



Fohhn Audio AG
Sound.Innovation.Design.

WWW.FOHHN.COM

Fohhn Audio AG

Hohes Gestade 3-5
D-72622 Nuertingen, Germany

Tel. +49 7022 93323-0

Fax +49 7022 93324-0

info@fohhn.com

www.fohhn.com

Dealer address:



XPERIENCE III

FULLY DIGITAL SOUND SYSTEMS.

The fully digital self-powered PA system
for musicians, entertainers, DJs and rental.



... and it just gets easier!



Fohhn® proudly presents:

... and it just gets easier!

We have been developing self-powered processor-controlled speaker systems for more than 10 years. Our years of experience and the wishes of many users have culminated to produce the new, fully digital Xperience III PA system.

The main objective of Xperience III is to make sound production as easy as possible from the word go. Transportation, operation and sound mixing are made much easier so you can concentrate fully on the most important thing – your audience.



FULLY DIGITAL



The Xperience III Basic System

- Active XS-3 subwoofer
- 2 multifunctional XT-3ND top components
- System output 1,000 W



XPERIENCE III

DIGITAL SOUND SYSTEMS.



The Xperience III Power System

- with additional Sub XS-3
- for maximum power
- System output 2,000 W

Extraordinary sound production with the most up-to-date technology.

Your requirements:

One-man sound system setup for small to medium-sized events. Quick and reliable. Set up unit, plug in and let the event begin! Perfect sound right from the start, whether as top act at a party, for presentations and announcements or dinner music. Sound quality, versatility and safe operation are all essential.

Our solution: Xperience III.

- State-of-the-Art digital technology
- Impressive sound
- Plug & Play
- Low weight
- Extreme versatility
- Excellent operational safety
- Compact dimensions
- Elegant appearance
- Best processing quality



This subwoofer is breathtaking.

SUB XS-3 Self-powered 15"-subwoofer with integral digital amplifier and two digital stereo signal processors (DSPs). It is the centrepiece of the Xperience III system and supplies the necessary amplifier power to the XT-3ND TOPs.

Compact. Light. Powerful.

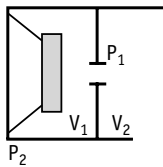
The XS-3 is powered by a full 1,000 W power. It has very compact dimensions of 43 x 59 x 52 cm and weighs only 36 kg. An excellent ratio between performance, size and weight.

The design principle.

Direct sound transmission/back-loaded resonator: direct forward sound dispersion delivers dry, punchy sound. Precise reproduction thanks to two wideband tuned pressure chambers that increase the pressure level in the bass frequency range.

Finest-quality long excursion speakers

Specially manufactured for Xperience III, impressive capacity.



XS-3 design principle:
Power and precision





This Top is simply the best.

TOP XT-3ND Multifunctional 12"/1"-Neodym-Top with 90° x 40° CD horn, 450 W. Time-aligned speaker design. Integral crossover with high-frequency protection circuit. Linear sound design.

Excellent acoustic characteristics.

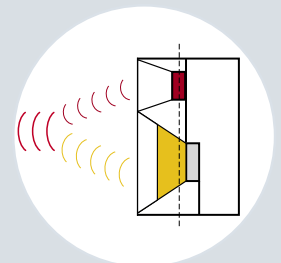
Top-quality speaker components and excellent filter network produce transparent sound. Vocals sound warm and powerful, and clear at both short and long distances.

Extreme flexibility.

Can be used as a system mid-high component with XS-3 SUB or for smaller events fullrange without bass. Can be combined with any standard amplifier and power mixer.

Modern design and good handling.

Appearances are also important. A new wood-processing method gives the speaker a curved flowing design and is ideal for use at more sophisticated events. Convenient transport with ergonomically deep-set carrying handles.



Time-aligned speaker design:
natural, homogenous sound.



Flexible for the future.

No two events are the same. Xperience III gives you the flexibility to cater for all future sound requirements. You decide how you want to use Xperience III.

All system combinations can be implemented quickly and reliably with simple changeovers on the XS-3 SUB.



TOP XT-3ND in flown application – with VXT-3 U-bracket and clamp. Speaker directed perfectly towards the audience.



TOP XT-3ND as a stage monitor system with two different setup positions (55°, 35°).



XS-3 SUB and XT-3ND TOP as a drumfill or sidefill monitor system (bridge-mode; 1,000 W).



The basic system
1 XS-3 SUB; 2 XT-3ND TOPs;
1,000 W output.



