & unbalanced master outs
- control room out
- 24 bit built-in digital effect processor
- 256 presets
- 12 LED bargraphs
- 246 x 73 x 306mm (L x H x D)
- 2,9kg

rd 122

8 mic/line input channels
with phantom power
low cut filter and insert point
2 stereo input channels
3 band Eq with sweep mid
3 aux sends
solo, mute and peak LED
ALT assign
60mm sliders
1 stereo return on master
1 return on monitor
balanced & unbalanced master outs
insert point on master outs
12 LED bargraphs
392 x 392 x 80mm (L x H x D)
6kg

rd 122 fx

8 mic/line input channels
with phantom power
low cut filter and insert point
2 stereo input channels
3 bands Eq with sweep mid
3 aux sends
solo, mute and peak LED
ALT assign
60 mm sliders
1 stereo return on master
1 return on monitor
balanced & unbalanced master outs
insert point on master outs
control room out
24 bit built-in digital effect processor
256 presets
12 LED bargraphs
392 x 392 x 80mm (L x H x D)
6kg

RX series

Given the increasing demand of all-in-one systems, LEM has designed the RX powered mixing consoles, where the big plus is to have a single feature-packed device which manages the audio sources as microphones and instruments, the effects and the speaker's amplification.

LEM has also paid attention to easy handling and transport for these reliable and great sounding tools: every part has been optimized by our engineers. The power amplifiers feature oversized components assuring a trouble-free nominal power supply.

Both models include a high quality 24 bit DSP which provides reverb, delay, chorus, flanger and combined effects. 16 Preset banks with 16 variations are available, for a total of 256 different effects (16 effects in RX 200).

rx 200

4 mono input channels
2 stereo input channels
3 bands Eq
1 aux send
phantom power
24 bit built-in digital effect processor
16 presets
built-in power amplifier
100+100W on 4 Ohm
257 x 277 x 102mm (L x H x D)
5kg

rx 300

4 mono input channels
with phantom power
low cut filter
2 stereo input channels
3 bands Eq
2 aux sends
PFL and peak LED
45mm sliders
1 stereo return with monitor assign
sound processor on the main outs
with high and low enhancer
master out with insert and mono out
8 LED bargraphs
built-in power amplifier
150 + 150W on 8 Ohm
anti-clipping circuit
364 x 149 x 390mm (L x H x D)
8kg

swing 32

Thanks to the sophisticated set of features, the advanced technical solutions and the high audio quality, Swing 32 is a professional console suitable for the most demanding applications.

Swing 32 features 24 mono and 4 stereo channels, for a total of 32 inputs, insert points on all microphone channels, a 3-band EQ with lo-cut and sweep mid, solo function AFL and PFL and balanced master outputs with xlr and jack trs connectors.

The superior audio quality is provided by lownoise, high-grade microphone preamps, low-tolerance electronic components and accurate circuitry designed to guarantee the maximum dynamics without distortion.

swing 32



- 24 mono input channels
- 4 stereo input channels
- 3 bands Eq with sweep mid
- PFL/mute/assign
- insert point
- direct outputs
- 2 aux pre
- 2 aux pre/post
- 2 aux post
- phantom power
- 100mm sliders
- 4 groups
- mix b/control room outs
- 960 x 95 x 505mm (L x H x D)
- 16kg

system 200

System 200 is a very compact amplification system, which integrates RX 200 powered mixer, two reliable PFM 10.2 loudspeakers, a LM20 dynamic microphone and a complete set of connection cables.

System 200 has been conceived for the maximum simplicity in handling and transport and is an ideal solution for small P.A. applications, live or recorded music to voice amplification, in conference rooms, public venues or domestic systems.

system 200



rx 200 powered mixer

- 4 mono input channels
- 2 stereo input channels
- phantom power
- 3 bands Eq
- 1 aux send
- 24 bit built-in digital effect processor
- 16 presets
- built-in power amplifier
- 100+100 W on 4 Ohm
- 257 x 277 x 102mm (L x H x D)
- 5kg

2 pfm 10.2 on 4 Ohm

- 1 10" woofer
- 1 horn loaded tweeter
- 100W on 4 Ohm
- 340 x 458 x 285mm (L x H x D)
- 9kg

