

ARK COLUMN series



**ARK
COLUMN**

ARK COLUMN series represents the new sound solution in the professional installation sector with a special focus on aesthetics. More compact full-range speakers with 2 and 4 transducers of 3" are suitable for small and medium installations.

The modules with 8 transducers of 3" can be configured in vertical array too and represent the solution to sound in deep environments particularly difficult, where quality and intelligibility are required.

ARK COLUMN series speakers can be used in higher performance systems in combination with the sub.

SMART and PLUS solutions are plug and play amplified configurations and represent just one of the many ways to use the ARK COLUMN speakers.

Column modules with off-axis transducers for wide horizontal dispersion.

Aluminum frame for a very robust yet lightweight design that fits in with any environment.

Multi-layer amplifier subwoofer units with 2x700W amplification system and dedicated output for the middle section.

Factory presets or configurable by the customer, to allow the maximum flexibility of use.

Available in passive version with amplification and dedicated preset files, in either white or black colors.



ARK803AP

Column line array loudspeaker module, 200W AES, 120dB SPL.

- Mid frequency: 8x3" midrange / 0.75" v.c.
- Frequency response: 135-17000 Hz (± 3 dB)
- Coverage angle HxV: 115x20°
- The modules with 8 transducers of 3" can be configured in vertical array too and represent the solution to sound in deep environments particularly difficult, where quality and intelligibility are required. Column modules with an off-axis transducer for wide horizontal dispersion.
- Aluminium frame for a very robust yet lightweight design that fits in with any environment

Versions:

ARK803APBK (Black finish)

ARK803APWH (White finish)

ARK803AP



8x3"



115°x20°



RIGGING



DEDICATED PRESET

ARK803AP TECHNICAL DATA

LOUDSPEAKERS

- System type: column loudspeaker

COMPONENTS

- Mid frequency: 8x3" midrange / 0.75" v.c.

FEATURES

- AES/program power: 200/400W
- SPL max: 120dB @1m (free field)

ACOUSTICAL SPECIFICATIONS

- Sensitivity: 95dB @1W/1m (free field)
- Impedance: 16 Ohm
- SPL cont/peak: 114/120dB @1m (free field)
- Frequency response: 135-17000Hz (± 3 dB)
- Coverage angle HxV: 115x20°
- Suggest LPF range: 140/180Hz
- Recommended amplifier up to: 400W /16Ohm

INPUT/OUTPUT CONNECTORS

- Input signal: jack 6.35 mm/NL4 IN/OUT

CABINET CONSTRUCTION

- Cabinet material: 3mm aluminum die cast
- Suspension system: support with signal connection

PHYSICAL

- Dimensions (WxHxD): 110x770x148mm
- Weight: 7.6kg

ARKPWB701



700W amplified base
for ARK803AP column
loudspeakers

- DSP with 4 presets (1 unit, 2 units, 120Hz HPF, 180Hz HPF) for selection of optimal frequency response

ARKPWB701 TECHNICAL DATA

AMPLIFIER

- Channels: 1
- Circuit class: digital

OUTPUT

- Single channel power: 700W 8 Ohm

AUDIO SPECIFICATIONS

- Frequency response: 20 - 20000Hz @ 8 Ohm (± 0.5 dB)
- THD+N:
- Slew rate: $>30V/\mu s$ @ 8 Ω
- Damping factor: >1000
- Input impedance: 10k Ω
- Signal/Noise rate: >100 dB

POWER SUPPLY STAGE

- Operating voltage/frequency: 220 V $\pm 10\%$, 50Hz

PROTECTIONS

- Input: Clip/limit, progressive volume
- Output: Soft-start, short circuit, DC, overheat

FUNCTIONS

- Input sensitivity: 4 dBu (1,228Vrms) adjustable
- User controls: 1 unit, 2 units, 120Hz HPF, 180Hz HPF

INPUT/OUTPUT CONNETTORS

- Input signal: XLR in/out
- Output signal: jack 6.35 mm
- Power connection: PowerCON IN/OUT

PHYSICAL

- Dimensions (WxHxD): 500x650x500mm
- Weight: 8.8kg

Versions:

ARKPWB701BK (Black finish)

ARKPWB701WH (White finish)

ARK680SE



Support element for column
loudspeakers

- Aluminum cabinet
- Symmetrical trapezoidal profile
- Connections for the high middle unit integrated inside the cabinet
- Applications: to distract the mid-range speaker from the sub

Versions:

ARK680SEBK (Black finish)

ARK680SEWH (White finish)

ARKBASE

Metal support for ground column sound system installation.

