

 WE AMPLIFY EMOTIONS

WELCOME TO AD-SYSTEMS



SPECTRUM V23

Brochure 2024



Audio products have to work properly day after day, year after year, and they are required to do their work reliably. Whether you're in the touring, rental or install market; sound quality, functionality, design and the economical aspects of business must work together.

Sound and handling, design and economical aspects absolutely must fit.

Is that asking too much? No, definitely not! Is getting it right exhausting, time consuming and work intensive? Most definitely, but that's what we do.... and we love it!

Constant ongoing research and development, high quality components, manufactured with precision backed by excellent customer care and support, we do it all:

„Made in Germany“ - not just a sticker but a statement of our commitment to you.



Sven Haferkamp  
Managing Director



Oliver Pattay  
Managing Director

# WE AMPLIFY EMOTIONS®

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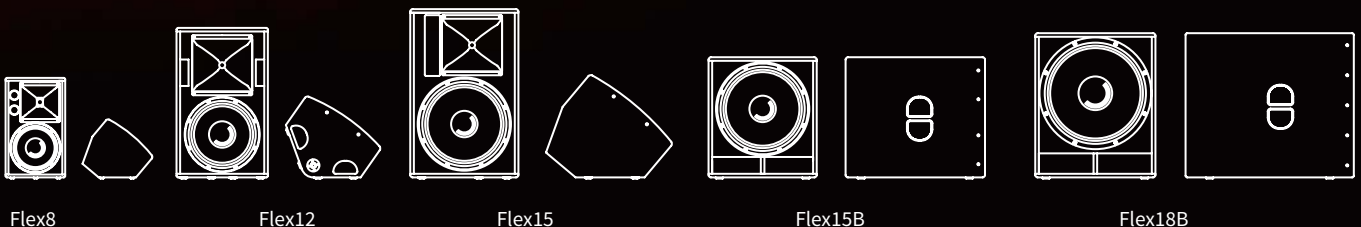
# OUR CONCEPT

## Systemelectronics



Amplification + Connectivity for worldwide compatible Usage

## Flex-Series - portable



Flex8

Flex12

Flex15

Flex15B

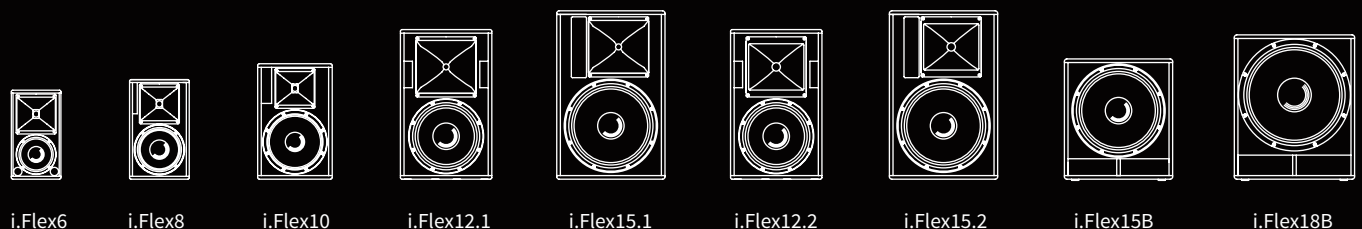
Flex18B

- Loudspeakers
- Systemelectronics
- Know-How Transfer

## Touring Series - for rental and event



## i.Flex-Series - installed solutions

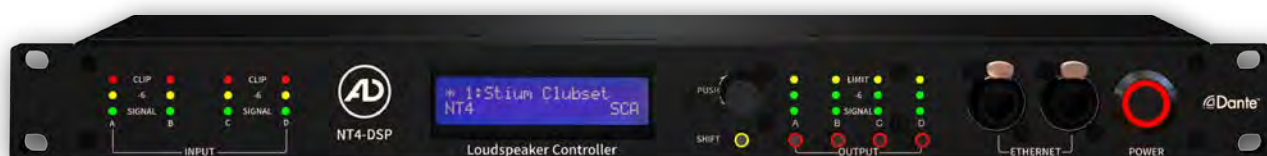


# SystemElectronics

The expectations of modern system electronic has increased more and more in the last few years. Sound results are becoming more predictable. We made it our duty to fulfill this demand and developed a series of products which should suit to any demand in mobile and installation environments.

All DSP equipped products are working in the same software environment to ensure most easiest operations in one network. All NT4 Units are equipped with the most up to date DSP and Dante™ as the Standard Audio over Ethernet Network.

## NT4-DSP



Number of Channels	4in - 4 out, 4x Analog in, 4 x AES/EBU in, Dante™
Frequency Response	20Hz to 20kHz
Dynamic Range, inputs	115dB
Dynamic Range, outputs	114dB
Maximum Input Level	+20 dBu
Operating Voltage	90-240 VAC, 50-60Hz
Powerconsumption	30W maximum
Dimensions ( H x W x D)	483mm (19"), 44m (1U)
Weight	1,8kg

## Features

- 4in 4out DSP with matrix routing
- Analog, Digital Inputs
- Dante™ Audio
- Presets for all AD-Systems products on board
- Peak + RMS Limiting
- FIR Filter
- Future-upgradeable

With four fully balanced inputs, and and four balanced outputs, the NT4-DSP offers increased flexibility. It is designed to operate at a native sampling rate of 96 kHz with 24-bit converters on the inputs and outputs, to give a bandwidth of over 30kHz and a dynamic range in excess of 115 dB.

Available on each input channel is a 10 band full parametric EQ, every output has 12 fullparametric EQ ´s, Peak & RMS Limiter + 1000 FIR Taps. The Inputs can be used analog, via AES/EBU or Dante Audio.

## NT4-K6

The NT4-K6 four channel amplifier was developed for mobile and installed applications which requires medium power. It has the same DSP Engine as the NT4-DSP and the NT3-K4. With setups for all AD-Systems products and even customized settings, this amplifier is a perfect choice.

The NT4-K6 has Delays in the input and output of 500msec each, RMS- and Peaklimiters, FIR Filters, an open Edit Architecture for custom settings, and many features more.



Number of Channels	4in - 4 out, 4x Analog in, 4 x AES/EBUin, Dante™
Frequency Response	20Hz to 20kHz
Maximum Input Level	+20 dBu
Maximum Output Power	4 x 1600W @ 4 ohms, 4 x 1000W @ 8 ohms
Operating Voltage	90-240 VAC, 50-60Hz
Powerconsumption	3000W average, active Power Fator Corretion (PFC)
Dimensions (H x W x D)	2 RU x 483mm (19") x 420mm
Weight	10.5 kg

## Features

- 4in 4out Powered Loudspeaker Controller
- 4 x 1.600W @ 4 Ohms
- Active PFC for worldwide Operation
- Presets for all AD-Systems products on board
- Open Edit Architecture for Custom Setups
- Future-upgradeable
- Dante™ Audio

# K14

The development of a DSP controlled, active PFC (Power Factor Correction) enables the K 14 to use the mains power supply much more efficiently than before. The PFC makes the immense power of 3,500 W per channel possible and improves the impedance headroom down to 2 Ohms.

The PFC provides a solid supply voltage to the amplifier output modules, independently from different or fluctuating mains voltages. With a total offering of 14.000W undistorted power, the K14 in Comabination with the NT4-DSP is the system package for highest headroom.



Number of Channels	4in - 4 out, 4x Analog in
Frequency Response	20Hz to 20kHz
Maximum Input Level	+20 dBu
Maximum Output Power	4 x 3500W @ 2.6 ohms, 4 x 1400W @ 8 ohms
Operating Voltage	90-240 VAC, 50-60Hz
Powerconsumption	All channels driven 1/8 => 2200W
Dimensions (H x W x D)	2 RU x 483mm (19“) x 452mm
Weight	13.8 kg

## Features

- 4 Channel High Power Solution
- 4 x 3.500W @ 2.6 Ohms
- Active DSP controlled PFC
- Mains Voltage range from 90-240V



the Touringpanel - for worldwide compatibility

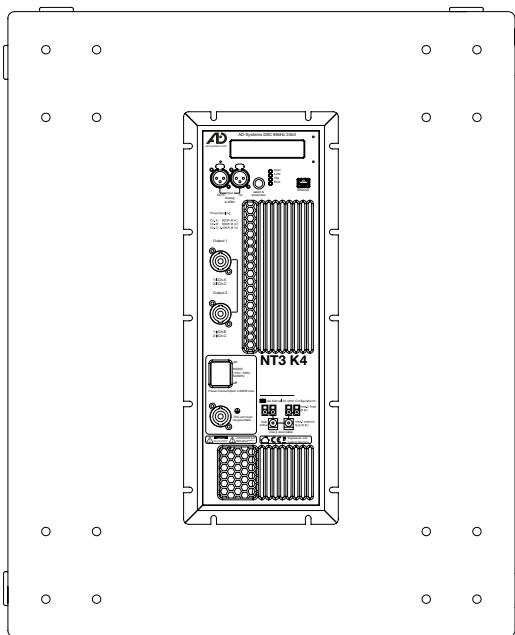
## NT3-K4

The NT3-K4 Amplifier module was developed to meet the demand for selfpowered systems. It can be integrated in our TouringSub18 and TouringSub15. With its DPS on board, all Mid-High Units from our productrange can be used. This offers the advantage to our clients using existing gear from their inventory. With a total power of 2500W @ 4 Ohms for the subs and 2 x 800W @ 40hms for the mid high, the NT3-K4 offers a huge Headroom for many applications.

Number of Channels	3 Amplifier Channels
Number of Inputs	2 x Analog, AES/EBU
Frequency Response	20Hz to 20kHz
Maximum Input Level	+12 dBu
Maximum Output Power	1 x 2500W @ 4ohms for Subs 2 x 800W @ 4 ohms for Mid High Units
Operating Voltage	90-240 VAC, 50-60Hz
Powerconsumption	1000W average
Dimensions (H x W)	480mm x 180mm
Weight	8 kg

## Features

- High Power Amplifier Modul
- 3 Amplifier Channels with 4000W in total
- integrable into TouringSub15 + TouringSub18
- combinable with all mid high units from AD-Systems
- drives an additional passive Sub



*The NT3-K4 integrated in the TouringSub18*

Life on the road is tough, especially for sound equipment. The electric and acoustic strains are often the least of all problems. Build-ups, tear-downs, packing, unpacking, hits and bumps, moving around...

All that mechanical influences require perfectly designed and manufactured systems. That's why we pay a lot of attention to using the highest grade raw materials.

All products from the touring series are CNC milled, key and slot joint with weatherproof glue, screwed and coated with Polyurea. This elaborate way of manufacturing has one single aim: Long-term use.

