

25
years



NEW PRODUCTS 2018

Preface

Dear Reader,

As 2018 marks the 25th anniversary of our company, we look back on 25 years of development experience that includes over 15 years of know-how in digital technology. This has led to exciting innovations and a comprehensive, powerful product portfolio for both fixed installation and mobile sound reinforcement.

Recent additions to our portfolio include a one-of-a-kind concert sound system with beam steering, a brand-new series of intelligent DSP-controlled digital amplifiers, new high-performance subwoofers and sophisticated digital audio networking technology. New line source speakers and a high-class pro audio ceiling speaker complete the product range. As always, development and production of all new Fohhn systems takes place in house in Nürtingen, Germany.

By offering excellent products combined with expertise from our dedicated engineers, we hope to continue supporting your projects and providing you with perfect sound for the next 25 years.

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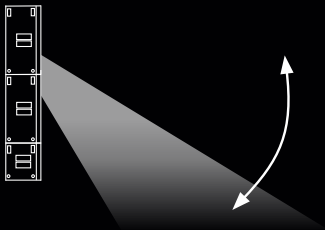
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Focus Venue

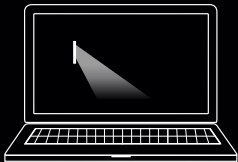
Beam Steering for Concert Sound

A straight line array without mechanical curving.

- Extremely even & balanced sound coverage
- Excellent sound quality & clarity
- Enormous SPL & great dynamics
- Unparalleled flexibility & scalability
- Perfect visual integration



The system is always flown or stacked straight.



Sound beams are controlled in real time via software.

Analog AES/EBU AIREA® Dante™ OPTOCORE



FV-100

High-frequency module

8 × 1" (1.75" diaphr.) compression driver
8 × 1.5" (4" diaphr.) compression driver
Manifold horn-loaded waveguide design
16 × 250 W CLASS D DSP amplifier
16 × DSP
Max. SPL: 150 dB

FV-200

Low-mid module

8 × 10" long excursion woofer
Horn-loaded waveguide design
4 × 1000 W CLASS D DSP amplifier
4 × DSP
Cardioid Technology (CDT)
Max. SPL: 145 dB



" Focus Venue combines the sound and performance of a traditional line array with the flexibility and precision of a vertical beam steering system. The side-lobe-free mode and the cardioid technology allow previously unavailable control of your sound and thanks to the scalability of Focus Venue, it's always the perfect system whether you're playing in a club or an arena. "

Chris Madden
(FOH sound engineer, Pink, Anastacia, Sade)

THE FUTURE OF THE LINE ARRAY IS STRAIGHT



Reinforcements for the low end: our new concert sound subwoofers.

With the launch of our new PS-800 and PS-850 subwoofers, both of our latest concert sound systems (Focus Venue and PT-70) are powerfully complemented in the low-frequency range. By combining all of these systems with our new DI-Series amplifiers and sophisticated accessories, a perfect integral system is formed.



PS-800

1 × 18" woofer, 1000 W
Non-turbulent port design, vented system
Multiplex birch plywood enclosure, PU-coated
Optional flying equipment
coming soon!



PS-850

2 × 18" woofer, 2000 W
Non-turbulent port design, vented system
Cut-off frequency 27 Hz
Multiplex birch plywood enclosure, PU-coated
Optional flying equipment
Weight: 105 kg



Flying Frame

Complies with the directives and provisions of DGUV Regulation 17.



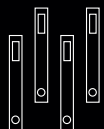
Wheel Board

Safe transport of one unit, SmartLock mounting. Transport cover available.



Dolly Board

Safe transport for up to 4 units, optional direct connection via built-in Fohhn Interlock System. Transport covers available.

