

FOHHN.
SOUNDS PERFECT.
IS PERFECT.



FOHHN PRODUCT PORTFOLIO
2015/2016

INNO
VATION
DRIVEN
BY
PASSION

FOHHN. SOUNDS PERFECT. IS PERFECT.

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FOHNN® FOCUS VENUE.

BEAM STEERING
IN A NEW DIMENSION.

FOHNN®'S NEW FOCUS VENUE BEAM STEERING SYSTEM SETS THE STANDARD FOR EFFICIENCY IN SOUND CONTROL AND SOUND QUALITY.

FOCUS VENUE is equipped with a wide variety of new technological developments. It complements the successful **LINEA FOCUS** and **FOCUS MODULAR** product family with an even larger, more powerful system with three high-mid, low-mid and low frequency models. Fitted with high-performance 1" and 1.4" compression drivers, 10" and 15" cone drivers and a unique waveshaping horn system **FOCUS VENUE** will open the door to Pro Audio Beam Steering for concert sound in large venues or at open air festivals. The individual models can be scaled and combined freely as needed.

The system is fully active. Every individual chassis (or pair of chassis) is controlled separately by its own amplifier and DSP. Based on complex algorithms the vertical dispersion and inclination angle can be controlled perfectly by software. The sound is controlled using only one software program (as is customary with **FOHNN®**), the **FOHNN® AUDIO SOFT**: intuitive and in real time. All signal I/Os are fully digital.

FOCUS VENUE was developed with large spaces and demanding acoustics in mind.

It enables optimum sound quality for speech and music in venues such as concert halls, exhibition halls, stadiums and cathedrals as well as in open-air shows, festivals and concerts.

Consistently developing Beam Steering Technology since 2008, **FOHNN®** is the leading manufacturer of Beam Steering systems and is now lifting it to a unique level of performance. The entire development process takes place in-house at **FOHNN®** in Nürtingen, Southern Germany.

FOHNN® AIREA® IS GROWING.

NEW COMPONENTS -
MORE POSSIBILITIES

WITH THE ACTIVE DIGITAL AUDIO NETWORK-SYSTEM AIREA® WE HAVE EMBARKED ON A PIONEERING JOURNEY IN SOUND REPRODUCTION.

AIREA® is fully digital and, in the basic version, consists of active DSP controlled loudspeakers and a master module that provides digital I/O (AES/EBU) as well as the power supply for the loudspeakers. The extraordinary and unique feature is that all the cabling of the system is taken care of by a simple network cable (e.g. CAT-5 or CAT-7). Thus, a very powerful and intelligent audio network can be built up easily and quickly. Every single component can be controlled and monitored individually and centrally by **FOHNN®** Audio Soft software. Each loudspeaker module has an integrated 10 band parametric EQ, delay, compressor / limiter, X-over, volume control as well as status and temperature indicators and can be controlled by an individually assigned ID. Projects as the Stanislavski and Nemirovich - Danchenko Academic Music Theatre in Moscow, the Energy Experience Center Aurich, a broadcasting studio of Radio France or an innovative 3D sound system in the Shanghai Tower in China impressively show the diverse fields of application and excellent sound quality of the system.

This year we have expanded **AIREA®** with new components:

- **THE MASTER MODULE AM-50:** The new 2U module provides 1600 W, eight AES / EBU interfaces and Fohhn®-Net inputs, eight digital signal outputs and power supply for up to 32 active Airea® speakers.
- **THE ACTIVE 2-WAY SPEAKER LX-60 ASX:** As a compact mini line array system, the **LX-60 ASX** is perfectly suited for small conference rooms, churches and auditoriums or as a delay line system. Active (bi-amping), DSP-controlled, 200 W, 4 x 4 " / 1" compression drivers with a wave former.
- **THE AIREA® BREAK-IN EXTENSION ABX-2:** With two channels of analogue IN + 1 Fohhn®-Net IN and 1 Airea® OUT + 1 AES / EBU OUT, the break-in extension converts, converts analogue input to digital output signals. The Airea® jack output socket provides both the AES / EBU and the Fohhn®-Net signals.

THE WELL-ESTABLISHED **X-SERIES** ALSO GROWS IN 2015.

LONG-AWAITED BUT FINALLY HERE: THE NEW XT-6 HIGH-PERFORMANCE HORN-LOADED SPEAKER.

The new **XT-6** joins the passive tops of the **X-SERIES**. It is fully horn loaded and equipped with two 10" high-performance chassis and a 1.4" compression driver with CD horn. Load capacity: 600W. Sound pressure: 105dB (SPL 1W / 1m). Beam angle: 90 ° x 60 °. Polyurethane coated cabinet (multiplex birch). Milled handles. Built-in tripod base. Mountable on a loudspeaker stand by means of **VXT-6** vertical brackets. Aeroquip system for flying truss, integrated safety eyelets. Optional: dolly (transport protection cover / trolley) with 80 mm wheels and butterfly locks. A plug & play system for city festivals, tent events, live bands, halls etc.

VOICE ALARM SERIES.
LEN SPEAKERS: CERTIFIED ACCORDING TO EN 54-24

FOHNN® RELEASE A WELL-DESIGNED AND SOPHISTICATED SERIES OF EN 54-24 CERTIFIED LINE SOURCE SPEAKERS.

Designed for use in voice alarm systems (VAS) they impress with excellent speech intelligibility, high SPL and very even dispersion. Compared with other commercially available line source speakers, LEN speakers are equipped (from model **LEN-60** onwards) with a whole range of technologies developed by **FOHNN®**. An innovative wave former system (**FOHNN®** Source Division Waveguide), a multi-zone crossover and a special arrangement of the individual chassis allow for a very coherent vertical dispersion and increased sound pressure levels, while minimizing side lobes (unwanted sideways dispersion). This results in a significant improvement in speech intelligibility (STI) and greater coverage. Weatherproof without any additional protection (Protection Degree IEC529/EN60529: IP54), these speakers are suitable for indoor and outdoor applications. Additional features include: 100V transformer integrated as standard, 60W to 240W depending on model; terminal connection box, 2 x 4 pin, up to 4mm², with loop-through (daisy chaining); extruded aluminum housing with steel reinforcements; front grille made of galvanized sheet steel, powder coated; optional availability in all RAL colours. The systems are ideally suited for sound reinforcement applications in acoustically challenging spaces with long reverberation times such as railway stations, airports, auditoriums, conference rooms etc. This system is available in five different models with lengths ranging from 20cm to 220cm: **LEN-20, LEN-60, LEN-100, LEN-150** and **LEN-220**.

FOHNN® GOES 3D.
CREATING FASCINATING 3D WORLDS.

AFTER THE SUCCESSFUL COMPLETION OF FOUR DOLBY ATMOS® 3D CINEMAS IN SCHOEFTLAND'S "CINEMA 8" (SWITZERLAND), FOHNN® LAUNCHES THE SERIAL PRODUCTION OF THREE NEW SPEAKER SYSTEMS DEVELOPED SPECIFICALLY WITH CINEMA AND SURROUND SOUND APPLICATIONS IN MIND.

CLT-201 - CINEMALINE TOP SURROUND

10" / 1.4" coaxial, frequency response ranging from 20 Hz – 20 kHz (-10dB), sensitivity: 95 dB, capacity: 250W, dimensions (w x h x d): 364 x 364 x 280 mm, 15 kg

CLS-40 - HIGH-PERFORMANCE SUBWOOFER

1 x 18" long excursion, frequency response ranging from 23 Hz – 300 Hz (-10dB), sensitivity: 99 dB, capacity: 1000W, dimensions (w x h x d): 590 x 1190 x 400 mm, 48 kg

CLS-70 - HIGH-PERFORMANCE SUBWOOFER

2 x 18" long excursion, frequency response ranging from 23 Hz – 300 Hz (-10dB), sensitivity: 102 dB, capacity: 2000W, dimensions (w x h x d): 1190 x 1190 x 400 mm

FOHNN® COOPERATES
WITH OPTOCORE.

OPTOCORE PROVIDES FOHNN® WITH DIGITAL CONNECTIVITY AND ADDED FLEXIBILITY FOR FLAGSHIP FOCUS LINE ARRAY.

In order to provide integration onto the **OPTOCORE** networks, the fibre specialists have created a special card, while **FOHNN®** has developed a purpose enclosure, which can be attached to Linea Focus series loudspeakers to provide optional input extensions.

This will enable digital audio and control data to be distributed simultaneously, either via Cat-5 or optical fibre. These **OPTOCORE** extensions will provide excellent audio quality, entire control of the speaker and facilitate reliable and redundant digital audio network. The cards will come in fibre **OPTOCORE FX** and Cat-5 SANE TP versions. Each card will provide two outputs to feed loudspeakers with two independent audio signals, RS485 port for control and GPIO. All these signals can be transported on single-fibre or Cat-5 cable.

The Fibre FX version enables all speakers to operate on an Optocore fibre ring in conjunction with all other devices from the **OPTOCORE** portfolio – as well as third party products with an Optocore interface. The distance between loudspeakers can be up to 120 km. The Cat-5 SANE TP version can function as a local extension to the fibre node enabling users to build local daisy chains – with 100 m distance between the loudspeakers.

This card adds huge flexibility to the **FOHNN®** Beam Steering solutions, simplifies cabling and adds quality by reducing signal losses over coax.




OPTOCORE

INDIVIDUAL PROJECT PLANNING SUPPORT AND COMMISSIONING

Every project is different and each room has its own specific sound. For these reasons precise forward planning is crucial, in order to predict how the project will ultimately sound and that, for example, the requirements for electro-acoustic emergency warning systems (EN60849 / VDE0828) are met.

FOHNN® begins consultations with designers, architects and installers at a very early stage. Together we discuss the client's individual needs regarding acoustics and visuals. If required, professional acoustic simulation is then created to determine the most appropriate speaker system. By this process we are able to calculate all the relevant project parameters, such as the required sound pressure level, speech intelligibility and evenness of sound.

The FOHNN® sound experts are at your service from the balancing of the speaker system right through to the final product inspection and sign-off.

Perfect sound from the beginning. We promise.

THE SYSTEM COMPONENTS

Perfectly developed speaker systems, state-of-the-art amplifier and DSP technology as well as an intuitive remote control concept guarantee maximum user comfort and a top-quality sound.

SUPPORT

No two projects are alike. The acoustics vary from venue to venue. This is why sound planning is vital in determining how the actual sound will be heard at the location.

FOHNN® starts planning at an early stage by consulting planners, architects and fitters, and then discusses the different acoustic and design requirements together with the customer. If required, a professional acoustics simulation can be run to determine which speaker system is most suitable for the application. Important project parameters such as anticipated volume levels, speech intelligibility and the evenness of sound distribution are defined during this process.

SERVICE

FOHNN® offers extensive personal and telephonic consultation in our quest to find the perfect system and matching accessories for you. To ensure product longevity and optimum sound performance we offer a comprehensive repair service. Our RMA system (Return Material Authorization) guarantees the quick and smooth handling of your service request. Regular software updates and new features are available free for download.

PROFESSIONAL TRAINING

For FOHNN® users, planners and event technicians we offer a wide selection of courses and workshops, right here at FOHNN® or on site. Our competent planners and sound engineers share their expertise in the operation of our speaker systems and their diverse applications. Our employees have wide experience in both live events and fixed installations. Furthermore you can come to the FOHNN® headquarters in Nürtingen to hear the different systems and get advice from our experts.

EASYPORT-SERIES
WIRELESS SPEAKER SYSTEMS.



EASYPORT – MODULAR FLEXIBILITY.

THE NEXT GENERATION OF WIRELESS LOUDSPEAKER SYSTEMS FROM GERMANY.

THE NEW EASYPORT LOUDSPEAKER SERIES IS REMARKABLE BOTH FOR ITS MODULAR CONSTRUCTION AND FOR ITS EXTENSIVE ACOUSTIC RE-ENGINEERING.

All models are equipped with very high performance 1" compression drivers with short horn and high efficiency 8" cone loudspeakers. This results in even better speech intelligibility, sound dispersion and dynamics. The modular concept enables most currently available radio

microphone systems to be integrated – either supplied with the unit or fitted afterwards. A CD Player with USB port can also be fitted at any time. Highly reliable and easy to use, the systems can operate up to 20 hours on one battery charge.

TRAINING.

- Training at any location
- Workshops and seminars

PROJECT PLANNING.

- Consultation
- On-site inspection
- Analysis
- Room simulation
- Product selection

SPEAKERS.

Aktive and passive loudspeakersysteme with erstklassigem Sound, durchdachtem Design und größtmöglicher Vielseitigkeit.

AMPLIFIERS.

State-of-the-art amplifier technology designed to meet demanding requirements regarding audio quality and reliability.

AUDIO DSP.

2-stage DSP technology for total control and greater efficiency in implementing your sound projects.

REMOTE CONTROL.

User-friendly options for controlling and monitoring the FOHNN® Audio System remotely.

INITIAL OPERATION.

- Calibration,
- Documentation,
- Instruction of personnel

SERVICE.

- Consultation in person or by telephone
- Repair service
- Software updates



FP-11 MODULAR

BATTERY-POWERED, SELF-CONTAINED SPEAKER SYSTEM, 40 W
processor controlled, 3-channel mixer, battery operation, tone control, 9.5 kg.

1 4 0 7 - D 0 9 9 0

OPTIONS:

1 × **CD-PLAYER**1 × **INTEGRATED RADIO MICROPHONE SYSTEM**

special colour

BRACKETS: stand fork **SHP-1**, wall bracket **WHP-1**STAND MOUNTING: **STAND-1**

FP-22 MODULAR

BATTERY-POWERED, SELF-CONTAINED SPEAKER SYSTEM, 60 W
processor controlled, 4-channel mixer, battery & mains operation, tone control, 12V DC out, XLR line IN+OUT, 12 kg, up to two built-in radio receivers possible.

1 4 0 8 - D 0 9 9 0

OPTIONS:

1 × **CD-PLAYER**2 × **INTEGRATED RADIO MICROPHONE SYSTEM**

special colour

BRACKETS: stand fork **SHP-2**, wall bracket **WHP-2**STAND MOUNTING: **STAND-1**

FP-22 SLAVE

PASSIVE ADDITIONAL SPEAKER, 120 W

to connect to a **FP-22 Modular**, ca. 9 kg, connection via optional
Speakon cable

1 4 1 0 - D 0 0 0 0

OPTIONS: special colour

BRACKETS: stand fork **SHP-2**, wall bracket **WHP-2**STAND MOUNTING: **STAND-1**

OPTIONS FOR EASYPORT

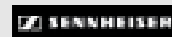
CD-PLAYER WITH USB INTERFACE

Integrated CD player, approx 0.5 kg. **SA-2** speaker stand adapter, with screw fixing, also included. Apart from audio CDs, the player can also play CD data files saved in MP3 format. USB interface: to play data files stored on a USB stick. Infrared remote control for CD player.

-----D0980

RADIO MICROPHONE SYSTEMS

Radio systems provided by the customer can be built into **EASYPORT** systems and tuned for a charge (max. 9.5", max. width for receiver W = 212 mm). We would be happy to integrate your wireless microphone systems. Please give us a call!



SHURE



WIRELESS MICROPHONE SYSTEMS TESTED AND RECOMMENDED BY **FOHNN®**

SENNHEISER: **EW 100 SERIES, EW 300 SERIES** (Installation by **FOHNN®**), 7 0 2 5 - 0 0 0 0 0

EW 500 SERIES (Installation by **FOHNN®**), **XSW SERIES**

SHURE: **BLX4, BLX4R** (Only one system can be integrated), **SLX4, QLXD4** 7 0 2 7 - 0 0 0 0 0

AKG: **PERCEPTION WIRELESS SR45** (only for **FP-22**), 7 0 2 6 - 0 0 0 0 0

WMS470, WMS420

OTHERS: Please ask for other optional wireless microphone systems. 7 0 0 9 - 0 0 0 0 0

OPTION **SPECIAL COLOUR**

special colour to RAL, also available for wall brackets

-----S---C

FP-MEDIA

SELF-POWERED SPEAKER SYSTEM, PROCESSOR CONTROLLED, 100 W

1 4 0 9 - D 0 9 0 0

2-channel mixer, microphone & line-inputs, 2-band tone control, speaker stand sleeve, monitor shaping, carrying handle, mains powered, 9 kg.

❗ **FP-Media** is not available with integrated radio microphone systems.

OPTIONS: special colour

BRACKETS: stand fork **SHM-1**, wall bracket **WHM-1**

BRACKETS FOR EASYPORT

SHP-1

stand fork, with stand adapter Ø 36 mm (unscrewable), for **FP-11**

black 8 2 2 3 - 0 0 0 0 0

SHP-2

stand fork, with stand adapter, Ø 36 mm (unscrewable), for **FP-22**

black 8 2 2 4 - 0 0 0 0 0

SHM-1

stand fork, with stand adapter Ø 36 mm (unscrewable), for **FP-MEDIA**

black 8 2 2 2 - 0 0 0 0 0

WHP-1

wall bracket, Box abnehmbar, for **FP-11, FP-22** and **FP-MEDIA**

black 8 4 3 3 - B 0 0 0 0 0

WHP-2

wall bracket, pivots and tilts, for **FP-22**

black 8 4 3 4 - B 0 0 0 0 0

WHM-1

wall bracket, pivots and tilts, for **FP-MEDIA**

black 8 4 3 2 - B 0 0 0 0 0

ACCESSORIES FOR EASYPORT

STAND-1

speaker stand economy

black 8 2 0 1 - 0 0 0 0 0

STAND

with locking bolts

white 8 2 3 1 - W 0 0 0 0 0

CB-STANDS

carrying bag for 2 × **STAND-1**

8 1 1 6 - 0 0 0 0 0

CB-EASYPORT

carrying bag, padded, for **FP-22, FP-11, FP-MEDIA**

8 1 1 5 - 0 0 0 0 0

RAIN COVERS

RC-FP1: rain cover, sound-permeable, for **FP-11**

8 1 1 1 - 0 0 0 0 0

RC-FP2: rain cover, sound-permeable, for **FP-22**

8 1 1 2 - 0 0 0 0 0



Wireless: EASYPORT FP-22 MODULAR at a fashion store opening.

AIREA®-SERIES

FOHHN® INTELLIGENT AUDIO DISTRIBUTION



THE SOUND OF THE FUTURE.

FOHHN® AIREA® - ACTIVE LOUDSPEAKER CONCEPT AND DIGITAL AUDIO NETWORK.

TODAY'S SOUND SYSTEMS ARE NOT ONLY EXPECTED TO DELIVER PERFECT AUDIO RESULTS. THEY ALSO NEED TO BE SIMPLE AND FLEXIBLE TO INSTALL, COMPACT AND ELEGANT IN APPEARANCE, WITH HIGH LEVELS OF PERFORMANCE CAPABILITY. MOST IMPORTANTLY, THEY ALSO NEED TO ACCOMMODATE A DIGITAL SIGNAL INPUT IN ORDER TO BE NETWORKED AND REMOTELY CONTROLLED.

These demands have inspired **FOHHN®** engineers to re-evaluate the current state of audio technology and to follow new and innovative paths of development.

AIREA® is an intelligent, active loudspeaker concept combined with versatile, digital audio networking capabilities. The system has been specially developed for high quality, flexible, forward-looking sound reinforcement applications. The **AIREA®** system consists of state-of-the-art loudspeakers

with integrated digital amplifiers and DSP technology, as well as a master module with digital inputs and outputs. Components are linked together via a conventional network cable.

AIREA® offers a variety of application possibilities such as AV-integration, 3D Sound, broadcast and TV-studios, Shops, conference rooms, theater, rental, churches, hotels, bars, restaurants, High-End Home-Audio and more.

AIREA® MASTER

CENTRAL INTERFACE OF THE AIREA® SYSTEM

AM-10

1U, POWER SUPPLY, 400 W

central interface with 1 × AES/EBU and FOHNN®-NET inputs, 4 × digital outputs and power supply for up to 16 AIREA® active loudspeakers.

1710-00900

AM-20

1U, POWER SUPPLY, 800 W

central interface with 1 × AES/EBU and FOHNN®-NET inputs, 4 × digital outputs and power supply for up to 16 AIREA® active loudspeakers.

1711-00900

AM-40

2U, POWER SUPPLY, 800 W

central interface with 8 × AES/EBU and FOHNN®-NET inputs, 8 × digital outputs and power supply for up to 32 AIREA® active loudspeakers.

1712-00900

AM-50 NEW

2U, POWER SUPPLY, 1600 W

central interface with 8 × AES/EBU and FOHNN®-NET inputs, 8 × digital outputs and power supply for up to 32 AIREA® active loudspeakers.

1713-00900

AIREA® SPEAKER EXTENSION – TOPS

AIREA®-LOUDSPEAKERS: ACTIVE, HIGH PERFORMANCE CAPABILITY, PERFECT SOUND.

LX-10 ASX

ULTRA-COMPACT, ACTIVE 2-WAY LOUDSPEAKER, 50W

with DSP, 4" / 0.75 high frequency driver, coaxial

loudspeaker arrangement, AIREA® Net-Load: 50 W

OPTIONS: Powder coating to RAL; BRACKETS: wall bracket WAL-03, horizontal bracket

QLX-11, mounting bracket VLX-11; STAND MOUNTING: SA-3 stand adapter + CLAMP-1

black 1701-B0000

white 1701-W0000

LX-20 ASX

ULTRA-COMPACT, ACTIVE 2-WAY LOUDSPEAKER, 100W

with DSP, 2 × 4" / 0.75 high frequency driver, AIREA® Net-Load: 100 W

OPTIONS: Powder coating to RAL

BRACKETS: mounting bracket WAL-1, wall bracket WAL-03, wall bracket WAT-08 /

WAT-08k, horizontal bracket QLX-20; STAND MOUNTING: SA-5 joint stand adapter

black 1702-B0000

white 1702-W0000

LX-60 ASX NEW

ULTRA-COMPACT, ACTIVE 2-WAY LOUDSPEAKER, 200W

with DSP, 4 × 4" / 0.75 high frequency driver, AIREA® Net-Load: 100 W

OPTIONS: Powder coating to RAL

WALL BRACKET: mounting bracket WAL-1, wall bracket WAT-08 / WAT-08k

STAND MOUNTING: joint stand adapter SA-6, FREE STAND II AND III

black 1707-B0000

white 1707-W0000

AIREA® SPEAKER EXTENSION – SUBS

AIREA®-SUBWOOFERS: ACTIVE AND ULTRA-COMPACT

AS-06 ASX

ULTRA-COMPACT, ACTIVE SUBWOOFER, 150 W

with DSP, 1 × 6.5" , AIREA® Net-Load: 100 W

OPTIONS: special colour; FLYING- AND MOUNTING BRACKET: 2 × VAS-12 Set

black 1704-D0000

white 1704-H0000

AS-10 ASX

ULTRA-COMPACT, ACTIVE SUBWOOFER, 300 W

with DSP, 2 × 6.5" , AIREA® Net-Load: 200 W

OPTIONS: special colour; FLYING- AND MOUNTING BRACKET: 2 × VAS-12 Set

black 1705-D0000

white 1705-H0000

AS-22 ASX

ULTRA-COMPACT, ACTIVE SUBWOOFER, 500 W

with DSP, 1 × 12" with dual voice coil, AIREA® Net-Load: 200 W

OPTIONS: special colour; FLYING- AND MOUNTING BRACKET: 2 × VAS-12 Set

black 1706-D0000

white 1706-H0000

OPTIONS FOR AIREA® SPEAKER EXTENSIONS

OPTION **POWDER COATING TO RAL** -----S---C

powder coating to RAL, also available for wall brackets

for LX-10 ASX / LX-20 ASX / LX-60 ASX

OPTION **SPECIAL COLOUR** -----S---C

special colour to RAL, also available for wall brackets

for AS-06 ASX / AS-10 ASX / AS-22 ASX

AIREA® BREAK-OUT/-IN EXTENSION

INTERFACES FOR AIREA®

ABX-1

DIGITAL-ANALOG-CONVERTER FOR AIREA®

input: 1 × AIREA®-NET (RJ45), output: 2 × Analog Audio

(XLR male, symmetric) and 1 × FOHNN®-NET (RJ45)

1715-00000

ABX-2 NEW

ANALOG-DIGITAL-CONVERTER FOR AIREA®

input: 2 × Analog Audio (XLR female, symmetric) and

1 × FOHNN®-NET (RJ45 jack), 1 × DC 10-48V (for power supply)

output: 1 × AIREA®-NET (RJ45 jack), 1 × AES/EBU (XLR male)

1716-00000

AIREA® AMPLIFIER EXTENSION

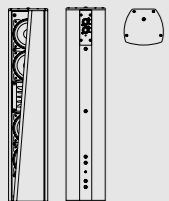
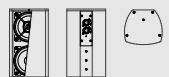
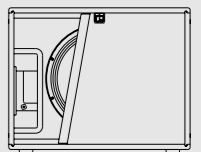
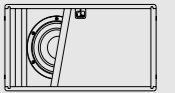
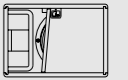
AAX-2.300

AIREA® DSP AMPLIFIER MODULE

2 × 300 W DSP amplifier module, AIREA®-NET-Load: 200 W

AIREA®-NET input, 2 × loudspeaker outputs (Speakon)

1720-00000



AIREA® AUDIO INTERFACE



A-2 LIVE FOHNN® AUDIO INTERFACE

6 4 0 5 - 0 0 0 0 0

Audio signals from a computer can be transferred directly to **AIREA®**, digitally and without any loss in quality. The USB audio interface has an AES/EBU output to meet professional audio requirements. No driver installation required.