The extended basic system
2 additional XT-3ND TOPs. Ideal for wide rooms or delay applications.



The power system
2 XS-3 SUBs and 2 XT-3ND TOPs in bridge mode. Simple changeover to 1,000 W per side on the XS-3. Total output: 2,000 W.



The double basic system
2 XS-3 SUBs and 4 XT-3ND TOPs; unbelievably flexible. Extremely powerful. 2,000 W output.



The fullrange system
XT-3ND TOPs on stand with VXT U-bracket and stand adapter. Speakers directed perfectly towards the audience.



TOP XT-3ND as 80° frontfill system; fullrange.



XS-3 SUB as additional subwoofer for existing systems. Tops do not need to be connected.



Sound that will amaze both you and your audience.

Xperience III is equipped with state-of-the-art technology from the newest generation. Digital amplifier and signal processors (DSPs) make sound production more simple and help you achieve your objective more quickly: sound that will amaze both you and your audience.

Light and compact.

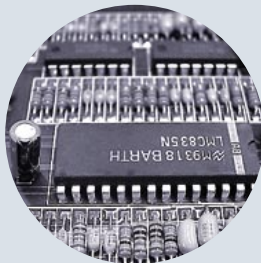
The integral Class D amplifier (1,000 W, 4 ohms) with switch-mode power supply is extremely light (2 kg), compact and powerful. It is very efficient and converts 95% of the energy supplied into sound (with analogue technology, only approx. 50-70%). Smaller PA – bigger sound.

Quick and stress-free.

Digital amplifier and signal processors are tuned perfectly. It is almost impossible to make mistakes when connecting the cables and tuning. Plug & Play. Connect the Sub with the Tops and let the show begin!

Balanced and safe

Top-quality digital signal processors ensure that Xperience III produces balanced, transparent sound at both high and low volume levels. Each individual speaker is processed separately by the integral 3-band processor, thereby providing optimal protection.



Speakon-Outputs :

Connection for multifunctional XT-3ND TOPs. Plug&Play.

Sub-level controller:

For adjusting the bass level to suit the acoustic conditions. Special feature: the entire bass range can be raised or lowered very effectively between 35 Hz -130 Hz by +/-6 dB.



Input jacks:

Connection for the mixer/keyboard. Neutrik multifunctional jacks allow flexible use of XLR and jack connectors.

Link jacks (XLR):

The input signal is available here unchanged and can be transmitted to other devices.

Bridge mode switch:

1,000 W output per side achieved by bridging the amplifier when operating Xperience III with 2 Subs and 2 Tops.

Signal/clip LED:

Green when input signal is available, red when the input signal is too high.

Protect LED:

Lights up when the electronic protective circuits for the amplifier are active. Xperience III is comprehensively protected against short-circuiting, low impedance/overloading and excess temperature.

Back plate:

From brushed alumini. Because of its outstanding efficiency, the digital amplifier only heats up plate by 14°.

Powercon mains jack:

For lockable Powercon mains plugs. Prevents unit from being unplugged unintentionally.

Power on/off switch:

Actuating the Power on/off switch starts up the amplifier, the switch-mode power supply and the DSPs in soft-start mode. The speakers are then activated.

Temperature/speed-controlled fan:

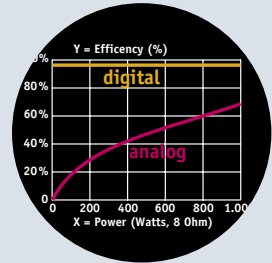
Extra cooling if the ventilation conditions are unfavourable or the ambient temperatures are extreme, e.g. direct sunlight. Very quiet. Switches off during normal operation.

Ground/lift:

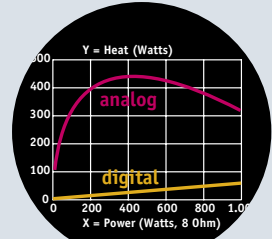
If there is humming in the mains power supply – simply activate the switch and the hum disappears.

Stereo/mono switch:

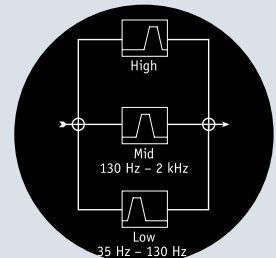
When using 2 Subs and 4 Tops, switch input to mono and use input ch1. The same signal is now available at the two outputs.



Digital: higher output due to greater efficiency (95%).