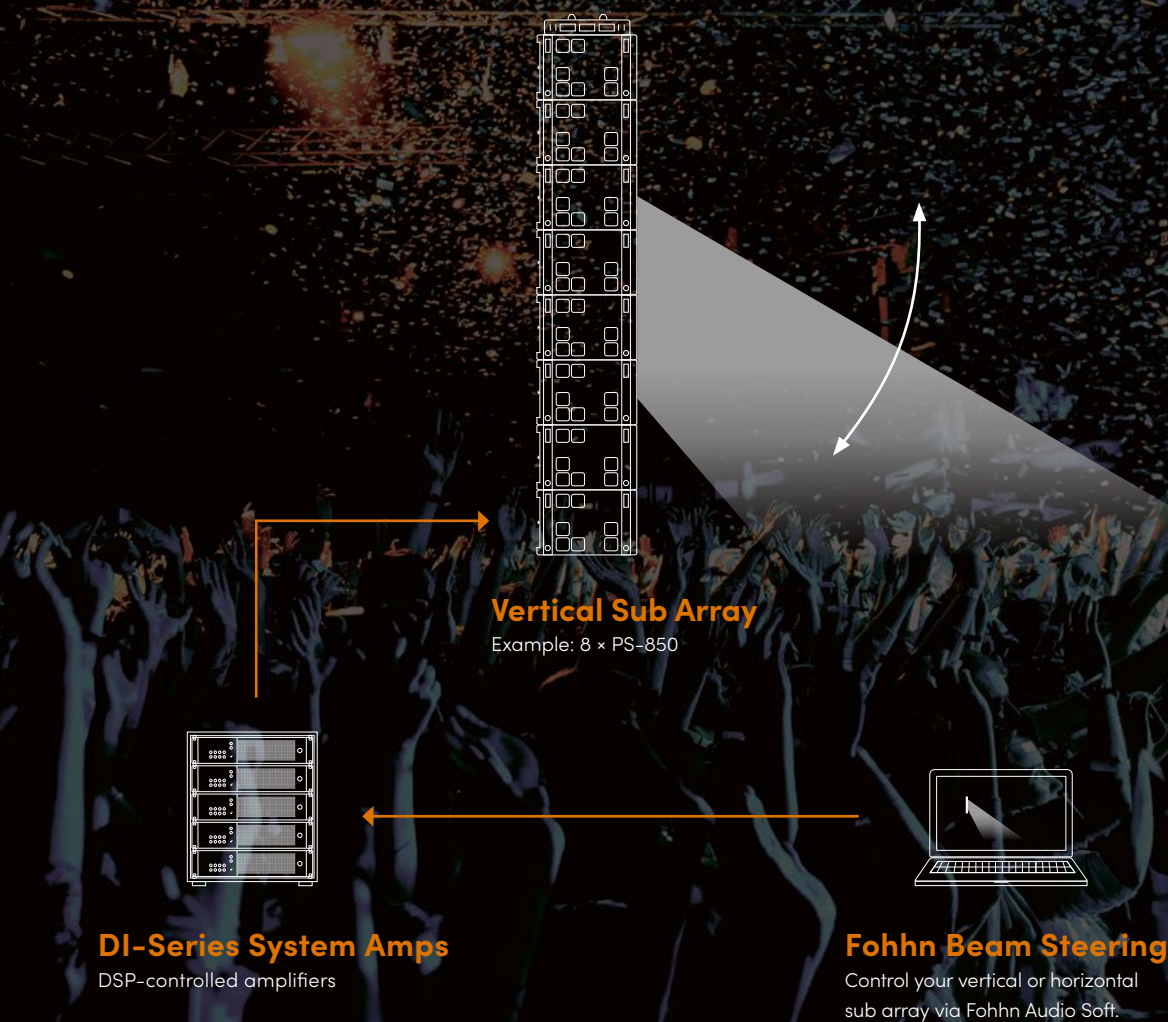


Retrofit Fohhn Interlock System

Our simple and tool-free rigging system can be retrofitted to any non-flown PS-800 or PS-850 subwoofer.

Focus Sub Array: It's in the system.

Using Fohhn subwoofers powered by DI-Series system amplifiers allows for real-time control of a sub array's dispersion characteristics via Fohhn Audio Soft.



25 years of experience in professional audio technology.
15 of those in digital technology.

DI-Series amplifiers

Since Fohhn was founded, we have always had one goal in mind: Make the world sound better! It was the same back in 2002, when, as one of a handful of digital audio technology pioneers, we were exploring new avenues.

2 x 2000 W 4 x 1000 W up to 10 seconds peak power



Throughout the years, we have gathered experience and gained a deeper understanding of our customers' needs. This is reflected in our reliability and our unique flexibility in both fixed installations and mobile applications.

As Fohhn focuses on innovation, in-house expertise continues to evolve: All R & D departments work hand in hand building the future. Our new DI-Series offers a glimpse into that future, presenting state-of-the-art technology paired with almost infinite connectivity.

Over the years, our amplifier technology has stood the test of time, employed within our active speaker

systems in the form of 8-, 16- or 32-channel DSP-controlled amplifier modules.