LM20 dynamic mic

- with cardioids polar pattern
- set of connection cables

procon series

Procon power amplifiers have been developed to provide great efficiency, dynamics and reliability levels at a very affordable price. The accurately designed circuitry and the selected components offer an excellent sound quality and high fidelity audio reproduction in a metal chassis that assures maximum sturdiness.

procon 400



2 x 200W on 4 Ohm, 2 x 125W on 8 Ohm, 2 rack units, 11kg

procon 750



2 x 375W on 4 Ohm, 2 x 215W on 8 Ohm, 2 rack units, 12,8kg

procon 950



2 x 475W on 4 Ohm, 2 x 275W on 8 Ohm, 2 rack units, 14,6kg

procon 1250



2 x 625W on 4 Ohm, 2 x 375W on 8 Ohm, 2 rack units, 18kg

procon 1500



2 x 750W on 4 Ohm, 2 x 450W on 8 Ohm, 2 rack units, 20kg

pfx 1.3

The switching power amplifier PFX 1.3 is designed to satisfy the professional user requirements in the most demanding sound reinforcement applications. PFX 1.3 is a class H-power amplifier with switching technology SMPS (Switching Mode Power Supply). This technology offers increased efficiency and better control of heat dissipation than conventional power supply systems and a drastic reduction of dimensions and weight, for easy transportation and handling.

pfx 1.3



650 + 650W on 4 Ohm
 450 + 450W on 8 Ohm
 1300W bridged 8 Ohm
 thermal protection
 reactive load driving capability
 on/off mute
 AC and DC protection
 clip limiter
 dual or bridge mode
 combo connectors
 speakon connectors
 binding post
 2 rack units
 11,3kg



performance series

The Performance loudspeaker series (PFM) provides the most convenient solution for a wide range of permanent and portable amplification systems and offers a crisp and powerful sound, accurate construction and total reliability. Versatile and efficient tools for live musicians, the Performance loudspeakers are also suitable for installations in clubs, pubs, and public venues.

At an optimum price/quality ratio, PFM loudspeakers feature a niobium horn tweeter with polycarbonate diaphragm for the top end, ensuring brightness and frequency extension. An electronic circuit protects the tweeter against any possible overload for maximum reliability. The custom made woofers deliver a tight bass with an even and smooth response. PFM cabinets are lightweight and durable.

pfm 10.2 active



built-in 100W power amplifier
1 niobium tweeter
10" woofer
chipboard cabinet with blue carpet
and metal grid
340 x 458 x 285mm (L x H x D)
12kg

pfm 10.2
passive version
100W on 8 Ohm
9kg

pfm 12.2 active



built-in 150W power amplifier
1 niobium tweeter
12" woofer
chipboard cabinet with blue carpet
and metal grid
390 x 508 x 325mm (L x H x D)
15,5kg

pfm 12.2
passive version
150W on 8 Ohm
11,5kg

pfm 15.2 active



built-in 250W power amplifier
1 niobium tweeter
15" woofer
chipboard cabinet with blue carpet
and metal grid
458 x 578 x 405mm (L x H x D)
21,5kg

pfm 15.2
passive version
250W on 8 or 4 Ohm
16,5kg

pfm 15.3 active



built-in 250W power amplifier
for low section
built-in 80W power amplifier
for mid-high section
1 niobium tweeter
8" midrange
15" woofer
chipboard cabinet with blue carpet
and metal grid
482 x 608 x 405mm (L x H x D)
24,5kg

pfm 15.3
passive version
250W on 8 or 4 Ohm
19,5kg

pfm 15 sub active



built-in 350W power amplifier
internal electronic crossover
15" woofer
chipboard cabinet with blue carpet
and metal grid
470 x 508 x 478mm (L x H x D)
24,5kg

pfm 15 sub
passive version
350W on 4 Ohm
19,5kg

pfm 18 sub active

built-in 350W power amplifier
internal electronic cross-over
18" woofer
chipboard cabinet with blue carpet
and metal grid
630 x 540 x 550mm (L x H x D)
35kg

pfm 18 sub
passive version
350W on 4 Ohm
28,5kg

pfm 15.3 xl

500W on 4 Ohm power handling
1" driver loaded on ewt™ horn
2 x 15" woofer
speakon connectors
chipboard cabinet with blue carpet
and metal grid
477 x 1052 x 430mm (L x H x D)
27kg