In other words: One thing less to worry about.

# TOURING SERIES ONE FOR THE ROAD

With the touring series AD-Systems is offering an efficient, innovative and roadworthy sound reinforcement system with no compromises. Only the best quality, versatility and practice oriented accessories.

Every component is state of the art, has an optimised enclosure design and delivers the highest sound pressure levels with the lowest distortion.

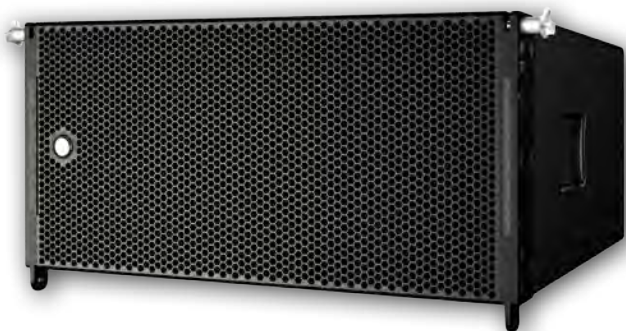
All horn and driver combinations have been newly developed and trimmed for perfect dispersion. Every product from the compact PicoSpot to the high power TouringWedges has been specifically developed and offers the best audio quality in any situation. Everytime and everywhere.



# TouringLine

Precise directivity, even coverage, extended range, compact transport volumes and predictable acoustical results – a quantum leap in sound reinforcement technology. The touringline is our current flagship product and the result of extensive research, development and optimization of all components. No detail, we have not thought about, no demand we have not reworded into a design target. The TouringLine sets a new standard in line array technology applicability.

Not more, but first and foremost not less!



## Applications

- FOH system for audiences of 1.000-15.000 people
- Sidefill / outfill for large stages
- Fixed installation
- Scalable up to 24 elements

## Features

- compact, elegant, highly efficient design
- 12" high performance neodymium low-mid woofer
- 1,4" high performance neodymium compression driver
- Polyurea coated enclosure made of heavy-duty birch plywood, equipped with T6 aluminium fittings

The TouringLine is a powerful 2-way line source loudspeaker containing an internal passive crossover for economic semi-active operation. It incorporates a direct radiating 12" neodymium low-mid woofer and a neodymium high frequency driver / waveformer combination. The line array waveformer has a nominal coverage pattern of 90° x 10°. The unique 12" low-mid woofer provides that, what is often missing in so called Compact-Arrays: Acoustic bottom. The TouringLine has got thick and warm low-mids and makes very low crossover frequencies possible. For many applications it is possible to use the TouringLine without additional subwoofers.

With the proprietary „Quick-Rig“ system putting the array into service is easy and efficient: A 12-element array flies within fifteen minutes - including chain hoist, bumper and splay angle setup! By using T6 aluminium in combination with high load steel it was possible to minimize the weight to 29 kg per element. A 6-element array including rigging frame weights less than 200 kilograms.

The available accessories perfectly round down the touringline system: The TouringLine dolly takes up to 12 elements including rigging frame and small parts. Its dimensions fit into the footprint of the Euro-Pallet trucking grid. The rigging frame is made of high load steel and has got detailed labelling for easy usage. The complete rigging system of the TouringLine is certified for safe rigging of up to 24 modules on one frame according to the strict BGV C1 requirements.

For best possible operation the use of AD-Systems system amplifiers is recommended. All necessary setups are on board, all relevant and appropriate parameters are set within seconds.

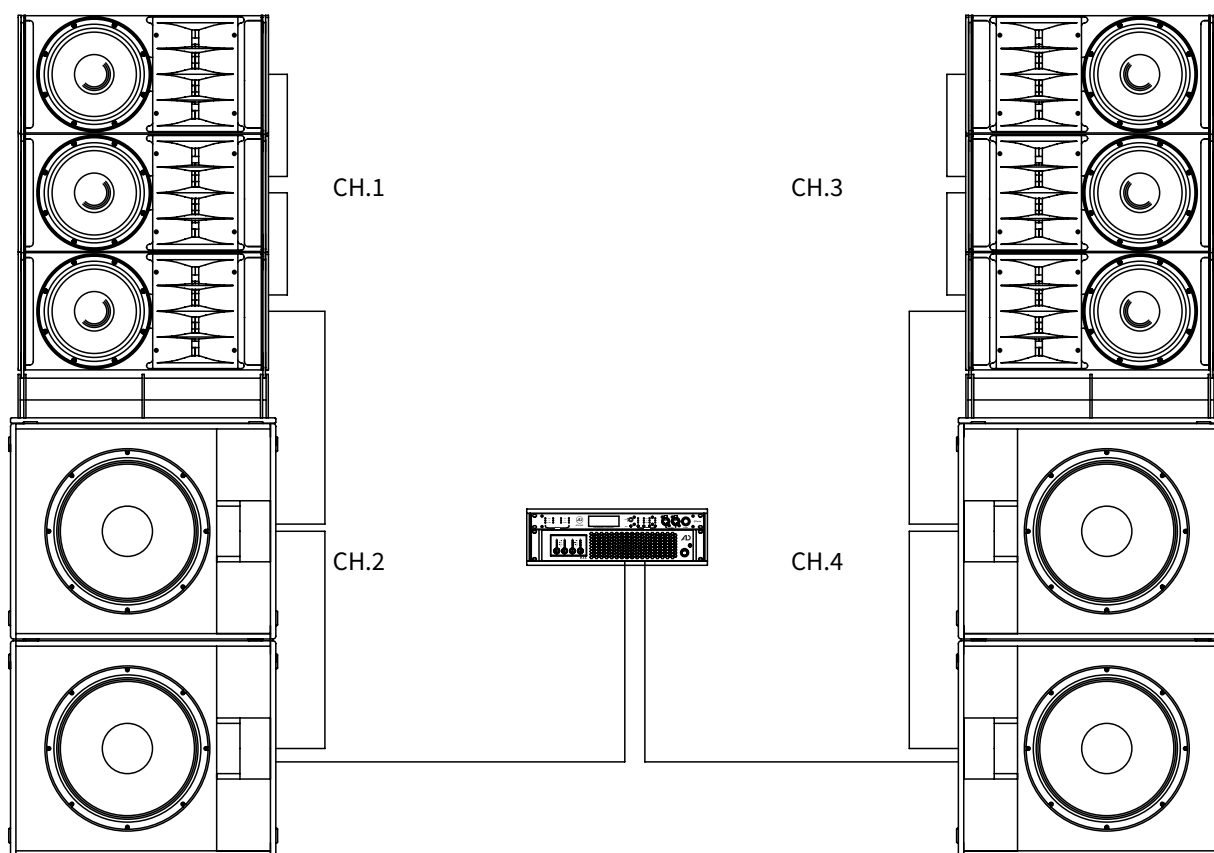


6 x TouringLine in their Dolly

# ON THE ROAD



# TouringLine Systemconfiguration



## Configuration Example

Every Channel of the K14+NT4DSP drives:

3 x TouringLine

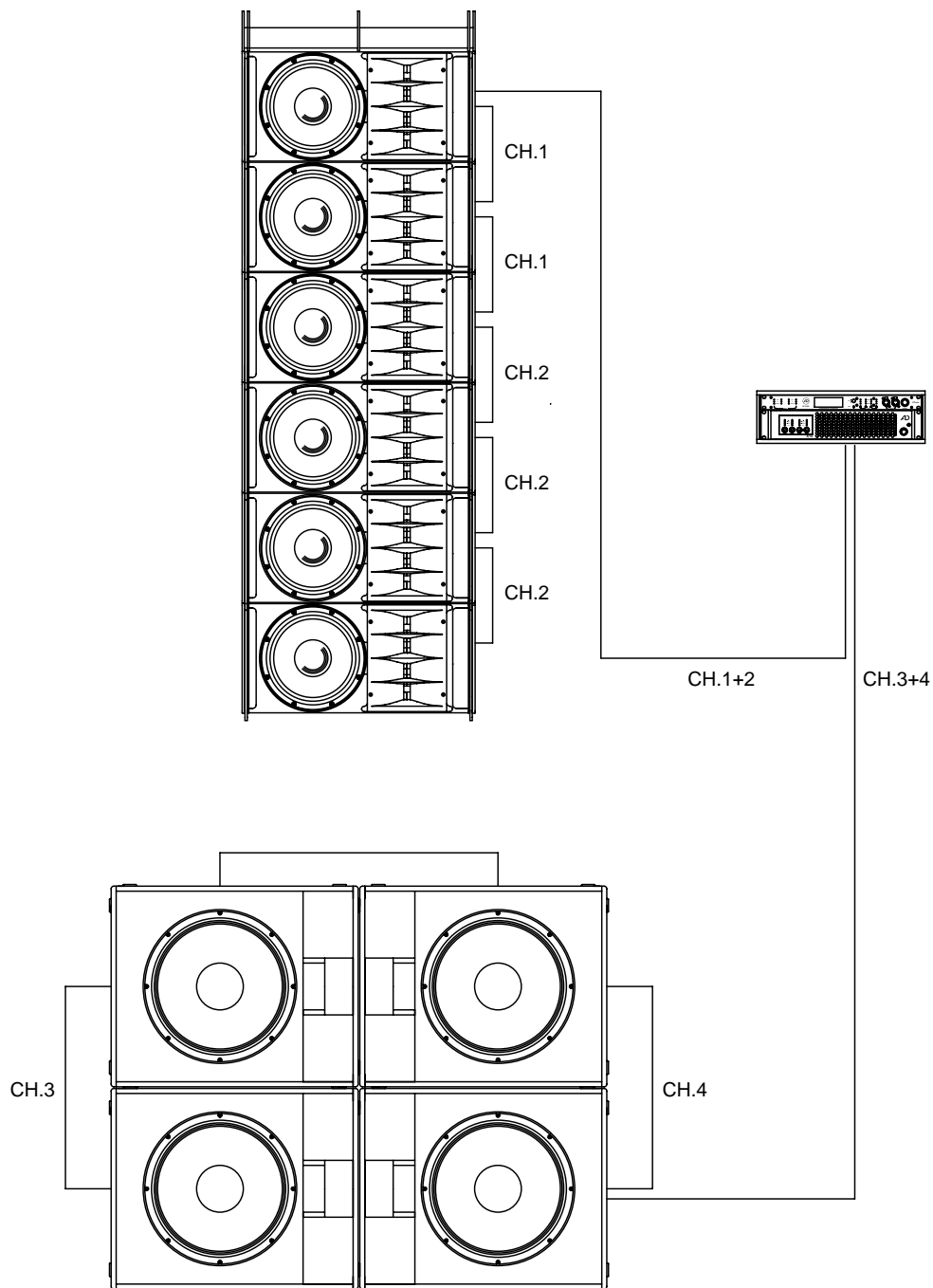
2 x TouringSub 18

TouringLine Groundstack-System

Used Setups:

Touringline GroundStack85Hz

Touringsub85Hz



## Configuration Example

Every Channel of the K14+NT4DSP drives:  
 3 x TouringLine  
 2 x TouringSub 18

TouringLine Festival System  
 Used Setups:  
 Touringline Flown85Hz  
 Touringsub85Hz  
 Drawing shows one side!