- Compatible with ARK803AP / ARK680SE



Versions:

ARKBASEBK (Black finish)

ARKBASEWH (White finish)

ARK203MP



2x3"



115°x40°



WALL MOUNT



ARK203MP

Wall mounted column loudspeaker, 50W AES, 108dB SPL

- Mid frequency: 2x3" midrange / 0.75" v.c.
- Frequency response: 135-17000 Hz (±3dB)
- Coverage angle HxV: 115x40°
- The modules with 2 transducers of 3" represent the solution to sound in environments particularly difficult, where quality and intelligibility are required.
- Column modules with an off-axis transducer for wide horizontal dispersion.
- Aluminium frame for a very robust yet lightweight design that fits in with any environment.

Versions:

ARK203MPBK (Black finish)

ARK203MWH (White finish)

ARK203MP TECHNICAL DATA

LOUDSPEAKERS

- System type: column loudspeaker

COMPONENTS

- Mid frequency: 2x3" midrange / 0.75" v.c.

FEATURES

- AES/program power: 50/100W
- SPL max: 108dB @1m (free field)

ACOUSTICAL SPECIFICATIONS

- Sensitivity: 89dB @1W/1m (free field)
- Impedance: 16 Ohm
- SPL cont/peak: 102/108dB @1m (free field)
- Frequency response: 135-17000Hz (±3dB)
- Coverage angle HxV: 115x40°
- Suggest HPF range: 140/180Hz
- Recommended amplifier up to: 100W /16Ohm

INPUT/OUTPUT CONNECTORS

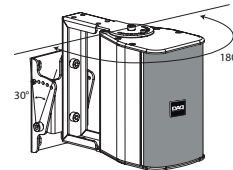
- Input signal: XLR IN/OUT, pin RCA unbal.

CABINET CONSTRUCTION

- Cabinet material: 3mm aluminum die cast
- Suspension system: wall brackets (included)

PHYSICAL

- Dimensions (WxHxD): 110x180x148mm
- Weight: 2.2kg



The brackets allow a rotation on the horizontal plane of 180° to step of 15° and a tilt on the vertical plane of 30° to 8° step.



Screw for the rotation on the horizontal plane.

ARK403MP



4x3"



115°x20°



WALL MOUNT



ARK403MP

Wall mounted column loudspeaker, 100W AES, 114dB SPL

- Mid frequency: 4x3" midrange / 0.75" v.c.
- Frequency response: 135-17000 Hz (± 3 dB)
- Coverage angle HxV: 115x20°
- The modules with 4 transducers of 3" represent the solution to sound in deep environments particularly difficult, where quality and intelligibility are required.
- Column modules with an off-axis transducer for wide horizontal dispersion.
- Aluminium frame for a very robust yet lightweight design that fits in with any environment.

Versions:

ARK403MPBK (Black finish)

ARK403MWH (White finish)

ARK403MP TECHNICAL DATA

LOUDSPEAKERS

- System type: column loudspeaker

COMPONENTS

- Mid frequency: 4x3" midrange / 0.75" v.c.

FEATURES

- AES/program power: 100/200W
- SPL max: 114dB @1m (free field)

ACOUSTICAL SPECIFICATIONS

- Sensitivity: 92dB @1W/1m (free field)
- Impedence: 8 Ohm
- SPL cont/peak: 108/114dB @1m (free field)
- Frequency response: 135-17000Hz (± 3 dB)
- Coverage angle HxV: 115x20°
- Suggest HPF range: 140/180Hz
- Recommended amplifier up to: 200W /8Ohm

INPUT/OUTPUT CONNECTORS

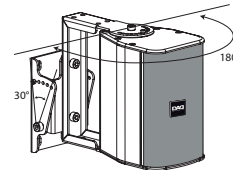
- Input signal: XLR IN/OUT, pin RCA unbal.

CABINET CONSTRUCTION

- Cabinet material: 3mm aluminum die cast
- Sospension system: wall brakets (included)

PHYSICAL

- Dimensions (WxHxD): 110x350x148mm
- Weight: 5.8kg



The brackets allow a rotation on the horizontal plane of 180° to step of 15° and a tilt on the vertical plane of 30° to 8° step.



Screw for the rotation on the horizontal plane.



ARK803MP

Wall mounted column loudspeaker, 200W AES, 120dB SPL

- Mid frequency: 8x3" midrange / 0.75" v.c.
- Frequency response: 135-17000 Hz (± 3 dB)
- Coverage angle HxV: 115x20°
- The modules with 8 transducers of 3" represent the solution to sound in deep environments particularly difficult, where quality and intelligibility are required.
- Column modules with an off-axis transducer for wide horizontal dispersion.
- Aluminium frame for a very robust yet lightweight design that fits in with any environment.

Versions:

ARK803MPBK (Black finish)

ARK803MPWH (White finish)

ARK803MP



8x3"



115°x20°



WALL MOUNT

ARK803MP TECHNICAL DATA

LOUDSPEAKERS

- System type: column loudspeaker

COMPONENTS

- Mid frequency: 8x3" midrange / 0.75" v.c.

