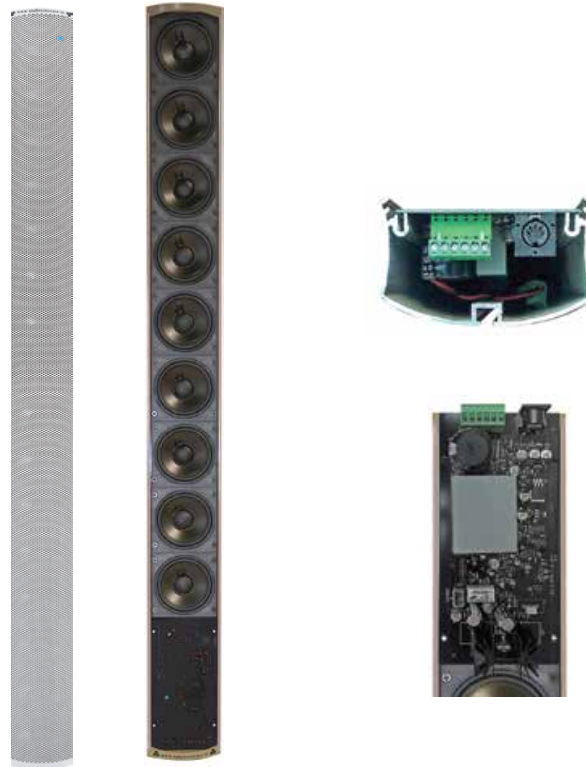


# Digital Active/Passive Line Array

**DALH7102**  
**DALH8102**  
**DALH9102**



## DESCRIPTION:

3 Different line array speakers dedicated to ONE-PoS technology:

- **DALH7102 drivers full range 3.5"**
- **DALH8102 drivers full range 3.5"**
- **DALH9102 drivers full range 3.5"**

DAL Line Array consists of 3.5" drivers at high efficiency mounted on self-supporting basket that ensures the entire array the audio desired accuracy both in the vertical and horizontal axes. The robust mechanical structure, obtained from an extruded aluminum, is designed to have the best compromise between design and pursued audio features without creating acoustic intersections.

DAL series, thanks to its design, is able to fit discreetly in each structure. The standard colors are white RAL 9010 and the volcano RAL 7006. The speakers can be produced in any RAL colors on request. The speaker is isolated by 3 absorbing materials which avoid rear dispersion and reflection.

The slightly curved acoustic grid (with a side cut angle identical to the lateral shaping which makes the final look more harmonic) is designed to have the lowest noise impact without interfering on the audio spectrum, thanks to the open area ratio. Each model contains the control electronics DIGITAL ACTIVO equipped with ONE-PoS technology, that can split the audio signal from the power "demux" signal. In addition, the board is equipped with built-in amplifier and DSP that lets you control each speaker independently.

# Digital Active/Passive Line Array

## FEATURE:

- Acoustic beam control to 15-30 meters
- Vertical beam steering 25°
- 2 - wire operation
- Power/signal demux
- DSP on board
- Equalizations settings
- Anti bump circuit
- Slimline aesthetic construction
- Low vertical dispersion
- 160° Horizontal dispersion
- Reverse polarity protection
- Free control app Android/Apple
- Flexible mounting system for horizontal and vertical alignment

## SPECIFICATIONS:

Model	DALH7102	DALH8102	DALH9102
Technology	DSP an ONE demux	DSP an ONE demux	DSP an ONE demux
DSP	28/56 bit- 48kHz	28/56 bit- 48kHz	28/56 bit- 48kHz
Vertical Beam Steering Angle	25°	25°	25°
Focus Control	250 - 1800Hz	250 - 1800Hz	250 - 1800Hz
Acoustic Beam Distance	Controlled 15-20m	Controlled 20-25m	Controlled 25-30m
Distance For Short Messages	Intelligibility upto 30m	Intelligibility upto 30m	Intelligibility upto 30m
Distance For Constant Use	Intelligibility 15-20m	Intelligibility 20-25m	Intelligibility 25-30m
Integrated Power Amps	4 x class D	4 x class D	4 x class D
Output Power	50W RMS ( 100W peak)	50W RMS ( 100W peak)	50W RMS ( 100W peak)
	at 8 ohms	at 8 ohms	at 8 ohms
Protection	input signal, revese polarity, short circuit	input signal, revese polarity, short circuit	input signal, revese polarity, short circuit
Anti Bump	At switch on and switch off	At switch on and switch off	At switch on and switch off
Equalisation	filter settings using proprietary controller	filter settings using proprietary controller	filter settings using proprietary controller
Bandwidth	80 to 18000Hz	80 to 18000Hz	80 to 18000Hz
S/N Ratio	>98dB;distortion <0.3%	>98dB;distortion <0.3%	>98dB;distortion <0.3%
Cooling	Passive	Passive	passive
Power Input	40-45V from (ALL-ONE)	40-45V from (ALL-ONE)	40-45V from (ALL-ONE)
Signal Input	ONE enmux (from ALL ONE)	ONE enmux (from ALL ONE)	ONE enmux (from ALL ONE)
Dimensions	560X100X50mm (HxWxD)	1037X100X50mm (HxWxD)	1314X100X50mm (HxWxD)
Weight	3.50kg	6.90kg	8.50kg