*„We work for the best products performance, but the real difference is made by our people and service.“*

**Sven Haferkamp**  
Managing Director

# PEOPLE & SERVICE



# TouringLine Compact + BassExtension

The TouringLine Compact extends applicability of line array technology to fields, in which a discreet appearance, good throw range and even coverage is demanded, but the extreme output of the larger TouringLine is not necessary.

The result is a loudspeaker system which offers the great handling of the TouringLine, but occupies only half of the volume and weight. Its sonic quality predestines the TouringLine Compact for theatre, cinema and TV studios, but due to its great performance the use for „a little louder“ concerts and dance events is also possible.



## Applications

- FOH system for audiences of 500-5.000 people
- Sidefill / Outfill for large stages
- Fixed installation
- Scalable up to 16 elements

## Features

- Very compact, elegant and light weight design
- 2x 6.5" high performance neodymium low mid woofers
- 1.4" high performance neodymium compression driver
- Polyurea coated enclosure made of baltic birch plywood, equipped with T6 aluminium fittings

The TouringLine Compact incorporates two 6.5" neodymium low mid speakers and one 1.4" neodymium high frequency compression driver in a extremely compact, Polyurea coated enclosure. The physical spacing of the sources has been optimized as such, that a very homogeneous directivity pattern is achieved.

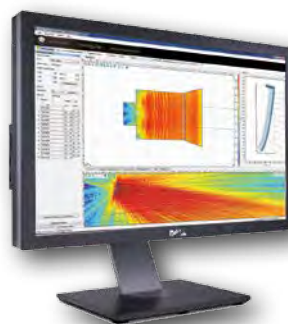
The two low mid speakers are flanking the high frequency wave guide at both sides and are coupled to the surrounding via short horn flares and phase plugs. In this way it was possible to reduce the spacing of the virtual sources to an absolute minimum, to add some sensitivity and to optimize the crossover frequency.

The high frequency wave guide has been designed by using the latest BEM (boundary element method) techniques and generates a planar wavefront up to 16 kHz. Corresponding with the TouringLineCompact's field of application a module splay of up to 15° is possible. Its ultra compact latest generation 1.4" neodymium compression driver offers the necessary headroom easily.

Both ways are combined in correct phase through a complex, passive crossover network. The nominal system impedance of 12 Ohms enables the powering of up to twelve modules at a modern two channel amplifier. Our AD-Systems system amplifiers are offering all necessary signal processing ensuring maximum operational safety and first class sound quality.

As with the TouringLine also the TouringLine Compact uses the proven and excellently to handle „Quick-Rig“ system. The rigging of the less than 15 kilogrammes weighting modules can be done by a single person. By applying highly loadable T6 aluminium hardware it was possible to certify the safe rigging of up to 16 modules according to the strict BGV C1 requirements.

For easy and secure transportation an optional Tourcase is offered, which takes up four elements including a rigging bumper. The Tourcase's outer dimensions are fit to the Euro-Pallet standard trucking grid.



*Ease Focus provides intuitive, realistic computer modelling of complex sound systems, making it possible to predict the coverage of loudspeakers in a permanently installed sound system.*



100% UNEXPTECTED



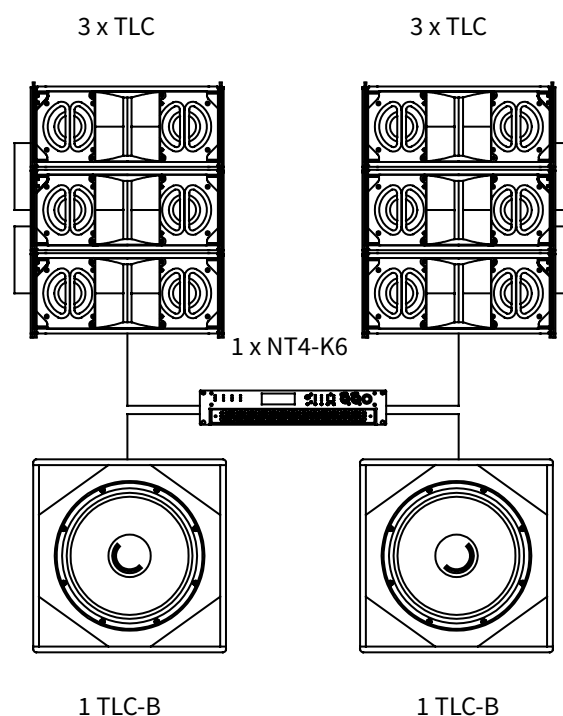
# TouringLine Compact Bassextension

The Bassextension for the TouringLine Compact with integrated flying hardware can be used for flown or ground stacked applications.

With it's flow optimized ports the Extension can be used in 2 modes: as pure Subextender down to 42Hz or as a LowMid Support to increase the „virtual size“ of the TouringLine Compact. It can be flown above the Mid-High Units or behind.

## Features

- Bass or Low-Mid Extender for the TouringLine Compact
- Usable flown or groundstacked
- 15" Neodymium High Power Transducer
- 1.200 cont. / 8 Ohms



## Configuration Example

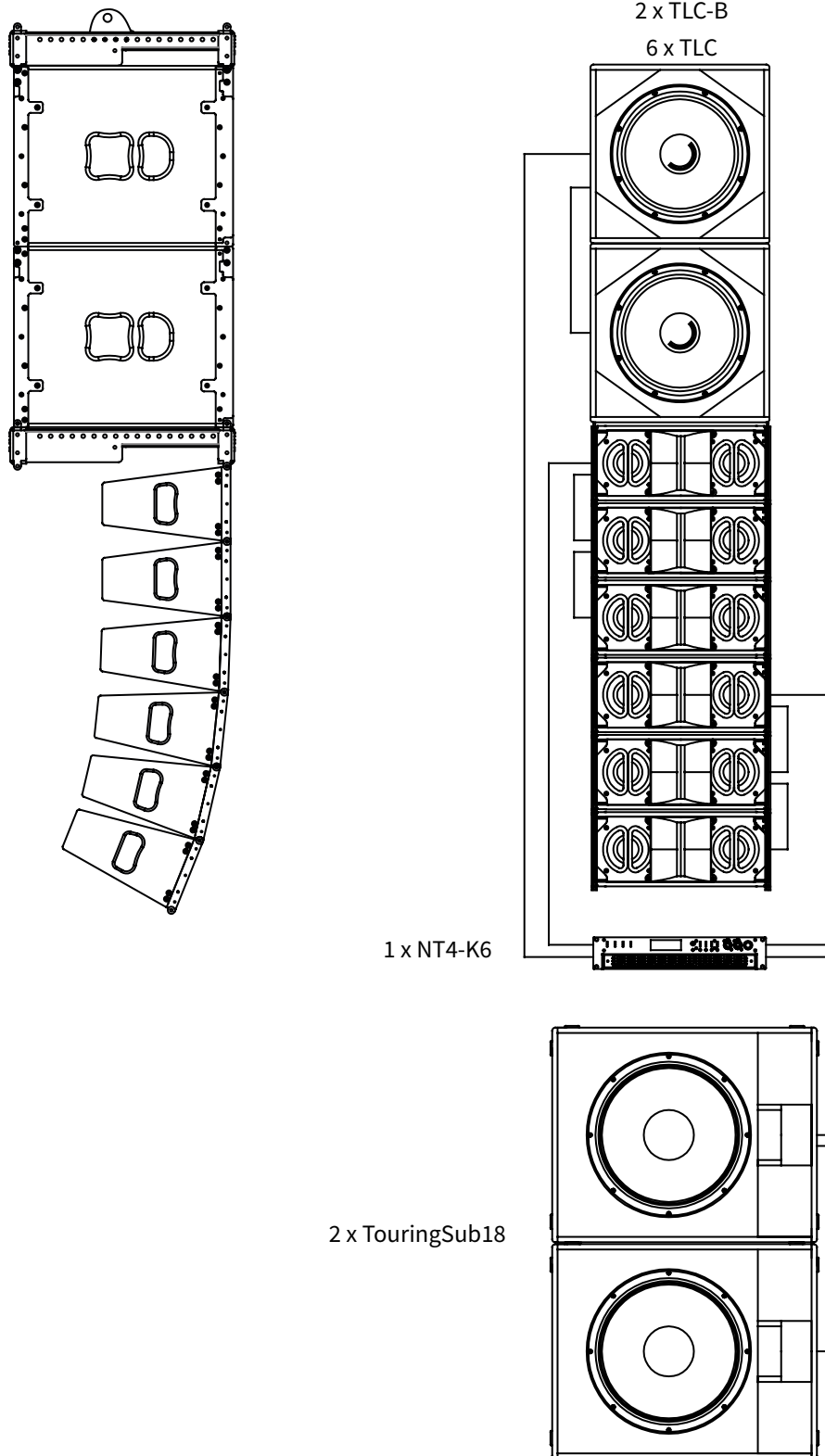
Every Channel of the K14+NT4DSP drives:

- 3 x TouringLine
- 2 x TouringSub 18

TouringLine Groundstack-System

Used Setups are:

- Touringline GroundStack85Hz
- Touringsub85Hz



## Configuration Example

Every Channel of the NT4-K6 drives:  
 3 x TLC (with 6 in total)  
 2 x TLC-B  
 2 x TouringSub18

TouringLine Festival System  
 Used Setups are:  
 Touringline Flown85Hz  
 Touringsub85Hz

Drawing shows one side!

# Stium

With the release of the AD-Systems Stium we satisfy our customers demand for a compact, very powerful horn loaded MF/HF loudspeaker system suiting well to the day-to-day rental business needs. The Stium closes the gap between compact systems and line arrays and recommends itself always when high SPL is necessary, but the use of a line array is economically or acoustically inappropriate. Well... and it does away with lots of negative attributes associated with traditional horn designs.