pfm 8 ma

stage monitor
built-in 100W power amplifier
8" wide-range double cone
chipboard cabinet with blue carpet
and metal grid
305 x 395 x 275mm (L x H x D)
11,5kg

pfm 12.2 ma

stage monitor
built-in 250W power amplifier
1 niobium tweeter
12" woofer
chipboard cabinet with blue carpet
and metal grid
390 x 508 x 325mm (L x H x D)
15kg

pfm 15.2 ma

stage monitor
built-in 250W power amplifier
1 niobium tweeter
15" woofer
chipboard cabinet with blue carpet
and metal grid
450 x 572 x 400mm (L x H x D)
21,5kg

titanium series

Titanium is the new loudspeaker series with digital processor and cabinet in plywood with a contemporary design. LEM has developed Titanium as one of the first system of this type to combine a powerful digital processor and the most advanced solutions as far as speaker construction and the integrated power amplifier are concerned, positioning Titanium on the top of its category for price/performance ratio.

Titanium's digital processor features a 24 bit low-noise conversion system and a 40 bit processing power and performs with the highest precision. The processor's 16 presets have been studied by our sound engineers in order to provide the system with different acoustical and dynamic responses in a vast series of applications.

All active versions feature bi-amplification modules able to drive each single speaker with high dynamic range and real power values. The Titanium series has been conceived for touring systems, live performances and all permanent installations where the best acoustic results and high performances in terms of reliability and efficiency are of the essence.

T3A



1" compression driver
horn loaded (90x65°)
10" woofer
built-in bi-amplification
200+100W
internal digital processor
with 16 presets
cabinet in plywood, scratch-resistant
paint, metal grid
357 x 490 x 355mm (L x H x D)
22kg

T200
passive version
200W on 8 Ohm
357 x 490 x 305mm (L x H x D)
14,5kg

T4A



1" compression driver
horn loaded (100x60°)
12" neodimium woofer
built-in bi-amplification
300+100W
internal digital processor
with 16 presets
cabinet in plywood, scratch-resistant
paint, metal grid
400 x 608 x 390mm (L x H x D)
25kg

T300
passive version
300W on 8 or 40hm
400 x 608 x 340mm (L x H x D)
17,5kg

SPEAKERS

T5A



1" compression driver
horn loaded (100x60°)
15" neodymium woofer
built-in bi-amplification
400+100W
internal digital processor
with 16 presets
cabinet in plywood, scratch-resistant
paint, metal grid
456 x 690 x 430mm (L x H x D)
32kg

T400

passive version
400W on 8 or 4 Ohm
456 x 690 x 380mm (L x H x D)
22,5kg

T6A



1" compression driver
horn loaded (90x65°)
8" midrange
15" neodymium woofer
built-in bi-amplification
400+200W
internal digital processor
with 16 presets
cabinet in plywood, scratch-resistant
paint, metal grid
456 x 804 x 430mm (L x H x D)
37kg

T500

passive version
500W on 8 or 4 Ohm
456 x 804 x 380mm (L x H x D)
28kg

T5SA



15" neodymium sub
built-in 500W power amplifier
internal digital processor
with presets
cabinet in plywood, scratch-resistant
paint, metal grid
466 x 600 x 600mm (L x H x D)
43,5kg

SPEAKERS

T4MA



12" coaxial woofer
1" compression driver
horn loaded
built-in bi-amplification
250+50W
internal digital processor
with presets
cabinet in plywood, scratch-resistant
paint, metal grid
506 x 326 x 422mm (L x H x D)
26kg

T5MA



15" coaxial woofer
1" compression driver
horn loaded
built-in bi-amplification
100+350W
internal digital processor
with presets
cabinet in plywood, scratch-resistant
paint, metal grid
586 x 356 x 495mm (L x H x D)
33,5kg

rear panel



sp series

The SP series is a set of multi-purpose professional speaker systems developed for portable amplification sets-ups, live and studio performances and a number of other installation possibilities.

The three models, SP live, SP media and SP sub, are equipped with a powerful internal amplifier which allows simple and efficient multi-way amplification systems to be set up. SP series are easily handled by one person as the speaker cabinets are equipped with a special mounting system which includes four different hugging points.