FEATURES

- AES/program power: 200/400W
 - SPL max: 120dB @1m (free field)
- ### ACOUSTICAL SPECIFICATIONS
- Sensitivity: 95dB @1W/1m (free field)
 - Impedance: 16 Ohm
 - SPL cont/peak: 114/120dB @1m (free field)
 - Frequency response: 135-17000Hz (± 3 dB)
 - Coverage angle HxV: 115x20°
 - Suggest HPF range: 140/180Hz
 - Recommended amplifier up to: 400W / 16Ohm

INPUT/OUTPUT CONNECTORS

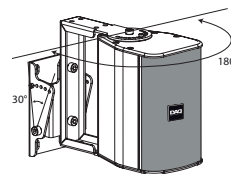
- Input signal: XLR IN/OUT, pin RCA unbal.

CABINET CONSTRUCTION

- Cabinet material: 3mm aluminum die cast
- Suspension system: wall brackets (included)

PHYSICAL

- Dimensions (WxHxD): 110x690x148mm
- Weight: 7.5kg



The brackets allow a rotation on the horizontal plane of 180° to step of 15° and a tilt on the vertical plane of 30° to 8° step.



Screw for the rotation on the horizontal plane.



ARK112SA

Bass-reflex active subwoofer,
2x700W D-class amplifier,
124dB SPL

- Low frequency: 12" woofer/3" v.c.
- Frequency response: 40-200 Hz (±3dB)
- Built-in DSP: fully adjustable.
- ARK112SA amplified subwoofer speaker can drive up to 2 column speakers of the ARK column series plus an additional ARK112SP passive subwoofer.
- Signal connection between the subwoofer and medium-high column units via a connector integrated with the loudspeaker.
- The DAD logo on the grille can be rotated rapidly for the both vertically and horizontally installation.
- Birch plywood enclosure.

Versions:

ARK112SABK (Black finish)

ARK112SPBK (Black finish)

ARK112SP

Bass reflex passive subwoofer,
400W AES, 125dB SPL

- Low frequency: 12" woofer/3" v.c.
- Frequency response: 40-200 Hz (±3dB)
- ARK112SP subwoofer speaker is the ideal complement to column loudspeakers for reinforcing low notes.
- Signal connection between the subwoofer and medium-high column units via a connector integrated with the loudspeaker.
- The DAD logo on the grille can be rotated rapidly for the both vertically and horizontally installation.
- Birch plywood enclosure.

ARK112SAWH (White finish)

ARK112SPWH (White finish)

ARK112S



12"



DIGITAL AMP*



DSP*



RIGGING



DEDICATED PRESET**

ARK112SA TECHNICAL DATA

LOUDSPEAKERS

- System type: active subwoofer
- COMPONENTS
- Low frequency: 12" woofer/3" v.c.

FEATURES

- Built-in amp LF/MF-HF: 700+700W /4Ohm
- Built-in DSP: DSP fully adjustable

ACOUSTICAL SPECIFICATIONS

- SPL cont/peak: 118/124dB @1m (free field)
- Frequency response: 40-200Hz (±3dB)
- Coverage angle HxV: omnidirectional
- Suggest LPF range: 120/200Hz

ELECTRONICS

- Amplifier: digital
- Power: 700 +700W /4Ohm
- Input sensitivity: 4 dBu (1,228Vrms) adjustable
- Protection: limiter temp.
- User controls: mic, line, master, eq LF-HF
- Built-in DSP: 28/56bit
- Operating voltage/frequency: 220 V~240 V/50 Hz

INPUT/OUTPUT CONNECTORS

- Input signal: XLR IN/OUT
- Output signal: 2 x 4 pole
- Data: USB port
- Power connection: powerCON IN/OUT

CABINET CONSTRUCTION

- Cabinet material: 15mm plywood
- Suspension system: support with signal connection
- Handles: 2 on side, 1 top

PHYSICAL

- Dimensions (WxHxD): 362x520x470mm
- Weight: 24.1kg

ARK112SP TECHNICAL DATA

LOUDSPEAKERS

- System type: passive subwoofer
- COMPONENTS
- Low frequency: 12" woofer/3" v.c.