## Applications

- FOH system for audiences of 300 - 3.000 people
- Sidefill / Outfill / Infill / Drumfill for big stages
- Fixed installation

## Features

- highly efficient, fully horn loaded loudspeaker system
- fully usable from 100Hz upwards, SPL<sub>max</sub> >140dB
- 2x 12" high performance neodymium low-mid woofers
- 1.4" high performance neodymium compression driver
- heavily braced Baltic birch plywood, Polyurea coated



*Stium Clubset*

The AD-Systems Stium is an very compact, horn loaded fullrange loudspeaker system incorporating two 12" neodymium low-mid speakers and a high resolution 1.4" high frequency compression driver. Thanks to its acoustic design it is capable to generate sound pressure levels in excess of 140dB with low distortion. Compared to traditional designs this unit reaches a very low cutoff frequency of 100Hz and so can be used together with any common subwoofer system. Its nominal coverage pattern is 75° x 50°, but the high frequency horn is rotatable by 90° to get a 50° x 75° pattern. The loudspeaker incorporates a passive crossover and has a net weight of just 42 kilogrammes - features which make the Stium a highly economic and flexible product.

Corresponding with a high performance system of its class the AD-Systems Stium is layed out as semi-active system, i.e. a complex, passive 2.5-way crossover provides phase coherent combination of both ways as well as a specifically optimized coverage pattern, while equalizing and speaker protection is provided by the AD-Systems DSP amplifiers. That's why powering of the Stium requires only one amplifier channel.

The handling of the slender, polyurea coated enclosure is pleasantly easy due to the well placed handles on both sides. The available accessories round the systems concept perfectly off: The Quick-Rig flying bar is mounted within seconds and enables easy set up due to the optimally matched pivot point. The detachable front board as well as the padded transport cover protect from dirt and rough handling effectively.

The Stium is the preferred choice for applications, where maximum profitability meets high sound pressure requirements. Its decent shape and ease of use, its low crossover capability and its remarkable output-to-weight ratio lead to a uniquely versatile system.

100% ENERGIZED



## Magnus12 | Magnus15

The Magnus products are bi-functional premium class loudspeaker system incorporating a 12" respectively a 15" neodymium low-mid transducer and a 1.4" exit neodymium high frequency driver. Its high frequency horn has been designed using latest BEM (boundary element method) techniques and has an extremely homogeneous directivity pattern of 75° x 50°. It is rotatable by 90° to get a 50° x 75° pattern.



The elegant, asymmetric shaped enclosure of the Magnus systems is available as left and right version and is covered with a robust Polyurea coating. Its multi-functional design allows operation on poles or loudspeaker stands, suspended (with bracket) or as stage monitor wedge. For flexible connection there are two Speakon NL4 sockets on the rear as well as one NL4 socket on top and bottom sides respectively.

As a true all-purpose tool the Magnus systems are usable as stand alone fullrange loudspeaker, compact stage monitor or as mid-high unit in combination with a subwoofer.

### Applications

- FOH loudspeaker system
- High-End Monitor, Frontfill / Nearfill
- Expandable with subs forming up a powerful front PA

### Features

- Elegant design, compact dimensions, low weight
- Wedge angle 55°, left & right versions available
- 12" or 15" high performance neodymium transducers
- 1.4" high performance neodymium compression driver
- optional pan-tilt bracket for easy rigging

The Magnus series has been engineered for semi-active drive and thus unites the economic advantages of a passively crossed over loudspeaker with the sound quality, reliability and performance of an actively (i.e. DSP) controlled system. Its internal passive network provides optimal frequency division and phase alignment of both ways, and thus excellent directivity characteristics. Equalization, speaker protection and powering is provided through our AD-Systems system amplifiers.



Magnus12+TouringSub18



AD RHYTHM INDICATOR!



*Magnus15 without grill, as monitor*

# TouringStick

The AD-Systems TouringStick represents the new generation of line source speakers. With its capability to handle 700W of power, its compact size, easy to mount rigging hardware and all benefits of today's line array technology – the TouringStick fills the gap between cost-intensive line arrays and point source systems.

The Touringstick is a compact two-way line array column equipped with four 6.5" neodymium speakers and three 1 inch compression drivers on an asymmetrical Waveguide. With its dispersion of 90°x20° we ensure a precise audience coverage, reduced reflexions, an improved sound quality and outstanding speech intelligibility.

Each speaker weighs only 21kg, is equipped with 3 Speakers, accessories for tripod use or flying hardware are also available. The cabinet is PU coated and withstands the rigours of touring business and suboptimal weather conditions.

The TouringStick is designed to work with a dedicated system controller. AD-Systems system amplifiers are recommended. The asymmetrical vertical coverage transports the energy to the listeners considerably reducing reflections from the ceiling.



The asymmetrical vertical dispersion is 2° up and 18° down and minimizes reflections

## Applications

- Worship
- Live Music
- Conferences
- Corporate Events
- Delay Lines
- Expandable with subs forming up a powerful front PA

## Features

- Elegant design, compact dimensions, low weight
- 4 x 6.5" inch and 3 x 1" Neodymium Transducers
- Headstacking with 2 TouringStick is possible
- optional pan-tilt bracket for easy rigging

*Touring Stick in Double Configuration*



By headstacking two TouringSticks you can create a consistent symmetrical vertical coverage of 36°. In this application the acoustical output will increase by 6 dB and narrow vertical control at low frequency for extending the long throw capabilities of the system.

# LONGDISTANCE



# MagnusCompact

The Magnus Compact fills the gap between the Magnus12 and our Picospot. It is essential for all applications requiring maximum acoustic efficiency and extremely compact speaker dimensions. Outstanding speech intelligibility combined with excellent dispersion characteristics make the Magnus Compact the ultimate product.



## Applications

- Worship / Live Music
- Conferences
- Corporate Events
- Delay Lines
- Expandable with subs forming up a powerful front PA
- FOH loudspeaker system
- High-End Monitor, Frontfill / Nearfill

## Features

- Elegant design, compact dimensions, low weight
- Monitor angle 55°
- 2 x 5" neodymium high performance transducers
- 1.0" high performance neodymium compression driver
- optional pan-tilt bracket for easy rigging - identical Wbracket for horizontal and vertical use

The MagnusCompact is equipped 2 x 5" Neodymium drivers and 1 x 1" Compression driver in d'Apollito arrangement. The Horn can be rotated by 90° and has a dispersion of 90°x60°. The nicely shaped enclosure is Pu coated and withstands the rigours of touring business and suboptimal weather conditions.

The Magnus Compact can be used as a fullrange or high-high system in combination with our Subwoofers. For practical use in the field, we developed a special bracket which can be used for vertical and horizontal pitch.

The Magnus series has been engineered for semi-active drive and thus unites the economic advantages of a passively crossed over loudspeaker with the sound quality, reliability and performance of an actively (i.e. DSP) controlled system. Its internal passive network provides optimal frequency division and phase alignment of both ways, and thus excellent directivity characteristics. Equalization, speaker protection and powering is provided through our AD-Systems system amplifiers.

# EASYLISTENING



# PicoSpot / PicoSub

Have you ever asked yourself where the limits of possibility are? How small could an enclosure be without making cuts in the sound quality? Well, here is our answer: the PicoSpot.

The smallest member of our touring family, which has kept us on the go for the past two years until this speaker eventually saw the light of day. The PicoSub complements the PicoSpot and all compact speaker systems. It is equipped with a 12" long excursion woofer and uses a light weight neodym magnet. This results in a weight of less then 21kg. The polyurea coated enclosure is very resistant and its ideal tuning guarantees a beautifully rich and punchy low end.



## Applications

- Spot:**
- Nearfill, under balconies
  - Very compact main system
  - Fixed installations
  - Conference rooms
  - TV Station
- Sub:**
- Compact subwoofer for PicoSpot
  - Fixed installations
  - Conference rooms, TV shows etc.
  - Bars, pubs, mobile DJs

## Features

- Spot:**
- 5" highpower coax transducer
  - Ultracompact, ultralight
  - Weather proof enclosure made of baltic birch plywood
  - Finished in black Polyurea coating
- Sub:**
- 12" Neodym long-excursion woofer
  - High power handling for perfect dynamics
  - Light weight and compact dimensions
  - Weather proof enclosure made of baltic birch plywood
  - Finished in black Polyurea coating for horizontal and vertical use

The guideline to reducing the enclosure size to a minimum was only possible by using a proven speaker concept, a coaxial transducer. In this case a 5" speaker, built in a sealed enclosure to expand its availabilities. But what do we do with the heat inside if we power the speaker at 800W peak?

After being asked if so much power is necessary we wanted to make this possible and we did it.

Using a CNC milled aluminium horn takes care of this, perfect dispersion and its also a heatsink which removes the heat in the enclosure.

The used 5" special-high-density-ultracomplicated-heavy-duty-lightweight coaxdriver enables the Picospot to be used from 80Hz. It delivers a powerful sound which is not in tune with its size.

We have been supported on the development of this small marvel of technology from our passionate friends from Beyma: Pedro Enguidanos and Jorge Serrano. Together with the guys from our R&D they took care of that project which took 2 years and a lot of testing to get the heart of the Picospot beating.

There it is, a small, black and inconspicuous piece of audio. It is that compact that you can use it in a perfect way as a stage nearfill, at conferences, fashion shows, tradeshow and anywhere that the highest audio quality and most compact dimensions are required.

For best reliability, performance, tonal balance and ease of use we recommend our AD-Systems system amplifiers.

SMALL AND BEAUTIFUL



# TouringWedge12 | Wedge15

„A wedge does not have to sound nice, it has to be loud!“ We refuse to be satisfied with and to accept this quite outdated „wisdom“, and so we started the development with a blank sheet of paper.

What makes up a good wedge?

It should be lightweight, have a smooth and even frequency response, offer dynamic impact on stage. It should have an ideal and predictable directional dispersion behaviour... and of course should look great! So far about our duties record book.



## Applications

- High performance stage monitor wedge for vocal and instrumental performers
- Drumfill, keyboard, bass, guitar and DJ monitoring
- Sidefill monitoring small and medium sized stages
- Expandable with subs forming up a compact front PA

## Features

- Low profile shape and hidden connectors for discreet appearance in TV applications
- Coaxial design for perfectly symmetric coverage pattern
- 12"/1.4" or 15"/1.4" high performance neodymium transducers
- Compact enclosure made of Baltic birch plywood, Polyurea coated
- Sturdy powder coated grille made of 2mm sheet steel

Finally we did it - without compromises. May we introduce to you the AD-Systems TouringWedges. Loud and clear and honest. A true monitor. That they are - beside all technical refinements - looking just gorgeous... is surely nothing to be angry about too.

