



# KYDO

## 60 Watt Design column speaker

### ► Features

- High quality column loudspeaker
- Slim & elegant aluminum design
- 6 x 2" full range speaker section
- Optimal distribution for reverberant venues
- Excellent speech intelligibility
- 100V multitap transformer with bypass
- Multifunctional swiveling & tilting bracket
- Recommended listening area up to 8 meters

### ► Applications

- Houses of worship
- Auditoria
- Presentation rooms
- Meeting rooms
- Public & office buildings
- Train stations, airports



The KYDO is a design column speaker with an extraordinary sound and surprisingly high power which lends itself to a wide variety of applications in acoustic difficult environments such as churches, auditoria, presentation and meeting rooms where audibility and intelligibility of music and speech has high importance.

The speaker section consists of 6 x 2" high-quality broadband loudspeakers which are delivering an extraordinary sound clarity. The overall RMS power handling reaches 60 Watt and the beamwidth of 170° x 45° makes it the perfect match for acoustically difficult venues, reducing echo and microphone feedback which optimizes the speech intelligibility in reverberant venues.

A multi-tapping line transformer allows the speaker to be connected in 100 Volt public address systems with four different power tapplings for 20 Watt, 10 Watt, 5 Watt and 2.5 Watt which are adjustable using a recessed adjuster screw. Switching to 12 Ohms for use in standard low impedance audio systems is possible using an internally hidden switch.

The housing is a slim and elegant constructed entity using high quality aluminum materials while the front is covered by a fine perforated powder coated steel grill.

The mounting of the speaker can be done using the included multi-functional wall bracket allowing swiveling to the side and down-tilting for perfect directional placement. The hook-in and screw locking structure offers a great installers convenience.

### ► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	Broadband column
Max power	120 Watt
RMS power	60 Watt
Impedance	12 Ohm
Line transformer power taps	20 Watt / 500 Ohm 10 Watt / 1000 Ohm 5 Watt / 2000 Ohm 2.5 Watt / 4000 Ohm
Sensitivity (1W/1m)	90 dB
Sound pressure (Max W/1m)	106 dB
Frequency response (± 3 dB)	100 Hz - 17 kHz
Frequency response (-10 dB)	80 Hz - 19 kHz
Horizontal dispersion (1)	170°
Vertical dispersion (1)	45° off axis
IP rating (Ingress Protection)	40
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	70 x 546 x 101 mm (excl bracket) 70 x 546 x 169 mm (incl bracket)
Weight net	2.5 Kg
Drivers	6 x 2" full range
Connectors	3-pin terminal block
Mounting & handling	Included multi-functional wall bracket
Construction	Elegant aluminum enclosure
Front finish	Finely powder coated steel grill
Swiveling / tilting	Left & right 0 ~ 80° Bottom 0 ~ 10°
Available colours	KYDO/W White (RAL9010) KYDO/B Black (RAL9005)
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	3.35 Kg - 0.022 Cbm
Accessories included	Wall mounting bracket
(1) Average 100 Hz to 10 kHz at -6 dB	
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.	

## ► Architects' and Engineers' Specifications

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The loudspeaker must be a surface-mount column type, consisting of a 6 x 2" full range driver speaker section which is fitted inside a slim and elegant designed enclosure. It shall be fitted with a multi-tapping line transformer allowing the speaker to be used in 100 Volt public address systems or standard low impedance audio systems.

It must have an RMS power handling of 60 Watt with a maximum power handling of 120 Watt and the frequency response ( $\pm 3$  dB) must range from 100 Hz to 17 kHz. The sensitivity must be 90 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level must reach 106 dB. The nominal dispersion shall be a 170° horizontal and 45° off axis vertical coverage pattern at -6dB (average 100 Hz - 10 kHz).

The line transformer power rating shall be selectable using a recessed adjuster screw and include 20 Watt, 10 Watt, 5 Watt and 2.5 watt tapplings. An internally hidden switch shall allow switching to a 12 Ohm impedance. Fast and reliable connection of the system shall be possible using a 3-pin terminal block connector.

The speakers enclosure shall be constructed of high-quality aluminum materials with a fine perforated steel grill front finishing which comes available in both white (RAL9010) and black (RAL9005) colours. Optimal directional placement shall be possible through the included multi-functional wall bracket allowing side swiveling over a range of 0° to 80° in both directions and down tilting with an angle up to 10°.

The speakers' enclosure shall be 546 mm high, 70 mm wide and 169 mm deep (including the mounting bracket) and the weight shall not exceed 2.5 Kg.

## ► Technical drawing

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