SP series offer an impressive sound quality in a surprisingly compact and lightweight design.

sp live active

built-in 90W power amplifier
6,5" wide-range
cabinet in polypropylene with
mineral fibres
194 x 300 x 251mm (L x H x D)
6,2kg

sp live
passive version
90W on 8 Ohm
4kg

sp media active

built-in 90W power amplifier
1" tweeter on ewt™ horn
6" woofer
cabinet in polypropylene with
mineral fibres
194 x 300 x 251mm (L x H x D)
6,8kg

sp media
passive version
90W on 8 Ohm
4,6kg

sp sub active

built-in 350W power amplifier
stereo inputs and outputs
built-in electronic crossover with
variable frequency
12" woofer
cabinet in polypropylene with
mineral fibres
530 x 386 x 443mm (L x H x D)
21,5kg

**T system****stack system****totem system**

SPEAKERS

spx series

Derived from the highly successful SP systems, SPX are a series of speakers for all those applications that require the maximum durability and studio-quality sound.

The SPX speakers are equipped with a powerful internal amplifier. The speaker cabinets of SPX live and SPX media are made of polypropylene - reinforced with mineral fibres -, whereas the cabinet of the sub is in MDF. The elegant cabinet grants durability, easy transportation versatile setups and an excellent dimension/power ratio.

SPX utilize the same high-quality custom LEM speakers as the SP series offering a linear frequency response without distortion. All amplifiers are equipped with an anti-clipping circuit and feature highly professional connection panels.

spx live active



built-in 90W power amplifier
6,5" wide-range
cabinet in polypropylene with
mineral fibres
194 x 300 x 220mm (L x H x D)
6,2kg

spx live
passive version
90W on 8 Ohm
4,6kg

spx media active



built-in 90W power amplifier
1" tweeter on ewt™ horn
6" woofer
cabinet in polypropylene with
mineral fibres
194 x 300 x 220mm (L x H x D)
6,8kg

spx media
passive version
90W on 8 Ohm
4,6kg

SPEAKERS



spx sub active



built-in 350W power amplifier
stereo inputs and outputs
built-in electronic crossover with
variable frequency
12" woofer
MDF cabinet
486 x 340 x 350mm (L x H x D)
24kg

rear panel



d400

D400 is one of the first speakers in its category to combine a powerful digital processor with state-of-the-art solutions as far as loudspeakers, power amplifiers and cabinets are concerned. The integrated digital processor features a 24 bit low-noise conversion system and a 40 bit processing power and performs with the highest precision. The processor's 16 presets - utilising EQ, crossover settings, multiband compression, noise gate and anti-feedback - have been studied by our sound engineers in order to provide a great variety of acoustical and dynamic responses for different applications (i.e. *Entertain* for a crisp sound and a clear response without massive external EQ; *Max loud* gives a big boost in the high and low end and a slight cut in the mid region).

Based on it's trapezoidal form, D400 can also be used as stage monitor. Even though the new D400 speaker model is as technology-packed as a high-end professional speakers, LEM has succeeded in giving D400 both a light weight (only 19kg, aluminium carrying handles) and a light price, making it the ideal product for gigging bands, DJs, pubs, clubs and other permanent installations.

d400



2 way bi-amplified system
 1" compression driver
 with titanium diaphragm
 mounted on a high-efficiency CD horn
 12" high-excursion woofer with
 2.5" voice and neodymium magnet
 built-in power amplifiers 300+100W
 built-in digital processor with HPF and
 LPF crossover filters
 25 bands parametric eq delay and
 phase alignment
 additional processing plug-ins:
 multicomp, noise gate, anti-feedback
 16 presets
 digital protection system
 high-density polypropylene
 4 M10 flying points
 400 x 620 x 375mm (L x H x D)
 20kg

x300

passive version
 300W on 4 and 8 Ohm
 power handling
 13kg

rear panel



cyclop system

Cyclop is an integrated loudspeaker system designed to provide musicians and audio professionals with the best solution for a high quality sound reproduction.