AIREA® CABLE

FOR MOBILE APPLICATIONS

ETHERNET CABLE AIREA®

CAT-5 /AWG 24 network cable for mobile **AIREA®** applications. Roadproof and tread-resistant. Black with Neutrik EtherCON connectors (RJ-45, metal housing).



LENGTH 1.5 METRES

8 5 0 1 - 0 0 0 0 0

LENGTH 5 METRES

8 5 0 2 - 0 0 0 0 0

LENGTH 10 METRES

8 5 0 3 - 0 0 0 0 0

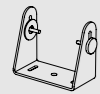
LENGTH 25 METRES

8 5 0 4 - 0 0 0 0 0

LENGTH 50 METRES, ON CABLE DRUM

8 5 0 5 - 0 0 0 0 0

BRACKETS FOR AIREA®



VLX-11

mounting bracket, with rubber rotation lock, for **LX-10 ASX**

black 8 4 4 0 - B 0 0 0 0

white 8 4 4 0 - W 0 0 0 0

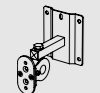


WAL-03

wall bracket, for **LX-10 ASX / LX-20 ASX**

black 8 4 3 7 - B 0 0 0 0

white 8 4 3 7 - W 0 0 0 0



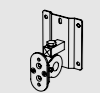
WAT-08

wall bracket, for **LX-20 ASX / LX-60 ASX**

ⓘ to mount LX, a spacing washer is required

black 8 4 2 9 - B 0 0 0 0

white 8 4 2 9 - W 0 0 0 0



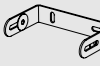
WAT-08k

wall bracket short, for **LX-20 ASX / LX-60 ASX**

ⓘ to mount LX, a spacing washer is required

black 8 4 3 0 - B 0 0 0 0

white 8 4 3 0 - W 0 0 0 0



QLX-11

horizontal bracket, with rubber rotation lock, ball impact resistant, for **LX-10 ASX**

black 8 4 3 9 - B 0 0 0 0

white 8 4 3 9 - W 0 0 0 0



QLX-20

horizontal bracket, with rubber rotation lock, ball impact resistant, for **LX-20 ASX**

black 8 4 5 0 - B 0 0 0 0

white 8 4 5 0 - W 0 0 0 0



WAL-1

set of 2 mounting brackets, for **LX-10 ASX / LX-20 ASX / LX-60 ASX**

black 8 4 2 8 - B 0 0 0 0

white 8 4 2 8 - W 0 0 0 0



VAS-12 NEW

set of 2 flying- and mounting bracket, ball impact resistant, for **AS-06 ASX / AS-10 ASX / AS-22 ASX**

ⓘ two sets per subwoofer (=4 brackets) required

black 8 4 5 2 - B 0 0 0 0

white 8 4 5 2 - W 0 0 0 0

ACCESSORIES FOR AIREA®

SA-3

stand adapter with M10 female thread, ø 36 mm, for mounting bracket **VLX-11**

black 8 2 1 4 - 0 0 0 0 0



SA-5

joint stand adapter with 2 x M6 allen bolts, ø 36 mm, for **LX-20 ASX / LX-60 ASX**

ⓘ to mount LX, a spacing washer is required

black 8 2 1 6 - 0 0 0 0 0



SA-6

joint stand adapter with 2 x M6 allen bolts, ø 36 mm, for **LX-60 ASX**

black 8 2 1 7 - B 0 0 0 0

white 8 2 1 7 - W 0 0 0 0



SA-7

with through-bore for M10 screws (without stand adapter); for flown applications e.g. with optional **CLAMP LC-50** and **TV SPIGOT** with M10 female thread, for **LX-60 ASX**

black 8 2 1 8 - B 0 0 0 0



CLAMP-1

with threaded bolt M10, max. 15 kg, for traverse mounting with **VLX-11**

black 8 3 1 2 - 0 0 0 0 0



FREE STAND

DESIGN STAND FOR LINEA-SERIES, HEAVY ROUND STEEL BASE WITH RUBBER FEET FOR MAXIMUM STABILITY, OBSCURED CABLE GUIDE IN THE STAND AND ROUND BASE.

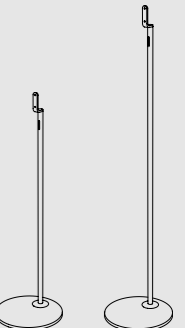
FREE STAND II

design stand, 14 kg, H: 1200 mm, socket ø 360 mm for **LX-60 ASX**

OPTIONS: special colour to RAL

black 8 2 0 6 - B 0 0 0 0

white 8 2 0 6 - W 0 0 0 0



FREE STAND II FREE STAND III

FREE STAND III

design stand, 14 kg, H: 1600 mm, socket ø 360 mm for **LX-60 ASX**

OPTIONS: special colour to RAL

black 8 2 0 7 - B 0 0 0 0

white 8 2 0 7 - W 0 0 0 0



AM-40

CAT-5 NETWORK CABLE



Network cable Airea®



AS-22 ASX



LX-60 ASX

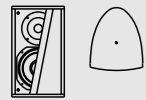


LX-10 ASX



LX-10 ASX

ARC-TOPS PASSIVE



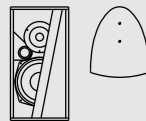
AT-05

COMPACT LOUDSPEAKER 80 W, 90° x 90°
5"/HT, 8 ohms, 4.5 kg

OPTIONS: 100 volt transformer, special colour

BRACKETS: wall bracket **WAT-08 / WAT-08k**, special bracket for traverse mounting **VAT-08**, bracket for ceiling mounting **VAT-09**, horizontal bracket **QAT-05**

black 1001-D0A00
white 1001-H0A00



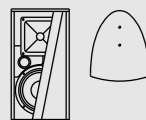
AT-061

FULL-RANGE LOUDSPEAKER 100 W, 90° x 90°
6"/HT, 16 ohms, 5.5 kg

OPTIONS: 100 volt transformer, PU coating, special colour

BRACKETS: wall bracket **WAT-08 / WAT-08k**, special bracket for traverse mounting **VAT-08**, bracket for ceiling mounting **VAT-09**, horizontal bracket **QAT-07**

black 1003-D0A00
white 1003-H0A00



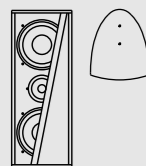
AT-07

FULL-RANGE LOUDSPEAKER 150 W (NEODYMIUM), 90° x 60°
6.5"/1" CD, 16 ohms, 7.3 kg, 90° rotatable horn

OPTIONS: 100 volt transformer, PU coating, special colour

BRACKETS: **SEE AT-061**

black 1004-D1A00
white 1004-H1A00



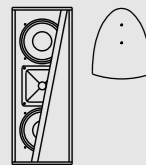
AT-08

FULL-RANGE LOUDSPEAKER 150 W, 90° x 40°
2 x 6"/HT, 8 ohms, 7 kg

OPTIONS: 100 volt transformer, PU coating, special colour

BRACKETS: wall bracket **WAT-08 / WAT-08k**, wall bracket **WAT-12**, special bracket for traverse mounting **VAT-08**, bracket for ceiling mounting **VAT-09**, horizontal bracket **QAT-09**

black 1005-D0A00
white 1005-H0A00



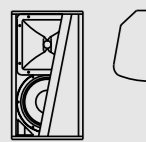
AT-09

FULL-RANGE LOUDSPEAKER 200 W (NEODYMIUM), 90° x 40°
2 x 6.5"/1" CD, 8 ohms, 8.1 kg, speaker 90° rotatable

OPTIONS: 100 volts transformer, PU coating, special colour

BRACKETS: **SEE AT-08**

black 1006-D0A00
white 1006-H0A00



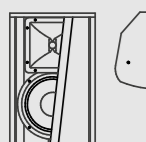
AT-10

FULL-RANGE LOUDSPEAKER 200 W (NEODYMIUM)
8"/1" CD, 8 ohms, 9.5 kg, 90° rotatable horn

OPTIONS: 100 volt transformer, PU coating, special colour

BRACKETS: wall bracket **WAT-08 / WAT-08k**, wall bracket **WAT-12**, vertical bracket **VAT-10**

black, 90°x60° 1007-D1A00
black, 60°x40° 1007-DAA00
white, 90°x60° 1007-H1A00
white, 60°x40° 1007-HAA00



AT-201

FULL-RANGE LOUDSPEAKER 300 W (NEODYMIUM)
10"/1" CD, 8 ohms, 14.5 kg, 90° rotatable horn

OPTIONS: 100 volt transformer, PU coating, special colour

BRACKETS: wall bracket **WAT-08 / WAT-08k**, wall bracket **WAT-12**, vertical bracket **VAT-20**, horizontal bracket **QAT-20**

black, 90°x60° 1021-D1A00
black, 60°x40° 1021-DAA00
white, 90°x60° 1021-H1A00
white, 60°x40° 1021-HAA00

AT-221w

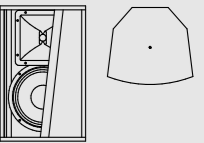
WEATHERPROOF

FULL-RANGE OUTDOOR LOUDSPEAKER 300 W (NEODYMIUM)
10"/1" CD, 8 ohms, 14.5 kg, 90° rotatable horn, Speakon, with weatherproof VM housing, PU coating, impregnated loudspeaker membranes

OPTIONS: 100 volt transformer, special colour

BRACKETS: vertical bracket **VAT-20**, horizontal bracket **QAT-20**

black, 90°x60° 1022-PIAA0
black, 60°x40° 1022-PAAA0



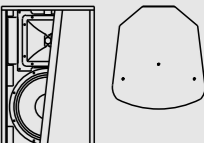
AT-35

FULL-RANGE LOUDSPEAKER 500 W (NEODYMIUM)
12"/1" CD, 8 ohms, 20 kg, 90° rotatable horn

OPTIONS: 100 volt transformer, PU coating, special colour

BRACKETS: wall bracket **WAT-12**, wall bracket **WLX-220**, vertical bracket **VAT-34**, horizontal bracket **QAT-34**

black, 90°x60° 1012-D1A00
black, 60°x40° 1012-DAA00
white, 90°x60° 1012-H1A00
white, 60°x40° 1012-HAA00



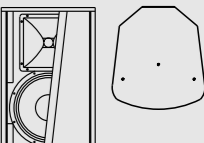
AT-40

FULL-RANGE LOUDSPEAKER 500 W (NEODYMIUM)
12"/1.4" CD, 8 ohms, 22 kg, 90° rotatable horn

OPTIONS: 100 volt transformer, PU coating, special colour

BRACKETS: **SEE AT-35**

black, 80°x50° 1014-DEA00
black, 60°x50° 1014-DCA00
white, 80°x50° 1014-HEA00
white, 60°x50° 1014-HCA00



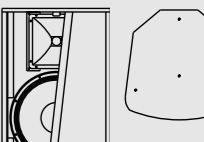
AT-50

FULL-RANGE LOUDSPEAKER 600 W (NEODYMIUM)
15"/1.4" CD, 8 ohms, 27 kg, 90° rotatable horn

OPTIONS: 100 volt transformer, PU coating, special colour

BRACKETS: wall bracket **WLX-220**, vertical b. **VAT-50**, horiz b. **QAT-50**

black, 80°x50° 1016-DEA00
black, 60°x50° 1016-DCA00
white, 80°x50° 1016-HEA00
white, 60°x50° 1016-HCA00



AT-661w

WEATHERPROOF

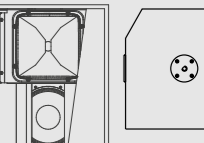
FULL-RANGE OUTDOOR LOUDSPEAKER 600 W, 90°x60°
2 x 10"/1.4" CD, fully horn loaded, 4 ohms, 32 kg, 90° rotatable horn, weatherproof VM/Aluminium housing, scratch-proof plastic coating (PU), impregnated loudspeaker membranes

OPTIONS: special colour

BRACKETS: vertical bracket **VAT-661**, horizontal bracket **QAT-661**



black 1023-21AA0



OPTIONS FOR ARC-TOPS

100 VOLT TRANSFORMER

AP-25, 25 watt/100 volt, for **AT-05/061/07/08/09/10**

AP-60, 60 watt /100 volt, for **AT-061/07/08/09/10/201/221w**

AP-120, 120 watt /100 volt, for **AT-08/09/10/201/221w/35/40/50**

AP-240, 240 watt /100 volt, for **AT-201/221w/35/40/50**

-----C-----
-----F-----
-----G-----
-----H-----

OPTION SPECIAL COLOUR

special colour to RAL, also available for wall brackets

-----S-----C

OPTION PU COATING

weatherproof, scratch-proof plastic coating with impregnated speaker membranes, for **AT-061/07/08/09/10/201/35/40/50**

-----P-----

WALL BRACKET FOR ARC-TOPS

WAT-08wall bracket, for **AT-05/061/07/08/09/10/201**

black 8 4 2 9 - B 0 0 0 0

white 8 4 2 9 - W 0 0 0 0

WAT-08kwall bracket short, for **AT-05/061/07/08/09/10/201**

black 8 4 3 0 - B 0 0 0 0

white 8 4 3 0 - W 0 0 0 0

WAT-12wall bracket, for **AT-08 / AT-09 / AT-10 / AT-201**

black 8 4 3 1 - B 0 0 0 0

white 8 4 3 1 - W 0 0 0 0

WLX-220wall bracket, inclination continuously adjustable with threaded spindle, ball impact resistant, for **AT-35 / AT-40 / AT-50**

black 8 4 4 5 - B 0 0 0 0

white 8 4 4 5 - W 0 0 0 0

LW-1

wall mounting bracket small, SWL (Safe Working Load) 17 kg, on enquiry (weight-, dimensions- and applications-specific)

black 8 3 0 8 - B 0 0 0 0

white 8 3 0 8 - W 0 0 0 0

LW-2

wall mounting bracket large, SWL (Safe Working Load) 40 kg, on enquiry (weight-, dimensions- and applications-specific)

black 8 3 0 7 - B 0 0 0 0

white 8 3 0 7 - W 0 0 0 0

VERTICAL BRACKET FOR ARC-TOPS

VAT-08special bracket for traverse mounting, e.g. with **CLAMP-1** with M10 female thread, 360° joint, extendable with **VL-89**, for **AT-05 / AT-061 / AT-07 / AT-08 / AT-09**

black 8 4 1 2 - B 0 0 0 0

white 8 4 1 2 - W 0 0 0 0

VAT-09bracket for ceiling mounting, length: 180 mm, M10 female thread, 360° joint, extendable with **VL-89**, for **AT-05 / AT-061 / AT-07 / AT-08 / AT-09**

black 8 4 1 3 - B 0 0 0 0

white 8 4 1 3 - W 0 0 0 0

VL-89 EXTENSIONlength: 180 mm, M10 thread, for **VAT-08 / VAT-09**

black 8 3 1 3 - B 0 0 0 0

white 8 3 1 3 - W 0 0 0 0

VAT-10vertical bracket, with rubber rotation lock, ball impact resistant, for **AT-10**

black 8 4 1 4 - B 0 0 0 0

white 8 4 1 4 - W 0 0 0 0

VAT-20vertical bracket, with rubber rotation lock, ball impact resistant, for **AT-201 / AT-221w**

black 8 4 1 5 - B 0 0 0 0

white 8 4 1 5 - W 0 0 0 0

VAT-34vertical bracket, with rubber rotation lock, ball impact resistant, for **AT-35 / AT-40**

black 8 4 1 6 - B 0 0 0 0

white 8 4 1 6 - W 0 0 0 0

VAT-50vertical bracket, with rubber rotation lock, ball impact resistant, for **AT-50**

black 8 4 1 7 - B 0 0 0 0

white 8 4 1 7 - W 0 0 0 0

VAT-661vertical bracket, clamping bolt rotation lock, ball impact resistant, for **AT-661w**

black 8 4 4 8 - B 0 0 0 0

white 8 4 4 8 - W 0 0 0 0

HORIZONTAL BRACKET FOR ARC-TOPS

QAT-05horizontal bracket, with rubber rotation lock, ball impact resistant, for **AT-05**

black 8 4 0 3 - B 0 0 0 0

white 8 4 0 3 - W 0 0 0 0

QAT-07horizontal bracket with rubber rotation lock, ball impact resistant, for **AT-061 / AT-07**

black 8 4 0 4 - B 0 0 0 0

white 8 4 0 4 - W 0 0 0 0

QAT-09horizontal bracket with rubber rotation lock, ball impact resistant, for **AT-08 / AT-09**

black 8 4 0 5 - B 0 0 0 0

white 8 4 0 5 - W 0 0 0 0

QAT-10horizontal bracket with rubber rotation lock, ball impact resistant, for **AT-10**

black 8 4 0 6 - B 0 0 0 0

white 8 4 0 6 - W 0 0 0 0

QAT-20horizontal bracket with rubber rotation lock, ball impact resistant, for **AT-201 / AT-221w**

black 8 4 0 7 - B 0 0 0 0

white 8 4 0 7 - W 0 0 0 0

QAT-34horizontal bracket with rubber rotation lock, ball impact resistant, for **AT-35 / AT-40**

black 8 4 0 8 - B 0 0 0 0

white 8 4 0 8 - W 0 0 0 0

QAT-50horizontal bracket with rubber rotation lock, ball impact resistant, for **AT-50**

black 8 4 0 9 - B 0 0 0 0

white 8 4 0 9 - W 0 0 0 0

QAT-661horizontal bracket, clamping bolt rotation lock, ball impact resistant, for **AT-661w**

black 8 4 4 7 - B 0 0 0 0

white 8 4 4 7 - W 0 0 0 0

ACCESSORIES FOR ARC-TOPS

SA-1

stand adapter, Ø 36mm, with M6 × 18 mm male thread

black 8 2 1 1 - 0 0 0 0 0

SA-2stand adapter, Ø 36mm, with M8 × 18 mm male thread, for **AT-201 / AT-35 / AT-40 / AT-50**

black 8 2 1 3 - 0 0 0 0 0

SA-3stand adapter, Ø 36mm, with M10 female thread, e. g. to bolt on vertical brackets **VAT-10 / VAT-20 / VAT-35 / VAT-5**

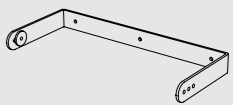
black 8 2 1 4 - 0 0 0 0 0

SA-4stand adapter, Ø 36mm, with 2 × M6 wing bolts, for **AT-061 / AT-07 / AT-08 / AT-09**

black 8 2 1 5 - 0 0 0 0 0

SA-5stand adapter, Ø 36mm, with 2 × M6 allen bolts, for **AT-05 / AT-061 / AT-07 / AT-08 / AT-09**

black 8 2 1 6 - 0 0 0 0 0



! Please include the following order specifications for horizontal brackets:

- Would you like a rotated horn?
- Would you like the FOHNN® logo affixed to the front for horizontal assembly?





CLAMP-1

with threaded bolt M10, max. 15 kg, for traverse mounting with VXT-1 / VXT-10 / VLX-11

black 8312-00000



SAFETY EYEBOLTS

DIN 580, zinc, for safety

EB-6: M6 thread, for AT-05/061/07/08/09/10

8007-00000

EB-8: M8 thread, for AT-201/21/30/35/40/50/66

8008-00000

FREE STAND

DESIGN STAND, HEAVY ROUND STEEL BASE WITH RUBBER FEET FOR MAXIMUM STABILITY, OBSCURED CABLE GUIDE IN THE STAND AND ROUND BASE.

FREE STAND II

design stand, 14 kg, height: 1200 mm, socket Ø 360 mm for AT-05 / AT-061 / AT-07 / AT-08 / AT-09

OPTIONS: special colour to RAL

black 8206-B0000

white 8206-W0000

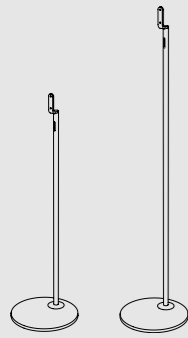
FREE STAND III

design stand, 14 kg, height: 1600 mm, socket Ø 360 mm for AT-05 / AT-061 / AT-07 / AT-08 / AT-09

OPTIONS: special colour to RAL

black 8207-B0000

white 8207-W0000



FREE STAND II FREE STAND III

CEILING SPEAKERS



CS-04

COMPACT CEILING SPEAKER WITH EXCELLENT SOUND QUALITY

4" long excursion drivers / 1" calotte driver, 30 W, neodymium technology, 16 ohms or 100 V operating mode, 100 V transformer integrated, dispersion 90° conical, steel fire guard.