Now, equipped with in-house developed, microprocessor-controlled power supplies and the latest generation of DSPs and CLASS D amplifiers, DI-Series systems are emerging as true "Fohhn-only" products.

Of particular note are the amplifiers' innovative Fohhn power electronics. Within each power supply, a microprocessor facilitates the monitoring of current, temperature, humidity etc., ensuring an optimum operation in any situation and environment.

The power supply is built to provide outstanding power density, reliability and the maintenance of long-lasting peak power.

DI-Series amplifiers come with a variety of digital signal inputs, including AES/EBU, Dante™ or Optocore (both optional), or analogue inputs. Their new powerful DSP structure allows for extensive input- and output processing. The amplifiers are network-compatible and can be remotely controlled and monitored.



High-performance amplification built to order: Get the amp that meets your requirements.

Whenever you order a Fohhn DI-Series amplifier, you can always preconfigure its input- and output connections: Input options include AES/EBU (terminal block or XLR), Dante™, Optocore, Fohhn AIREA and Analog (XLR). For signal outputs, you can choose between terminal blocks or Speakon connectors.

Available Input Interfaces



Phoenix 3-pin



Analog



AES/EBU + Fohhn-Net



Optocore



Dante™

Available Output Interfaces



Speakon connectors



Phoenix 2-pin

More power classes to come!

In addition to the DI-2.2000 (2 × 2000 W / 4 Ohm) and DI-4.1000 (4 × 1000 W / 4 Ohm) which will be launched this spring, further product versions will become available.

DI-2.500	DI-4.500	DI-2.1000	DI-4.2000	DI-2.4000
2 × 500 W / 4 Ohm	4 × 500 W / 4 Ohm	2 × 1000 W / 4 Ohm	4 × 2000 W / 4 Ohm	2 × 4000 W / 4 Ohm

Cutting-edge DSP-controlled CLASS D amplifiers.

- Designed for both mobile applications and fixed installations
- Networking, remote control and monitoring via Fohhn Audio Soft
- Extensive DSP input- and output processing
- Input options: AES/EBU (terminal block or XLR), Dante™, Optocore, Fohhn AIREA and Analog (XLR)
- Output options: terminal blocks or Speakon connectors
- Universal 100-240 V AC power supply with Power Factor Correction (PFC)
- Power supply that includes a micro-processor with various sensory functions – voltage current, temperature, humidity and power demand – to ensure optimal operation and device protection
- Auto power save function enabling fanless idle operation, temperature-controlled fans
- Two configurable switching contacts and a fault contact



Reliable. Compact. Smart.
Focus Venue's interface for Dante™ Audio Networking.

ABX-5

In accordance with our aim to achieve compatibility with all digital audio networks, we have developed an intelligent interface which allows for the integration of our Focus Venue concert sound system into a Dante™ network: the **ABX-5**.



All features at a glance:

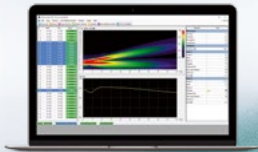
- Integrated Dante™ Brooklyn II module
- Primary and Secondary Dante™ port for redundant applications
- 1000Base-T Ethernet connection
- No external power supply required when connected to Focus Venue
- Fohhn-Net tunneled over Ethernet
- Low latency implementation

Linea Focus goes digital:
Welcome the new DLI systems.

The Linea Focus success story continues.

In the course of digitalization, we are ensuring that our systems are compatible with all digital audio networks. Our award-winning Linea Focus beam steering systems have therefore been equipped as standard with input interfaces for AES/EBU and AIREA, the Fohhn audio network system. The systems are also optionally available with interfaces for DANTE™ or Optocore – or, as before – with analog signal inputs.

First available models include
the new DLI-130 and DLI-230.



Control up to two beams in real time using
our Fohhn Audio Soft.



