

Altea
duo



ALTEA DUO 20A

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 24/05/2024



SOUND WITH SOUL

KEY FEATURES

- 3-Way Powered portable column system
- 2000W peak
- 127 dB max peak SPL
- 2 x 10" compact subwoofer
- 4 x 3" + 1 x 1" Neodymium Compression driver
- Ultra lightweight Class D 2CH amplifier with SMPS
- Stereo music streaming in high definition, DASLink GM
- User definable 24-bit DSP with LCD screen, DAScontrol
- 3 voicing presets, 3 Band EQ
- Ultra-Low Power consumption 1.5A at 230V

DESCRIPTION

The Altea duo-20A is a 3-way ABS-injected powered portable column system with a wooden subwoofer, designed for mobile applications from corporate events, celebrations, and conferences to live music and more.

Its two-channel Class D amplifier and universal power supply with 2000W peak power provides the power and dynamics that such an ultra-lightweight system requires. The DSP board incorporates DAScontrol technology with LCD display and a rotary knob for selecting multiple acoustic modes (presets) depending on how the system is used as well as access to other configurable options within the system's menu. The DSP incorporates two independent mic/line inputs with their respective volume settings, plus a third instrument input designed for connecting keyboards, basses or guitars. Audio can be sent wirelessly from mobile devices and the entire system can be controlled with the DASlink GM app.

The system incorporates two 10" 10MG speakers developed specifically for low-frequency reproduction with ultra-low distortion levels via a powerful magnetic assembly and a cone suspension design with high displacement capability. To reproduce mid and high frequencies, the top system features four 3" 3PN drivers with neodymium magnets and an M27N (1") neodymium compression driver coupled to a 100° x 50° horn. The horizontal directional control of the system provided by the horn is highly uniform across the entire high-frequency spectrum ($f > 1000\text{Hz}$) and the compression driver ensure that the highs are bright and defined.

The system is also available in white with the Altea duo-20A-W model.

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SPECIFICATIONS

Performance

Frequency Range (-10 dB)	37 Hz - 20 kHz
Horizontal Coverage (-6 dB)	100°
Vertical Coverage	50°
Maximum Peak SPL at 1 m	127 dB

Electronics and Connectors

Nominal Amplifier Power (continuous)	1000 W
Nominal Amplifier Power (peak)	2000 W
Nominal Amplifier Power LF (continuous)	500 W
Nominal Amplifier Power LF (peak)	1000 W
Nominal Amplifier Power HF (continuous)	500 W
Nominal Amplifier Power HF (peak)	1000 W
Input Type	Balanced
Input Impedance	20 kohms
Input Sensitivity	1.95 V (+8 dBu)
Audio Signal Input Connector	2 x XLR/TRS Combo Jack Line/Mic 1 x Wireless Stereo Bluetooth 1 x 1/4 TRS HI-Z Instrument
AUX Input	1 x 3.5 mm Mini Jack
Audio Signal Loop Thru Connector	1 x Male XLR
Control	DAScontrol™ DASlink GM™
Current Draw 230 V / 115 V	1.5 A/3.0 A

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Enclosure

Enclosure Construction	Polypropylene + Birch Plywood
Finish	Textured
Color	Black
Dimensions (H x W x D)	2.000 x 360 x 445 mm 78,0 x 14,2 x 17,5 in
Net Weight	31,0 kg (68,3 lb)

Components

LF Driver	10MG
MF Driver	3PN
HF Driver	M-27N

Shipping

Carton Dimensions (H x W x D)	678 x 565 x 708 mm 26,7 x 22,2 x 27,9 in
Shipping Weight	39,0 kg (85,9 lb)