OPTIONS: special colour to RAL

white 1018-W0000



CS-08

HIGH OUTPUT CEILING SPEAKER WITH EXCELLENT SOUND QUALITY

8" long excursion drivers / 1" calotte driver, 120 W, neodymium technology, 8 ohms, dispersion 90° conical, 7 kg (without 100 V transformer), M8 treaded rod for ceiling adjustment incl. three claws for attachment

OPTIONS: special colour to RAL, 100 volt transformer

white 1020-W0A00

OPTIONS FOR CEILING SPEAKERS

100 VOLT TRANSFORMER

AP-60, 60 watt /100 volt, for CS-08

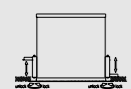
AP-120, 120 watt /100 volt, for CS-08

-----F--
-----G--

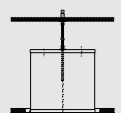
OPTION SPECIAL COLOUR

special colour to RAL

-----S___C



claws for attachment



M8 treaded rod

ARC-SUBS PASSIVE

AS-06

ULTRA-COMPACT SUBWOOFER, 150 W

1 × 6.5", bass reflex, for active two-way operation, 8 kg, 4 ohms

OPTIONS: PU coating, special colour

FLYING- AND MOUNTING BRACKET: 2 × VAS-12 Set

black 4012-D00A0



AS-10

COMPACT SUBWOOFER, 300 W

2 × 6.5", bass reflex, for active two-way operation, 9 kg, 4 ohms

OPTIONS: PU coating, special colour

FLYING- AND MOUNTING BRACKET: 2 × VAS-12 Set

black 4003-D0000



AS-22

COMPACT, HIGH-PERFORMANCE SUBWOOFER, 500 W

1 × 12", bass reflex, for active two-way operation, 21 kg, 4 ohms

OPTIONS: PU coating, special colour

FLYING- AND MOUNTING BRACKET: 2 × VAS-12 Set

black 4011-D0000



AS-31

HIGH PERFORMANCE SUBWOOFER, 700 W

1 × 15", bass reflex, for active two-way operation, 24 kg, 8 ohms

OPTIONS: PU coating, special colour

FLYING- AND MOUNTING BRACKET: 1 × VAS-14 Set

black 4007-D0000



AS-40

HIGH PERFORMANCE SUBWOOFER, 800 W

1 × 18", rear-loaded resonator system for active two-way operation, 40 kg, 8 ohms

OPTIONS: PU coating, special colour

FLYING- AND MOUNTING BRACKET: 1 × VAS-14 Set

black 4009-D0000



OPTIONS FOR ARC-SUBS PASSIVE

OPTION SPECIAL COLOUR

special colour to RAL, also available for wall brackets

-----S___C

OPTION PU COATING

weatherproof, scratch-proof plastic coating with impregnated speaker membranes

-----P-----

BRACKETS FOR ARC-SUBS

VAS-12 **NEW**

flying- and mounting bracket, set of 2, ball impact resistant, for AS-06 / AS-10 / AS-22

ⓘ two sets per subwoofer (=4 brackets) required

black 8452-B0000

white 8452-W0000





VAS-14

flying- and mounting bracket for subwoofer, set of 4, ball impact resistant, for AS-31 / AS-40

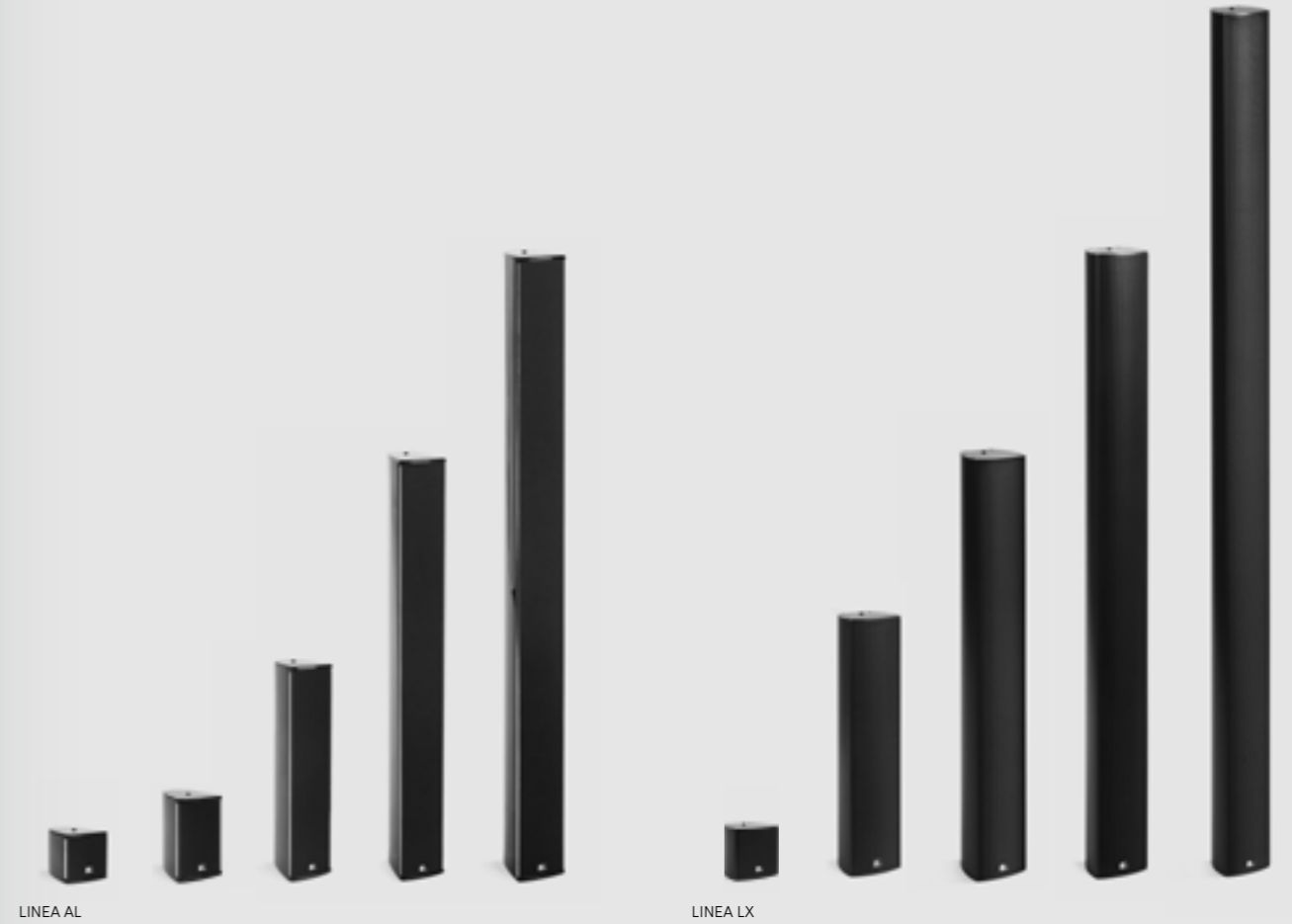
black 8411-B0000

AT-07 speakers proof their solidness and resistance at the German ski jumping hill in Oberstdorf.



LINEA-SERIES

LINE SOURCE SPEAKERS.



LINEA AL

LINEA LX



AT-05 / AS-22 / AT-50 / AT-661w

HIGHEST DEMANDS ON AESTHETICS AND SOUND QUALITY: **FOHNN® LINEA-SERIES.**

DESIGN LINE SOURCE SPEAKERS TO SATISFY DEMANDING REQUIREMENTS FOR INTEGRATION AND FUNCTIONALITY. INTEGRATED STATE-OF-THE-ART LINE ARRAY TECHNOLOGY. OUTSTANDING SOUND QUALITY FOR SPEECH AND MUSIC. DEVELOPED FOR EXCELLENT SOUND REPRODUCTION IN VENUES WITH DEMANDING ACOUSTICS.

LINEA AL

Elegant design line source speakers with integrated line array technology for complex fixed installations. In wooden enclosure with refined piano or matt finish. Superior speech intelligibility even in the most challenging acoustic environments. Advanced 2-way speaker technology guarantees extremely even sound dispersion. Outstanding, natural sound quality with both - speech and music. Available in all RAL colours and low-impedance or 100 V technology.

LINEA LX

Elegant design line source speakers with integrated hybrid line array technology for complex fixed installations and mobile applications. In Aluminium enclosure. State-of-the-art 2-way speaker technology with 1" high-frequency driver, Waveguide and coated 4" neodymium chassis guarantee an extremely dynamic sound. Ideal for the professional reproduction of speech, natural instruments and electronic music in churches, auditoriums, conference rooms and other venues.

LINEA AL

DIRECTIONAL SPEAKERS IN WOODEN HOUSING.



AL-10

NEARFIELD SPEAKER SYSTEM 20 W

1 x 3.3", 8 ohms, dispersion (h x v): 140° x 140°

dimensions (h x w x d): 11 cm x 11 cm x 14.2 cm

OPTIONS: 100 volt transformer, special colour

BRACKETS: wall bracket **WAL-03**, horizontal bracket **QAL-10**

black 1 101-K0A00

white 1 101-G0A00



AL-20

NEARFIELD SPEAKER SYSTEM 40 W

2 x 3.3", 16 ohms, dispersion (h x v): 140° x 80°

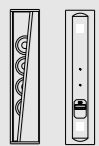
dimensions (h x w x d): 19 cm x 11 cm x 14.2 cm

OPTIONS: 100 volt transformer, special colour

BRACKETS: wall bracket **WAL-03**, horizontal bracket **QAL-20**

black 1 102-K0A00

white 1 102-G0A00



AL-50

LINE SOURCE SPEAKER SYSTEM 80 W

4 x 3.3", 8 ohms, dispersion (h x v): 140° x 40°

dimensions (h x w x d): 59 cm x 11 cm x 14.2 cm

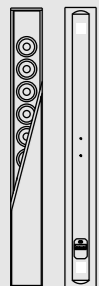
OPTIONS: 100 volt transformer, special colour

BRACKETS: mounting bracket **WAL-1**, wall bracket **WAT-08** / **WAT-08k**

STAND MOUNTING: joint stand adapter **SA-5**, **FREE STAND III**

black 1 103-K0A00

white 1 103-G0A00



AL-100

LINE SOURCE SPEAKER SYSTEM 200 W

10 x 3.3", 8 ohms, dispersion (h x v): 140° x 15° > 1.5 kHz,

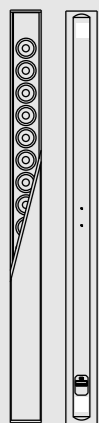
dimensions (h x w x d): 99 cm x 11 cm x 14.2 cm

OPTIONS: 100 volt transformer, special colour

BRACKETS: **SEE AL-50**

black 1 104-K0A00

white 1 104-G0A00



AL-150

LINE SOURCE SPEAKER SYSTEM 300 W

16 x 3.3", 8 ohms, dispersion (h x v): 140° x 15° > 1.0 kHz,

dimensions (h x w x d): 146 cm x 11 cm x 14.2 cm

OPTIONS: 100 volt transformer, special colour

BRACKETS: **SEE AL-50**

black 1 105-K0A00

white 1 105-G0A00

OPTIONS FOR LINEA AL

100 VOLT TRANSFORMER

AP-10, 10 watt / 100 volt, for **AL-10** / **AL-20**

AP-50, 50 watt / 100 volt, for **AL-50** / **AL-100** / **AL-150**

-----B--

-----E--

-----S--C

OPTION **SPECIAL COLOUR**

special colour to RAL, also available for wall brackets

BRACKETS FOR LINEA AL

WAL-1

mounting bracket, set of 2, for **AL-50** / **AL-100** / **AL-150**

black 8 428-B0000

white 8 428-W0000



WAL-03

wall bracket, for **AL-10** / **AL-20**

black 8 437-B0000

white 8 437-W0000



WAT-08

wall bracket, for **AL-50** / **AL-100** / **AL-150**

black 8 429-B0000

white 8 429-W0000



WAT-08k

wall bracket short, for **AL-50** / **AL-100** / **AL-150**

black 8 430-B0000

white 8 430-W0000



QAL-10

horizontal bracket, with rubber rotation lock, for **AL-10**

black 8 401-B0000

white 8 401-W0000



QAL-20

horizontal bracket, with rubber rotation lock, for **AL-20**

black 8 402-B0000

white 8 402-W0000



ACCESSORIES FOR LINEA AL

SA-5

joint stand adapter, Ø 36 mm, with 2 x M6 allen bolts, for **AL-50** / **AL-100** / **AL-150**

black 8 216-00000



FREE STAND

DESIGN STAND FOR LINEA-SERIES, HEAVY ROUND STEEL BASE WITH RUBBER FEET FOR MAXIMUM STABILITY, OBSCURED CABLE GUIDE IN THE STAND AND ROUND BASE.

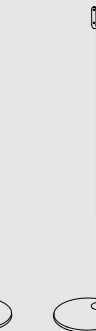
FREE STAND II

design stand, 14 kg, H: 1200 mm, socket Ø 360 mm for **AL-50** / **AL-100**

OPTIONS: special colour to RAL

black 8 206-B0000

white 8 206-W0000



FREE STAND III

design stand, 14 kg, H: 1600 mm, socket Ø 360 mm for **AL-50** / **AL-100** / **AL-150**

OPTIONS: special colour to RAL

black 8 207-B0000

white 8 207-W0000

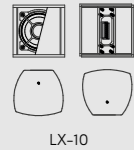


Free Stand II Free Stand III



LINEA LX

DIRECTIONAL SPEAKERS IN ALUMINIUM HOUSING



LX-10

LX-10

ULTRA-COMPACT TWO-WAY LOUDSPEAKER 50 W

designed for demanding fixed installations, 4"/0.75" HT, coaxial speaker construction, speaker construction, passive crossover with electronic Intelligent Protection Circuit (IPC), Phoenix terminal

OPTIONS: 100 volt transformer, Powder coating to RAL

BRACKETS: wall bracket **WAL-03**, horizontal bracket **QLX-11**

black 1 2 0 7 - B 0 A A 0
white 1 2 0 7 - W 0 A A 0



LX-11

LX-11

MOBILE VERSION OF LX-10

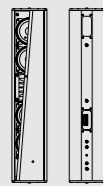
technical specifications identical to **LX-10**, with 2 x Speakon instead of the Phoenix terminal

OPTIONS: Powder coating to RAL

BRACKETS: mounting bracket **VLX-11**, horizontal bracket **QLX-11**

STAND MOUNTING: stand adapter **SA-3**

black 1 2 1 0 - B 0 0 0 0
white 1 2 1 0 - W 0 0 0 0



LX-60 / LX-61

LX-60

LINE SOURCE SPEAKER SYSTEM 200 W

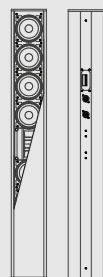
4 x 4" / 1" driver with Waveguide, 8 ohms, dispersion (h x v): 140 x 30°, dimensions (h x w x d): 64 cm x 13 cm x 12 cm, aluminium housing, Phoenix terminal

OPTIONS: 100 volt transformer, Powder coating to RAL

BRACKETS: mounting bracket **WAL-1**, wall bracket **WAT-08 / WAT-08k**

STAND MOUNTING: joint stand adapter **SA-6**, **FREE STAND II / III**

black 1 2 1 1 - B 0 A A 0
white 1 2 1 1 - W 0 A A 0



LX-100

LX-61

MOBILE VERSION OF LX-60

technical specifications identical to **LX-60**, with 2 x Speakon instead of the Phoenix terminal

OPTIONS: Powder coating to RAL

BRACKETS: **SEE LX-60**

black 1 2 1 2 - B 0 0 0 0
white 1 2 1 2 - W 0 0 0 0

LX-100

LINE SOURCE SPEAKER SYSTEM 400 W

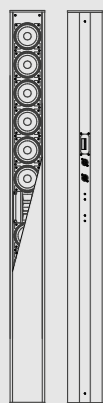
8 x 4" / 1" driver with Waveguide, 8 ohms, dispersion (h x v): 140 x 25° dimensions (h x w x d): 99 cm x 13 cm x 12 cm, 7 kg, aluminium housing, 2 x Speakon + Phoenix terminal

OPTIONS: 100 volt transformer, Powder coating to RAL

BRACKETS: mounting bracket **WAL-1**, wall bracket **WAT-08 / WAT-08k, WAT-12**

STAND MOUNTING: joint stand adapter **SA-6**, **FREE STAND II / III**

black 1 2 0 1 - E 0 A A 0
white 1 2 0 1 - W 0 A A 0



LX-150

LX-150

LINE SOURCE SPEAKER SYSTEM 600 W

12 x 4" / 1" driver with Waveguide, 8 ohms, dispersion (h x v): 140° x 25° dimensions (h x w x d): 146 cm x 13 cm x 12 cm, 9.5 kg, aluminium housing, 2 x Speakon + Phoenix terminal

OPTIONS AND BRACKETS: **SEE LX-100**

black 1 2 0 2 - E 0 A A 0
white 1 2 0 2 - W 0 A A 0

LX-220

LINE SOURCE SPEAKER SYSTEM 900 W

18 x 4" / 3 x 1" driver with Waveguide, 4 ohms, dispersion (h x v): 130° x 15° dimensions (h x w x d): 220 cm x 13 cm x 12 cm, 16 kg, aluminium housing, for fixed installations, Phoenix terminal

OPTIONS: 100 volt transformer, powder coating to RAL

WALL BRACKET: mounting bracket **WAL-1**, wall bracket **WLX-220**

black 1 2 0 9 - B 0 A A 0
white 1 2 0 9 - W 0 A A 0

LINEA LX

HIGH-POWER DIRECTIONAL SPEAKERS IN RESISTANT MULTIPLEX BIRCH WOOD HOUSING

LX-500

LINE ARRAY SPEAKER, 700 W

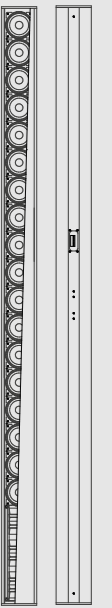
4 x 6.5" and 4 x 1", driver with Waveguide, 8 ohms, dispersion, (h x v): 100° x 20°, dimensions (h x w x d): 116 cm x 19.5 cm x 23.8 cm, 23 kg, fixed installation version with Phoenix terminal

OPTIONS: special colour

BRACKETS: mounting bracket **VAS-12**, wall bracket **WLX-220**

FLYING ADAPTER: **VLX-600**, STAND MOUNTING: stand adapter **SA-8**

black 1 2 0 3 - P 0 0 0 0
white 1 2 0 3 - H 0 0 0 0



LX-220

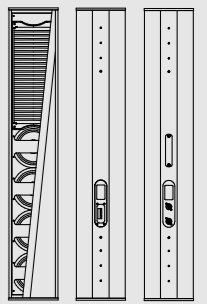
LX-501

MOBILE VERSION OF LX-500

technical specifications identical to **LX-500**, with 2 x Speakon instead of the Phoenix terminal, 2 x integrated handles, 1 x unscrewable handle, PU-coated wooden housing

OPTIONS AND BRACKETS: **SEE LX-500**

black 1 2 0 4 - P 0 0 0 0



LX-500 LX-501

LX-600

LINE ARRAY SPEAKER 1000 W

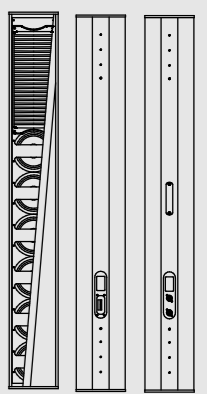
6 x 6.5" and 4 x 1" driver with Waveguide, 8 ohms, dispersion (h x v): 100° x 20°, dimensions (h x w x d): 150 cm x 19.5 cm x 23.8 cm, 29 kg, fixed installation version with Phoenix terminal

OPTIONS: 100 volt transformer

BRACKETS: mounting bracket **VAS-12**, wall bracket **WLX-600**

FLYING ADAPTER: **VLX-600**, STAND MOUNTING: stand adapter **SA-8**

black 1 2 0 5 - P 0 0 0 0
white 1 2 0 5 - H 0 0 0 0



LX-600 LX-601

LX-601

MOBILE VERSION OF LX-600

technical specifications identical to **LX-600**, with 2 x Speakon instead of the Phoenix terminal, 2 x integrated handles, 1 x unscrewable handle, PU-coated wooden housing

OPTIONS AND BRACKETS: **SEE LX-600**

black 1 2 0 6 - P 0 0 0 0

OPTIONS FOR LINEA LX

100 VOLT TRANSFORMER

AP-10, 10 watt / 100 volt, for **LX-10**

AP-60, 60 watt / 100 volt, for **LX-60 / LX-100 / LX-150 / LX-220**

----- B -----
----- F -----

OPTION **POWDER COATING TO RAL**
 powder coating to RAL, also available for wall brackets
 for **LX-10 / LX-11 / LX-60 / LX-61 / LX-100 / LX-150 / LX-220**

-----S-----C

OPTION **SPECIAL COLOUR**
 special colour to RAL, also available for wall brackets
 for **LX-500 / LX-501 / LX-600 / LX-601**

-----S-----C

BRACKETS FOR LINEA LX



VLX-11
 mounting bracket, with rubber rotation lock, for **LX-10 / LX-11**

black 8440-B0000
 white 8440-W0000



WAL-1
 mounting bracket, set of 2, for **LX-60 / LX-100 / LX-150 / LX-220**

black 8428-B0000
 white 8428-W0000



WAL-03
 wall bracket, for **LX-10 / LX-11**

black 8437-B0000
 white 8437-W0000



WAT-08
 wall bracket, for **LX-60 / LX-61 / LX-100 / LX-150 / LX-220**
 ⓘ to mount **LX**, a spacing washer is required

black 8429-B0000
 white 8429-W0000



WAT-08k
 wall bracket short, for **LX-60 / LX-61 / LX-100 / LX-150 / LX-220**
 ⓘ to mount **LX**, a spacing washer is required

black 8430-B0000
 white 8430-W0000



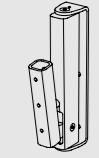
WAT-12
 wall bracket, for **LX-60 / LX-61 / LX-100 / LX-150**
 ⓘ to mount **LX**, a spacing washer is required

black 8431-B0000
 white 8431-W0000



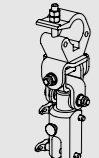
QLX-11
 horizontal bracket, with rubber rotation lock, ball impact resistant,
 for **LX-10 / LX-11**

black 8439-B0000
 white 8439-W0000



WLX-220
 wall bracket, inclination continuously adjustable with threaded spindle,
 ball impact resistant, for **LX-220 / LX-500 / LX-501**

black 8445-B0000
 white 8445-W0000



WLX-600
 wall bracket, inclination continuously adjustable with threaded spindle,
 ball impact resistant, for **LX-500 / LX-501 / LX-600 / LX-601**

black 8436-B0000
 white 8436-W0000



CC-300
 cardan coupler, SWL (Safe Working Load BGV C1) 300 kg,
 for **LX-501 / LX-601** with **VLX-600**

black 8320-B0000



VAS-12 NEW
 flying- and mounting bracket, set of 2, ball impact resistant,
 for **LX-500, LX-600**
 ⓘ two sets per subwoofer (=4 brackets) required

black 8452-B0000
 white 8452-W0000

ACCESSORIES FOR LINEA LX

SA-3
 stand adapter, Ø 36mm, with M10 female thread,
 e.g. to bolt on vertical bracket **VLX-11**

black 8214-00000



SA-6
 joint stand adapter, Ø 36 mm, with 2 × M6 allen bolts,
 for **LX-60 / LX-61 / LX-100 / LX-150**

black 8217-B0000
 white 8217-W0000



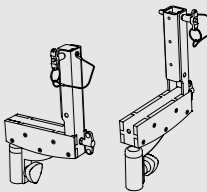
SA-7
 joint bracket with through-bore for M10 screws (without stand
 adapter), for flown applications e.g. with optional **CLAMP LC-50**
 and **TV SPIGOT** with M10 female thread
 for **LX-60 / LX-61 / LX-100 / LX-150**

black 8218-B0000



SA-8
 stand adapter Ø 36 mm; inclination of +3° to -10° continuously
 adjustable, Quickmount system with ball locking bolt,
 for **LX-500 / LX-501 / LX-600 / LX-601**

black 8219-B0000
 white 8219-W0000



CLAMP-1
 with threaded bolt M10, max. 15 kg, for traverse mounting
 with **VXT-1 / VXT-10 / VLX-11**

black 8312-00000



CLAMP LC-50
 traverse mounting of mounting brackets with **TV-SPIGOT**,
 for **VLX-600 / SA-7 / SA-10**
 ⓘ **TV SPIGOT** required

8301-00000



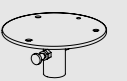
TV SPIGOT
 Ø 28 mm, with female thread M10, for **CLAMP LC-50 / DH-1**

8011-00000



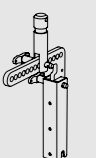
DH-1
 ceiling flange, **TV SPIGOT** included, ceiling mounting of
 mounting brackets with **TV-SPIGOT, VLX-600**

black 8302-B0000
 white 8302-W0000



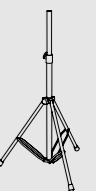
VLX-600
 with TV Spigot; for flown applications e.g. with optional
CLAMP LC-50, inclination of +3° to -10° continuously adjustable,
 Quickmount system with ball locking bolt, ceiling mounting
 with **DH-1** ceiling flange possible
 for **LX-500 / LX-501 / LX-600 / LX-601**

black 8420-00000



STAND-1
 speaker stand economy,
 for all products with stand adapter

black 8201-00000



STAND
 with locking bolts

white 8231-W0000

DR-1
 distance rod for satellite speakers; to connect subwoofers (with
 M20 flanged plate) with top speakers (stand adapter required),
 height: 905 mm - 1.4500 mm, tube end: Ø 35 mm

black 8204-B0000
 white 8204-W0000





CARRYING BAGS

- CB-LX-100:** for Linea LX-100, padded
- CB-LX-150:** for Linea LX-150, padded
- INLAY CB-LX-150:** for 2 x LX-60/LX-61
- CB-LX-501:** for LINEA LX-500/501, wheels, padded
- CB-LX-601:** for LINEA LX-600/601, wheels, padded

- 8 1 1 7 - 0 0 0 0 0
- 8 1 1 8 - 0 0 0 0 0
- 8 1 5 7 - 0 0 0 0 0
- 8 1 1 9 - 0 0 0 0 0
- 8 1 2 0 - 0 0 0 0 0

FREE STAND

DESIGN STAND, HEAVY ROUND STEEL BASE WITH RUBBER FEET FOR MAXIMUM STABILITY, OBSCURED CABLE GUIDE IN THE STAND AND ROUND BASE.