Analog

AES/EBU
AIREA®

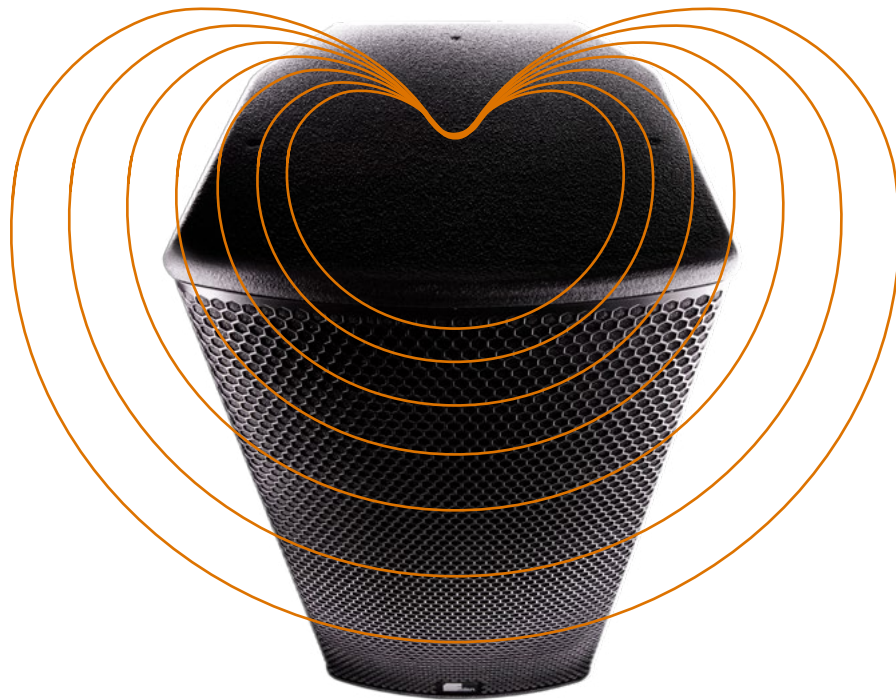
Dante™

OPTOCORE

NEXT
GENERATION
Fohhn
Beam Steering
TECHNOLOGY

High Power. Cardioid. Weatherproof.

The new AT-650



Our new Arc-Series speaker for halls, stadia, clubs or outdoor applications.

- Fully horn-loaded, 2-way, cardioid, 900 W
- 2 x 12" with horn and compression chamber / 1 x 1.4" on CD-horn
- Integrated x-over with electronic HF-driver protection (IPC)
- Two variants: dispersion of 90° x 50° or 60° x 50° (h x v)
- Weatherproof VSM/aluminum enclosure
- Optional 100 V version
- Max. SPL: 140 dB

Pole Position: PT-70.

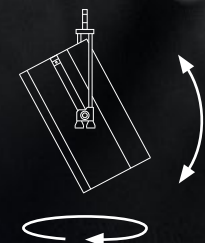
The new VPT-70 PO.

From the very beginning, Fohhn has always aspired to achieve optimum sound dispersion control. This also applies to the actual mounting of speakers. With the new pole-operated VPT-70 PO universal bracket, adjusting your PT-70 system can be done without any trade-off.

This nifty version of the regular VPT-70 bracket was inspired by a method used in the lighting industry. Using the new bracket and an adequate operating pole, you can easily adjust a PT-70 speaker that is mounted, for example, to a truss.

The VPT-70 PO is a real timesaver for mobile installations on trade show stands, or on tour.

 **YouTube** Watch "Introducing the VPT-70 PO" on our channel!



For standard
POLES
up to
9 m

Perfect sound does not have to be seen.

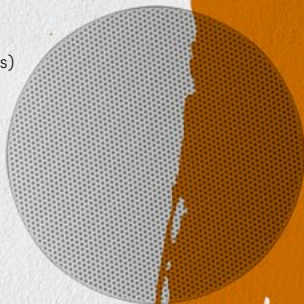
INTEGRATO-SERIES

From the very beginning, our ultra-compact Linea LX-10/11 speaker system had met with a positive response from customers. So it came as no surprise when audio planners expressed their wish for a system that could offer the same level of sound quality, yet be fully integrated – almost invisibly.

An in-wall speaker system, so to say. That's when we decided to develop a new pro audio ceiling speaker based on the popular LX-10/11 system. The result: the **IG-100** and the **IG-120** – the first two models of the Fohhn **Integrato-Series**.



IG-100
(framed)



IG-120
(frameless)

Excellent
Manufacturing Quality
MADE IN GERMANY

RAL
Classic
Colours

Features:

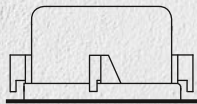
- 2-way coaxial design, 4"/0.75", x-over with HF-driver protection
- Mounting depth of only 100 mm, metal enclosure
- Outstanding sound quality for speech and music
- Exceptionally even sound dispersion, 140° conical
- Flat metal front grille, detachable, powder-coated

2-way system, coaxial design
based on the Linea LX-10/11



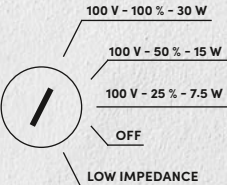
Attention to details for perfect
integration

only
100 mm
mounting
depth



flat metal enclosure, magnetically
mounted front grille

Selector switch & integrated
transformer



Linea LC

Make yourself heard

CLARITY



BETTER
STI values
for everyone

By introducing Linea LC, we now present speaker systems – with low impedance technology – that offer the same levels of clarity as our EN 54-24 certified Linea LEN products. When it comes to perfect speech intelligibility as well as acoustical and optical

integration, these new line source speakers are an ideal choice. The new product line comprises five different speakers, thus providing the right solution for any demand.

