

Create your own sound.



You are looking to invest in a high-quality PA system, with optimal sound quality? Then Fohhn simply has to be on your list ...

XPERIENCE II+III

FULLY DIGITAL SOUND SYSTEMS.

Active PA systems of the finest quality. Made in Germany.



Xperience – a unique concept that sets new benchmarks.

We have been successfully developing and manufacturing top-quality active speaker systems in Germany for more than 12 years. Our wealth of experience and the requirements of many different users have culminated to produce the new Xperience II + III active PA systems.

The Xperience II + III systems have been setting the trend since 2002 and continuously set new benchmarks in the active compact class and are now even more dynamic following a comprehensive model upgrade. Legendary sound quality, low weight and unparalleled versatility make the new Xperience systems an exceptional talent capable of meeting the most varied of customer needs.

Whether you want to Plug & Play or create your own individual sound – the options are unlimited.

Fohhn® proudly presents:

XPERIE

The new generation of DSP-
for bands, DJs and rental...



Xperience II Basic



Simple operation



Sets new benchmarks.

NCE II+III

controlled active PA systems

Digital signal processors developed by Fohhn engineers form the basis for this unique concept - FOHNN FUSION DSPs. FUSION DSP technology embodies the Fohhn system concept: perfectly developed speakers combined with finely tuned amplifier technology that is controlled and monitored by state-of-the-art digital signal processors. The result is an active PA system that produces perfect sound and allows you to work quickly, easily and reliably right from the word go so that you can concentrate fully on the most important thing – your audience.



Xperience III Basic



remote controllable
by notebook



**Uncompromisingly compact,
lightweight and powerful.**

The basic concept for the Xperience II was to develop an extra-lightweight, compact and flexible PA system that produces an uncompromisingly good sound for smaller bands, entertainers and mobile DJs.

Many in the industry expressed the need for a small but extremely effective active PA system with excellent sound and sufficient pressure for voice reproduction. We have been able to implement all of these requirements in the Xperience II system using state-of-the-art digital technology and first-class components.

Plug in and get started.

Xperience II Basic System

**1x XS-2 active Sub
2 XT-2 Tops with
optional bracket VXT-2**



Stress-free performance with the Xperience II!

Xperience II is easy to transport, quick to set up, always uses plug & play and excludes many of the cables used in standard systems. Xperience II produces a balanced, powerful and transparent sound at all levels and your audience will hear both speech and singing loud and clear.

The integral digital signal processors – FOHFN FUSION DSPs – continually control the system and offer you unimaginable sound possibilities. Many preprogrammed sound presets for marquee, hall, open-air etc. can be activated at the press of a button and you can even create your own sound using integral audio equipment such as e.g. the equaliser. Your individuality has no limits.





Active Sub XS-20

The active subwoofer XS-20 is manufactured from fine quality multiply birchwood and is the lightest in its class, weighing only 19 kg. It is extremely compact and equipped with the following components:

- **Digital amplifiers (CLASS D, 1,000W):** state-of-the-art technology, extremely efficient, low weight, outstanding impulse characteristics, transparent sound
- **Two digital stereo signal processors (Fohhn FUSION DSPs):** excellent sound at all levels, maximum operating reliability, room presets, integral audio equipment such as EQ, delay, signal processor.
- **12" long excursion speaker:** state-of-the-art neodymium technology, extremely powerful for a full, deep sound.



Frontview XS-20/XSP-2



Rearview XS-20



Rearview XSP-2

Xperience II Power System

Top XT-2

Multifunctional Top,
300 W/600 W*, 10"/1" CD,
Only 15 kg

Active Sub XS-20

Integral digital amplifier,
1,000 W. Long excursion 12" speaker,
Integral FOHNN FUSION DSP with
audio equipment such as equaliser
and fixed/programmable presets.
Only 19 kg



Extremely flexible.