FREE STAND II

design stand, 14 kg, H: 1200 mm, socket Ø 360 mm
for LX-60 / LX-61 / LX-100

OPTIONS: special colour to RAL

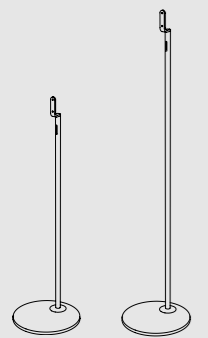
- black 8 2 0 6 - B 0 0 0 0
- white 8 2 0 6 - W 0 0 0 0

FREE STAND III

design stand, 14 kg, H: 1600 mm, socket Ø 360 mm
for LX-60 / LX-61 / LX-100 / LX-150

OPTIONS: special colour to RAL

- black 8 2 0 7 - B 0 0 0 0
- white 8 2 0 7 - W 0 0 0 0



Free Stand II Free Stand III

LINEA AL-150 on FREE STAND III



LINEA LIVE SYSTEMS

SUBWOOFERS AND LINE SOURCE SPEAKERS
COMBINED TO MOBILE LIVE SYSTEMS.



LINEA LIVE - SYSTEM RECOMMENDATIONS.

LINEA LIVE represents the perfect combination of **FOHNN® LINEA LX-11/61/100/150/501/601** Line source speakers and active subwoofers. The DSP-controlled active subs belong to **FOHNN®'s X-SERIES**, equipped with perfectly adapted presets for use with the **LINEA LX-11/61/100/150/501/601** loudspeakers. This enables Linea Live to combine the outstanding sound characteristics and directionality of line source speakers with the warm, punchy sound of highly developed active subwoofers. Appropriate accessories and intelligent remote control options complete the systems.

LINEA LIVE MINI

Ultra-compact, elegant and unobtrusive mini loudspeaker system with **LX-11 / LX-61** and **XS-10 ACTIVE** subwoofer for best audio quality at small venues.

LINEA LIVE IV

LX-501 or **LX-601** with two active subs **XS-30** or **XS-4** guarantee outstanding speech intelligibility and a balanced, homogenous sound for live music, at DJ events, in bigger halls, pavilions or churches.

LINEA LIVE I II III

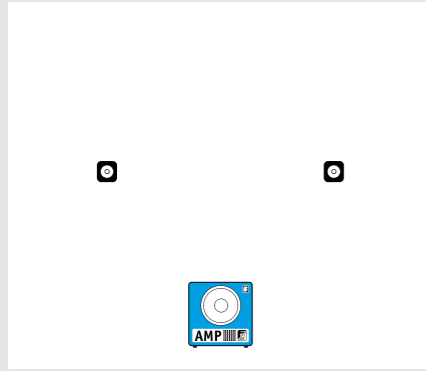
Combination of **LX-100 / LX-150** and active subwoofers **XS-10, XS-22** or **XS-30**. Perfectly suited for speech and music reproduction in halls, clubs, churches, museums etc.

LINEA LIVE V

LX-601 with **PS-9 ACTIVE** sub forms the perfect combination for effective and powerful sound reinforcement in large and acoustically challenging venues. Note: separate DSP amplifier is necessary.

LINEA LIVE MINI

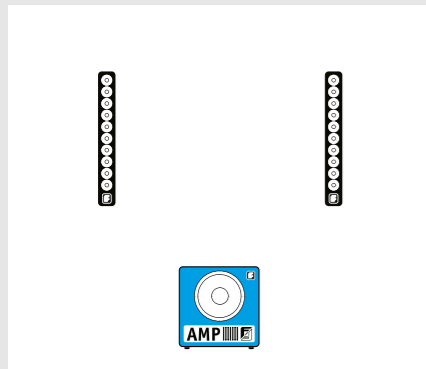
BASIC SYSTEM WITH LX-11



- 2 × LINEA LX-11
- 1 × X-SUB XS-10 ACTIVE
- 2 × mounting bracket VLX-11

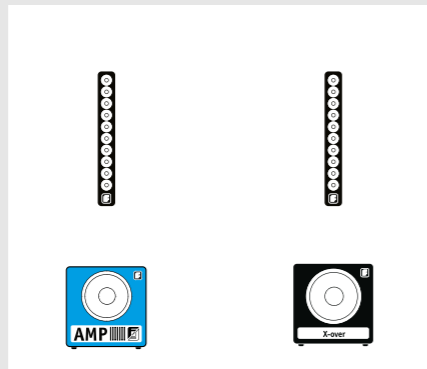
LINEA LIVE I

BASIC SYSTEM WITH LX-100



- 2 × LINEA LX-100
- 1 × X-SUB XS-10 ACTIVE
- 2 × joint stand adapter SA-6

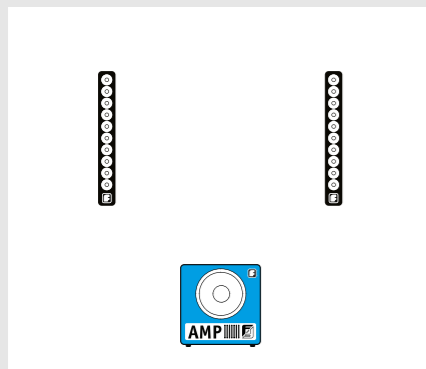
POWER SYSTEM WITH LX-100



- 2 × LINEA LX-100
- 1 × X-SUB XS-10 ACTIVE
- 1 × X-SUB XSP-10 SLAVE
- 2 × joint stand adapter SA-6

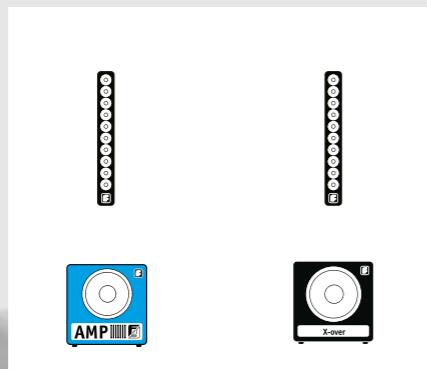
LINEA LIVE II

BASIC SYSTEM WITH LX-100



- 2 × LINEA LX-100
- 1 × X-SUB XS-22 ACTIVE
- 2 × joint stand adapter SA-6

POWER SYSTEM WITH LX-100

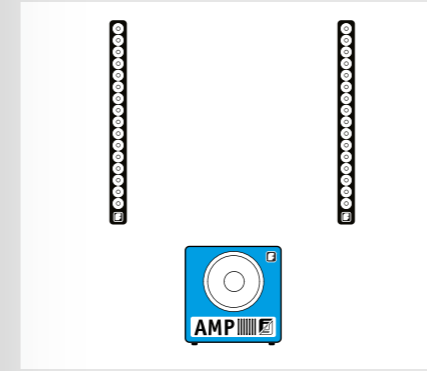


- 2 × LINEA LX-100
- 1 × X-SUB XS-22 ACTIVE
- 1 × X-SUB XSP-22 SLAVE
- 2 × joint stand adapter SA-6

LINEA LX-100 on XS-10 ACTIVE with DR-1 distance rod and SA-6 stand adapter

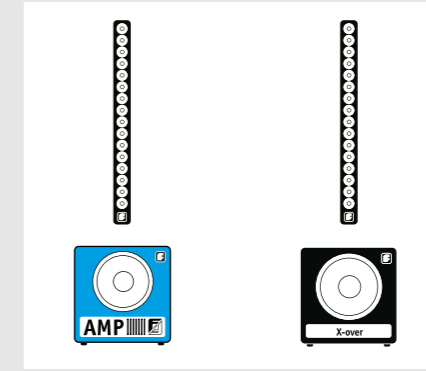
LINEA LIVE III

BASIC SYSTEM WITH LX-150



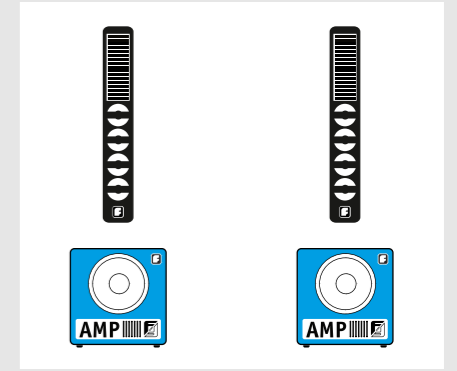
- 2 × LINEA LX-150
- 1 × X-SUB XS-30 ACTIVE
- 2 × joint stand adapter SA-6

POWER SYSTEM WITH LX-150



- 2 × LINEA LX-150
- 1 × X-SUB XS-30 ACTIVE
- 1 × X-SUB XSP-3 SLAVE
- 2 × joint stand adapter SA-6

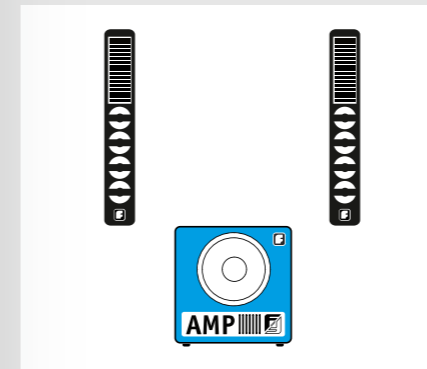
HIGH-POWER SYSTEM WITH LX-501



- 2 × LINEA LX-501
- 2 × X-SUB XS-30 ACTIVE
- 2 × stand adapter SA-8

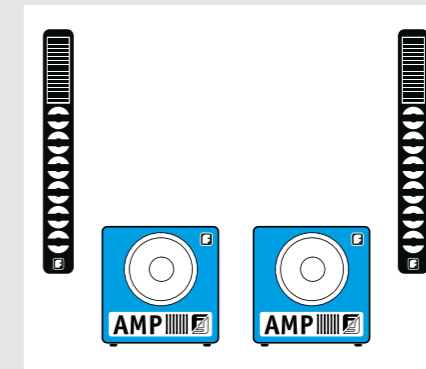
LINEA LIVE IV

BASIC SYSTEM WITH LX-501



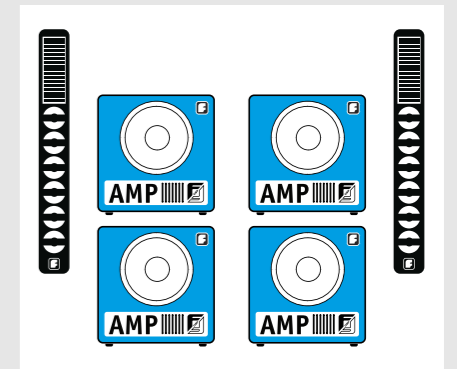
- 2 × LINEA LX-501
- 1 × X-SUB XS-4 ACTIVE
- 2 × stand adapter SA-8

POWER SYSTEM WITH LX-601



- 2 × LINEA LX-601
- 2 × X-SUB XS-4 ACTIVE
- 2 × stand adapter SA-8

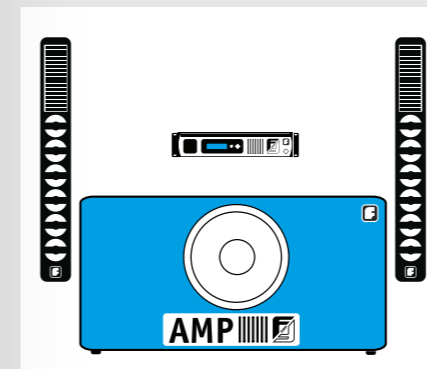
HIGH-POWER SYSTEM WITH LX-601



- 2 × LINEA LX-601
- 4 × X-SUB XS-4 ACTIVE
- 2 × stand adapter SA-8

LINEA LIVE V

POWER SYSTEM WITH LX-601



- 2 × LINEA LX-601
- 1 × AMP D-2.1500
- 1-2 × PERFORM-SUB PS-9 ACTIVE
- 2 × stand adapter SA-8



LX-150 on XS-30 ACTIVE with distance rod DR-1

LINEA FOCUS

FOHNN® BEAM STEERING TECHNOLOGY.



FOHNN® BEAM STEERING: SOUND REINFORCEMENT TECHNOLOGY OF THE FUTURE.

FOHNN®'s award-winning **FOCUS SERIES** has redefined the concept of sound reinforcement in complex acoustic environments. Equipped with state-of-the-art Beam Steering Technology, the Focus systems have been specially designed to offer intelligent, directional coverage of rooms with challenging acoustic conditions, in order to give the best possible results.

A FOHNN® Beam Steering system consists of a number of individual loudspeakers arranged in a column within a slim elegant housing (a loudspeaker array). Each speaker has its own amplifier and DSP channel, allowing it can be individually adjusted. Using a complex algorithm, both the vertical width and the inclination angle of the beam can be remotely controlled and individually adjusted to suit the acoustics of a particular venue. The FOHNN® Focus systems can be intuitively controlled in real time, via a single piece of software, with ultra-fine adjustment of

beam characteristics in increments of 0.1°. Such precision enables the beam to be precisely directed towards the listeners, unwanted effects, such as side lobes, are suppressed, creating excellent levels of speech intelligibility throughout – to mention just a few of the systems' many innovative features. Even in the most challenging acoustic conditions, the result is both clear and pleasant, not only for speech but also for music.

Offering over 10 different products in total, FOHNN®'s award-winning "Linea Focus" and "Focus Modular" Beam Steering systems cater for a large spectrum of acoustic settings and venue sizes, from conference rooms, cathedrals and concert halls to airports, exhibition halls and stadia. In 2015 the new Focus Venue will be added to the **FOCUS-SERIES**, which will open the door for Pro Audio Beam Steering at big concerts, festivals and music venues.



LINEA FOCUS LFI

FOR FIXED INSTALLATIONS

LFI-120 DIN EN 60849 (VDE 0828)

ACTIVE, ELECTRONICALLY STEERABLE LINE ARRAY

8 × 4", digital 8-channel DSP amplifier integrated, 8 separate DSP channels, digitally controlled (beam angle: 0° to 90°), vertical sound inclination angle, digitally controlled (-40° to +40°) horizontal sound dispersion: 110°, powder coated Aluminium housing, 8 kg, length 125 cm

OPTIONS: Powder coating to RAL

BRACKETS: wall bracket **WLF-1/2**, **WAL-1**

STAND MOUNTING: stand adapter **SA-9**, flying adapter **SA-10**

black 1302-E0000
white 1302-W0000

LFI-220 DIN EN 60849 (VDE 0828)

ACTIVE, ELECTRONICALLY STEERABLE LINE ARRAY

16 × 4", digital 16-channel DSP amplifier integrated, 16 separate DSP channels, digitally controlled (beam angle: 0° to 90°), vertical sound inclination angle, digitally controlled (-40° to +40°) horizontal sound dispersion: 110°, powder coated Aluminium housing, 15 kg, length 225 cm

OPTIONS: Powder coating to RAL

BRACKETS: wall bracket **WLF-1/2**, **WAL-1**

STAND MOUNTING: stand adapter **SA-9**, flying adapter **SA-10**

black 1304-E0000
white 1304-W0000

LFI-350 DIN EN 60849 (VDE 0828)

ACTIVE, ELECTRONICALLY STEERABLE LINE ARRAY

24 × 4", digital 24-channel DSP amplifier integrated, 24 separate DSP channels, digitally controlled (beam angle: 0° to 90°), vertical sound inclination angle, digitally controlled (-40° to +40°) horizontal sound dispersion: 110°, powder coated Aluminium housing, 25 kg, length 350 cm

OPTIONS: Powder coating to RAL

BRACKETS: wall bracket **WLF-1/2**

STAND MOUNTING: stand adapter **SA-9**, flying adapter **SA-10**

black 1305-E0000
white 1305-W0000

LFI-450 DIN EN 60849 (VDE 0828)

ACTIVE, ELECTRONICALLY STEERABLE LINE ARRAY

32 × 4", digital 32-channel DSP amplifier integrated, 32 separate DSP channels, digitally controlled (beam angle: 0° to 90°), vertical sound inclination angle, digitally controlled (-40° to +40°) horizontal sound dispersion: 110°, powder coated Aluminium housing, 32 kg, length 450 cm

OPTIONS: Powder coating to RAL

BRACKETS: wall bracket **WLF-1/2**

STAND MOUNTING: stand adapter **SA-9**, flying adapter **SA-10**

black 1306-E0000
white 1306-W0000

LINEA FOCUS LF

FOR MOBILE APPLICATIONS

LF-120

ACTIVE, ELECTRONICALLY STEERABLE LINE ARRAY

mobile version of **LFI-120**, 8 × 4", digital 8-channel DSP amplifier integrated, 8 separate DSP channels, digitally controlled (beam angle: 0° to 90°), vertical sound inclination angle, digitally controlled (-40° to +40°) horizontal sound dispersion: 110°, powder coated aluminium housing, 8 kg, length 125 cm

BRACKETS: wall bracket **WLF-1/2**

STAND MOUNTING: stand adapter **SA-9**, Flying adapter **SA-10**,

FREE STANDS IX / X / XI

black 1301-E0900
white 1301-W0900

LF-220

ACTIVE, ELECTRONICALLY STEERABLE LINE ARRAY

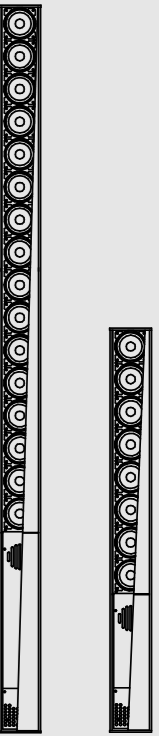
mobile version of **LFI-220**, 16 × 4", digital 16-channel DSP amplifier integrated, 16 separate DSP channels, digitally controlled (beam angle: 0° to 90°), vertical sound inclination angle, digitally controlled (-40° to +40°) horizontal sound dispersion: 110°, powder coated aluminium housing, 15 kg, length 225 cm

BRACKETS: wall bracket **WLF-1/2**

STAND MOUNTING: stand adapter **SA-9**, Flying adapter **SA-10**,

FREE STANDS IX / X / XI

black 1303-E0900
white 1303-W0900



Connection plate

1 × input/link: XLR m/f
1 × power: Powercon
2 × FOHNN®-NET

OPTIONS FOR LINEA FOCUS

OPTION POWDER COATING TO RAL

powder coating to RAL, also available for wall brackets

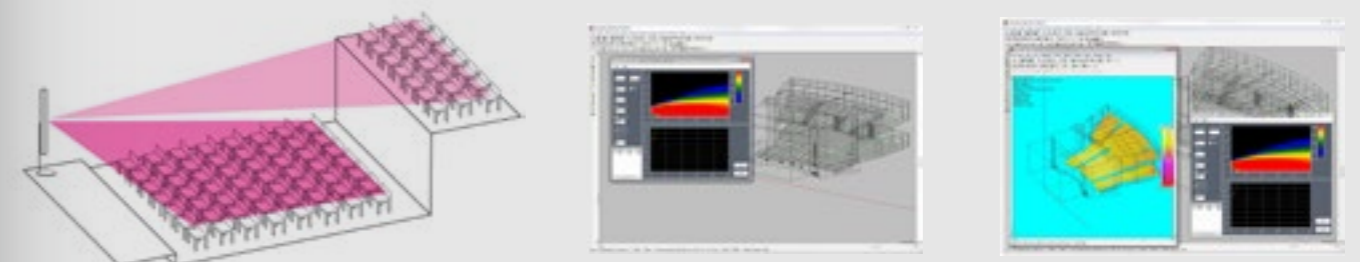
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CONFIGURATION

To configure the Linea Focus the **FOHNN®** Audio Soft (starting with version 3) is indispensable. For a PC connection the **FOHNN®-NET** Adaptor **NA-11** or **NA-3** is necessary.

ROOM AND ELECTRO-ACOUSTIC SIMULATIONS WITH EASE 4.0

For running room and electro-acoustic simulations with Linea Focus systems, we now offer a **FOHNN®** Audio Soft plug-in (DLL) for EASE.



TWO BEAM TECHNOLOGY enables the generation of two separate beams per speaker. Pit and balcony area can be sounded separately and very precisely.