The AD-Systems TouringWedges are high performance monitor wedges incorporating coaxial 15"/1.4" or 12"/1.4" transducers - the best choice for excellent stage monitor sound. Unusually clear and standing out vocal reproduction, rich lows, crisp and detailed highs are accompanied by an aesthetic and elegant appearance. Its linear tuned response and optimized coverage pattern ensure highest possible feedback resistance and maximum impact on stage.

The low frequency transducers applied use advantageous 3.5" voice coils - a perfect match for fast and high level transients. The high frequency unit is equipped with a large circular hornflare ensuring precise directional behaviour. Classic disadvantages of traditional coaxial designs have been reduced considerably.

Easy handling, natural reproduction, exactly defined dispersion for highest possible gain before feedback, functional and elegant design qualify the AD-Systems TouringWedges as professional working platform for every artist and technician.

# LIVING ON A WEDGE



# TouringSub15

„This is where the music is“. Where? Exactly, in the sub region. Physically it is about 70% and felt much more. The sub region is an important part of the sound but what makes a good sub, a good sub? It should play with high dynamics, be compact, robust and have a punchy and warm sound.

Requirements which shouldn't affect each other but are difficult to combine, we accepted this challenge and we created the TouringSub 15 and TouringSub18:

The TouringSub15 was developed on request from many customers asking for a more compact format but similar dynamic and output of the TouringSub18.

## Applications

- Touring subwoofer for all applications
- Cardioid and endfire array presets available

## Features

- High power handling for best possible dynamics
- 15" long-excursion woofer with neodymium magnet
- trucking grid compatible dimensions, perfectly scalable
- heavily braced birch plywood construction, Polyurea coated



The TouringSubs are very flexible subwoofers incorporating a durable neodymium transducer featuring very low power compression, high sensitivity and high power handling, and thus delivering enormously high sonic output. It is your first choice if you need to move air seriously. The basis for its incredible and enduring performance is a proprietary transducer motor ventilation system.

The bass reflex vent cross-section area corresponds to 75% of the membrane surface area - port compression effects are non-existent. Deeply Tuned both subs are able to extend the frequency response of any PA system down to 35 Hz. Its upper crossover frequency can be as high as 130Hz.

A special feature of the AD-System TouringSubs are its flexible recessed stacking pads offering numerous stacking options: Standing upright or lying, rotated or alternating for cardioid setups, etc. Appropriate DSP presets for cardioid or endfire subwoofer array applications are provided with our system amplifiers naturally.

# TouringSub18

The TouringSub18 is very similar to the TouringSub15.....only a bit more of everything. Neutral, authentic and accurate. With a deep and contoured bass performance the TouringSub18 is one of our „Alltime Standard Products“ in customers rental inventory.

## Applications

- Touring subwoofer for all applications
- Cardioid and endfire array presets available
- Substructure for the TouringLine in ground stacked mode

## Features

- High power handling for best possible dynamics
- 18“ long-excursion woofer with neodymium magnet
- trucking grid compatible dimensions, perfectly scalable
- heavily braced birch plywood construction, Polyurea coated



*TouringLine+TouringSub  
in groundstacked mode*

# Touring**Infra**

It's all about control. Especially in the low end! Tight transients, a very musical sound but with a dynamic and depth which was not possible before. The Touringseries Infra serves as a massive foundation of your music. You will fall in love with it and high craze factor is guaranteed.

## Applications

- Touring subwoofer
- Cardioid and endfire array presets available

## Features

- High power handling, 3.5kW cont. for amazing dynamics
- 18" long-excursion woofer with neodymium magnet and 70mm peak to peak excursion, 135mm voicecoil
- trucking grid compatible dimensions, perfectly scalable
- heavily braced birch plywood construction, Polyurea coated
- -3db @ 29Hz !

The TouringInfra is a large format Double18 subwoofer and incorporates two high end 18" neodymium transducer . With 135mm Voicecoil, a very light total moving mass and an excursion of 70mm peak to peak, the chosen transducers can move that amount of air which is necessary to reproduce the lowest end in music - with an amazing dynamic and control.

The TouringInfra can operate from 28Hz to 100Hz. Ergonomical Handles on all sides and a trucking compatible format ensures a perfect handling of this speaker.

Appropriate DSP presets for cardioid or endfire subwoofer array applications are provided with our system amplifiers naturally.



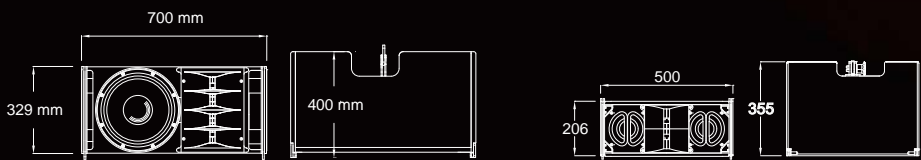


# EARTHSHATTERING

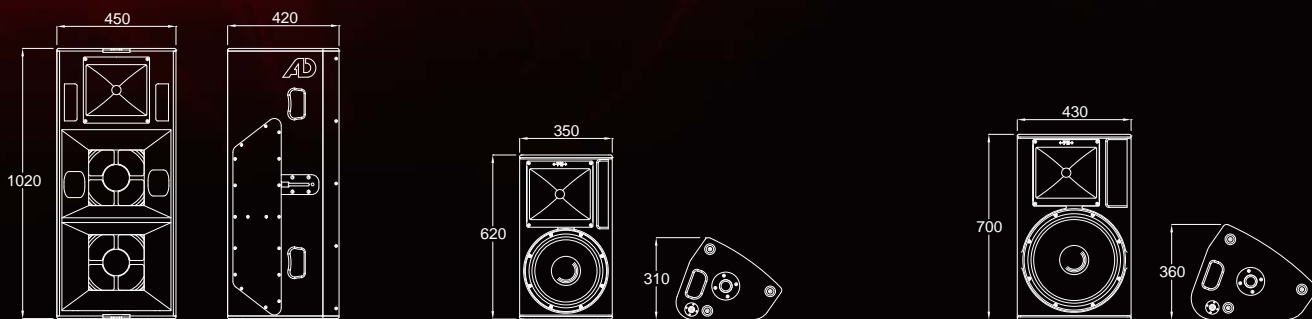
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TOURINGSERIES

TECHNICAL DATA:



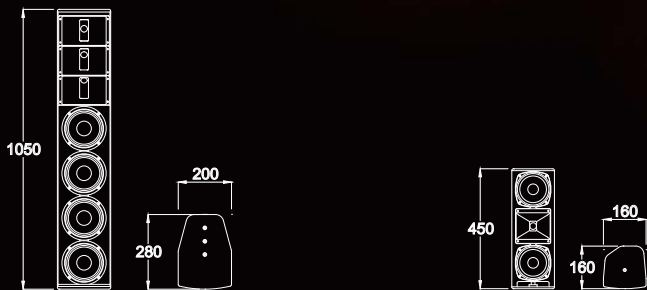
Type	Touringline	TouringLine Compact
Enclosure	15 mm baltic birch plywood w/ Polyurea coating	12/15 mm baltic birch plywood w/ Polyurea coating
Basic layout	2-Way passive, bass reflex tuning	2-Way passive, bass reflex tuning
Protective Grille	2.0 mm sheet steel, hex-stamped, black acoustic foam on inside	2.0 mm sheet steel, hex-stamped, black acoustic foam on inside
Components	12“ ND low mid woofer w/ 3.5“ voice coil 1.4“ ND compression driver w/ 3“ voice coil on DoubleV waveformer passive crossover w/ phase correction	2x6.5“ ND low mid woofer 1.4“ ND compression driver w/ 2.5“ VC on BEM DoubleV waveformer passive crossover w/ phase correction
Frequency Response	60 Hz–18 kHz +/-3 dB,	90 Hz–17 kHz +/-3 dB,
Power handling RMS   peak	700 W RMS   2.500 W Peak	75 Hz 400 W RMS   1.600 W Peak
Nominal Impedance	8 Ω	12 Ω
Dispersion pattern	90° x 10°	90° x 15°
Sensitivity	99 dB Lo-Mids, 110 dB High	95 dB Lo-Mids, 109 dB High
SPLmax	133 dB (peak) @ 1m, 1 element	127 dB (peak) @ 1m, 1 element
Connectors	NL4: 1+/1-	NL4: 1+/1-
Dimensions (w x h x d)	700 x 329 x 400 mm	500 x 208 x 355 mm
net weight	29 kg	14 kg
Accessories	Transport-Dolly, Rigging-Frame, Laser Inclinator	Transport-Dolly, Rigging-Frame, Laser Inclinator



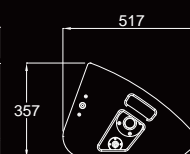
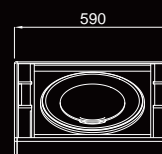
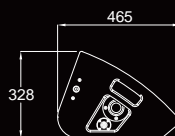
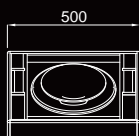
Stium	Magnus12	Magnus15
15 mm baltic birch plywood w/ Polyurea coating	15/24 mm birch plywood w/ Polyurea coating, 55° wedge angle	15/24 mm birch plywood w/ Polyurea coating, 55° wedge angle
2.5-Way passive, horn and reflex loaded	2-Way passive, bass reflex tuning	2-Way passive, bass reflex tuning
2.0 mm sheet steel, hex-stamped, black acoustic foam on inside	2.0 mm sheet steel, hex-stamped, black acoustic foam on inside	2.0 mm sheet steel, hex-stamped, black acoustic foam on inside
2x12" ND low mid woofer w/ 3" VC	12" ND low mid woofer w/ 3.5" voice coil	15" ND low mid woofer w/ 3.5" voice coil
1.4" ND compression driver w/ 3.0" VC on 75° x 50° BEM CD-Horn passive crossover w/ phase correction	1.4" ND compression driver w/ 2.5" VC on 75° x 50° BEM CD-Horn passive crossover w/ phase correction	1.4" ND compression driver w/ 2.5" VC on 75° x 50° BEM CD-Horn passive crossover w/ phase correction
100 Hz–18 kHz +/-3 dB, 750 W RMS   3.000 W Peak	55 Hz–18 kHz +/-3 dB, 600 W RMS   2.400 W Peak	55 Hz–18 kHz +/-3 dB, 600 W RMS   2.400 W Peak
6 Ω	6 Ω	6 Ω
75° x 50° constant coverage	75° x 50° constant coverage	75° x 50° constant coverage
108 dB Lo-Mids, 111 dB High	99 dB Lo-Mids, 109 dB High	100 dB Lo-Mids, 109 dB High
143 dB (peak) @ 1m	133 dB (peak) @ 1m	134 dB (peak) @ 1m
NL4: 1+/1-	NL4: 1+/1-	NL4: 1+/1-
450 x 1020 x 420 mm	350 x 620 x 316 mm	430 x 700 x 362 mm
44.5 kg	20.6 kg	23.4 kg
Pan-tilt bracket, wheel board	Pan-tilt bracket, twin road case, padded transport cover	Pan-tilt bracket, twin road case, padded transport cover