Passive Sub XSP-2
for connecting to active Sub XS-20,
Long excursion 12" speaker.
Only 18 kg

Top XT-2

The XT-2 represents a perfect balance between size and power. The complete system is equipped with extremely powerful 10"/1"CD speakers and is clearly superior to smaller 6" or 8" systems. With the flexible Xperience II system, the XT-2 achieves sufficient pressure and dispersion in the voice range to generate a clear, balanced and powerful sound for audiences of between 30 and 250 people.

You can use the XT-2 in full-range applications with any conventional amplifier/power mixer because it is equipped with an excellent passive crossover with electronic high-frequency protection circuit (Fohhn® IPS technology). We recommend our DSP digital amplifiers (e.g. D-2.750) for maximum operating reliability and a perfect performance. The XT-2 also does an excellent job as a monitor.



XT-2 Front- and Rearview



XT-2 with standbracket VXT-2
or as monitor



Fohhn DSP-amplifier
D-2.750



Everything that a top-quality active PA system needs.

The new Xperience III system has everything that a top-quality PA system in the compact class needs. It is extremely lightweight, compact, flexible and has sufficient power to produce exceptional sound at both smaller events and audiences of several hundred people. Xperience III produces balanced, powerful and transparent sound at all levels. The dispersion range is enormous and speech intelligibility exquisite.

The unique Xperience III concept is more than impressive. You can use this extremely reliable system with plug and play at any time without turning a single controller and produce the perfect sound right from the word go. We have also integrated 2 FOHNN FUSION DSPs (digital signal processors) so you can give your sound presentations free rein, if required. These DSPs have preprogrammed sound presets for marquee, hall, open-air, etc. that can be activated at the press of a button. You can also operate integral audio equipment, such as the equaliser, via the 4-line LCD display or laptop to create your very own personal sound! Your individuality has no limits.



Xperience III Basic System

**1x Active Sub XS-30
2x Top XT-33 with
optional bracket VXT-3**



First class.

The new Xperience III System has been completely reworked and is now equipped with the newest generation of digital processing technology and Neodym drivers. We could therefor make the system more flexibel, lighter and more powerful.





Active subwoofer XS-30

The new XS-30 active subwoofer with 1,500 W is even more powerful than its predecessor. The XS-30 can also power a passive XSP-3 Sub. At 29 kg the XS-30 is the lightest Sub in its class and is equipped with the following components:

- **Digital amplifiers (CLASS D, 1,500W):** latest technology, extremely efficient, low weight, outstanding impulse characteristics, transparent sound.
- **Two digital stereo signal processors (FOHNN FUSION DSPs):** perfect sound at all levels, maximum operating reliability, room presets, integral audio equipment such as EQ, delay, signal processor.
- **15" long excursion speaker:** state-of-the-art neodymium technology, extremely powerful for a full, deep sound.



Frontview XS-30/XSP-3



Rearview XS-3



Rearview XSP-3

Xperience III Power System

Top XT-33

Multifunctional Top,
500 W/1,000 W*, 12"/1" CD.

Only 19 kg



Active Sub XS-30

Integral digital amplifier,
1,500 W, long excursion 15" speaker,
integral FOHNN FUSION DSP with
audio equipment such as equaliser
and fixed / programmable presets.

Only 29 kg



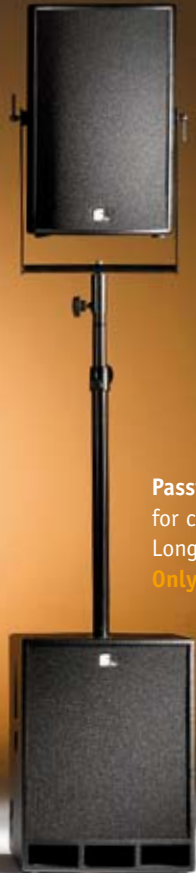
More power.

Top XT-33

The new XT-33 Top is even more powerful and lightweight than the predecessor model. The power rating of 500W/1,000W*, efficiency and range of the compact 12"/1" CD speaker have all increased. The XT-33 defines a new class of speaker.

The XT-33 is fitted with the latest neodymium speakers. Fantastic sound production, fine resolution in the mid and treble range and stunning power in the voice range.