LFI-120



LFI-220



LFI-450



LFI-350

BRACKETS FOR LINEA FOCUS



WAL-1

mounting bracket, set of 2, for LFI-120 / LFI-220

black 8 4 2 8 - B 0 0 0 0
white 8 4 2 8 - W 0 0 0 0



WLF-1

wall bracket short,
for LF-120 / LF-220 / LFI-120 / LFI-220 / LFI-350 / LFI-450

❗ to mount LFI-350 / LFI-450, two brackets are required

black 8 4 3 5 - B 0 0 0 0
white 8 4 3 5 - W 0 0 0 0



WLF-2

wall bracket long,
for LF-120 / LF-220 / LFI-120 / LFI-220 / LFI-350 / LFI-450

❗ to mount LFI-350 / LFI-450, two brackets are required

black 8 4 3 8 - B 0 0 0 0
white 8 4 3 8 - W 0 0 0 0



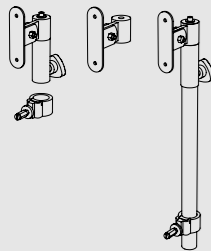
VAS-12 NEW

flying- and mounting bracket, set of 2, ball impact resistant,
for LFI-350, LFI-450

❗ two sets per subwoofer (=4 brackets) required

black 8 4 5 2 - B 0 0 0 0
white 8 4 5 2 - W 0 0 0 0

ACCESSORIES FOR LINEA FOCUS



SA-9

stand adapter Ø 36 mm, 2-piece, with separator,
for LFI-120 / LFI-220 / LF-120 / LF-220

black 8 2 2 0 - B 0 0 0 0

SA-10

adapter with through-bore for M10 screws (without stand adapter), for flown applications, e.g. with optional CLAMP LC-50 and TV SPIGOT with M10 female thread
for LFI-120 / LFI-220 LFI-350 / LFI-450 / LF-120 / LF-220

black 8 2 1 2 - B 0 0 0 0



CLAMP LC-50

traverse mounting of mounting brackets with TV-SPIGOT,
VLX-600 / SA-7 / SA-10

❗ TV SPIGOT required

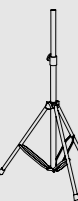
8 3 0 1 - 0 0 0 0 0



TV-SPIGOT

Ø 28 mm, with female thread M10, for CLAMP LC-50 / DH-1

8 0 1 1 - 0 0 0 0 0



STAND-1

speaker stand economy, for all products with stand adapter

black 8 2 0 1 - 0 0 0 0 0

STAND

with locking bolts

white 8 2 3 1 - W 0 0 0 0 0



DR-1

distance rod for satellite speakers, to connect subwoofers (with M20 flanged plate) with top speakers (stand adapter required), height: 905 mm - 1.4500 mm, tube end: Ø 35 mm

8 2 0 4 - B 0 0 0 0 0

FREE STAND

DESIGN STANDS FOR LINEA FOCUS

FOHNN® Free Stand design stands build the perfect basis to integrate Linea Focus LF systmes unobstrusively into any architectural setting. A big, demountable pedestal, a chic plinth or a FOHNN® subwoofer function as socket and provide the necessary foundation. All cables can be concealed within the stand itself. The base has a series of connection sockets, which are covered. This allows the cabling to remain "invisible".

- Perfect integration into any room architecture
- Elegant, unobtrusive design
- Sturdy, safe
- Quick assembly
- Excellent FOHNN® workmanship – „Made in Germany“
- Available in the same RAL colours as loudspeakers

FREE STAND IX

aluminum stand tube, L: 60 cm, for LF-120 / LF-220

black 8 2 3 0 - B 0 0 0 0 0
white 8 2 3 0 - W 0 0 0 0 0

FREE STAND X

aluminum stand tube, L: 125 cm, for LF-120 / LF-220

black 8 2 2 8 - B 0 0 0 0 0
white 8 2 2 8 - W 0 0 0 0 0

FREE STAND XI

aluminum stand tube, L: 225 cm, for LF-120 / LF-220

black 8 2 2 9 - B 0 0 0 0 0
white 8 2 2 9 - W 0 0 0 0 0

STAND LF-1

steel pedestal, demountable,
for FREE STAND IX / X / XI

black 8 2 2 5 - 0 0 0 0 0

STAND LF-2

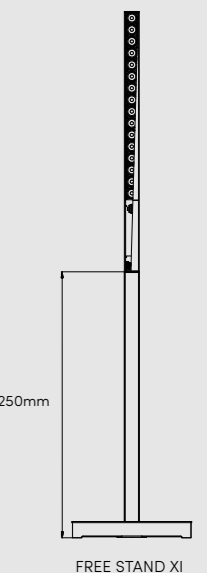
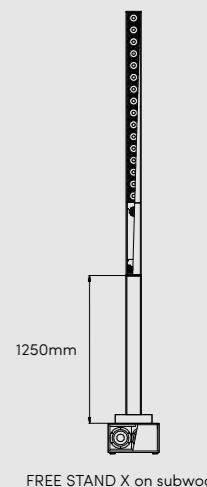
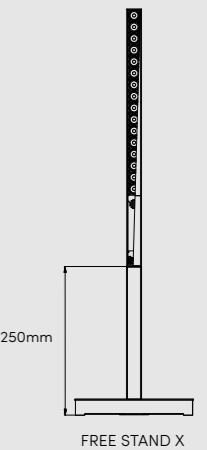
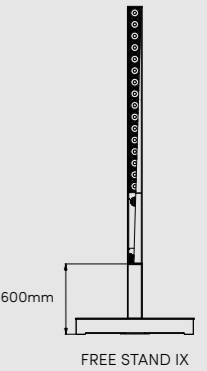
wooden pedestal,
for FREE STAND IX / X / XI

black 8 2 2 7 - B 0 0 0 0 0
white 8 2 2 7 - W 0 0 0 0 0

SUB ADAPTER LF-3

steel plate, with M20 screw and design cover, to mount
FREE STAND IX / X / XI on FOHNN® subwoofer

black 8 2 2 6 - B 0 0 0 0 0
white 8 2 2 6 - W 0 0 0 0 0

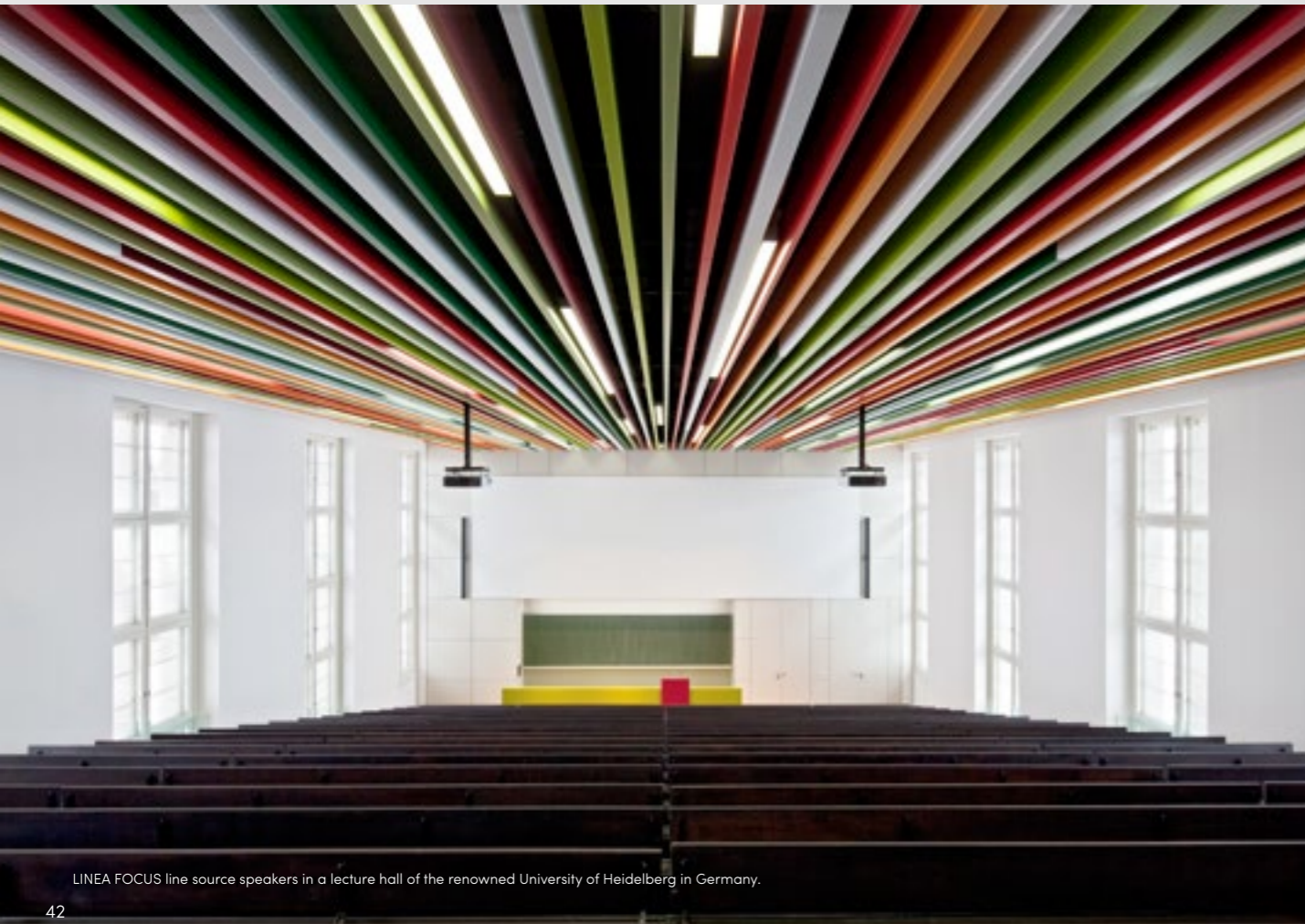


FOCUS MODULAR

FOHHN® BEAM STEERING TECHNOLOGY.



LINEA FOCUS LFI-120 / LFI-220 / LFI-350 / LFI-450



LINEA FOCUS line source speakers in a lecture hall of the renowned University of Heidelberg in Germany.

HIGH-PERFORMANCE BEAM STEERING TECHNOLOGY BY FOHHN®

FOCUS MODULAR takes **FOHHN®**'s current Beam Steering Technology to a whole new level through continued development. The systems have greater performance capability, better dynamics and more power than any other commercially available electronically steerable line source speaker system. Focus Modular guarantees excellent sound quality, highest sound pressure levels and incomparable beam steering precision. Focus Modular is the ideal sound reinforcement system for large conference facilities, theatres, cathedrals, concert halls, exhibition halls etc.

THE MAIN FACTS AT A GLANCE:

- High performance, high frequency modules with 1" compression drivers, Waveguide and horn (SPL max: 148 dB)
- High performance low-mid module (SPL max: 139 dB)
- Powerful, musical sound
- Real-time beam steering via intuitive software
- Ultra-fine adjustment of loudspeaker beams in 0.1° increments
- Vertical beam width 0°-90°
- Vertical sound inclination angle -40° to +40°
- Side Lobe Free Technology – suppresses side lobes
- Two Beam Technology – two separate beams per module
- Suitable for mobile and fixed installation applications
- Excellent speech intelligibility, even in reverberant acoustics
- Build into the wall for complete invisibility
- Can be combined and cascaded
- No mechanical curving
- Extremely compact, low weight
- Short set-up time
- Extremely long reach

FOCUS MODULAR

FOR FIXED INSTALLATIONS



FMI-100

HIGH PERFORMANCE, HIGH FREQUENCY MODULE WITH BEAM STEERING TECHNOLOGY

equipped with 8 neodymium 1" compression drivers with FOHNN® Waveguide/horn system. 8 state-of-the-art Class D amplifiers are also integrated, as well as a multi-channel DSP processor, fixed installation version with internal Phoenix terminals.

OPTIONS: special colour

BRACKETS: wall bracket **WFM-100**, Cardan Coupler **CC-300**

black 1309-P0000
white 1309-Q0000

FMI-110

HIGH PERFORMANCE, HIGH FREQUENCY MODULE WITH BEAM STEERING TECHNOLOGY

equipped with 16 neodymium 1" compression drivers with FOHNN® Waveguide/horn system. 16 state-of-the-art Class D amplifiers are also integrated, as well as a multi-channel DSP processor, fixed installation version with internal Phoenix terminals.

OPTIONS: special colour

BRACKETS: wall bracket **WFM-110**, Cardan Coupler **CC-300**

black 1310-P0000
white 1310-Q0000

FMI-400

HIGH PERFORMANCE, LOW-MID/FULL-RANGE MODULE WITH BEAM STEERING TECHNOLOGY

equipped with 32 specially developed, high performance neodymium loudspeakers. 16 state-of-the-art Class D amplifiers are also integrated, as well as a multi-channel DSP processor, fixed installation version with internal Phoenix terminals.

OPTIONS: special colour

BRACKETS: wall bracket **WFM-400**, Cardan Coupler **CC-300**

black 1307-P0000
white 1307-Q0000

FOCUS MODULAR

FOR MOBILE APPLICATIONS



FM-100

MOBILE VERSION OF FMI-100

technical specifications identical to **FMI-100**, Mobile version with two integrated handles on top and bottom, PU-coated wooden housing, connection sockets.

OPTIONS: special colour

BRACKETS: wall bracket **WFM-100**, Cardan Coupler **CC-300 + VFM-1**

black 1313-P0900

FM-110

MOBILE VERSION OF FMI-110

technical specifications identical to **FMI-110**, Mobile version with two integrated handles on top and bottom, PU-coated wooden housing, connection sockets.

OPTIONS: special colour

BRACKETS: wall bracket **WFM-110**, Cardan Coupler **CC-300 + VFM-1**

black 1314-P0900

FM-400

MOBILE VERSION OF FMI-400

technical specifications identical to **FMI-400**, Mobile version with two integrated handles on top and bottom, PU-coated wooden housing, connection sockets.

OPTIONS: special colour

BRACKETS: wall bracket **WFM-400**, Cardan Coupler **CC-300 + VFM-1**

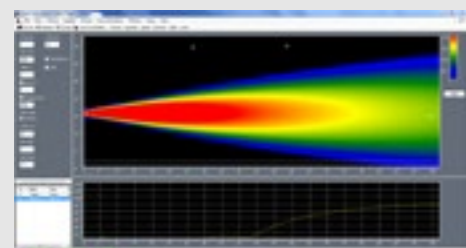
black 1311-P0900

OPTIONS FOR FOCUS MODULAR

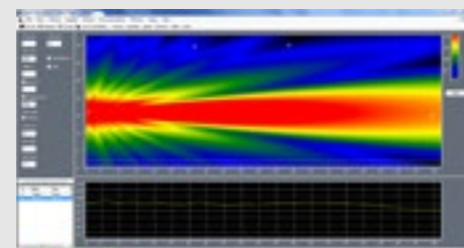
OPTION SPECIAL COLOUR

special colour to RAL, also available for wall brackets

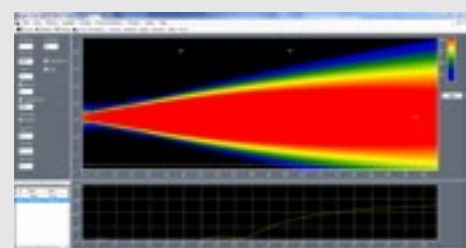
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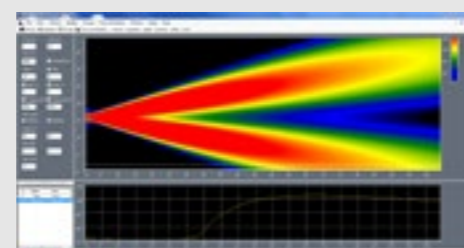
with Side Lobe Free Technology



without Side Lobe Free Technology



one beam



two beams

BRACKETS FOR FOCUS MODULAR

WFM-100

wall bracket, ball impact resistant, for **FM/FMI-100**

black 8441-B0000
white 8441-W0000

WFM-110

wall bracket, ball impact resistant, for **FM/FMI-110**

black 8442-B0000
white 8442-W0000

WFM-400

wall bracket, ball impact resistant, for **FM/FMI-400**

black 8443-B0000
white 8443-W0000

CC-300

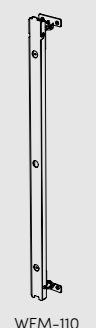
Cardan Coupler, SWL (Safe Working Load BGV C1) 300 kg for **FM/FMI-100 / FM/FMI-110 / FM/FMI-400** with **VFM-1**

black 8320-B0000

VFM-1

flying adapter, SWL (Safe Working Load BGV C1) 300 kg, for **FM-100 / FM-110 / FM-400 / FMI-100 / FMI-110 / FMI-400**

black 8444-B0000



WFM-110



VFM-1



CC-300

CASE FOCUS MODULAR

Flightcase for **FOCUS MODULAR** modules with separation to fit in 2 **FOCUS MODULAR** modules. Two caps, 4 x 80 mm wheels, 170 x 60 x 55 cm

8 1 5 6 - 0 0 0 0 0

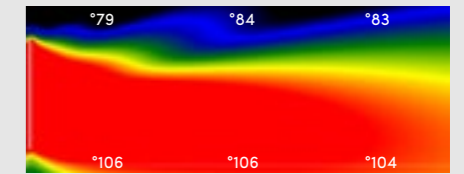


FOCUS SUB ARRAY

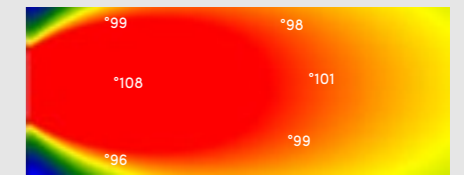
BEAM STEERING TECHNOLOGY FOR BASS-ARRAYS.

REMOTE CONTROL OF THE BASS FREQUENCY RANGE USING FOHNN® AUDIO SOFT

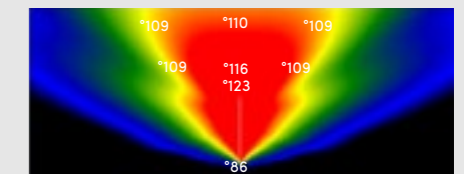
Combining multiple subwoofers to form bass arrays is a common practice in modern sound reinforcement. The technique enables subwoofer beam characteristics to be optimized and more precisely directed. However, the ability to control these beam characteristics in real time via software is completely new and unique. This is achieved using **FOHNN®** Audio Soft (from V. 3.4) in combination with **FOHNN®** DSP technology and **FOHNN®** subwoofers. For the user, there are tremendous advantages: Real-time control lets you see the directional characteristics of the beam via software simulation and hear the result at the same time. This ability to simultaneously see and hear what is going on enables effortless and accurate set-up and control of horizontal, vertical and endfired bass arrays.



VERTICAL BASS-ARRAY



HORIZONTAL BASS-ARRAY



ENDFIRED BASS-ARRAY

- Real-time beam steering in 0.1° increments
- Build horizontal, vertical or endfired bass arrays
- Even coverage of audience areas
- Reduction of troublesome room reflections
- Suppression of unwanted low frequency side lobes

FOCUS SUB ARRAY at a big company anniversary in the congress centre of KölnMesse in Cologne, Germany.



Combined Beam Steering power: Two FM-400 modules with one FM-110 module

FOHNN® AUDIO SOFT

ALWAYS KEEP TRACK.

Operation the easy way – every device with integrated **FOHNN®** Audio DSP can be intuitively controlled and monitored via laptop using **FOHNN®** Audio Software.

The clearly laid out GUI enables fast access to the integrated digital audio devices, sound presets and speaker database. Signal processing is done in real time!

Furthermore you also get a full overview of the operating status, temperature and service life. The laptop is connected to the Fohhn devices either via Fohhn USB adapter or **FOHNN®** Ethernet adapter so that existing ethernet networks can also be used on site. Up to 254 devices can thus be controlled and monitored safely from one central location.

FOHNN® AUDIO SOFT V4.0

NEW

The most important new features at a glance:

- Parallel communication across several Fohhn®-Net Adapters for increased speed
- Multiple optimizations for improved operation of several devices at any given time
- Only one software: The functions of Fohhn®-Net Remote Control Software, Fohhn® Firmware Update and Fohhn® Amplifier Setup have all been merged into Fohhn® Audio Soft.

FOHNN® Audio Soft 4 can communicate with several **FOHNN®-NET** adapters at a time, even with multiple **NA-11** and **NA-3** used simultaneously. A fairly simple application would for example be the use of two **NA-11**s instead of only one to control 20 **FOHNN®-NET** devices. Each **NA-11** would take care of only 10 devices (instead one taking care of 20) – the system response would be twice as fast!

Theoretically each device could even be connected over its own dedicated **NA-3**: **FOHNN®** Audio Soft can use up to 127 **NA-3**s, three **NA-11**s and one **NA-1** at the same time. And it is no longer necessary to reboot the system to switch **FOHNN®-NET** adapters.

DOWNLOAD FOHNN® AUDIO SOFT FOR FREE AT WWW.FOHNN.COM



X-SERIES

ACTIVE AND PASSIVE MOBILE LOUDSPEAKERS.



FOHNN® X-SERIES: VERSATILE ALL-ROUNDERS.

COMPACT AND LIGHTWEIGHT. EASY HANDLING. FLEXIBLE USE. MULTIPLE COMBINATIONS. FLOWN APPLICATIONS - SAFE AND FAST. HIGH QUALITY WORKMANSHIP.

The tops and subwoofers of the **FOHNN® X-SERIES** are characterized by their small size, light weight, high flexibility and superb sound quality. Both sound and range are excellent. The systems can be flexibly and efficiently used and combined: as full-range top, stage monitor or as part of **XPERIENCE** systems with active or passive subwoofers. You can operate all **X-TOPS** with any professional power amp, as we always integrate a sophisticated passive crossover with electronic tweeter pro-

tection. For maximum sound performance and optimum reliability we recommend our digital DSP amplifiers, for example **D-2750** and **D-2.1500**.

X-SERIES systems are optionally available with polyurethane coating and in all RAL colours. They are perfect for concerts, DJs, clubs, performers, sound reinforcement at festivals and any other event that requires a balanced, powerful sound, easy handling and quick setup.



FOHNN® MAINS CONTROL – THE INTEGRATED MAINS SUPPLY MONITORING SYSTEM.

During use, the supply to the amplifier is constantly monitored. If at any time it exceeds the maximum permitted range (180-255 VAC), the supply will be interrupted. During power up it also minimizes the input surge current by switching on at the mains Vage zero crossing.

X-TOPS

VERSATILE. SOLID. POWERFUL.