Digital: Minimum heat generation, maximum operational safety.



3-band processing: Separate signal processing generates optimal sound and maximum operational safety.





Made in Germany. Made by Fohhn®.

Fohhn products are characterised by their excellent processing quality and robustness. All products are manufactured in Germany. During production, we always use high-quality materials and combine the most up-to-date technology with careful handwork.

A complex procedure is used to check each individual speaker system and ensure it functions correctly.

Place your trust in 10 years of experience and reliability in self-powered sound technology.



Specifications

XS-3 SUB

Amplifier output	1,000 W
Components	1x 15" long excursion
Sensitivity	98 dB
Acoustic design	direct sound transmission / back-loaded double-chamber resonator
SPL max.	128 dB
Frequency response	35 Hz – 500 Hz
Dimensions (W x H x D)	43 x 59 x 52 cm
Weight	36 kg
Colour	black, textured paint
Protective grille	metal grille with acoustic foam
Wheels	2 corner wheels
Handles	2 side, 1 top, 1 bottom edge
Thread plate for distance piece	M20

SUB XS-3 equipment features

- Digital class D stereo amplifier (1,000 W) and 2 integral stereo DSPs

SUB XS-3 accessories

- padded transport cover
- Distance piece

TOP XT-3ND

Power Rating	450 W/900 W*
Components	12"/1" CD Neodym
Sensitivity	99 dB
SPL max.	130 dB
Frequency response	65 Hz – 20 kHz
Dispersion H x V (-6 dB)	90° x 40°
Impedance	8 Ohm
Dimensions (W x H x D)	39 x 59 x 39 cm
Weight	22 kg
Colour	black, textured paint
Protective grille	metal grille with acoustic foam
Connectors	2x NL4 Neutrik Speakon
Handles	2 edge handles
Speaker pole	integral, dia. 36 mm

*Peak, 20 ms

TOP XT-3ND equipment features

- Crossover with integral high-frequency protection circuit
- 2 monitor angles (55°, 35°)
- Threaded insert for VXT-3 U-bracket

TOP XT-3ND accessories

- padded transport cover
- VXT-3 U-bracket for flying applications and stands
- Speaker stands
- Carrying bag for speaker stands/distance piece

Systeme

Xperience III Basic System (1x SUB XS-3/2x TOP XT-3ND)

System output	1,000 W
SPL max.	130 dB
Frequency response	35 Hz – 20 kHz
Crossover frequency	130 Hz

Xperience III Power-System (2x SUB XS-3/2x TOP XT-3ND)

System output	2,000 W
SPL max.	133 dB
Frequency response	35 Hz – 20 kHz
Crossover frequency	130 Hz

Controllers

	2 digital stereo-signal-processors
	5 independent limiters per channel
	selective 3-band limiting (bass/mid/high)
	48-bit double precision filter technology
	AD/DA 24 bit/48 kHz
Crossover frequency	130 Hz/1,500 Hz

Digital amplifier (integrated in SUB XS-3)

EIA amplifier power Tops	2x 500 W**
(1 kHz, THD+N < 1%)	
Bridge mode	1,000 W
Amplification	32 dB
Input sensitivity	0 dB V
Input impedance	10 kOhm
Frequency response	20 Hz – 20 kHz
S/N Ratio	>105 dBA
Slew Rate	50 V/ms
Protective circuit	Switch-on delay, soft start impedance- and short-circuit protection, DC-Protect, temperature monitoring
Power supply	195 V – 250 V AC 50/60 Hz
Cooling	Convection cooling Force cooling, if necessary Temperature-controlled fan

**each 4 Ω from 130 Hz via high-pass 6 dB/Okt.

The press gives Xperience III the praise it deserves

„Well-engineered technology and professional processing embody this speaker system. The fully digital setup of the Fohhn® Xperience III is a pioneer in its class. In addition to significantly reduced amplifier weight, users also benefit from stylised digital processors that provide optimised protection for the system.“

... „With a fully digital setup, there are no other known alternatives currently available.“

Tastenwelt, 5/2003

„The basic character of the Xperience is impressive – solid, dynamic bass foundation, clean, powerful mids and crisp, clear highs. The Xperience III earns an additional plus point for its flexible application options.“

Soundcheck, 9/2003

„Vocals sound excellent...“
Soundcheck, 9/2003

This equipment conforms to standards EN 61000-6-1, EN 61000-6-3 and EN 60065. We reserve the right to alter the specifications without notice.

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