You can use the XT-33 in full-range applications with any conventional amplifier/power mixer because it is fitted with an excellent passive crossover with high-frequency protective circuit (Fohhn® IPS technology). We recommend our DSP digital amplifiers (e.g. D-2.750) for maximum operating reliability and a perfect performance. The XT-33 also does an excellent job as a monitor.



Passive Sub XSP-3
for connecting to active Sub XS-30,
Long excursion 15" speaker.
Only 28 kg



XT-33 Front-
and rearview



XT-33 with standbracket VXT-3
or as monitor



Fohhn DSP-amplifier
D-2.750

*Peak, 20 ms



The press is full of praise !

John Moore, chief editor „Music Mart“, Birmingham, review 11/04 and 7/05

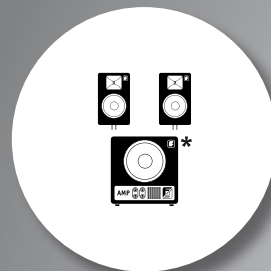
“I hear a lot of PA systems at work, I test a lot of PA systems, but I rarely come across anything as good as this – very rarely.”

“Indeed, the components in this system truly reflect a quality construction as they manage to hit that golden goal of power and clarity – and do it in such a way as to make this system really shine out from the crowd of others that I see ...”

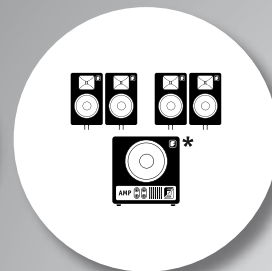
“Xperience II is like a dream of a PA system; simple, smart, lightish and sounds fantastic. What more could you really want?”

“You are looking to invest in a high-quality PA system, with optimal sound quality? Then Fohhn simply has to be on your list ...”

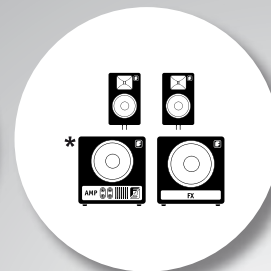
Xperience II system combinations



**Xperience II
Basic System**
2 x XT-2 / 1 x XS-20



**Xperience II
Basic System extended**
4 x XT-2 / 1 x XS-20



**Xperience II
Power System**
2 x XT-2 / 1 x XS-20 / 1 x XSP-2

Xperience III system combinations

All combinations optionally with XT-2 Tops



**Xperience III
Basic System**
2 x XT-33 / 1 x XS-30

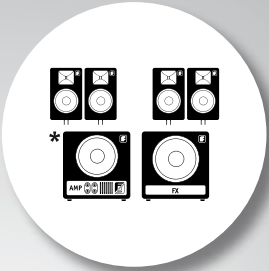


**Xperience III
Basic System extended**
4 x XT-33 / 1 x XS-30

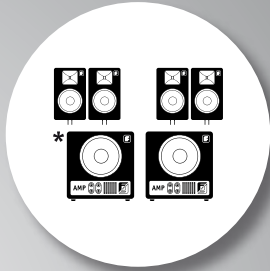


**Xperience III
Power System**
2 x XT-33 / 1 x XS-30 / 1 x XSP-3

Perfect systems.



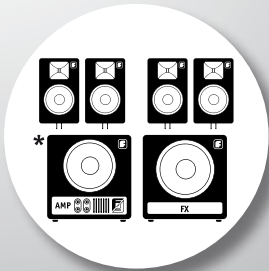
**Xperience II
Power System extended**
4x XT-2 / 1x XS-20 / 1x XSP-2



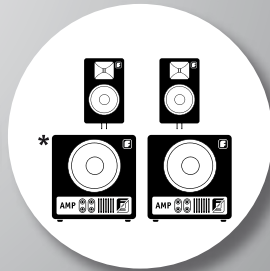
**Xperience II
Double Basic System**
4x XT-2 / 2x XS-20



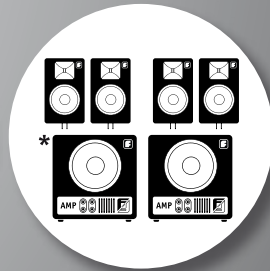
**Xperience II + III
are remote controllable
by notebook**