Cyclop is a 3-way bi-amplified system consisting of two satellites and one subwoofer. The amplifier module in the subwoofer feeds both the satellites and the sub integrating loudspeakers, amplifiers and electronic controls in one system. The sub also includes four wheels on the back panel; its front panel is designed in order to accommodate the two satellites for the easiest transportation possible. A stage pack containing all necessary accessories for the installation is also available.

cyclop



3 ways active p.a. system
2 two-ways satellites with
tweeter and 8" woofer - 150W
15" subwoofer - 300W
with built-in power amplifier
300W for the sub
2 x 150W for the satellites
MDF cabinet, scratch-resistant paint

sat
274 x 430 x 242mm (L x H x D)
7kg

sub
546 x 476 x 630mm (L x H x D)
39kg

cyclop stage pack



1 carrying bag
2 aluminium stands
2 carrying bags for the aluminium
stands
2 speakon-speakon cables, 10m
2 jack-jack (bal.) cables, 10m

hercules system

Hercules is a three-way tri-amplified system based on a satellite and a subwoofer, which combines in the same product loudspeakers, signal processors and power amplifiers.

The amplification module in the subwoofer cabinet includes three different power amplifiers (one for each loudspeaker) and a 24dB/oct. crossover network that performs a perfect frequency separation.

The cabinets are made of MDF with scratch-resistant paint, which guarantees maximum sturdiness and durability in all conditions. We have paid maximum attention at the cabinet construction, in order to provide easy transportation and handling.

Hercules is a professional integrated P.A. system which provides high efficiency and superior audio quality. It can be used not only as a portable live P.A. system for bands, but also for permanent installations in clubs and conference rooms.

hercules sat



2 ways bi-amplified satellite
1" compression driver 50W
on ewt™ horn for the high section
12" woofer 150W
speakon connectors
to be used also as stage monitor
MDF cabinet, scratch-resistant paint
370 x 506 x 325mm (L x H x D)
16,4kg

hercules sub



high efficiency 15" woofer
in bass-reflex configuration
integrated power amplifier module
with:
1 power amplifier 300W for sub
2 power amplifiers 50W and 150W
for satellites
active crossover for the frequency
separation
active eq circuit for the system
compensation
three different anti-clipping circuits
for the loudspeaker protection
4 wheels
MDF cabinet, scratch-resistant paint
546 x 476 x 630mm (L x H x D)
39kg

hercules standard set-up



The standard setup consists of two satellites and two subwoofers.

hercules double set-up



The double setup consists of two satellites and four subs. The two additional satellites can be used as stage monitors.

hercules stage pack

1 carrying bag
2 aluminium telescopic stands
2 connection cables
jack-jack (bal.), 15m



pegasus system

Pegasus is, together with Poseidon, part of LEM's line of feature-packed digitally integrated loudspeaker systems which have been conceived to meet the requisites for extremely demanding applications. Pegasus systems are equipped with the 400+400W Digitally Processed Power Module which integrates the amplifiers with a sophisticated digital processor based on a proprietary LEM DSP. The digital processor features 40 bit internal processing and high resolution, low noise 24 bit converters for superb audio quality and excellent dynamic range. Pegasus' digital control features include HPF and LPF crossover filters, 5 parametric EQ input and 10 parametric EQ output filters, master delay compensation and individual loudspeaker alignment, phase adjustment and high precision limiters. Four additional plug-ins enhance the performances. The module's power amplifiers include a VDAT (Variable Damping Assisted Tuning) system which guarantees maximum efficiency, particularly in the low frequency zone. Additional limiters allow the constant control of the maximum output power, providing optimal dynamics and avoiding the most annoying acoustical effects which are typical of analogue systems. For demanding applications as live music in clubs, theatres and concert halls, ballrooms, convention centers.

pegasus sat 212



2" horn loaded driver
12" woofer in bass reflex
2 built-in 400W power amplifiers
VDAT system
40 bit built-in digital processor
editable via PC (dx editor)
with RS232 connection
4 plug-ins: noise gate, hum cancel,
multi-band compressor, antifeedback
plywood cabinet with protection foam
and metal grid
424 x 638 x 440mm (L x H x D)
44kg

pegasus sub 118



18" woofer in bass reflex
built-in 800W power amplifier
VDAT system
40 bit built-in digital processor
editable via PC (dx editor)
with RS232 connection
4 plug-ins: noise gate, hum cancel,
multi-band compressor, antifeedback
plywood cabinet with protection foam
and metal grid
4 wheels
620 x 620 x 566mm (L x H x D)
60kg

poseidon system

Poseidon heads LEM's line of high-quality amplified loudspeaker systems for the most demanding indoor and outdoor applications, offering a surprisingly cost efficient alternative to high-priced products.