XT-33 ACTIVE

HIGH-POWER FULL-RANGE SYSTEM (NEODYMIUM)

12"/1" CD, 90° x 60°, with integral DSP-amplifier to connect a passive X-Top or Sub, 2 x 1000W / 8 ohms, FOHNN® Audio DSP, networkable/ remote control, monitor operation 55°, FOHNN® MAINS CONTROL

OPTIONS: PU coating, special version for fixed installations on request

BRACKETS: vertical bracket VXT-3

1605-D0900



XT-4 ACTIVE

HIGH-POWER FULL-RANGE SYSTEM (NEODYMIUM)

12"/1.4" CD, 80° x 50°, with integral DSP-amplifier to connect a passive X-Top or Sub, 2 x 1000W / 8 ohms, FOHNN® Audio DSP, networkable/ remote control, monitor operation 55°, FOHNN® MAINS CONTROL

OPTIONS: PU coating, special version for fixed installations on request

BRACKETS: vertical bracket VXT-3

1608-D0900



XT-5 ACTIVE

HIGH-POWER FULL-RANGE SYSTEM (NEODYMIUM)

15"/1.4" CD, 80° x 50°, with integral DSP-amplifier to connect a passive X-Top or Sub, 2 x 1000W / 8 ohms, FOHNN® Audio DSP, networkable/ remote control, monitor operation 45°, FOHNN® MAINS CONTROL

OPTIONS: PU coating, special version for fixed installations on request

BRACKETS: vertical bracket VXT-5

1610-D0900

X-TOP PASSIVE



XT-1

HIGH-POWER FULL-RANGE SYSTEM (NEODYMIUM)

6.5"/1" CD, 150W, 16 ohms, 90°x60°, monitor operation 45°, stand adapter, 7 kg

OPTIONS: PU coating

BRACKETS: vertical bracket VXT-1

1601-D00A0



XT-10

HIGH-POWER FULL-RANGE SYSTEM (NEODYMIUM)

8"/1" CD, 200W, 8 ohms, 90°x60°, monitor operation 55°, 9.5 kg

OPTIONS: PU coating

BRACKETS: vertical bracket VXT-10

1602-D0000



XT-22

HIGH-POWER FULL-RANGE SYSTEM (NEODYMIUM)

10"/1" CD, 300W, 8 ohms, 90°x60°, monitor operation 55°, 13 kg

OPTIONS: PU coating

BRACKETS: vertical bracket VXT-2

1604-D0000

XT-33

HIGH-POWER-FULL-RANGE-SYSTEM (NEODYMIUM)

12"/1" CD, 500W, 8 ohms, 90°x60°, monitor operation 55°, 19 kg

OPTIONS: PU coating

BRACKETS: vertical bracket VXT-3

1606-D0000

XT-4

HIGH-POWER-FULL-RANGE-SYSTEM (NEODYMIUM)

12"/1.4" CD, 500W, 8 ohms, 80°x50°, monitor operation 55°, 21 kg

OPTIONS: PU coating

BRACKETS: vertical bracket VXT-3

1609-D0000

XT-5

HIGH-POWER-FULL-RANGE-SYSTEM (NEODYMIUM)

15"/1.4" CD, 600W, 8 ohms, 80°x50°, monitor operation 45°, 27 kg

OPTIONS: PU coating

BRACKETS: vertical bracket VXT-5

1611-D0000

XT-6 NEW

FULLY HORN-LOADED, 2-WAY POINT SOURCE SYSTEM

for high pressure levels in compact dimensions, full-range, 2 x 10" / 1.4" CD, 600 W, neodymium driver, 4 ohms, 90° x 60°, resistant PU coating, Airline flying system, stand adapter

BRACKETS: vertical bracket VXT-6

1615-P0000

X-MONITOR PASSIVE

XM-4 MONITOR

HIGH-PERFORMANCE STAGE MONITOR (NEODYMIUM)

12"/1.4" CD, 500 W, 8 ohms, 80° x 60°, monitor angle 55° or 35°, PU-coated, scratch-proof, 23 kg

1614-00000

OPTIONS FOR X-TOPS

OPTION PU COATING

weatherproof, scratch-proof plastic coating with impregnated speaker membranes

-----P-----

BRACKETS AND ACCESSORIES

VXT-1

vertical bracket, with rubber rotation lock, for XT-1

🔧 stand adapter SA-4, Clamp-1 required (not included)

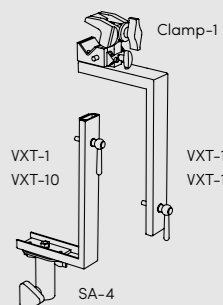
black 8422-09000

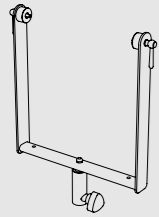
VXT-10

vertical bracket, with rubber rotation lock, for XT-10

🔧 stand adapter SA-4, Clamp-1 required (not included)

black 8423-09000





VXT-2

vertical bracket, with rubber rotation lock, for **XT-22**

black 8 4 2 4 - 0 7 0 0 0

VXT-3

vertical bracket, with rubber rotation lock, for **XT-33 / XT-4**

black 8 4 2 5 - 0 7 0 0 0

VXT-5

vertical bracket, with rubber rotation lock, for **XT-5**

black 8 4 2 6 - 0 7 0 0 0

VXT-6

vertical bracket, clamping bolt rotation lock, mounting with quick-release pins, for **XT-6**

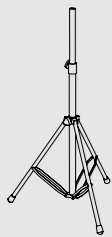
black 8 4 5 4 - B 8 0 0 0



NA-11 FOHNN®-NET USB INTERFACE

USB adapter, extendable with XLR microphone cable, aluminium housing, adapter cable included

6 1 1 5 - 0 0 0 0 0



STAND-1

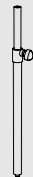
speaker stand economy, for all products with stand adapter

black 8 2 0 1 - 0 0 0 0 0

STAND

with locking bolts

white 8 2 3 1 - W 0 0 0 0



DR-1

distance rod for satellite speakers, to connect subwoofers (with M20 flanged plate) with top speakers (stand adapter required), height: 905 mm - 1.4500 mm, tube end: Ø 35 mm

black 8 2 0 4 - B 0 0 0 0

white 8 2 0 4 - W 0 0 0 0



TRANSPORT COVERS

CB-EASYPORT: carrying bag, padded, for **XT-1**

8 1 1 5 - 0 0 0 0 0

TC-XT-10: transport cover, padded, for **XT-10**

8 1 2 9 - 0 0 0 0 0

TC-XT-2: transport cover, padded, for **XT-22**

8 1 3 0 - 0 0 0 0 0

TC-XT-34: transport cover, padded, for **XT-33/4**

8 1 3 2 - 0 0 0 0 0

TC-XT-5: transport cover, padded, for **XT-5**

8 1 3 6 - 0 0 0 0 0

TC-XM-4: transport cover, padded, for **XM-4**

8 1 2 4 - 0 0 0 0 0

CB-STANDS: carrying bag for 2 x **STAND-1**

8 1 1 6 - 0 0 0 0 0

X-SUBS

COMPACT. DYNAMIC. STRONG.

XS-10 ACTIVE

COMPACT SELF-POWERED SUBWOOFER SYSTEM, VENTED DESIGN

neodymium, 2 x 6.5", 1000W, integral Class D digital amplifier and 2 x FOHNN® Audio DSPs, networkable, remote control, 15 kg, FOHNN® MAINS CONTROL

4 1 0 3 - D 0 9 0 0

OPTIONS: PU coating

XS-22 ACTIVE

COMPACT SELF-POWERED SUBWOOFER SYSTEM, VENTED DESIGN

1 x 12", 1500W, integral Class D digital amplifier and 2 x FOHNN® Audio DSPs, networkable, remote control, 25 kg, FOHNN® MAINS CONTROL

4 1 1 4 - D 0 0 9 0

OPTIONS: PU coating

XS-30 ACTIVE

COMPACT SELF-POWERED SUBWOOFER SYSTEM, VENTED DESIGN

neodymium, 1 x 15", 1500 W, integral Class D digital amplifier and 2 x FOHNN® Audio DSPs, networkable, remote control, wheels, 29 kg, FOHNN® MAINS CONTROL

4 1 0 9 - D 0 9 0 0

OPTIONS: PU coating

XS-4 ACTIVE

COMPACT SELF-POWERED SUBWOOFER SYSTEM (ATD ACOUSTIC DESIGN)

1 x 18", 1500W, integral Class D digital amplifier and 2 x FOHNN® Audio DSPs, networkable, remote control, protector with wheels, 39 kg, FOHNN® MAINS CONTROL

4 1 1 2 - D 0 9 0 0

OPTIONS: PU coating

X-SUB PASSIVE - WITH PASSIVE CROSSOVER

XSP-10 SLAVE SUB

COMPACT SUBWOOFER, VENTED DESIGN (NEODYMIUM)

2 x 6.5", 300W, 4 ohms, built-in passive mono crossover, 13 kg

4 1 0 4 - D 0 0 0 0

ⓘ To connect passive sub XSP-10 with XS-10 only use 4-core Speakon loudspeaker cable

OPTIONS: PU coating

XSP-22 SLAVE SUB

COMPACT SUBWOOFER, VENTED DESIGN (NEODYMIUM)

1 x 12", 500 W, 4 ohms, built-in passive mono crossover, 24 kg

4 1 1 5 - D 0 0 0 0

ⓘ To connect passive sub XSP-22 with XS-22 only use 4-core Speakon loudspeaker cable

OPTIONS: PU coating

XSP-3 SLAVE SUB

COMPACT HIGH PERFORMANCE SUBWOOFER (NEODYMIUM)

1 x 15", 700W, 8 ohms, built-in passive mono crossover, wheels, 28 kg

4 1 1 1 - D 0 0 0 0

ⓘ To connect passive sub XSP-3 with XS-30 only use 4-core Speakon loudspeaker cable

OPTIONS: PU coating

• Top active DSP-amplifier
2x 1000 W / 8 ohms

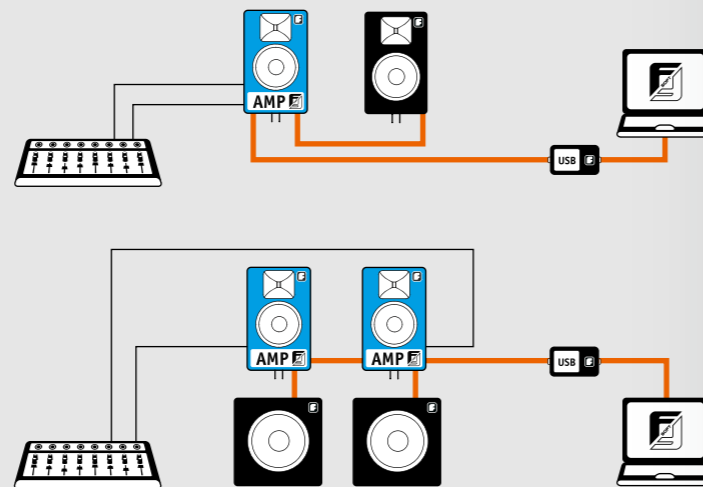
• FOHNN® Audio DSP
four-line display, blue EQ, Compressor/Limiter, Delay, Remote Control, Status display, Sound Presets

• ch1 + ch2 input + slave

• ch2 output to connect another passive Top or Sub

• Network ports for laptop connection

• Powercon mains ports



Application example for ACTIVE TOPs





X-SUB PASSIVE – WITHOUT CROSSOVER

XS-30 PASSIVE

COMPACT HIGH PERFORMANCE SUBWOOFER (NEODYMIUM)

vented design, 1 x 15" neodymium, 700W, 8 ohms, wheels, 28 kg

OPTIONS: PU coating

4 1 1 0 - D 0 0 0 0



XS-4 PASSIVE

HIGH-PERFORMANCE SUBWOOFER (NEODYMIUM)

1 x 18", 800W, 8 ohms, ATD Akustik-Design, for ground stacking, wheel board, 4 x Speakon, 38 kg

OPTIONS: PU coating

4 1 1 3 - D 0 0 0 0

OPTIONS FOR X-SUBS

OPTION PU COATING

Weatherproof, scratch-proof plastic coating with impregnated speaker membranes

-----P-----

ACCESSORIES X-SUBS



NA-11 FOHNN®-NET USB INTERFACE

USB adapter, extendable with XLR microphone cable, aluminium housing, adapter cable included

6 1 1 5 - 0 0 0 0 0

TD-XS-4 FRONT PROTECTOR

black, with butterfly lock, for XS-4

8 1 1 0 - 0 0 0 0 0



DR-1

distance rod for satellite speakers, to connect subwoofers (with M20 flanged plate) with top speakers (stand adapter required), height: 905 mm - 1.4500 mm, tube end: Ø 35 mm

❶ All X-Subs are equipped with a M20 flanged plate

black 8 2 0 4 - B 0 0 0 0

white 8 2 0 4 - W 0 0 0 0



TRANSPORT COVER

TC-XS-1: transport cover, padded, for XS-10/XSP-10

8 1 2 6 - 0 0 0 0 0

TC-XS-22: transport cover, padded, for XS-22/XSP-22

8 1 4 4 - 0 0 0 0 0

TC-XS-3: transport cover, padded, for XS-30/XSP-3

8 1 2 7 - 0 0 0 0 0

TC-XS-4: transport cover, padded, for XS-4

8 1 2 8 - 0 0 0 0 0



XPERIENCE-SERIES

COMPACT ACTIVE PA-SYSTEMS.



FOHNN® XPERIENCE - COMPACT PA-SYSTEMS.

X-SERIES ELEMENTS COMBINED TO POWERFUL MOBILE COMPACT PA-SYSTEMS.

XPERIENCE systems consist of lightweight **X-SUBS** active subwoofers with an integrated digital power amplifier, digital signal processors (**FOHNN®** Audio DSPs) and **X-SERIES X-TOPS**.

In principle all **FOHNN®** tops can be connected to the active basses. Perfectly adapted presets are stored for each speaker type at the factory. The unique feature of the **XPERIENCE** systems is that the user has direct access to the active system using a four-line display or a laptop. A fully parametric 2 x 10-band EQ, delay and dynamic processor allow the user to shape his own sound and perfectly adapt the system to the particular conditions of

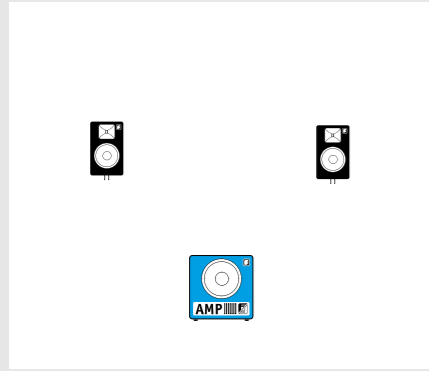
the venue. Additional active subwoofers can be networked and centrally controlled if needed. **FOHNN® AUDIO SOFT** software is provided to the user free of charge.

Below we have compiled several system recommendations for a wide variety of venues for you. The **XPERIENCE** systems can be freely expanded as needed: in general two or four passive **X-TOPS** can be connected to each active **X-SUB**.

The application possibilities are just as varied and include concerts, clubs, state celebrations, galas, festivals etc.

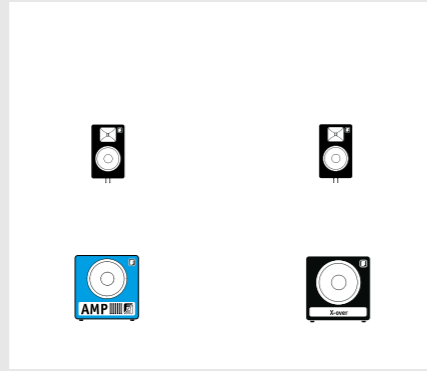
XPERIENCE I

BASIC SYSTEM WITH XT-10



2 × X-TOPS **XT-10**
1 × X-SUB **XS-10 ACTIVE**

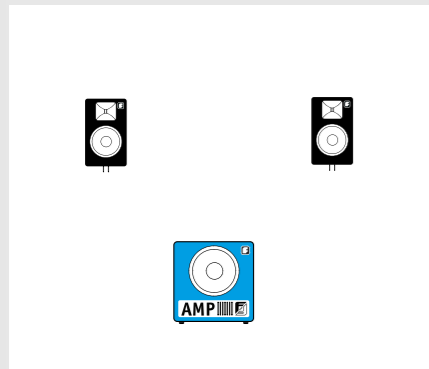
POWER SYSTEM WITH XT-10



2 × X-TOPS **XT-10**
1 × X-SUB **XS-10 ACTIVE**
1 × X-SUB **XSP-10 SLAVE SUB**

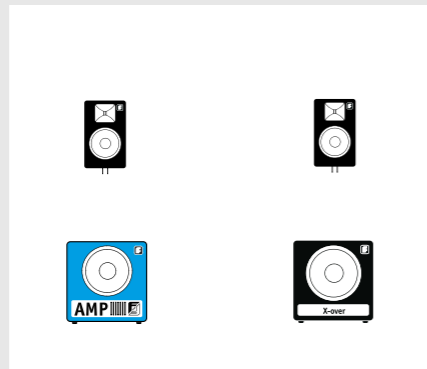
XPERIENCE II

BASIC SYSTEM WITH XT-22



2 × X-TOPS **XT-22**
1 × X-SUB **XS-22 ACTIVE**

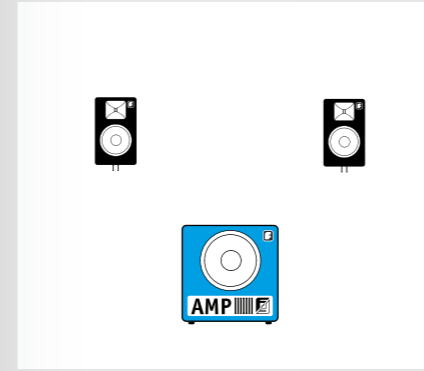
POWER SYSTEM WITH XT-22



2 × X-TOPS **XT-22**
1 × X-SUB **XS-22 ACTIVE**
1 × X-SUB **XSP-22 SLAVE SUB**

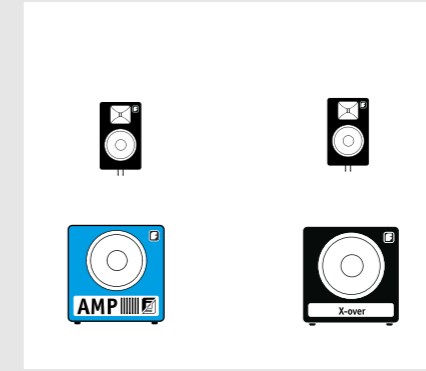
XPERIENCE III

BASIC SYSTEM WITH XT-22



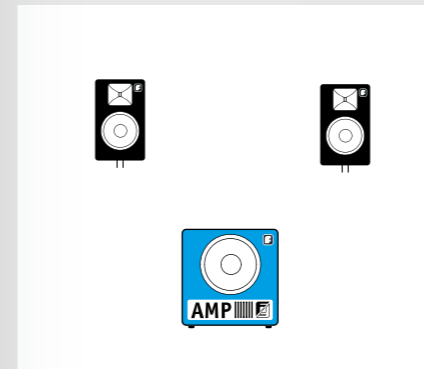
2 × X-TOPS **XT-22**
1 × X-SUB **XS-30 ACTIVE**

POWER SYSTEM WITH XT-22



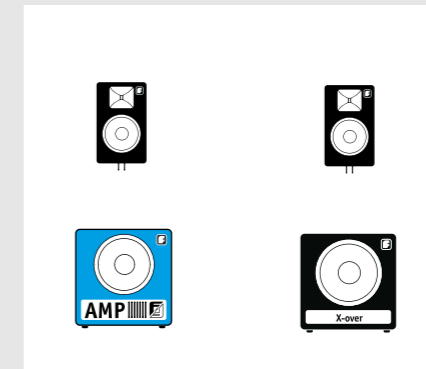
2 × X-TOPS **XT-22**
1 × X-SUB **XS-30 ACTIVE**
1 × X-SUB **XSP-3 SLAVE SUB**

BASIC SYSTEM WITH XT-33



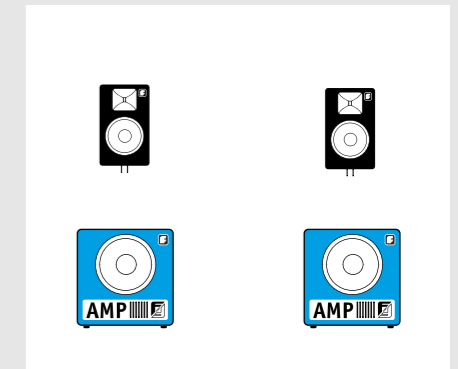
2 × X-TOPS **XT-33**
1 × X-SUB **XS-30 ACTIVE**

POWER SYSTEM WITH XT-33



2 × X-TOPS **XT-33**
1 × X-SUB **XS-30 ACTIVE**
1 × X-SUB **XSP-3 SLAVE SUB**

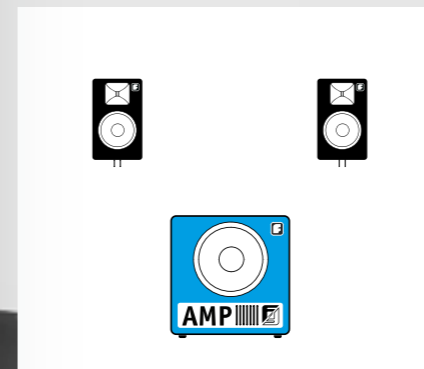
HIGH-POWER SYSTEM WITH XT-33



2 × X-TOPS **XT-33**
2 × X-SUB **XS-30 ACTIVE**

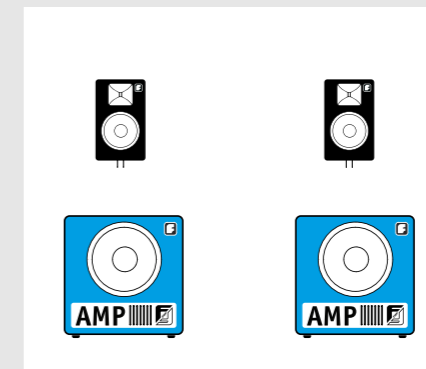
XPERIENCE IV

BASIC SYSTEM WITH XT-33



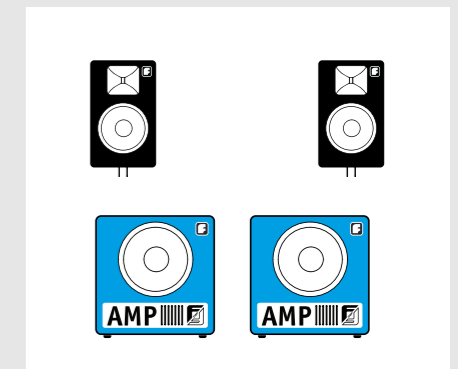
2 × X-TOPS **XT-33**
1 × X-SUB **XS-4 ACTIVE**

POWER SYSTEM WITH XT-4

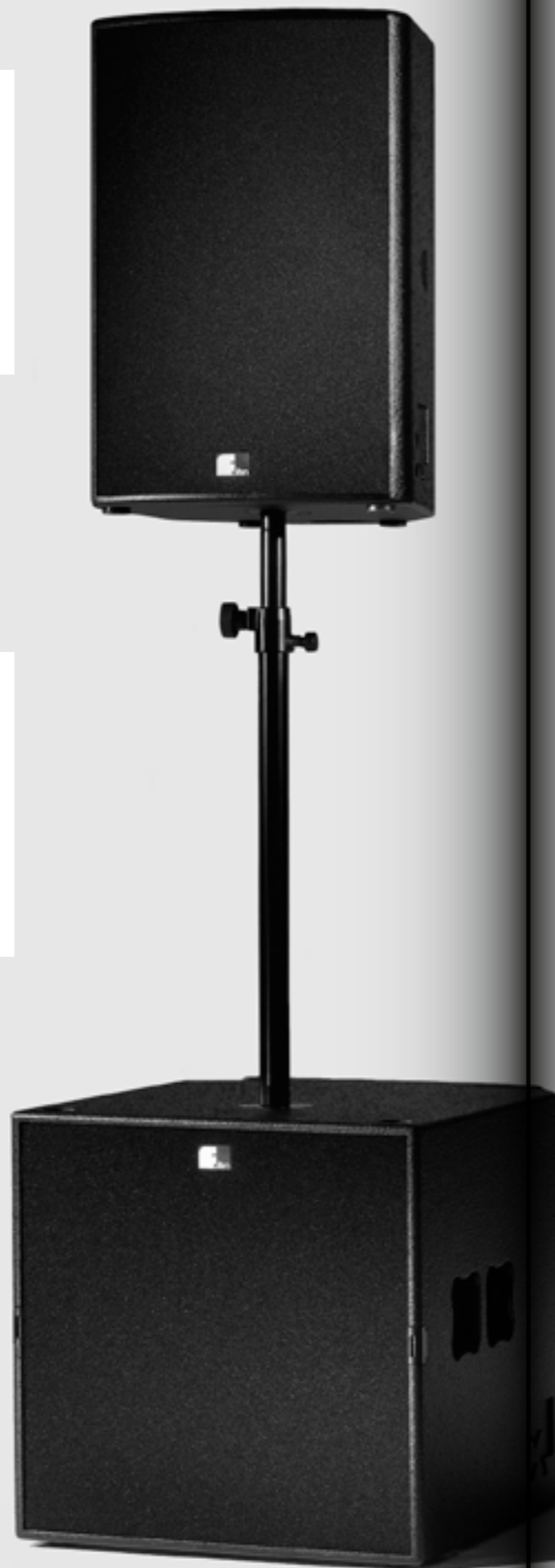


2 × X-TOPS **XT-4**
2 × X-SUB **XS-4 ACTIVE**

POWER SYSTEM WITH XT-5



2 × X-TOPS **XT-5**
2 × X-SUB **XS-4 ACTIVE**



XT-33 on XS-4 ACTIVE with distance rod DR-1



PERFORM-SERIES

CLASSIC LINE-ARRAY SYSTEMS.