**Xperience III
Power System extended**
4x XT-33 / 1x XS-30 / 1x XSP-3



**Xperience III
High Power System (bridge mode)**
2x XT-33 / 2x XS-30



**Xperience III
Double Basic System**
4x XT-33 / 2x XS-30

Paul White, „Sound on Sound“, England, 9/2004

“The Fohhn Xperience III costs rather more than a typical budget PA system but it is still very reasonably priced when you consider the quality of sound on offer and it doesn’t cost much more than some of the better ‚plastic‘ systems. The beautifully built marine ply cabinets are mercifully free of any rogue resonances and I was particularly impressed by the natural sound quality of the high end as so many systems that use compression loaded horns conspire to sound harsh or honky...During the test, we had numerous compliments on the sound quality from musicians attending the event, and because the system was tested outdoors, we were able to separate system artifacts from room artifacts.”

Central remote control via notebook.
Special operating software FOHNN
FUSION SOFT is downloadable for free
at www.fohnn.com.





Excellent operating concept

The operating concept of the Xperience II + III systems is simple but effective. You can start the system without turning a single controller and the systems are perfectly configured ex works as well as being extremely reliable. However, users can adapt the systems to suit their own sound requirements or the local conditions. Xperience II + III are more simple and flexible than any other system.



Clearly laid out controls with 4-line LCD display for rapid, intuitive input of the following parameters:

- > Stereo/Mono
- > Bass level
- > Input sensitivity (gain) for adapting to mixer desks
- > Speaker preset selection
- > Preconfigured room preset selection
- > Selection of presets configured by the user
- > Audio tool selection and processing: EQ, delay, limiter, compressor, noise gate
- > Keylock function (locks the display)
- > Temperature and operating time monitor

Signal/Clip LED
Lights up green when the input signal is present and red when the signal is too high.

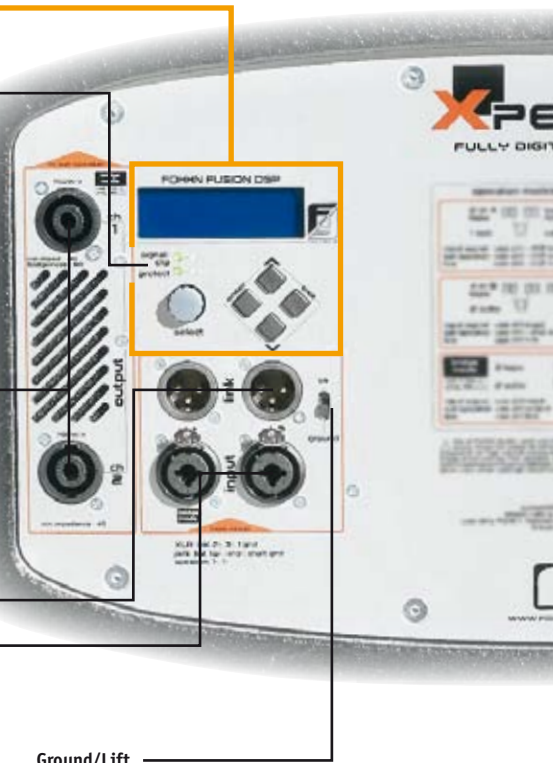
Protect LED
Lights up red when the protective circuits are activated after a short circuit, low impedance, excess current or amplifier temperature.