Poseidon basically features the same technology as Pegasus (see p. 29), but LEM has further enhanced Poseidon's efficiency by adding a series of particular elements: horn loaded drivers and woofers, push-pull systems and band-pass cabinets assure the maximum acoustic diffusion and an extraordinary sonic pressure for live music in stadiums, arenas, concert halls, large theatres and ballrooms.

poseidon sat 212



- 2" horn loaded driver
- 12" horn loaded woofer
- 2 built-in 400W power amplifiers
- V DAT system
- 40 bit built-in digital processor
- editable via PC (dx editor)
- with RS232 connection
- 4 plug-ins: noise gate, hum cancel,
- multi-band compressor, antifeedback
- plywood cabinet with protection foam
- and metal grid
- 604 x 973 x 723mm (L x H x D)
- 67kg

poseidon sat 212 fly
8 flying bars
4 different positions for flying

poseidon sub 218

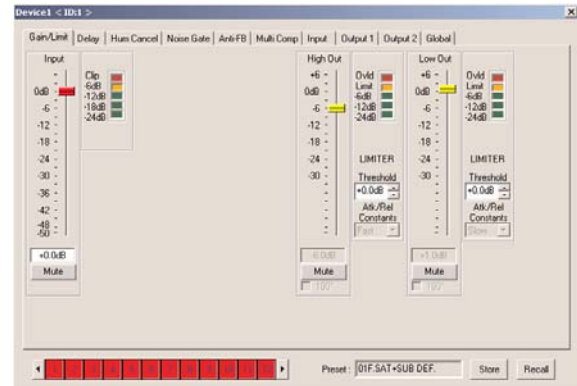
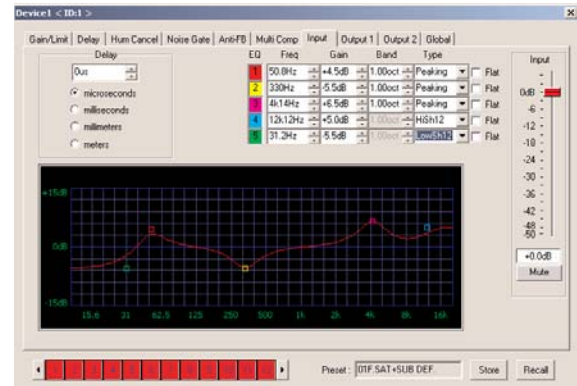
- 2 18" woofers in push-pull in a band-pass box
- 2 built-in 400W power amplifiers V DAT system
- 40 bit built-in digital processor editable via PC (dx editor)
- 4 plugins: noise gate, hum cancel, multi-band compressor, antifeedback
- plywood cabinet with protection foam and metal grid
- 4 wheels
- 1460 x 540 x 735mm (L x H x D), 127kg



dx editor

The DX editor software has been developed by LEM for the control from PC of Poseidon, Pegasus and the dx series. It grants easy access to all the processor's parameters, allowing to control all functions from PC.

Download your free dx editor software at www.lemaudio.com



rs kit

- serial system connection
- for processor software control
- 2 RSC serial converters
- with external PSU
- two RS232 serial cables
- 9-pin (1,5 m)
- one RS485 serial cable
- with 5-pin XLR on both ends (30m)





dx series

DX 24 and DX 26 plus are the digital loudspeaker processors based on a proprietary LEM DSP. This powerful 40 bit DSP, together with 20 bit and 24 bit converters, ensures great audio quality and dynamics, suitable for the most demanding applications.

Both models include factory presets with general purpose configurations to be used in different kinds of systems. User presets for the storage of personal setups are also available. Both DX models are equipped with a remote control interface.

The DX Editor control software (see p. 31) grants easy access to all the processor's parameters and functions from PC.

dx 24

digital speaker processor
40 bit internal processing
20 and 24 bit A/D and D/A converters
2 way stereo (2 in/4 out)
up to 48dB/oct. digital crossover
and output delay, phase alignment, limiter
17 factory presets + 64 user presets
2 x 16 LCD
MIDI interface
DX Editor software PC control
1 rack unit
4kg

dx 26 plus

digital speaker processor
40 bit internal processing
24 bit 1 A/D and D/A converters
3 way stereo (2 in/6 out)
up to 48dB/oct. digital crossover
and output delay, phase alignment, limiter
21 factory presets + 128 user presets
memory card slot
AES/EBU digital input
2 x 16 LCD
RS485 e RS232 serial interface
DX Editor software PC control
1 rack unit
4kg

fx series

LEM digital multi-effects FX offer musicians, technicians and recording studios state-of-the-art algorithm effects and the purity of 40 bit digital sound.