PERFORM: CLASSIC LINE-ARRAY ELEMENTS AND POWERFUL SUBWOOFER-TECHNOLOGY.

The classic line array elements of the **FOHNN® PERFORM-SERIES** consist of the **WAVELINE LINE-ARRAY** Elements and powerful **WAVELINE SUBs**. From these components classic line arrays can be assembled for use at festivals, concerts, sports events, clubs, open air concerts and even in demanding fixed installations.

The **PERFORM-SERIES** is supplemented by the **PT-6** system, a compact plug & play system using line array technology, and the high performance **PS-9 ACTIVE** subwoofer with 8.5 kW (peak) amplifier power.

PERFORM SUB

PS-9 ACTIVE

The 21" high-powered subwoofer, with its constantly controlled speaker system and 8.5 kW (peak) amplifier power, has redefined the whole concept of bass sound. For easy transportation, the **PS-9 ACTIVE** is supplied with a sturdy trolley on 80 mm wheels. Innovative SmartLock Locking System. The housing is made of birch plywood, which is waterproof, slotted, glued and double-screwed. A scratch-resistant PU-coating has also been applied to help withstand the everyday rigours of touring. Eight ergonomic handles. Weight 104 kg. Integral Class D digital amplifier and 2 x **FOHNN**® Audio DSPs, networkable / remote control. **FOHNN**® **MAINS CONTROL**.

4 2 0 4 - 0 0 9 0 0



PCT Patent N°: WO-2008-018099
PCT Patent N°: PCT/IT98/00031
U.S. patent N°: US 6,281,767 B1

ACCESSORIES FOR PS-9

TC-PS-9 TRANSPORT COVER
padded transportcover for **PS-9 ACTIVE**

8 1 3 7 - 0 0 0 0 0

TD-PS-9 FRONT PROTECTOR
front protector with butterfly lock, for **PS-9** active

8 1 0 9 - 0 0 0 0 0

DR-1

distance rod for satellite speakers; to connect subwoofers (with M20 flanged plate) with top speakers (stand adapter required), height: 905 mm - 1.4500 mm, tube end: Ø 35 mm
❶ **PS-9 ACTIVE** is equipped with a M20 flanged plate

black 8 2 0 4 - B 0 0 0 0
white 8 2 0 4 - W 0 0 0 0

PLUG&PLAY LINE-ARRAY

PT-6

COMPACT, HIGH-PERFORMANCE LINE ARRAY UNIT

6 x 6.5" neodymium and 3 x 1.4" neodymium compression drivers with HF phase EQ. Twin coaxial speaker construction, 39kg, two-way active/ bi-amp modes

black 1 5 0 5 - P 0 0 0 0
white 1 5 0 5 - H 0 0 0 0

❶ AN ESSENTIAL SYSTEM AMPLIFIER: The **PT-6**'s Bi-Amping mode has been exclusively geared towards using the loudspeaker with the 4-channel **D-4.1200** DSP amplifier. This ensures the best possible sound performance, maximum operating reliability and simple plug-and-play connection. Two **PT-6** tops can be used with one **D-4.1200**.

ACCESSORIES FOR PT-6

VPT-6

vertical bracket, clamping bolt rotation lock, ball impact resistant, for **PT-6**

black 8 3 1 5 - B 0 0 0 0
white 8 3 1 5 - W 0 0 0 0

APT-20

adapter M20 / M12 with M20 thread, for mounting the **VPT-6** on a subwoofer

black 8 3 1 6 - 0 0 0 0 0

WAVELINE LINE-ARRAY

WAVELINE LINE-ARRAY PT-8

VERY COMPACT AND POWERFUL LINE ARRAY MODULE

twin-coaxial, fully horn-loaded, 2 x 6.5" neodymium, 1 x 1.4" neodymium driver with HF phase EQ. Impedance: LMF 16 ohms, HF 16 ohms, 14.5 kg

1 5 0 2 - 0 0 0 0 0

WAVELINE SUB PS-2

The **FOHNN**® **PS-2** is a high power subwoofer system, 1400W, 8 ohms, equipped with a 12" high performance sub low loudspeaker, equipped with a 4" voice coil and an extremely heavy-duty neodymium engine. It can be used to supplement the LF headroom of the **PT-8** elements. Weight: 22 kg.

4 2 0 1 - 0 0 0 0 0

ACCESSORIES FOR PT-8 / PS-2

FLYING-CRADLE PT-8

cradle, according to BGV C1 for **PERFORM WAVELINE**, galvanised and powder-coated, 6.6 kg, for **PT-8**

black 8 3 0 4 - 0 0 0 0 0

STACKING-CRADLE PT-8

cradle, according to BGV C1 for **PERFORM WAVELINE**, galvanised and powder-coated, for **PT-8**

black 8 3 1 0 - 0 0 0 0 0

TRANSPORTCASES

C-3PT-8: transport case, wheels, for 3 x **PT-8 WAVELINE** module

8 1 2 1 - 0 0 0 0 0

C-PT-8FL: transport case, wheels, for **FLYING-CRADLE PT-8**

8 1 0 3 - 0 0 0 0 0

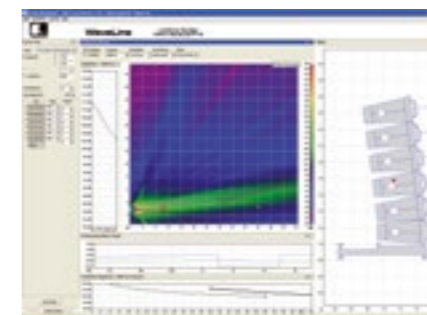
C-PT-8ST: transport case, wheels, for **STACKING-CRADLE PT-8**

8 1 0 5 - 0 0 0 0 0

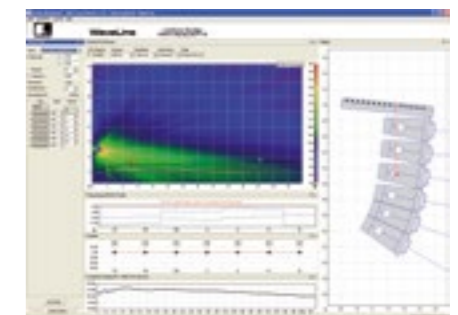
❶ SIMULATION SOFTWARE EASE FOCUS

For simulating and calculating of acoustical configurations **FOHNN**® provides the **EASE** Focus Aiming Software from SDA (Software Design Ahnert GmbH). The **EASE FOCUS** Aiming Software is a two-dimensional acoustic simulation software that serves for the configuration and modelling of Line Arrays close to reality.

EASE FOCUS and the specific product file (Fohhn-WaveLine.efo) together with **FOHNN**®'s Flying Calculator are available as free downloads at WWW.FOHNN.COM.



Ground stacking application



Flying application



WAVELINE LINE-ARRAY PT-9

HIGH OUTPUT LINE ARRAY MODULE

2-way twin-coaxial, fully horn-loaded 2 x 10" neodymium, 3" coil, 1 x 2" neodymium driver with HF phase EQ, Impedance: 8 ohms, 49 kg

1 503-00000

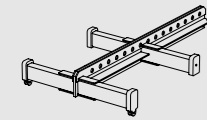


WAVELINE SUB PS-4

The FOHNN® PS-4 is a high power subwoofer system, 3000W, 8 ohms, equipped with a 18" high performance sub low loudspeaker, equipped with a 4" voice coil and an extremely heavy-duty neodymium engine. It can be used to supplement the LF headroom of the PT-9 elements. Weight: 61.5 kg.

4 205-00000

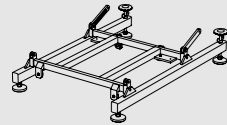
ACCESSORIES FOR PT-9 / PS-4



FLYING-CRADLE PT-9

cradle according to BGV C1 for PERFORM WAVELINE, galvanised and powder-coated, for PT-9

black 8 305-00000



STACKING-CRADLE PT-9

cradle according to BGV C1 for PERFORM WAVELINE, galvanised and powder-coated, for PT-9

black 8 311-00000

TRANSPORT CASES

C-3PT-9: transport case, wheels, for 3 x PT-9 WAVELINE module

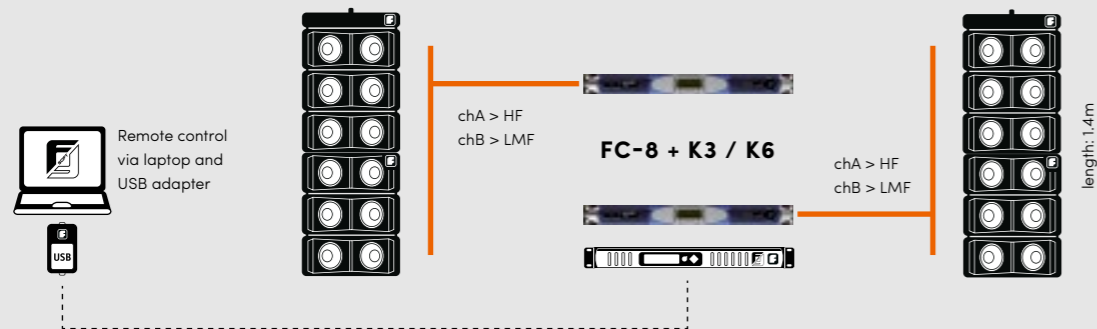
8 122-00000

C-PT-9FL: transport case, wheels, for FLYING-CRADLE PT-9

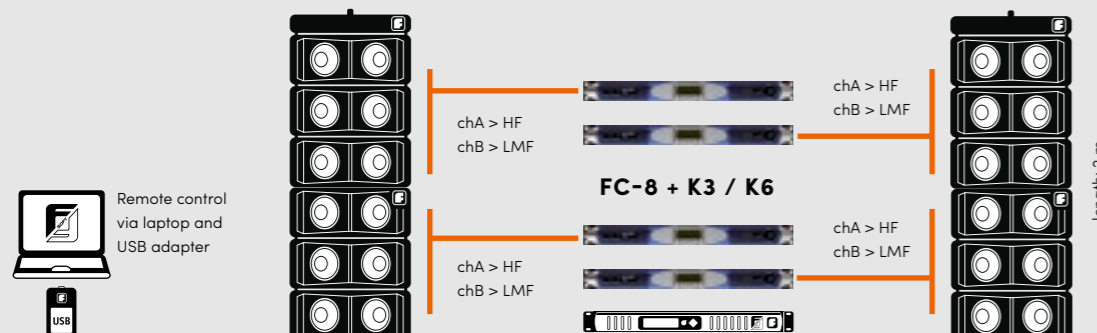
8 104-00000

C-PT-9ST: transport case, wheels, for STACKING-CRADLE PT-9

8 106-00000



Amping with 12 elements PT-8



Amping with 12 elements PT-9

AMP CONTROLLER-SERIES

DSP AMPLIFIERS + DSP CONTROLLERS



DSP AMPLIFIERS AND DSP SYSTEM CONTROLLER

A PERFECT SOLUTION FOR DEMANDING FIXED INSTALLATIONS AND MOBILE APPLICATIONS. OPTIONAL REMOTE CONTROL. MONITORING FUNCTION. NETWORK-COMPATIBLE.

DSP AMPLIFIERS AND DSP SYSTEM CONTROLLER

A perfect solution for demanding fixed installations and mobile applications. Optional remote control. Monitoring function. Network-compatible.

STATE-OF-THE-ART AMPLIFIER TECHNOLOGY.

Our active speaker systems and external 19" amplifiers are equipped with state-of-the-art CLASS D technology and were developed to meet the most demanding requirements for audio quality and reliability in fixed installations and mobile applications.

The main advantages of the CLASS D amplifiers are: the low weight and compact dimensions, outstanding sound quality and a high degree of efficiency that minimises heat development inside the amplifiers considerably compared to conventional analogue amplifiers. The amplifiers require minimal cooling and always operate reliably as a result.

FC-8 and **FC-9** DSP system controller. Automatic calibration function and integrated speaker management system provide maximum protection for amplifiers and speakers.

DSP AMPLIFIERS

D-2.750

2-CHANNEL DSP AMPLIFIER

Class D, 2 × 750 W / 4 ohms, 2 × 390 W / 8 ohms, **FOHNN®** Audio DSP, display, remote control, 10.2 kg, 2 HE, **FOHNN® MAINS CONTROL**

6 001-00900

D-2.1500

2-CHANNEL DSP AMPLIFIER

Class D, 2 × 1500 W / 4 ohms, 2 × 900 W / 8 ohms, **FOHNN®** Audio DSP, display, remote control, 10.5 kg, 2 HE, **FOHNN® MAINS CONTROL**

6 003-00900

D-4.750

4-CHANNEL DSP AMPLIFIER

Class D, 4+2 channel operation, 4 × 750 W / 4 ohms, 4 × 390 W / 8 ohms, 2 × DSP line out channels for controlling a conventional amplifier, **FOHNN®** Audio DSP, display, remote control, 11.6 kg, 2 HE, **FOHNN® MAINS CONTROL**

6 002-00900

D-4.1200

4-CHANNEL DSP AMPLIFIER

Class D, 4 × 1200 W / 4 ohms, 4 × 750 W / 8 ohms 2 × DSP 2 × DSP line out channels for controlling a conventional amplifier, **FOHNN®** Audio DSP, display, remote control, 11.8 kg, 2 HE, **FOHNN® MAINS CONTROL**

6 005-00900

BITTNER
AUDIO

BITTNER ENDSTUFEN

In addition to our special **FOHNN®** DSP amplifiers, we also offer the complete range of amplifiers manufactured by **BITTNER AUDIO** for low-ohm or 100 V applications. Bittner Audio offers solutions such as multichannel amplifiers with eight standard channels and important features for integration in electroacoustic emergency warning systems according to DIN EN 60849 (VDE 0828).

Powersoft

POWERSOFT K3 / K6

In addition to our special **FOHNN®** DSP amplifiers we offer **POWERSOFT K3** and **K6** high performance amplifiers together with the **FOHNN® FC-8** system controller for use with **WAVELINE** systems.



FOHNN® MAINS CONTROL – THE INTEGRATED MAINS SUPPLY MONITORING SYSTEM.

During use, the supply to the amplifier is constantly monitored. If at any time it exceeds the maximum permitted range (180-255 VAC), the supply will be interrupted. During power up it also minimizes the input surge current by switching on at the mains Vage zero crossing.



D-2.750



D-4.1200

DSP-CONTROLLERS

FC-8

DSP SYSTEM CONTROLLER (4 IN / 6 OUT)

Digital DSP system controller with four inputs and six outputs. 19"/1U designer housing. Automatic calibration function for all connected amplifiers (computer-aided setup) guarantees maximum protection for both amplifiers and speakers. Remote operation and monitoring via laptop, handheld device, 8-button wall panel or 19" control devices available. Network-compatible. Integrated **FOHNN®** Audio DSP for each amplifier channel with 2 × 10 Band parametric EQ, delay, variable high/low-pass filter, dynamic processor with noise gate, 180° phase reversal and status display for monitoring the temperature and operating time. Integrated speaker management system with default presets for all **FOHNN®** speakers. Ideal for mobile applications and fixed installations.

6 106-00900



FC-9

DSP SYSTEM CONTROLLER (4 IN / 6 OUT)

DSP system controller especially for fix installations, 4in/6out, Phoenix connectors, 8 make contacts for accessing presets, 1HE, remote control, Automatic calibration function for all connected amplifiers (computer aided setup) maximum protection for both amplifiers and speakers, remote control, integrated **FOHNN®** Audio DSP for each amplifier channel. **FOHNN®** Audio Soft and **NA-11** required

6 107-00900



AUDIO INTERFACES

A-1 LIVE

FOHNN® AUDIO INTERFACE

The **A-1 LIVE** is a high-quality, two-channel USB audio interface with balanced XLR outputs and a galvanically isolated USB connection.

6 403-00000



A-2 LIVE

FOHNN® AUDIO INTERFACE

The **A-2 LIVE** is a high-quality, two-channel USB audio interface with galvanically isolated AES/EBU digital audio output as XLR connection.

6 405-00000



FC-8



FC-9

NET REMOTE-SERIES

THE INTUITIVE OPERATING CONCEPT.



EVERYTHING UNDER CONTROL: FIVE USER-FRIENDLY OPTIONS FOR CONTROLLING AND MONITORING YOUR FOHNN® AUDIO SYSTEM REMOTELY.

THE INTUITIVE FOHNN® OPERATING CONCEPT INCORPORATES CABLE CONNECTED AND WIRELESS REMOTE CONTROL OPTIONS FOR FIXED AND MOBILE FOHNN® SOUND SYSTEMS.

The remote control devices are extremely user-friendly and give the user complete control over the audio system from a central location. Individual devices and entire systems can be operated synchronously from one of several devices, opening up a whole range of different application possibilities.

All FOHNN® active speaker systems, DSP amplifiers and DSP controllers are equipped with two FOHNN®-NET network interfaces as standard, which can be used to monitor and remotely operate each individual device.

If you are using several FOHNN® devices, you can easily interlink and monitor or remotely operate them from a central location. The FOHNN®-NET system is nothing more than a control network, no audio data is transferred, only control data. FOHNN®-NET can operate a maximum of 254 devices simultaneously via cable at distances of up to 1800 m. At live events, you can use any available microphone cable or your multicore and for fixed installations, you can use conventional telephone or network cables. Bus or star networks are also an option here. A circular cabling arrangement will achieve additional redundancy and ensure that the star network will function correctly if interrupted at any point. The FOHNN®-NET was designed in line with established industrial standards and is very reliable due to a stable transfer protocol and permanent monitoring (continuous feedback during data transfer).



NA-11

FOHNN®-NET USB INTERFACE

USB adapter, extendable with XLR microphone cable, aluminium housing, adapter cable included

6 1 1 5 - 0 0 0 0 0



NA-3

FOHNN®-NET ETHERNET ADAPTER

Ethernet adapter for local Ethernet network, extendable with XLR microphone cable, aluminium housing, adapter cable and power adapter included

6 1 0 4 - 0 0 0 0 0

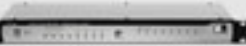


FR-10

FOHNN®-NET REMOTE

eight programmable buttons can be configured to control the overall volume of a system, the volume in different zones or presets for different room effects, for example. The system also has a special function that confirms whether all commands have been executed successfully. The buttons indicate this by changing red or green shortly after they are pressed. The wall panel is easy to configure with the intuitive **FOHNN®-NET** Remote Control Software. Power adapter **FRP-10** included.

6 1 0 8 - 0 0 0 0 0



FR-20

FOHNN®-NET REMOTE

FR-20 is a 19" remote control device with 1U. You can connect up to eight custom push button switches or switches to change presets, volume, mute, routing or standby in multiple **FOHNN®-NET** devices like controllers, amplifiers or active speakers. The **FR-20** includes a **FOHNN®-NET** USB interface for a direct connection of a computer with a USB cable. **FR-20** is easy to configure with **FOHNN®-NET** remote control software.

6 1 1 1 - 0 0 9 0 0

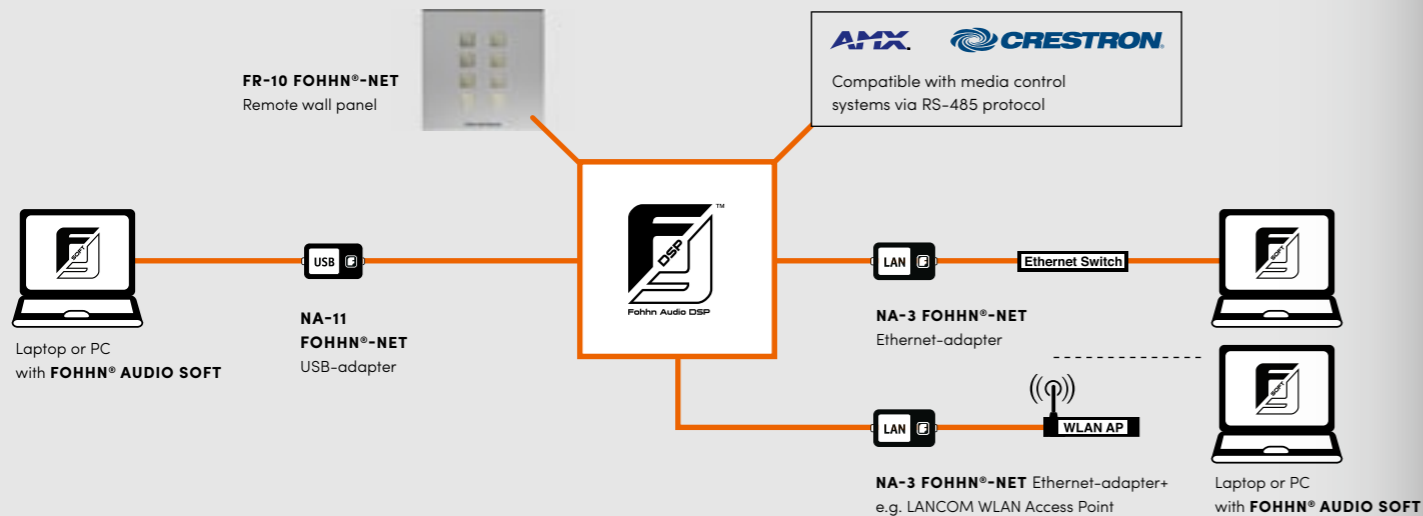


FOHNN® AUDIO SOFT v 4.0 NEW

ONE SOFTWARE TO CONTROL ALL PROCESSES. COMPATIBLE WITH ALL FOHNN® DSP PRODUCTS.

Control and monitoring of all **FOHNN®** DSP amplifiers, DSP controllers and active sound reinforcement systems. In real time. Individually or in a network. Beam Steering in real time for Linea Focus, Focus Modular und Focus Sub-Arrays. Clearly laid out GUI. Connection between laptop and **FOHNN®** devices either via **FOHNN®** USB adapter or **FOHNN®** Ethernet adapter. All settings can be saved as presets. Up to 254 devices can be networked and controlled remotely.

FREE DOWNLOAD OF FOHNN® AUDIO SOFT AT: WWW.FOHNN.COM



VOICE ALARM-SERIES

EN 54-24 CERTIFIED LINE SOURCE SPEAKERS.



VOICE ALARM-SERIES.

LINE SOURCE SPEAKERS FOR VOICE ALARM SYSTEMS.

THE LEN LINE SOURCE SPEAKER SPOTLIGHTS (CERTIFIED ACCORDING TO EN 54-24)

With the LEN line source speakers **FOHNN®** releases a well-designed and sophisticated series of EN 54-24 certified line source speakers to the market. Designed for the use in voice alarm systems (VAS) they impress with excellent speech intelligibility, high SPL and very even dispersion. Compared with other commercially available line source speakers, LEN speakers are equipped (from model **LEN-60** onwards) with a whole range of technologies developed by **FOHNN®**. An innovative wave shaping system (**FOHNN®** Source Division Waveguide), a multi-zone crossover and a special arrangement of the individual chassis allow for a very coherent vertical dispersion and increased sound pressure levels, while minimizing side lobes (unwanted sideways dispersion). This results in a significant improvement in speech intelligibility (STI) and greater coverage.