Output sockets
For connecting all Fohhn Tops

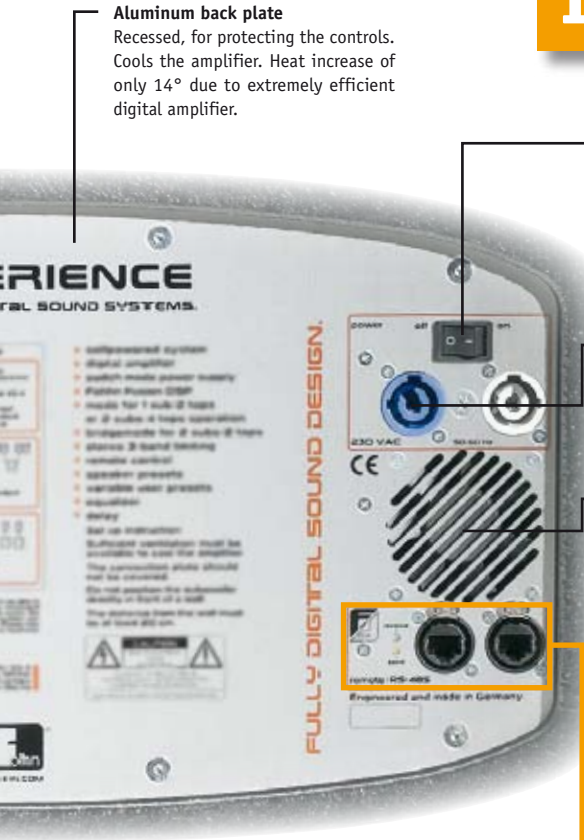
Link socket (XLR)
A constant input signal is available here and can be routed to other equipment

Input sockets
Sockets for mixers. Neutrik combi sockets for XLR connectors and jacks.

Ground/Lift
Provides suitable electrical isolation from other equipment.



Intelligent operation.



Aluminum back plate
Recessed, for protecting the controls. Cools the amplifier. Heat increase of only 14° due to extremely efficient digital amplifier.

Power on/off switch
Pressing the on/off switch starts the amplifier, the switched-mode power supply and the FOHNN FUSION DSPs in soft start mode. The speakers are activated after a delay.

Powercon sockets
For lockable Powercon connectors, protects the system against accidental unplugging.

Temperature and speed-controlled fan
Additional cooling only necessary when conditions for ventilation are unfavourable or ambient temperatures are extreme (e.g. direct sunshine). Eerily quiet. Switched off during normal operation.



RS-485 Interface (isolated)

Central remote control from the mixer desk via notebook. Can be controlled via multicore or microphone cable (max. 1,800m). Supports up to 255 systems in a network. Optional Fohhn FUSION.NET-USB cable set required. Operating software and updates downloaded for free at www.fohnn.com.



3 ways of operating Xperience:

- ① **Plug & Play:** Plug in and get started – the Xperience system is ready to use in just a few minutes without having to turn a single control knob. The system leaves the factory perfectly configured and produces a balanced, powerful sound right from the word go.
- ② **Individual sound at the press of a button:** experienced sound engineers have already programmed the most important sound and room presets for you. All you have to do is select the right preset for your venue (marquee, hall, open air) and start with sound production.
- ③ **Create your own sound:** the Xperience system has a host of set-up options for you to produce your own unique sound. 5 top-quality audio devices enable you to configure your system and adapt it perfectly to the acoustics at the venue. You can save your settings as presets and load them again at any time.



FOHNN FUSION DSP – The intelligence control centre.

FUSION DSP technology was designed in line with the Fohhn system concept – perfectly developed speakers combined with specially adapted amplifier and control technology. A PA system that enables you to work quickly, easily and reliably, produces exceptional sound results and gives you the opportunity to create your own individual sound concepts. 12 years of practical experience and adapting to special customer requirements have culminated into this future-oriented sound concept.

The Fohhn FUSION DSPs consist of 2 signal processors that operate independently of one another.

DSP 1 has a library of speaker data containing speaker protection data to ensure maximum operational reliability for virtually all Fohhn Tops. As a result, the entire frequency range is permanently monitored and processed separately by a sophisticated multiband limiter, guaranteeing a clear, balanced sound and excellent speech intelligibility at all levels. The preset can be changed quickly and easily at the press of a button.



Remote control via notebook

Controls as they appear on the screen.
Signal processing in real time.

Preset module
Select sound presets and speaker presets.