FEATURES

- AES/program power: 400/800W
- SPL max: 125dB @1m (free field)

ACOUSTICAL SPECIFICATIONS

- Sensitivity: 96dB
- Impedance: 8
- SPL cont/peak: 119/125dB @1m (free field)
- Frequency response: 40-200Hz (±3dB)
- Coverage angle HxV: omnidirectional
- Suggest LPF range: 100/160Hz
- Recommended amplifier up to: 800W

INPUT/OUTPUT CONNECTORS

- Input signal: jack 6.35 mm/NL4 IN/OUT
- Output signal: jack 6.35 mm, 4 pole IN/OUT

CABINET CONSTRUCTION

- Cabinet material: 15mm plywood
- Suspension system: support with signal connection
- Handles: 2 on side, 1 top

PHYSICAL

- Dimensions (WxHxD): 362x520x470mm
- Weight: 21.9kg

*active version only
**passive version only



ARK2V8SA

Bass-reflex active subwoofer,
2x700W D-class amplifier,
122dB SPL

- Low frequency: 2x8" woofer/3" v.c.
- Frequency response: 40-200 Hz (±3dB)
- Built-in DSP: DSP fully adjustable
- ARK2V8SA amplified subwoofer speaker can drive up to 2 column speakers of the ARK column series plus an additional ARK208SP passive subwoofer.
- Signal connection between the subwoofer and medium-high column units via a connector integrated with the loudspeaker.
- The DAD logo on the grille can be rotated rapidly for the both vertically and horizontally installation.
- Birch plywood enclosure.

Versions:

ARK2V8SABK (Black finish)

ARK2V8SABK (Black finish)

ARK2V8SP

Bass reflex passive subwoofer,
400W AES, 122dB SPL

- Low frequency: 2x8" woofer/3" v.c.
- Frequency response: 40-200 Hz (±3dB)
- ARK2V8SP subwoofer speaker is the ideal complement to column loudspeakers for reinforcing low notes.
- Signal connection between the subwoofer and medium-high column units via a connector integrated with the loudspeaker.
- The DAD logo on the grille can be rotated rapidly for the both vertically and horizontally installation.
- Birch plywood enclosure.

ARK2V8SPWH (White finish)

ARK2V8SPWH (White finish)

ARK2V8S



2x8"



DIGITAL AMP*



DSP*



RIGGING



DEDICATED PRESET**

ARK2V8SA TECHNICAL DATA

LOUDSPEAKERS

- System type: active subwoofer

COMPONENTS

- Low frequency: 2x8" woofer/3" v.c.

FEATURES

- Built-in amp LF/MF-HF: 700+700W /40hm
- Built-in DSP: DSP fully adjustable

ACOUSTICAL SPECIFICATIONS

- SPL cont/peak: 116/122dB @1m (free field)
- Frequency response: 40-200Hz (±3dB)
- Coverage angle HxV: omnidirectional
- Suggest LPF range: 120/200Hz

ELECTRONICS

- Amplifier: digital
- Power: 700+700W /40hm
- Input sensitivity: 4 dBu (1,228Vrms) adjustable
- Protection: limiter temp.
- User controls: mic, line, master, eq LF-HF
- Built-in DSP: 28/56bit
- Operating voltage/frequency: 220 V~240 V/50 Hz

INPUT/OUTPUT CONNECTORS

- Input signal: XLR IN/OUT
- Output signal: 2 x 4 pole
- Data: USB port
- Power connection: powerCON IN/OUT

CABINET CONSTRUCTION

- Cabinet material: 15mm plywood
- Sospension system: support with signal connection
- Handles: 1 top

PHYSICAL

- Dimensions (WxHxD): 260x660x365mm
- Weight: 18.4kg

ARK2V8SP TECHNICAL DATA

LOUDSPEAKERS

- System type: passive subwoofer

COMPONENTS

- Low frequency: 2x8" woofer/3" v.c.

FEATURES

- AES/program power: 400/800W
- SPL max: 122dB @1m (free field)
- Sensitivity: 93dB @1W/1m (free field)
- Impedence: 8
- SPL cont/peak: 116/122dB @1m (free field)

- Frequency response: 40-200Hz (±3dB)

- Coverage angle HxV: omnidirectional

- Suggest LPF range: 100/160Hz

- Recommended amplifier up to: 1200W

INPUT/OUTPUT CONNECTORS

- Input signal: XLR IN/OUT, jack 6.35 mm

CABINET CONSTRUCTION

- Cabinet material: 15mm plywood
- Sospension system: support with signal connection
- Handles: 1 top

PHYSICAL

- Dimensions (WxHxD): 260x660x365mm
- Weight: 17.1kg

*active version only
**passive version only

ARKSMART ARKPLUS ARKLINEA



ARKSMART1

ARK2V8SA + ARK680SE + AKR803AP

ARKSMART2

ARK2V8SA + ARK803AP + ARK803AP

ARKSMART3

ARK2V8SA + ARK2V8SP + 2x ARK803AP

ARKPLUS1

ARK1 12SA + ARK680SE + AKR803AP

ARKPLUS2

ARK1 12SA + ARK803AP + ARK803AP

ARKPLUS3

ARK1 12SA + ARK1 12SP + 2x ARK803AP

ARKLINEA1

ARKPWB701 + AKR803AP

ARKLINEA2

ARKPWB701 + 2x ARK803AP