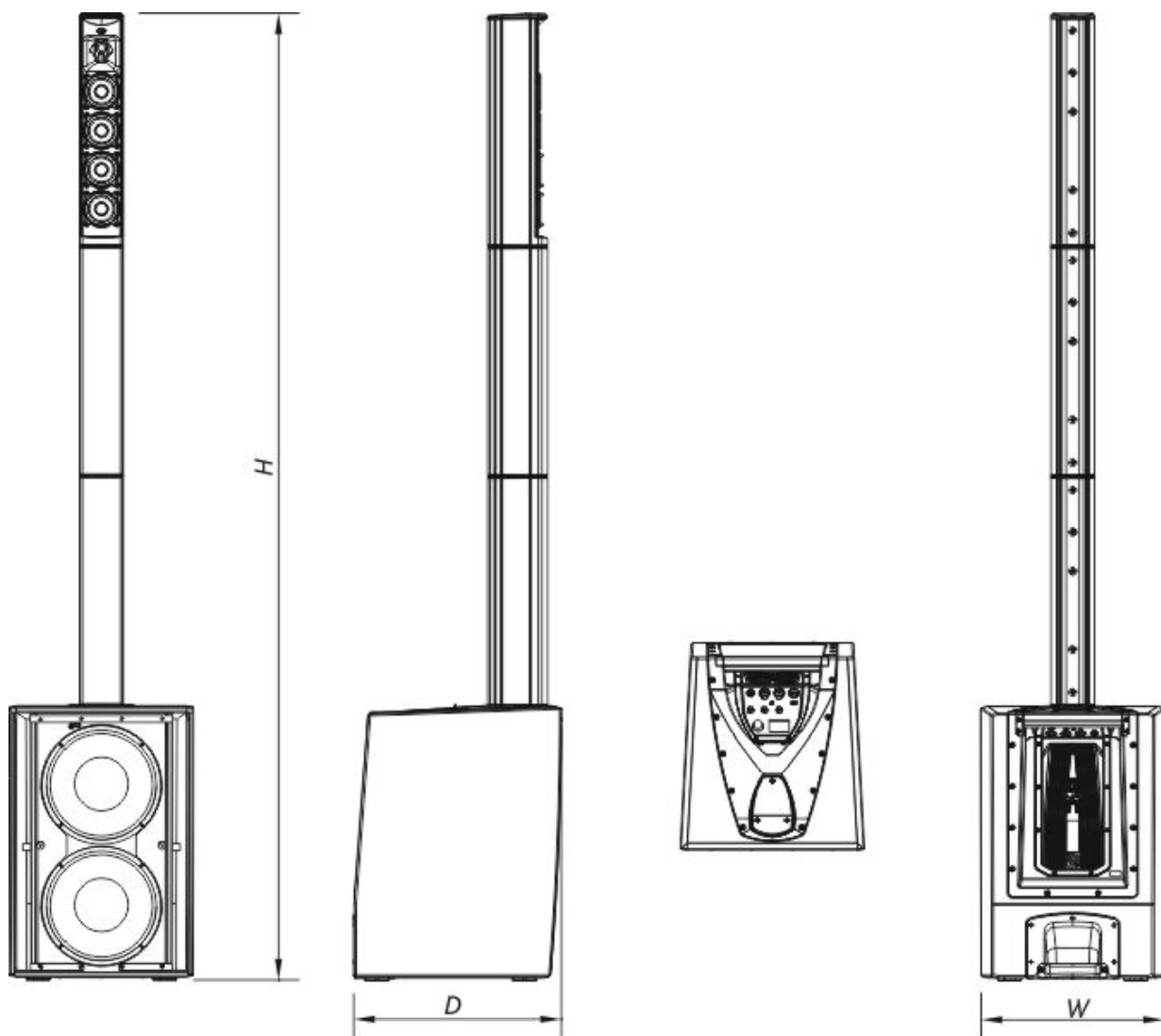
DIMENSIONS

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ORDERING INFORMATION

Model	Description	P/N
System		
ALTEA-DUO-20A		10435061
Replacement Parts		

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10MG	Cone Transducer	20208692
3PN	Cone Transducer	20208992
ALTEA-DUO-20TOP	Complete Replacement Section	20220004
ALTEA-DUO-POLE	Complete Replacement Section	20220003
DSP-ALTEA-DUO-20	Dsp	20406443
GM-10MG	Recone Kit	20208422
M-27N	Compression Driver	20208994
MP-ALTEA-DUO-20	Power Module	30010481
S-PRO2	Amplifier	30006153

Accessories

BAGPACK-DUO	Transport Accessories	30010491
FUN-DUO20	Transport Accessories	10103791
PL-ALTEA-DUO-20A	Transport Accessories	10113991

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