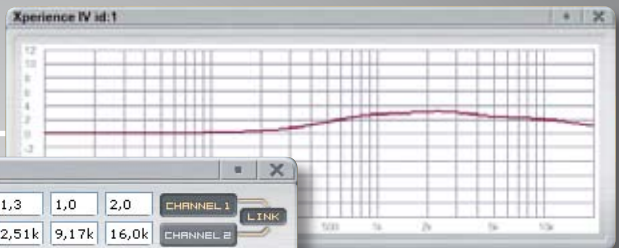
Main module
Individual audio devices or presets are selected at the click of a mouse. Adjustment of volume level, channel on/off and stereo/mono mode.



Status module
Displays the temperature and the operating time. With lock function. Signal function = display flashes indicating that the device is detected.



Innovative technology.



Equaliser module with graph
 10 bands per channel, frequency and Q factor selected as required.
 Excellent graphic view of your work on the EQ.



Dynamic module
 System compressor, limiter and noise gate
 with all necessary setting options.

**View of module on 4-line display
 of XS-20/XS-30 subwoofer**

```

  ▶ Filter Number 1 ◀
  Gain 2.8 dB
  Frequency 861 Hz
  Q 1.1
  
```

Equalizer module

```

  ▶ Limit -9.9 ◀
  Compress -10.2 dB
  Ratio 2.8
  Attack 28 ms
  
```

Dynamic module

```

  ▶ Time 116.58 ms ◀
  Distance 18.88 m
  
```

Delay module



Delay module
 For delaying the speaker system
 (DelayLine applications).
 Settings in milliseconds or metres.

DSP 2 has a programmable 10-band parametric EQ, delay, compressor, limiter and noise gate. These first-class audio devices will help you fulfill all your sound requirements. 10 preconfigured default presets such as hall, marquee, open air, DJ, etc. are also available for all typical applications. You can store your own sound concepts or settings adapted to the room acoustics in 90 programmable presets. The DSPs operate with precision and sound quality (56 bit filter depth) that is only usually expected from exclusive studio and concert sound systems.

The FOHNN FUSION DSPs allow you to remotely operate the Xperience system via a notebook, connect up several systems to a network and centrally control them as well as monitor the operating temperature.



Designed and build to last

Uncompromising quality. Made by Fohhn.

We have been successfully manufacturing extremely high-quality speaker systems for more than 12 years – Made in Germany. There is only one thing we demand of our workmanship: Perfection. We are only satisfied when all components are correctly in place and each individual screw is sitting snugly.

A combination of state-of-the-art CNC production, perfect handwork and our passionate affiliation to the product are simply irreplaceable. We do not manufacture low-cost or mass-produced goods, but exclusive, extremely durable products that are designed and built to last. Extensive measuring and assurance procedures guarantee the consistent high quality standard of our products. Our highly motivated and trained staff carry out strict electronic, acoustic and visual quality checks on each individual speaker.

Xperience SUBs	XS-20 (active)	XS-30 (active)	XSP-2 (passive)	XSP-3 (passive)
Amplifier output	1,000 W	1,500 W	Power rating 400W	Power rating 700W
Components	1 x 12" long excursion, neodym	1 x 15" long excursion, neodym	1 x 12" long excursion, neodym	1 x 15" long excursion, neodym
SPL max.	125 dB	128 dB	125 dB	128 dB
Frequency response	35 Hz – 130 Hz	35 Hz – 130 Hz	35 Hz – 130 Hz	35 Hz – 130 Hz
Acoustic design	Vented design	Vented design	Vented design	Vented design
Dimensions (WxHxD)	43 x 39 x 44 cm	43 x 59 x 52 cm	43 x 39 x 44 cm	43 x 59 x 52 cm
Weight	19 kg	29 kg	18 kg	28 kg
Housing	Multiply birchwood			
Colour	Black			
Special colours	all RAL colours, optional			
Weatherproof plastic coating	Black, optional			
Protective grille	Metal with acoustic foam			
Wheels	–	2 corner wheels	–	2 corner wheels
Handles (recessed)	2 side handles	2 side handles, 2 handles on Top/Bottom	2 side handles	2 side handles, 2 handles on Top/Bottom
Threaded base plate	M20, for distance piece			