Weatherproof without any additional protection (Protection Degree IEC529/EN60529: IP54), these speakers are suitable for indoor and outdoor applications. Additional features include: 100V transformer integrated as standard, 60W to 240W depending on model; terminal connection box, 2 x 4 pin, up to 4mm², with loop-through (daisy chaining); extruded aluminum housing with steel reinforcements; front grille made of galvanized sheet steel, powder coated; optional availability in all RAL colours. The systems are ideally suited for sound reinforcement applications in acoustically challenging spaces with long reverberation times such as railway stations, airports, auditoriums, conference rooms etc. This system is available in five different models with lengths ranging from 20cm to 220cm: **LEN-20, LEN-60, LEN-100, LEN-150 and LEN-220.**

LINEA LEN

LINE SOURCE SPEAKERS FOR VOICE ALARM.

LEN-20 NEW EN 54-24

COMPACT 100V SPEAKERS FOR VOICE ALARM

weatherproof rating IP54, 2 x 4" coated cone speakers with maximum efficiency, Side lobe suppression through mounted waveguides, dimensions (H x W x D): 23.5cm x 13cm x 12cm, aluminum housing, terminal connections up to 4mm²

coming soon ...

LEN-60 NEW EN 54-24

COMPACT 100V SPEAKERS FOR VOICE ALARM

weatherproof rating IP54, 6 x 4" coated cone speakers with maximum efficiency, Side lobe suppression through mounted waveguides, passive filters for directivity linearization, dimensions (H x W x D): 64cm x 13cm x 12cm, aluminum housing, terminal connections up to 4mm²

coming soon ...

LEN-100 NEW EN 54-24

COMPACT 100V SPEAKERS FOR VOICE ALARM

weatherproof rating IP54, 8 x 4" coated cone speakers with maximum efficiency, Side lobe suppression through mounted waveguides, passive filters for directivity linearization, dimensions (H x W x D): 99cm x 13cm x 12cm, aluminum housing, terminal connections up to 4mm²

coming soon ...

LEN-150 NEW EN 54-24

COMPACT 100V SPEAKERS FOR VOICE ALARM

weatherproof rating IP54, 12 x 4" coated cone speakers with maximum efficiency, Side lobe suppression through mounted waveguides, passive filters for directivity linearization, dimensions (H x W x D): 146.5cm x 13cm x 1 cm, aluminum housing, terminal connections up to 4mm²

coming soon ...

LEN-220 NEW EN 54-24

COMPACT 100V SPEAKERS FOR VOICE ALARM

weatherproof rating IP54, 16 x 4" coated cone speakers with maximum efficiency, Side lobe suppression through mounted waveguides, passive filters for directivity linearization, dimensions (H x W x D): 220cm x 13cm x 12cm, aluminum housing, terminal connections up to 4mm²

coming soon ...

AMPLIFIER RECOMMENDATIONS

	D-2.7500	D-4.750	D-4.1200	D-2.1500	K3 / K6		D-2.7500	D-4.750	D-4.1200	D-2.1500	K3 / K6
ARC-SERIES						LINEA-SERIES					
AT-05	✓	✓				LX-10	✓	✓	✓		
AT-061	✓	✓				LX-60	✓	✓	✓		
AT-07	✓	✓				LX-100	✓	✓	✓		
AT-08	✓	✓				LX-150	✓	✓	✓		
AT-09	✓	✓				LX-220	✓	✓	✓		
AT-10	✓	✓				LX-500			✓	✓	✓
AT-201	✓	✓	✓			LX-600			✓	✓	✓
AT-221w	✓	✓	✓								
AT-35			✓	✓		X-SERIES					
AT-40			✓	✓		XT-1	✓	✓			
AT-50			✓	✓		XT-10	✓	✓			
AT-661w			✓	✓	✓	XT-22	✓	✓	✓		
CS-04	✓	✓				XT-33		✓	✓	✓	
CS-08	✓	✓				XT-4		✓	✓	✓	
AS-06	✓	✓				XT-5		✓	✓	✓	
AS-10	✓	✓				XT-6		✓	✓	✓	✓
AS-22	✓	✓				XM-4		✓	✓	✓	
AS-31				✓		XS-30 PASSIVE			✓	✓	
AS-40				✓		XS-4 PASSIVE			✓	✓	✓
LINEA-SERIES						PERFORM-SERIES					
AL-10	✓	✓				PT-6			✓	✓	✓
AL-20	✓	✓				PT-8					✓
AL-50	✓	✓				PT-9					✓
AL-100	✓	✓									
AL-150	✓	✓									

TRANSFORMER RECOMMENDATIONS

	AP-10	AP-25	AP-50	AP-60	AP-120	AP-240		AP-10	AP-25	AP-50	AP-60	AP-120	AP-240
ARC-SERIES							LINEA-SERIES						
AT-05						✓	AL-10	✓					
AT-061		✓		✓			AL-20	✓					
AT-07		✓		✓			AL-50			✓			
AT-08		✓		✓	✓		AL-100			✓			
AT-09		✓		✓	✓		AL-150			✓			
AT-10		✓		✓	✓		LX-10	✓					
AT-201				✓	✓	✓	LX-60						✓
AT-221w				✓	✓	✓	LX-100						✓
AT-35					✓	✓	LX-150				✓		
AT-40					✓	✓	LX-220				✓		
AT-50					✓	✓	LX-500						
AT-661w							LX-600						
CS-08				✓	✓								

ACCESSORIES

BRACKETS & MOUNTING ACCESSORIES	SERIES	TO USE WITH	ARTICLE NUMBER
CC-300 cardan coupler	UNIVERSAL	FM-SERIES with VFM-1 / LX-501/601 with VLX-600 / PT-8 with Flying-Cradle	black 8320-B0000
FLYING-CRADLE PT-8 cradle	PERFORM	PT-8	black 8304-00000
FLYING-CRADLE PT-9 cradle	PERFORM	PT-9	black 8305-00000
LW-1 wall mounting bracket small	UNIVERSAL	on enquiry (weight-, dimensions- and applications-specific)	black 8308-B0000 white 8308-W0000
LW-2 wall mounting bracket large	UNIVERSAL	on enquiry (weight-, dimensions- and applications-specific)	black 8307-B0000 white 8307-W0000
QAL-10 horizontal bracket	LINEA	AL-10	black 8401-B0000 white 8401-W0000
QAL-20 horizontal bracket	LINEA	AL-20	black 8402-B0000 white 8402-W0000
QAT-05 horizontal bracket	ARC	AT-05	black 8403-B0000 white 8403-W0000
QAT-07 horizontal bracket	ARC	AT-061 / AT-07	black 8404-B0000 white 8404-W0000
QAT-09 horizontal bracket	ARC	AT-08 / AT-09	black 8405-B0000 white 8405-W0000
QAT-10 horizontal bracket	ARC	AT-10	black 8406-B0000 white 8406-W0000
QAT-20 horizontal bracket	ARC	AT-201 / AT-221w	black 8407-B0000 white 8407-W0000
QAT-34 horizontal bracket	ARC	AT-35 / AT-40	black 8408-B0000 white 8408-W0000
QAT-50 horizontal bracket	ARC	AT-50	black 8409-B0000 white 8409-W0000
QAT-661 horizontal bracket	ARC	AT-661w	black 8447-B0000 white 8447-W0000
QLX-11 horizontal bracket	LINEA AIREA®	LX-10 / LX-11 LX-10 ASX	black 8439-B0000 white 8439-W0000
QLX-20 horizontal bracket	AIREA®	LX-20 ASX	black 8450-B0000 white 8450-W0000
SHM-1 stand fork	EASYPORT	FP-MEDIA	black 8222-00000
SHP-1 stand fork	EASYPORT	FP-11	black 8223-00000
SHP-2 stand fork	EASYPORT	FP-22	black 8224-00000
STACKING-CRADLE PT-8 cradle	PERFORM	PT-8	black 8310-00000
STACKING-CRADLE PT-9 cradle	PERFORM	PT-9	black 8311-00000
VAS-12 mounting bracket (i.e. for flown applications)	ARC AIREA® LINEA	AS-06 / AS-10 / AS-22 AS-06 ASX / AS-10 ASX / AS-22 ASX LX-500 / LX-600 / LFI-350 / LFI-450	black 8452-B0000 white 8452-W0000
VAS-14 mounting bracket (i.e. for flown applications)	ARC	AS-31 / AS-40	black 8411-B0000
VAT-08 special bracket for traverse mounting	ARC	AT-05 / AT-061 / AT-07 / AT-08 / AT-09	black 8412-B0000 white 8412-W0000
VAT-09 bracket for ceiling mounting	ARC	AT-05 / AT-061 / AT-07 / AT-08 / AT-09	black 8413-B0000 white 8413-W0000
VAT-10 vertical bracket	ARC	AT-10	black 8414-B0000 white 8414-W0000
VAT-20 vertical bracket	ARC	AT-201 / AT-221w	black 8415-B0000 white 8415-W0000
VAT-34 vertical bracket	ARC	AT-35 / AT-40	black 8416-B0000 white 8416-W0000
VAT-50 vertical bracket	ARC	AT-50	black 8417-B0000 white 8417-W0000
VAT-661 vertical bracket	ARC	AT-661w	black 8448-B0000 white 8448-W0000
VLX-11 mounting bracket	LINEA AIREA®	LX-11 / LX-10 LX-10 ASX	black 8440-B0000 white 8440-W0000
VPT-6 vertical bracket	PERFORM	PT-6	black 8315-B0000 white 8315-W0000
VXT-1 vertical bracket	X-SERIES	XT-1	black 8442-09000
VXT-10 vertical bracket	X-SERIES	XT-10	black 8423-09000
VXT-2 vertical bracket	X-SERIES	XT-22	black 8424-07000
VXT-3 vertical bracket	X-SERIES	XT-33 / XT-4	black 8425-07000
VXT-5 vertical bracket	X-SERIES	XT-5	black 8426-07000

BRACKETS & MOUNTING ACCESSORIES	SERIES	TO USE WITH	ARTICLE NUMBER
VXT-6 vertical bracket	X-SERIES	XT-6	black 8454-B8000
WAL-03 wall bracket	LINEA AIREA®	AL-10 / AL-20 / LX-10 / LX-11 LX-10 ASX / LX-20 ASX	black 8437-B0000 white 8437-W0000
WAL-1 mounting bracket	LINEA FOCUS AIREA®	AL-50/100/150 / LX-60/61/100/150/220 LFI-120 / LFI-220 LX-60 ASX	black 8428-B0000 white 8428-W0000
WAT-08 wall bracket	ARC LINEA AIREA®	AT-05 / 061 / 07 / 08 / 09 / AT-10 / 201 AL-50/100/150 / LX-60/61/100/150 LX-20 ASX / LX-60 ASX	black 8429-B0000 white 8429-W0000
WAT-08K wall bracket short	ARC LINEA AIREA®	AT-05/ 061 / 07 / 08 / AT-09 / 10 / 201 AL-50/100/150 / LX-60/61 / LX-100/LX-150 LX-20 ASX / LX-60 ASX	black 8430-B0000 white 8430-W0000
WAT-12 wall bracket	ARC LINEA AIREA®	AT-08 / AT-09 / AT-10 / AT-201 LX-60 / LX-61 / LX-100 / LX-150 LX-60 ASX	black 8431-B0000 white 8431-W0000
WFM-100 wall bracket	FOCUS	FM-100 / FMI-100	black 8441-B0000 white 8441-W0000
WFM-110 wall bracket	FOCUS	FM-110 / FMI-110	black 8442-B0000 white 8442-W0000
WFM-400 wall bracket	FOCUS	FM-400 / FMI-400	black 8443-B0000 white 8443-W0000
WHM-1 wall bracket	EASYPORT	FP-MEDIA	black 8432-B0000
WHP-1 wall bracket	EASYPORT	FP-11 / FP-22 / FP-MEDIA	black 8433-B0000
WHP-2 wall bracket	EASYPORT	FP-22	black 8434-B0000
WLF-1 wall bracket	FOCUS	LFI-120/220/350/450 / LF-120/220	black 8435-B0000 white 8435-W0000
WLF-2 wall bracket	FOCUS	LFI-120/220/350/450 / LF-120/220	black 8438-B0000 white 8438-W0000
WLX-100 wall bracket	LINEA	LEN-60 / LEN-100 / LEN-150 / LX-60 / LX-61 / LX-60 ASX	black 8453-B0000 white 8453-W0000
WLX-220 wall bracket	LINEA ARC	LX-220 / LX-500 / LX-501 AT-35 / AT-40 / AT-50	black 8445-B0000 white 8445-W0000
WLX-600 wall bracket	LINEA	LX-500 / LX-501 / LX-600 / LX-601	black 8436-B0000 white 8436-W0000

BAGS, COVERS & CASES	SERIES	TO USE WITH	ARTICLE NUMBER
C-3PT-8 transport case	PERFORM	3 × PT-8 WAVELINE MODULE	8121-00000
C-3PT-9 transport case	PERFORM	3 × PT-9 WAVELINE MODULE	8122-00000
C-PT-8FL transport case	PERFORM	FLYING-CRADLE PT-8	8103-00000
C-PT-8ST transport case	PERFORM	STACKING-CRADLE PT-8	8105-00000
C-PT-9FL transport case	PERFORM	FLYING-CRADLE PT-9	8104-00000
C-PT-9ST transport case	PERFORM	STACKING-CRADLE PT-9	8106-00000
CB-EASYPORT carrying bag	EASYPORT	FP-22 / FP-11 / FP-MEDIA	8115-00000
CB-LX-100 carrying bag	LINEA	LX-100	8117-00000
CB-LX-150 carrying bag	LINEA	LX-150 / 2 × LX-60 / 2 × LX-61	8118-00000
CB-STANDS carrying bag	UNIVERSAL	for Stand / Distance Tube	8116-00000
RC-FM-100 rain cover	FOCUS	FM-100 / FMI-100	8147-00000
RC-FM-110 rain cover	FOCUS	FM-110 / FMI-110	8148-00000
RC-FM-400 rain cover	FOCUS	FM-400 / FMI-400	8149-00000
RC-FM-LID1 rain cover cap FM	FOCUS	FM-100/110/400 / FMI-100/110/400	8150-00000
RC-FM-LID2 rain cover cap FM , for VFM-1	FOCUS	FM-100/110/400 / FMI-100/110/400	8151-B0000
RC-FP1 rain cover	EASYPORT	FP-11	8111-00000
RC-FP2 rain cover	EASYPORT	FP-22	8112-00000
TC-XM-4 transport cover	X-SERIES	XM-4	8124-00000
TC-PS-9 transport cover	PERFORM	PS-9 ACTIVE	8137-00000
TD-PS-9 front protector	PERFORM	PS-9 ACTIVE	8109-00000
TC-XS-1 transport cover	X-SERIES	XS-10 / XSP-10	8126-00000
TC-XS-3 transport cover	X-SERIES	XS-30 / XSP-3	8127-00000
TC-XS-4 transport cover	X-SERIES	XS-4	8128-00000
TC-XS-22 transport cover	X-SERIES	XS-22 / XSP-22	8144-00000
TC-XT-2 transport cover	X-SERIES	XT-22	8130-00000
TC-XT-5 transport cover	X-SERIES	XT-5	8136-00000
TC-XT-10 transport cover	X-SERIES	XT-10	8129-00000
TC-XT-34 transport cover	X-SERIES	XT-33 / XT-34	8132-00000

ADAPTERS & OTHER ACCESSORIES	SERIES	TO USE WITH	ARTICLE NUMBER
APT-20	adapter M20 / M12	PERFORM for mounting the VPT-6 on a subwoofer	8316-00000
CLAMP-1	clamp	UNIVERSAL for traverse mounting with VXT-1 / VXT-10 / VLX-11	black 8312-00000
CLAMP LC-50	traverse mounting	UNIVERSAL traverse mounting of mounting brackets with TV-SPIGOT / VLX-600 / SA-7 / SA-10	8301-00000
DH-1	ceiling flange	UNIVERSAL ceiling mounting of mounting brackets with TV-SPIGOT / VLX-600	black 8302-B0000 white 8302-W0000
SA-1	stand adapter	UNIVERSAL e.g. for AL-10 / AL-20 / AL-50	black 8211-00000
SA-2	stand adapter	UNIVERSAL e.g. for AT-201 / AT-35 / AT-40 / AT-50	black 8213-00000
SA-3	stand adapter	UNIVERSAL to bolt on vertical brackets VAT-10 / VAT-20 / VAT-35 / VAT-50	black 8214-00000
SA-4	stand adapter	ARC AT-061 / AT-07 / AT-08 / AT-09 / VXT-1 / VXT-10	black 8215-00000
SA-5	stand adapter with joint	LINEA AL-50 / AL-100 / AL-150	black 8216-00000
		ARC AT-05 / AT-061 / AT-07 / AT-08 / AT-09	
		AIREA® LX-20 ASX / LX-60 ASX	
SA-6	stand adapter with joint	FOCUS LF-120 / LF-220	black 8217-B0000 white 8217-W0000
		LINEA LX-60 / LX-61 / LX-100 / LX-150	
		AIREA® LX-60 ASX	
SA-7	joint bracket	LINEA LX-60 / LX-61 / LX-100 / LX-150	black 8218-00000
		AIREA® LX-60 ASX	
SA-8	stand adapter	LINEA LX-500 / LX-501 / LX-600 / LX-601	black 8219-B0000 white 8219-W0000
SA-9	stand adapter	FOCUS LF-120 / LF-220 / LF-120 / LF-220	black 8220-00000
SA-10	adapter	FOCUS LF-120/220/350/450 / LF-120/220	black 8212-00000
TV-SPIGOT	TV Spigot	UNIVERSAL for CLAMP LC-50 / DH-1	8011-00000
VFM-1	flying adapter	FOCUS FM-100/110/400 / FMI-100/110/400	black 8444-B0000
VL-89	extension	ARC VAT-08 / VAT-09	black 8313-B0000
			white 8313-W0000
VLX-600	flying adapter	LINEA LX-500 / LX-501 / LX-600 / LX-601	black 8420-00000

STANDS	SERIES	TO USE WITH	ARTICLE NUMBER
STAND	with locking bolts	UNIVERSAL for all products with adapter stand	white 8231-W0000
DR-1	distance rod for satellite speakers	LINEA LX-61 / LX-100 / LX-150	black 8204-B0000 white 8204-W0000
		FOCUS LF-120 / LF-220	
		X-SERIES XT-1/10/22/33/4/5/6 / XS-10/22/30/4 / XSP-10/22/3	
FREE STAND II	design stand	PERFORM PS-9	black 8206-B0000 white 8206-W0000
		LINEA AL-50 / AL-100 / LX-60 / LX-100	
		ARC AT-05 / AT-061 / AT-07 / AT-08 / AT-09	
FREE STAND III	design stand	AIREA® LX-60 ASX	black 8207-B0000 white 8207-W0000
		LINEA AL-50 / AL-100 / AL-150 / LX-60 / LX-100 / LX-150	
		ARC AT-05 / AT-061 / AT-07 / AT-08 / AT-09	
FREE STAND IX	aluminum stand tube	AIREA® LX-60 ASX	black 8230-B0000 white 8230-W0000
		FOCUS LF-120 / LF-220	
FREE STAND X	aluminum stand tube	FOCUS LF-120 / LF-220	black 8228-B0000 white 8228-W0000
		FOCUS LF-120 / LF-220	black 8229-B0000 white 8229-W0000
FREE STAND XI	aluminum stand tube	FOCUS LF-120 / LF-220	black 8229-B0000 white 8229-W0000
		FOCUS LF-120 / LF-220	black 8201-00000
STAND 1	speaker stand economy	UNIVERSAL	black 8225-00000
STAND LF-1	steel pedestal	FOCUS for FREE STAND IX / X / XI	black 8230-B0000 white 8230-W0000
STAND LF-2	wooden pedestal	FOCUS for FREE STAND IX / X / XI	black 8230-B0000 white 8230-W0000
SUB ADAPTER LF-3	steel plate	FOCUS to mount FREE STAND IX / X / XI on FOHNN® subwoofer	black 8230-B0000
			white 8230-W0000



Popular German Band "Deichkind" playing a club concert at Schräglage Stuttgart.

Photo: Fotenoid / Event: Big FM radio station & F/Concept Stuttgart



Installation: F/Concept Stuttgart

FOHNN® ARC systems in Stuttgart design club "T-O12".

DOLBY ATMOS® – A NEW DIMENSION OF SURROUND SOUND.

DOLBY ATMOS® is an audio format that does not only rely on channel based audio, but rather on audio objects as well. This means that in DOLBY ATMOS® each single sound – be it for example a helicopter, a scream, human noises or music – exists as an individual audio object free from channel restrictions. Consequently an audio object can be placed and moved anywhere in the sound field – even to the ceiling of the auditorium. Thus the audience experiences wrap-around sound in

a three-dimensional space; the sound flies in perfect synchronicity with the picture around and above the audience, creating an immersive and realistic movie experience with amazing clarity, detail and depth. The sounds fill the entire theatre, the viewer is immersed in the movie. DOLBY ATMOS® supports up to 128 independent, simultaneous audio objects and up to 64 separate loudspeaker signals in a mix of rich, realistic and stunning sound.

CINEMA 8 – EVERYTHING UNDER ONE HEAVEN.

In early November 2014 the brand new Cinema 8 Complex was opened in Schöffland, Switzerland. Restaurants, bars, a hotel and bowling alley can all be found under one roof alongside an open-air cinema and a total of four movie theatres of the highest acoustic standard. Hanno Ziesche of AudioSonic GmbH was responsible for the room acoustics as well as the conceptualization of the loudspeaker system. Each of the four cinemas was fitted with the new **DOLBY ATMOS®** system and is exclusively equipped with Fohhn loudspeaker systems. 130 Fohhn Linea LX-100 line source speakers were installed for optimum sound reinforcement and the best possible

realisation of **DOLBY ATMOS®**. Furthermore 30 **FOHNN® AT-50** speakers, 20 **FOHNN® D-4.1200** power amps, six Fohhn PS-9 subwoofers, more than 40 **FOHNN® D-4.750** power amps, 12 **FOHNN® AS-40** subwoofers, 24 Fohhn **AT-35** speakers and 44 **FOHNN® CS-10** ceiling speakers were integrated. Every loudspeaker complies with the high **DOLBY®** standards. Even during the installation stage the perfect implementation of **DOLBY ATMOS®** with Fohhn speaker systems was highly praised by the Cinema 8 operators and **DOLBY®** controllers alike. But audiences, too, are most enthusiastic about the sound of the cinemas and speak of an entirely novel cinematic experience.

In-wall integration of LINEA FOCUS in the German Hygiene Museum, Dresden.



Photo: David Brandt / Installation: Mediatronik, Dresden under the direction of Stefan Dressler



System integration: FB Bischerheim (planning), BFE Studio- und Mediensysteme GmbH, Mainz (Installation)

Challenging installation: Mainz Cathedral has a reverberation time of 12 seconds. Solution: LINEA FOCUS.



The famous "Kaiser-Wilhelm-Gedächtniskirche Berlin" was equipped with LINEA FOCUS.

Realisation: Rainer Zinke Church & Sound.



System integration: Centrum Slovakia (Installation)

LINEA FOCUS in the Reduta Concert Hall in Bratislava



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