 Touring Series

Technical Data:



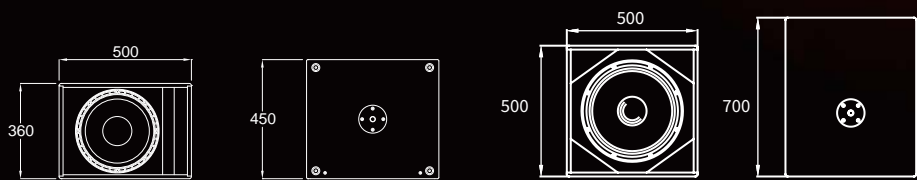
Type	TouringStick	MagnusCompact
Enclosure	15/18 mm birch plywood w/ Polyurea coating, 55° wedge angle	12/15 mm birch plywood w/ Polyurea coating, 55° wedge angle
Basic layout	2-Way passive, bass reflex tuning	2-Way passive, bass reflex tuning
Protective Grille	1.5 mm sheet steel, hex-stamped, black acoustic foam on inside	1.5 mm sheet steel, hex-stamped, black acoustic foam on inside
Components	4 x 6.5“ ND low mid woofer w/ 2.0“ voice coil 3 x 1.0“ ND compression driver w/ 1.5“ VC on 90° x 20 ° BEM Waveformer with passive crossover w/ phase correction	2 x 5“ ND low mid woofer w/ 1.5“ voice coil 1.0“ ND compression driver w/ 1.4“ VC on 90° x 60° BEM CD-Horn passive crossover w/ phase correction
Frequency Response	70 Hz–18 kHz +/-3 dB,	75 Hz–18 kHz +/-3 dB
Power handling RMS   peak	700 W RMS   2.000 W Peak	250 W RMS   1.000 W Peak
Nominal Impedance	8 Ω	12 Ω
Dispersion pattern	90° x 20° constant coverage	90° x 60° constant coverage
Sensitivity	98 dB Lo-Mids, 109 dB High	92 dB Lo-Mids, 108 dB High
SPLmax	133 dB (peak) @ 1m	122 dB (peak) @ 1m
Connectors	NL4: 1+/1-	NL4: 1+/1-
Dimensions (w x h x d)	200 x 1050 x 280 mm	160 x 450 x 160 mm
net weight	21 kg	5,9 kg
Accessories	Pan-tilt bracket, road case	Pan-tilt bracket, road case



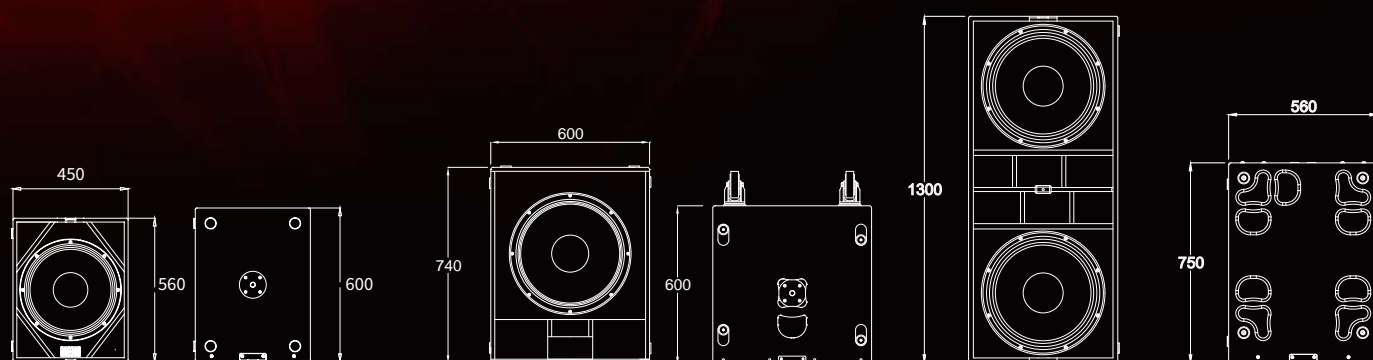
PicoSpot	TouringWedge12	TouringWedge15
12 mm birch plywood w/ Polyurea coating, 55° wedge angle	15 mm birch plywood w/ Polyurea coating, 55° wedge angle	15 mm birch plywood w/ Polyurea coating, 55° wedge angle
2-Way coaxial, passive, closed box	2-Way coaxial, passive, bass reflex	2-Way coaxial, passive, bass reflex
1.5 mm sheet steel, hex-stamped, black acoustic foam on inside	2.0 mm sheet steel, hex-stamped, black acoustic foam on inside	2.0 mm sheet steel, hex-stamped, black acoustic foam on inside
5" coaxial ND low mid woofer	12" coaxial ND low mid woofer w/ 3.5" VC	15" coaxial ND low mid woofer w/ 3.5" VC
1.0" ND compression driver w/ 1.7" voice coilon 90° circular horn passive crossover with phase correction	1.4" ND compression driver w/ 2.5" voice coilon 60° circular horn passive crossover with phase correction	1.4" ND compression driver w/ 2.5" voice coilon 60° circular horn passive crossover with phase correction
100 Hz–19 kHz +/-3 dB, 175 W RMS   700 W Peak	65 Hz–18 kHz +/-3 dB, 600 W RMS   2.400 W Peak	65 Hz–18 kHz +/-3 dB, 600 W RMS   2.400 W Peak
16 Ω	8 Ω	8 Ω
90° circular	60° circular	60° circular
91 dB	99 dB	100 dB
119 dB (peak) @ 1m	133 dB (peak) @ 1m	134 dB (peak) @ 1m
NL4: 1+/1-	NL4: 1+/1-	NL4: 1+/1-
155 x 165 x 155,2 mm	500 x 334 x 463 mm	590 x 349 x 513 mm
3 kg	19.8 kg	23.3 kg
Pan-Tilt bracket , transport bag	horizontal bracket, twin road case	horizontal bracket, twin road case

 Touring Series

Technical Data:



Type	PicoSub	TouringLine Compact Bass
Enclosure	15 mm heavily braced Baltic birch plywood w/ Polyurea coating	15 mm heavily braced Baltic birch plywood w/ Polyurea coating
Basic layout	subwoofer, bass reflex tuned	subwoofer, bass reflex tuned
Protective Grille	1.5 mm sheet steel, hex-stamped, black acoustic foam on inside	2.0 mm sheet steel, hex-stamped, black acoustic foam on inside
Components	12" long excursion ND woofer w/ vortex ventilated 3" voice coil	15" long excursion ND woofer w/ vortex ventilated 4" voice coil
Frequency Response	44 Hz–370 Hz +/-3 dB,	33Hz–250Hz +/-3 dB,
Power handling RMS   peak	450 W RMS   1.800 W Peak	1.200 W RMS   4.800 W Peak
Nominal Impedance	8 Ω	8 Ω
Dispersion pattern	Omni directional	Omni directional
Sensitivity	92 dB	96 dB
SPLmax	125 dB (peak) @ 1m	132 dB (peak) @ 1m
Connectors	NL4: 2+/2-	NL4: 2+/2-
Dimensions (w x h x d)	500 x 360 x 450 mm	500 x 500 x 600 mm
net weight	21.4 kg	41,6 kg
Accessories	transport cover	swivel castors, transport cover, front board / wheel board



TouringSub15

15 mm heavily braced Baltic birch plywood w/ Polyurea coating  
subwoofer, bass reflex tuned  
2.0 mm sheet steel, hex-stamped, black  
acoustic foam on inside  
15" long excursion ND woofer  
w/ vortex ventilated 4" voice coil

36Hz–230Hz +/-3 dB,  
1.200 W RMS | 4.800 W Peak  
8 Ω

Omni directional  
96 dB  
132 dB (peak) @ 1m  
NL4: 2+/2-  
450 x 560 x 600 mm  
34 kg

swivel castors, transport cover,  
front board / wheel board

TouringSub18

15 mm heavily braced Baltic birch plywood w/ Polyurea coating  
subwoofer, bass reflex tuned  
2.0 mm sheet steel, hex-stamped, black  
acoustic foam on inside  
18" long excursion ND woofer  
w/ vortex ventilated 4" voice coil

35Hz–230Hz +/-3 dB,  
1.000 W RMS | 4.000 W Peak  
8 Ω

Omni directional  
96 dB  
132 dB (peak) @ 1m  
NL4: 2+/2-  
600 x 740 x 600 mm  
43 kg

swivel castors, transport cover,  
front board / wheel board

TouringInfra

18 and 24 mm heavily braced Baltic birch plywood w/ Polyurea coating  
subwoofer, bass reflex tuned  
2.0 mm sheet steel, hex-stamped, black  
acoustic foam on inside  
18" long excursion ND woofer  
w/ vortex ventilated 5.3" voice coil

28Hz–140Hz +/-3 dB,  
3.500 W RMS | 14.000 W Peak  
4 Ω

Omni directional  
99 dB  
141 dB (peak) @ 1m  
NL4: 2+/2-  
560 x 1300 x 750 mm  
104 kg

swivel castors, transport cover,  
front board / wheel board

*„Before leaving the assembly, every product will be detailed quality checked.  
I shall stand up for this cause personally!“*

**Oliver Pattay**

Director R&D + Manufacturing

# IN VIEW OF YOUR SHOW





# AD i.FLEX SERIES

The AD-Systems i.flex Series includes loudspeakers for fixed installations based on the technical characteristics and developments of Flex Series. Whether intended for small conference rooms, theatres, clubs, adventure parks or stadiums; whether for spacious discotheques, cruise liners or churches, both the service provider and audio technician will find exactly what is necessary for optimal performance.





Requirements deemed essential by our development team include: numerous mounting options, simple usable accessories, individual colour codes for the speakers as well as acoustic compatibility within the series.

All of the i.flex models of this series are characterized by their outstanding mechanical and acoustical designs as well as their optically pleasing designs. All speakers of the i.flex Series are available in the standard colours black and white directly from the factory. RAL colours are available upon request within the shortest time possible.

In order to facilitate the installation of our i.flex-products outdoors, there is a special weather-resistant IP54 version available. The surface of the enclosures is covered with a special plastic coating, and the membranes and drivers are treated with a special procedure to assure protection. Stainless steel only is used for metal parts.