Digital amplifier (integrated)	in Active-SUB XS-20	in Active-SUB XS-30
EIA output power Tops	2 x 500 W* (1 kHz, THD+N < 1%)	2 x 750 W* (1 kHz, THD+N < 1%)
Bridge mode	1,000 W	1,500 W
Amplification	32 dB	32 dB
Input sensitivity	0 dB V	0 dB V
Input impedance	10 kOhm	10 kOhm
Frequency response	20 Hz – 20 kHz	20 Hz – 20 kHz
S/N ratio	>105 dBA	>105 dBA
Slew rate	40 V/ms	40 V/ms
Protective circuit	Soft start, impedance and short-circuit protection, DC protect, temperature monitoring	
Power supply	195 V – 250 V AC 50/60 Hz	
Cooling	Convection cooling, forced cooling by temperature-controlled fan, if required	
Weight	approx. 1.8 kg power supply and amplifier	

*4 Ω / 130 Hz / high pass filter 6 dB/Oct.

Sockets	
Input/Output signal connectors	2x XLR/jack combi input socket 2x XLR link sockets
Speaker output connectors	2x NL4 Neutrik Speakon f. Top Speaker from 130 Hz 2x4 Ω (stereo) or 1x8 Ω (bridge mode)
Mains power	2x Powercon network socket in and thru

These devices correspond to standards EN 61000-6-1 and EN 60065
Subject to technical modifications!

Fohhn Tops	XT-2	XT-33
Power rating	300 W/600 W**	500 W/1,000 W**
Components	10"/1" CD fully neodym/timealigned	12"/1" CD fully neodym/timealigned
Sensitivity	99 dB	99 dB
SPL max.	127 dB	130 dB
Frequency response	65 Hz – 20 kHz	55 Hz – 20 kHz
Dispersion H x V (-6 dB)	90° x 40°	90° x 60°
Impedance	8 ohms	8 ohms
Dimensions (WxHxD)	32 x 51 x 29 cm	38 x 59 x 39 cm
Weight	15 kg	19 kg
Housing	Multiply birchwood	Multiply birchwood
Colour	Black	Black
Special colours	all RAL colours, optional	all RAL colours, optional
Weatherproof plastic coating	Black, optional	Black, optional
Protective grille	Metal with acoustic foam	Metal with acoustic foam
Connectors	2 x NL4 Neutrik Speakon	4 x NL4 Neutrik Speakon
Handles (recessed)	2 side handles	2 side handles
Monitor angle	55°	55°
Speakerpole	integrated, dia. 36 mm	integrated, dia. 36 mm
Flying safety lugs	–	integrated
2x side M8 threaded inserts	for bracket VXT-2	for bracket VXT-3

**peak, 20ms

FOHNN FUSIONDSP (integrated in Active-SUB XS-20 / Active-SUB XS-30)

Controller	<ul style="list-style-type: none"> • 2 digital stereo signal processors • 8 independent limiters • Selective 3-band limiting (bass/mid/high) • Band-specific time constants • 56-bit double precision filtering technology • AD/DA 24 bit/48 kHz
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Presets	<ul style="list-style-type: none"> • 10 fixed preconfigured presets • 90 programmable presets • Speaker presets for all Fohhn Tops
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Digital audio devices	<ul style="list-style-type: none"> • Fully parametric 2x10-band-EQ • Compressor / Limiter • Noise gate • Delay
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Operation

Controls	<ul style="list-style-type: none"> • Select Control • 4-button input field • Ground/Lift switch • Power on/off switch
Displays	<ul style="list-style-type: none"> • 4-line LCD display • 2x signal/clip LED • 2x run/protect LED • Receive/Send remote control LED

German Quality.

As our valuable customer, you are just as important to us after purchasing a Fohhn product as before.

Our products are extremely reliable and rarely require servicing. However, should your product develop a fault, we will do our very best to deliver replacement parts as quickly and reliably as possible anywhere in Europe.

Our friendly, competent team will be glad to advise you on any of the Fohhn systems via telephone or e-mail.

Tel.: +49 7022 93323-0
E-mail: info@fohhn.com

Feel free to contact us.



■ German quality
■ engineered and made
■ by Fohhn®



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