RAL
Classic
Colours

Fohhn
TEXTURE
DESIGN

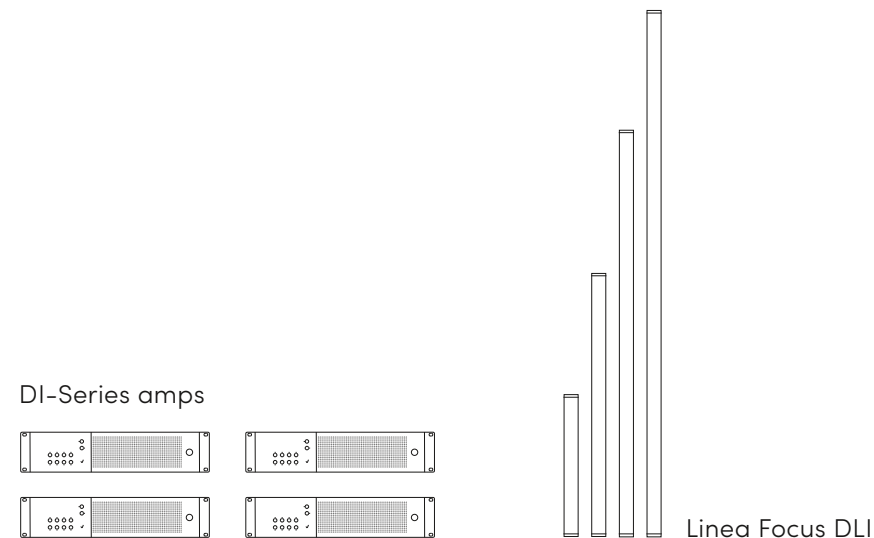
Weather
Resistant
Enclosure

- Excellent speech intelligibility
- Even dispersion
- Side-lobe-free (passive realization)
- High-performance 4"-drivers with Source Division Waveguide
- Powder-coated aluminum designer enclosure
- Front grille in enclosure colour

Optocore Input Interfaces:

With the speed of light.

Our latest DI-Series and Linea Focus products can be operated within an Optocore fibre network. Due to a purpose-built Optocore input interface, operation does not require any additional external device. The fibre optic cable can be connected directly to the respective Fohhn system.



- Full control of Fohhn devices throughout the Optocore network.
- Very long distances (up to 120 km)
- Up to 1024 input- and unlimited output channels
- Point-to-point connection with a star or ring topology
- Light weight
- Low cabling costs
- Very low latency (fixed latency of 0.4 μ s)

Optocore is a network that enables routing of control signals via fibre optic cables. This permits long cable runs (e.g. in airport installations) and a signal transmission with an extremely low latency. The Optocore network also offers complex audio routing possibilities as well as redundant (ring-shaped) cabling. For more information visit www.optocore.com.

Matter. Spirit. Heart.

The Fohhn Quality Pledge.

When it comes to development and manufacturing, we translate our visions into new products and aim to combine what's desirable with what's possible.

As a result, we are highly aware of the quality of materials. That's why we always select the highest quality components from our specialist suppliers.

As far as workmanship is concerned, we have one single aspiration: Perfection. Our products are therefore manufactured with the utmost care and attention to detail. To ensure quality throughout the entire manufacturing process and – on site – within our projects, we use our own Fohhn measuring systems.

There's no substitute for our combination of manufacturing technology and handwork – together with our passion for music, technology and perfect sound. Our highly motivated team of more than seventy specialized and dedicated employees consistently focuses on our customers' wishes.

For us, cheap mass production is out of the question. Instead, we make exclusive, highly durable products that are built to last.

- GERMAN QUALITY
- ENGINEERED AND MADE
- BY FOHNN®

FOHNN.
SOUNDS PERFECT.
IS PERFECT.

Thank you for being
with us for the last

25
years

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