## i.Flex6

The i.Flex6 is a 2-way full range cabinet which is driven by an integrated passive crossover. It is equipped with a direct radiating 6.5" low-mid speaker and a 1" compression driver on a rotatable CD horn.



The horn, with a directivity of  $90^\circ \times 60^\circ$ , can be rotated to reach a coverage of  $60^\circ \times 90^\circ$ . An elaborated passive crossover provides phase corrected alignment of these components. Many flying and mounting points in the i.flex6 are fitted in the enclosure to enable an easy installation with combination of available accessories.

Due to impedance of  $16 \Omega$ , one can easily connect four i.flex6 to one amp-channel. The i.flex6 is suitable for public address applications up to a distance of 10 meters. No system controller is required because of its linear tuning.

### Applications

- Conference-, trainingsrooms
- Sport- and multipurpose hall
- Theatre
- Musicals
- Adventure parks
- Clubs

## i.Flex8

The i.Flex8 is a 2-way full range cabinet which is driven by an integrated passive crossover. It is equipped with a direct radiating 8" low-mid speaker and a 1" compression driver on a rotatable CD horn.



The horn, with a directivity of  $90^\circ \times 60^\circ$ , can be rotated to reach coverage of  $60^\circ \times 90^\circ$ . An elaborated passive crossover provides phase corrected alignment of these components. Many flying and mounting points in the i.flex8 are fitted in the enclosure to enable an easy installation with combination of available accessories.

Due to impedance of  $16 \Omega$ , one can easily connect four i.flex8 to one amp-channel. It is suitable for public address applications up to a distance of 10 meters. No system controller is required because of its linear tuning.

### Applications

- Conference-, trainingsrooms
- Sport- and multipurpose hall
- Theatre
- Musicals
- Adventure parks
- Clubs

## i.Flex10

The i.Flex10 is a 2-way full range cabinet which is driven by an integrated passive crossover.

It is equipped with a direct radiating 10" low-mid speaker and a 1" compression driver on a rotatable CD horn.



The horn, with a directivity of 90° x 60°, can be rotated to reach coverage of 60° x 90°. An elaborated passive crossover provides phase corrected alignment of these components. Many flying and mounting points in the i.flex10 are fitted in the enclosure to enable an easy installation with combination of available accessories.

The i.flex10 is suitable for public address applications up to a distance of 15 meters. No system controller is required because of its linear setup

### Applications

- Conference-, trainingsrooms
- Sport- and multipurpose hall
- Theatre
- Musicals
- Adventure parks
- Clubs

## i.Flex12.1

The i.Flex12.1 is a 2-way full range cabinet which is driven by an integrated passive crossover.

It is equipped with a direct radiating 12" low-mid speaker and a 1" compression driver on a rotatable CD horn.



The new developed horn with a directivity of 75° x 50° with its square opening is rotatable by 90°. Several bass systems are available for applications where an expanded low-end frequency range is required.

The i.flex12.1 is suitable for public address applications up to a distance of 20 meters. Because of its linear setup, no system controller is required.

### Applications

- Conference-, trainingsrooms
- Sport- and multipurpose hall
- Theatre
- Musicals
- Adventure parks
- Clubs

## i.Flex15.1

The i.Flex15.1 is a 2-way full range cabinet which is driven by an integrated passive crossover. It is equipped with a direct radiating 15" low-mid speaker and a 1" compression driver on a rotatable CD horn.



The new developed horn with a directivity of 75° x 50° with its square opening is rotatable by 90°.

Several bass systems are available for applications where an expanded low-end frequency range is required.

The i.Flex15.1 is suitable for public address applications up to a distance of 20 meters. Because of its linear setup, no system controller is required.

### Applications

- Bigger Sport- and multipurpose hall
- Stadiums, riding halls
- Theatre
- Musicals
- Adventure parks
- Clubs

## i.Flex12.2

The i.Flex12.2 is a 2-way full range cabinet which is driven by an integrated passive crossover. It is equipped with a direct radiating 12" low-mid speaker and a 1.4" compression driver on a rotatable CD horn.



The new developed horn with a directivity of 75° x 50° with its square opening is rotatable by 90°.

For applications where an expanded frequency range is required at the low end, several bass systems are available.

The i.Flex12.2 is suitable for public address applications to a distance up to 25 metres. No system controller is required because of its linear tuning.

### Applications

- Bigger Sport- and multipurpose hall
- Stadiums, riding halls
- Theatre
- Musicals
- Adventure parks
- Clubs

## i.Flex15.2

The i.Flex15.2 is a 2-way full range cabinet which is driven by an integrated passive crossover. It is equipped with a direct radiating 15" low-mid speaker and a 1.4" compression driver on a rotatable CD horn.



The new developed horn with a directivity of 75° x 50° with its square opening is rotatable by 90°.

For applications where an expanded frequency range is required at the low end, several bass systems are available.

The i.Flex15.2 is suitable for public address applications to a distance up to 25 metres. No system controller is required because of its linear tuning.

### Applications

- Bigger Sport- and multipurpose hall
- Stadiums, riding halls
- Theatre
- Musicals
- Adventure parks
- Clubs

## i.Flex15B | i.Flex18B

The i.Flex15B and the i.Flex18B is a bass-reflex system and was specially designed to be combined with the other models of the AD-Systems i.flex-Series.

It extends the frequency range of the i.flex models to the lowest range of 38 Hz and withstands a continuous power of 750 W/3.000 W (RMS / peak).



The i.Flex15B and the i.Flex18B has powerful, low distortion features and offers natural reproduction. It necessitates the use of an external active crossover.

The enclosures are made from birch plywood and are painted impact-proof. The front is protected by a rugged grille. It is also covered with interchangeable acoustic foam.

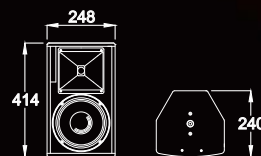
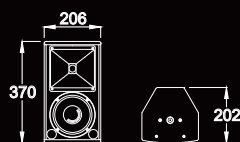
Option: passive X-Over for i.Flex15B

### Applications

- fixed installation for any kind of PA-System
- Sub- and Lo Extension for all kind of speakers

# AD i.Flex Series

## Technical Data:



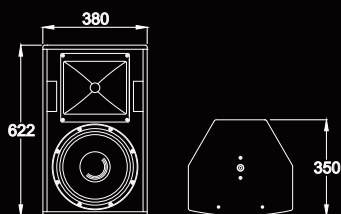
Type	i.Flex6	i.Flex8
Enclosure	12 mm birch plywood with structure paint	12 mm birch plywood with structure paint
Principle	2-way passive system, bass-reflex tuning	2-way passive system, bass-reflex tuning
Protective Grill	1.5 mm grille, covered with acoustic foam	1.5 mm grille, covered with acoustic foam
Components	6.5" low-mid speaker 1" compression driver with 1.4" voice coil rotatable CD-Hornpassive crossover with phase correction	8" low-mid speaker 1" compression driver with 1.4" voice coil rotatable CD-Horn passive crossover with phase correction
Frequency Response	100 Hz–20 kHz	100 Hz–20 kHz
Powerhandling RMS   peak	150 W RMS   600 W Peak	250 W RMS   1.000 W Peak
Impedance	16 Ω	16 Ω
Dispersion	90° x 60°	90° x 60°
Sound Pressure Level	91 dB	95 dB
SPLmax	121 dB   peak   1 m	125 dB   peak   1 m
Connectors	NL4: 1+/1-	NL4: 1+/1-
Dimensions (w x h x d)	206 x 370 x 202 mm	248 x 414 x 240 mm
Weight	8.5 kg	12 kg
Options	100V transformer, special paint	100V transformer, special paint
Accessories	RAL colours horizontal or vertical u-bracket, miscellaneous special mountings	RAL colours horizontal or vertical u-bracket, miscellaneous special mountings



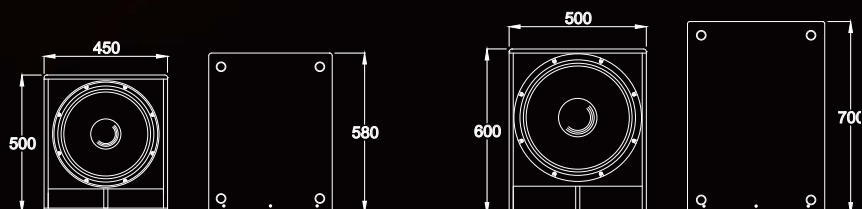
i.Flex10	i.Flex12.1	i.Flex15.1
15 mm birch plywood with structure paint	15 mm birch plywood with structure paint	15 mm birch plywood with structure paint
2-way passive system, bass-reflex tuning	2-way passive system, bass-reflex tuning	2-way passive system, bass-reflex tuning
1.5 mm grille, covered with acoustic foam	1.5 mm grille, covered with acoustic foam	1.5 mm grille, covered with acoustic foam
10" low-mid speaker	12" low-mid speaker	15" low-mid speaker
1" compression driver with 1.4" voice coil rotatable CD-Horn passive cross-over with phase correction	1" compression driver with 1.7" voice coil rotatable CD-Horn passive cross over with phase correction	1" compression driver with 1.7" voice coil rotatable CD-Horn passive crossover with phase correction
85 Hz–20 kHz	75 Hz–19.5 kHz +/-3 dB	70 Hz–19.5 kHz
250 W RMS   1.000 W Peak	400 W RMS   1.600 W Peak	400 W RMS   1.600 W Peak
8 Ω	8 Ω	8 Ω
90° x 60°	75° x 50°	75° x 50°
96 dB	98 dB	98 dB
126 dB   peak   1 m	130 dB   peak   1 m	130 dB   peak   1 m
NL4: 1+/1-	NL4: 1+/1-	NL4: 1+/1-
310 x 480 x 300 mm	380 x 622 x 350 mm	450 x 700 x 435 mm
12 kg	23 kg	28 kg
100V transformer, special paint	100V transformer, special paint	100V transformer, special paint
RAL colours	RAL colours	RAL colours
horizontal or vertical u-bracket, miscellaneous special mountings	horizontal or vertical u-bracket, miscellaneous special mountings	horizontal or vertical u-bracket, miscellaneous special mountings