FX 22 and FX 24 have some of the best reverb, delay and modulation effects available: extremely realistic Hall and Plate reverbs, bounce and tape-back vintage effects, rich Chorus as well as Flanger, Phaser and Rotary Simulator in pure analogue style.

Fx are easy to use, high quality processors at an incredible price.

fx 22

digital double effect processor
40 bit internal processing
two independent stereo effects
dual or combi mode
121+121 presets
1/2 rack unit
1,2kg

fx 24

digital double effect processor
40 bit internal processing
two independent stereo effects
up to 3 effects for each preset
up to 3 editable parameters
128 factory presets + 128 user presets
3 digit LCD
MIDI interface
1 rack unit
4kg

eq series

The EQ series is designed to guarantee high audio quality and maximum reliability for DJ systems, live applications, home recording and permanent installations.

The two mono models with 31 bands of EQ, 20 or 60mm faders and the choice of several kinds of balanced and unbalanced connections. Each model offers a selectable fader range (6/12dB) and hi-pass and low-pass filters.

eq 311²

31 band graphic eq
20mm sliders
hpf + lpf
 $\pm 6 / \pm 12$ dB range
1 rack unit
3kg

eq 311 d²

31 band graphic eq
60mm sliders
hpf + lpf
 $\pm 6 / \pm 12$ dB range
2 rack units
3,7kg

clx 2²

The CLX2² is a sophisticated dynamics processor which includes three different types of processing:

Compressor/Limiter with threshold, attack, release, compression ratio and gain parameters
Expander/Gate for noise reduction
Dynamic Enhancer for high frequency compensation.

Preserving the acoustical properties of the signal and providing a complete set of features and an extremely good price/performance ratio, the CLX2² is the ideal complement to any audio signal chain.

clx 2²

compressor/limiter/expander
2 in/2 out
side chain insert
interactive compressor
adaptive expander
dynamic enhancer
1 rack unit
3kg

XO series

The Signal Processor series includes two electronic crossovers: the XO 202² as a stereo two-way and the XO 203² as a stereo three-way crossover.

In a 1-rack unit chassis, the XO electronic crossovers can apply high-precision, 24dB/oct. Linkwitz/Riley filters. The controls include a constant directivity horn compensation and the connection panel is fitted with balanced xlr and trs jack connectors.

xo 202²

two ways active crossover
 2 in/4 out
 24dB/oct.
 Linkwitz/Riley a 24dB/oct. crossover filters
 CD boost
 1 rack unit
 2,5kg

xo 203²

three ways active crossover
 2 in/6 out
 24dB/oct.
 Linkwitz/Riley a 24dB/oct. crossover filters
 CD boost
 1 rack unit
 2,5kg

L2000/L3000 series

With the Wireless models, LEM offers a series of microphone systems that combines absolute quality and professional performance.

LEM Wireless systems are available in VHF and UHF band, with the possibility to choose up to 8 different frequencies for the simultaneous use of multiple systems. All models can be used with several microphone types granting maximum flexibility.

L2000 sd



VHF switching diversity
7 available frequencies
two antennas VHF receiver
volume and squelch controls
RF LED and signal LED
xlr and jack connectors
external PSU
1/2 rack unit
1,3kg

L2000 td



VHF true diversity
7 available frequencies
two antennas VHF receiver
volume and squelch controls
RF LED and signal LED
xlr and jack connectors
external PSU
1/2 rack unit
1,5kg

L3000 sd



UHF switching diversity
8 available frequencies
two antennas UHF receiver
volume and squelch controls
RF LED and signal LED
xlr and jack connectors
external PSU
1/2 rack unit
1,3kg

HT version with hand-held mic



wireless hand-held mic
dynamic capsule
cardioid polar pattern
243mm (L)

LT version bodypack with lavalier mic



body-pack transmitter
lavalier condenser mic
omnidirectional polar pattern

ST version bodypack with mic headset



bodypack transmitter
headset dynamic mic
cardioid polar pattern

GT version bodypack with connection cable



body-pack transmitter
connection cable
for musical instruments

L 300

L300 is an efficient, user-friendly radio microphone system. The UHF band overcomes the majority of interference problems which are recurrent in the lower bands. L300 is therefore particularly suited to critical situations such as stages and clubs with a lot of lights, amplifiers and reflections.

L300 is available in various versions: with handheld microphone (HT), with headset mic and bodypack transmitter (ST), with lavalier mic and bodypack transmitter (LT) and COMBI, including all three mic versions.

All models include a receiver (in a third of rack cabinet) and are housed in a plastic hard bag for easy handling.

L 300



mono antenna UHF receiver
volume and squelch controls
RF LED and signal LED
xlr and jack connectors
external PSU
carrying case
1/3 rack unit
0,7g

HT version with hand-held mic



wireless hand-held mic
dynamic capsule
cardioid polar pattern
246mm (L)

LT version bodypack with lavalier mic



body-pack transmitter
lavalier condenser mic
omnidirectional polar pattern

ST version bodypack with mic headset



bodypack transmitter
headset dynamic mic
cardioid polar pattern

COMBI version



L300 receiver
wireless hand-held mic
bodypack transmitter
lavalier mic
headset mic

pm 1C series

PM1C is a high quality VHF wireless personal monitor system. The connection between transmitter and receiver is based on a factory preset frequency. Various user-friendly presets are available, with frequency intervals optimised to avoid any interferences with other systems.

The mono system includes the PM1C TX transmission unit, hosted in a 1/2 rack unit chassis, and the PM1C RX single channel receiver, combined with the earphones KOSS *the plug*.

pm 1C tx



VHF mono antenna transmitter
mic input
headphone output
volume control
external PSU
1/2 rack unit
1,4kg

pm 1C rx



bodypack mono receiver
VHF system
high quality earphones
KOSS *the plug*

pm 16C series

LEM PM16C is a high quality personal monitor system, designed for live performances of musicians, performers and actors, for conference rooms and for interpreters.

The PM16C is a stereo system which uses UHF PLL synthesized transmission technology. The UHF band helps to overcome the typical problems of those transmission systems that use lower frequency bands, while the PLL synthesized quartz stabilization cancels RF oscillations preventing cutoffs and interferences even in the most demanding situations. The connection between the transmitter and the receiver can be easily set by selecting one of the 16 channels, corresponding to 16 different frequencies.

The system includes the PM16C TX transmission unit, hosted in a 1/2 rack unit chassis, the PM16C RX bodypack receiver and earphones.

pm 16C tx



UHF mono antenna transmitter
stereophonic transmission
up to 16 selectable channels
stereo input
mic input
headphone output
volume control
external PSU
1/2 rack unit
1,4kg

pm 16C rx k



body-pack stereo receiver
up to 16 selectable channels
UHF system
high quality earphones
KOSS *the plug*

pm 16C rx pro



body-pack stereo receiver
up to 16 selectable channels
UHF system
hi-end single drive
with foam adapter

ACCESSORIES

code	description
951354	Stage Pack Cyclop
951365	Stage Pack Hercules
951283	LM 20 dynamic microphone
950860	SC 20 metal telescopic stand
950199	SC 30 aluminium telescopic stand
950978	SC 31 aluminium telescopic stand
950444	SC 61 stand adaptor (SP and SPX series)
950445	SC 62 mounting clamp (SP and SPX series)
950446	SC 63 table fixing clamp (SP and SPX series)
951125	SC 64 "T" stand (SP and SPX series)
951137	SC 65 flange for speaker stand (SP and SPX series)
951126	SC 80 flange for "T" and "TOTEM" system (SP series)
951127	SC 81 male flange (SP series)
951128	SC 82 female flange (SP series)
951131	SC 85 TOTEM system stand (SP series)

ACCESSORIES

code	description
951136	Power connection cable (Pegasus & Poseidon)
951133	Power cable SPK2 speakon cable 2 x 1,5 - 15m
951151	Signal cable JJS jack-jack cable 15m
970294	Rack Adaptor FX22 for FX 22, Wireless series, PM series