# AD i.Flex Series

## Technical Data:



Type	i.Flex12.2	i.Flex15.2
Enclosure	15 mm birch plywood with structure paint	15 mm birch plywood with structure paint
Principle	2-way passive system, bass-reflex tuning	2-way passive system, bass-reflex tuning
Protective Grill	1.5 mm grille, covered with acoustic foam	1.5 mm grille, covered with acoustic foam
Components	12" low-mid speaker 1.4" compression driver with 2.5" voice coil rotatable CD-Horn passive crossover with phase correction	15" low-mid speaker 1.4" compression driver with 2.5" voice coil rotatable CD-Horn passive crossover with phase correction
Frequency Response	75 Hz–18 kHz	70 Hz–18 kHz
Powerhandling RMS   peak	450 W RMS   1.800 W Peak	450 W RMS   1.800 W Peak
Impedance	8 Ω	8 Ω
Dispersion	75°x50°	75°x50°
Sound Pressure Level	98 dB	98 dB
SPLmax	131 dB   peak   1 m	131 dB   peak   1 m
Connectors	NL4: 1+/1-	NL4: 1+/1-
Dimensions (w x h x d)	380 x 622 x 350 mm	450 x 700 x 435 mm
Weight	24.5 kg	30.5 kg
Options	100V transformer,	100V transformer,
Accessories	special paint RAL colours horizontal or vertical u-bracket, miscellaneous special mountings	special paint RAL colours horizontal or vertical u-bracket, miscellaneous special mountings



Type	i.Flex15B	i.Flex18B
Enclosure	15 mm birch plywood with structure paint	15 mm birch plywood with structure paint
Principle	bass-reflex tuning	bass-reflex tuning
Protective Grill	1.5 mm grille, covered with acoustic foam	1.5 mm grille, covered with acoustic foam
Components	15" long excursion woofer with 4" voice coil,	18" long excursion woofer with 4" voice coil,
Frequency Response	42 Hz–250 Hz	38 Hz–250 Hz
Powerhandling RMS   peak	750 W RMS   3.000 W Peak	800 W RMS   3.200 W Peak
Impedance	8 Ω	8 Ω
Dispersion	omnidirectional	omnidirectional
Sound Pressure Level	94 dB	96 dB
SPLmax	130 dB   peak   1 m	132 dB   peak   1 m
Connectors	NL4: 2+/2-	NL4: 2+/2-
Dimensions (w x h x d)	450 x 500 x 580 mm	500 x 600 x 700 mm
Weight	29 kg	38 kg
Options	100V transformer,	100V transformer,
Accessories	special paint RAL colours	special paint RAL colours

The products of the Flex-Series are versatile and innovative audio tools for professionals and zealous users. The Flex-Series consists of 5 models: Flex8, Flex12, Flex12 as mid-high units and Flex15B as sub-speakers.

All mid-high units have been constructed with asymmetrical enclosures, and they are able to be used as monitor and FoH speakers.

The horns of the Flex-Series have been newly developed, and they have perfect physical properties. They combine square angles, precise directivity and very low distortion. They are the basis for very high speech intelligibility.

# Flex Series



All models are equipped with neodymium components, and compared with conventional speakers, they have a massive weight advantage. There are assembly points on the bottom of Flex8 on which one can mount additional accessories, such as an adaptor M10 to flange.

The Flex8 and Flex15 are equipped with 2 NL4 connectors on the rear and 2 NL4 on the bottom. The Flex12 is equipped with 2 NL4 on the rear, with one on the top and one on the bottom. The special design of the Flex12 enables four handles to be integrated into the enclosure. The Flex12 has an extremely low sight line, symmetrical enclosure and very low weight.

The subs of the Flex-Series are very compact and with their high performance the best companions for the Flex-Series mid-high units.

The specifications of the Flex15B and Flex18B are high impulse, acoustical optimized enclosure constructions, M20 pole mounting on the top as well as ergonomic handles.



# Flex8

The Flex8 is a very compact bi-functional loudspeaker and is equipped with an 8" cone loudspeaker and a 1" high frequency driver. The 90° x 60° radiating horn is rotatable to achieve a 60° x 90° directivity.

## Applications

- Small Front of house system
- Compact monitor
- Frontfill / Nearfill / Background

## Features

- Passive 8" / 1" loudspeaker system
- Rotatable CD horn
- Bi-functional enclosure design
- U-bracket
- Wide range of accessories

A complex passive crossover matches the components working perfectly together and allows full-range application without additional electronics.

You can use the Flex8 as a small FoH speaker, as a compact wedge, as a near-fill, or in combination with our Flex-Series Subs as a mid-high unit.

For easy and efficient cable connection as a wedge or near-fill, 4 Speakon NL4 are available. Two connectors are on the bottom and two are on the rear of the enclosure.



# Flex12

The Flex12 is a compact bi-functional high power loudspeaker and comes equipped with a 12" cone loudspeaker and a 1" high frequency driver. The 75° x 50° radiating horn is rotatable and can achieve 50° x 75° directivity.

## Applications

- Front of house system
- Wedge
- Frontfill / Nearfill / Background

## Features

- Passive 12" / 1" loudspeaker system
- Rotatable CD horn
- Bi-functional enclosure design
- U-bracket
- Wide range of accessories

A complex passive crossover matches the components working perfectly together and allows a full-range application without additional electronics. The enclosure of the Flex12 is angle symmetrical and allows mirrored use.

The Flex12 is a universal tool which can be used as a small FoH speaker, as a compact wedge with very low profile, and in combination with our Flex-Series Subs, as a mid-high unit.

For easy and efficient cable connection as a wedge or near-fill, 4 Speakon NL4 connectors are available, 2 on the rear and 1 NL4 each on the top and on the bottom.



# Flex15

The Flex15 is a bi-functional high power loudspeaker and is equipped with a 15" cone loudspeaker and a 1" high frequency driver. The 75° x 50° radiating horn is rotatable and can achieve a 50° x 75° directivity.

## Applications

- Front of house system
- Wedge
- Frontfill / Nearfill / Background

A complex passive crossover matches the components working perfectly together and allows for a full-range application without additional electronics.

The Flex15 is a universal tool which can be used as a FoH speaker, as well as a wedge in combination with our Flex-Series Subs as a mid-high unit.

## Features

- Passive 15"/1" loudspeaker system
- Rotatable CD horn
- Bi-functional enclosure design
- U-bracket
- Wide range of accessories

For easy and efficient cable connection as a wedge or near-fill, 4 Speakon NL4 are available. There are two connectors on the rear and two on the bottom.



## ►Flex15B

The Flex15B is a compact bass reflex system and has been developed to be combined with the Flex-Series mid high units Flex8, Flex12 and Flex15.

### Applications

- Front-, Side-, Drumfill
- Fixed installation
- PA-System for clubs, discotheques, mobile DJs
- bass extension for PA-systems of any kind

### Features

- High-power compact subwoofer
- Weight reduced neodymium speakers
- 15" long excursion woofer
- Bass reflex tuning
- Pole mounting plate
- Max. SPL 128dB (Flex15B)

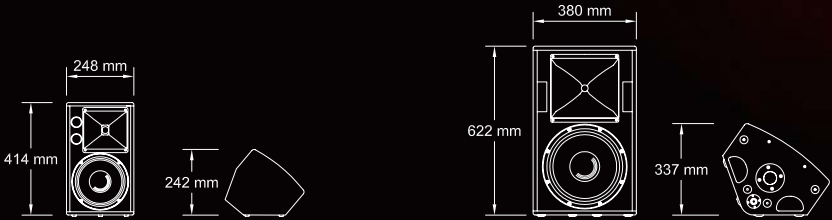
Thanks to its neodymium speaker, it is characterized by its extremely compact dimensions and its light weight.

The Flex15B can be equipped with an optional switchable passive crossover offering sophisticated high-pass and lowpass filtering and therewith enabling the use of compact satellite systems without additional electronics.

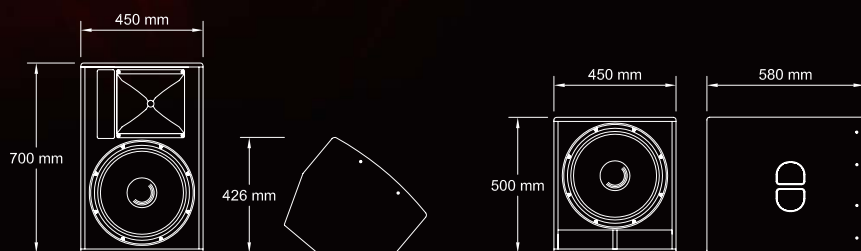


 Flex Series

Technical Data:



Type	Flex8	Flex12
Enclosure	12 mm birch plywood with structure paint and monitor angles	15 mm birch plywood with structure paint and monitor angles
Principle	2-way passive system, bass-reflex tuning	2-way passive system, bass-reflex tuning
Protective Grill	1.5 mm grille, covered with acoustic foam	1.5 mm grille, covered with acoustic foam
Components	8" neodymium low-mid speaker 1" ND compression driver with 1.7" voice coil rotatable CD-Horn passive crossover with phase correction	12" neodymium low-mid speaker 1" ND compression driver with 1.7" voice coil rotatable CD-Horn passive crossover with phase correction
Frequency Response	100 Hz–20 kHz +/-3 dB	75 Hz–19.5 kHz +/-3 dB
Powerhandling RMS   peak	250 W RMS   1.000 W Peak	400 W RMS   1.600 W Peak
Impedance	16 Ω	8 Ω
Dispersion	90° x 60°	75° x 50°
Sound Pressure Level	95 dB	98 dB
SPLmax	125 dB   peak   1 m	130 dB   peak   1 m
Connectors	NL4: 1+/-1- on rear and bottom (2 each)	NL4: 1+/-1- on rear, top and bottom
Dimensions (w x h x d)	248 x 414 x 224 mm	380 x 622 x 293 mm
Weight	9 kg	19 kg
Options	U-bracket, quad flight case	U-bracket, double flight case
Accessories	transport cover, transport bag	transport cover



Flex15

Flex15B

15 mm birch plywood  
with structure paint and monitor angles

2-way passive system,  
bass-reflex tuning

1.5 mm grille, covered with  
acoustic foam

15" neodymium low-mid speaker  
1" ND compression driver with 1.7" voice  
coil rotatable CD-Horn passive crossover  
with phase correction

70 Hz–19.5 kHz +/-3 dB

400 W RMS | 1.600 W Peak

8 Ω

75° x 50°

98 dB

130 dB | peak | 1 m

NL4: 1+/-1- on rear and bottom (2 each)

450 x 700 x 390 mm

22 kg

U-bracket, double flight case  
transport cover

15 mm birch plywood  
with structure paint

subwoofer, bass-reflex tuning

1.5 mm grille,  
covered with acoustic foam

15" neodymium long excursion woofer

43 Hz–500 Hz +/-3 dB

500 W RMS | 2.000 W Peak

8 Ω

omnidirectional

95 dB

128 dB | peak | 1 m

NL4: 2+/-2-

450 x 500 x 580 mm

22 kg

Wheel-set, transport cover  
passive XO



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