

Altea
duo



ALTEA-DUO-10A-W

DAS Audio Group, S.L. - C/ Islas Baleares 24 - 46988
Fuente del Jarro - Valencia - Spain - Tel. +34961340860
Updated (DD/MM/YYYY): 11/10/2024



SOUND WITH SOUL

KEY FEATURES

- 3-Way Powered portable column system
- 1000W peak
- 124 dB max peak SPL
- 1 x 10" compact subwoofer
- 2 x 3" + 1 x M27N 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
- 5 voicing presets
- Ultra-Low Power consumption 1A at 230V
- Compact, Ultra lightweight and quick setup

DESCRIPTION

The Altea duo-10A-W is a 3-way polypropylene-injected powered portable column system 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 1000W 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 a 10" 10MG4 speaker 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 two 3" 3PN16 drivers with neodymium magnets and an M27N compression neodymium 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-10W model.

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SPECIFICATIONS

Performance

Frequency Range (-10 dB)	40 Hz - 20 kHz
Horizontal Coverage (-6 dB)	100°
Vertical Coverage	50°
Maximum Peak SPL at 1 m	124 dB

Electronics and Connectors

Nominal Amplifier Power (continuous)	500 W
Nominal Amplifier Power (peak)	1000 W
Nominal Amplifier Power LF (continuous)	400 W
Nominal Amplifier Power LF (peak)	800 W
Nominal Amplifier Power HF (continuous)	100 W
Nominal Amplifier Power HF (peak)	200 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	DASlink™ DAScontrol™
Current Draw 230 V / 115 V	1.0 A/2.0 A

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Enclosure

Enclosure Construction	Polypropylene
Finish	Textured
Color	White
Dimensions (H x W x D)	2.000 x 390 x 400 mm 78,0 x 15,2 x 15,7 in
Net Weight	18,5 kg (40,7 lb)

Components

LF Driver	10MG4
MF Driver	3PN16
HF Driver	M-27N

Shipping

Carton Dimensions (H x W x D)	700 x 620 x 470 mm 27,5 x 24,5 x 18,5 in
Shipping Weight	23,0 kg (50,7 lb)

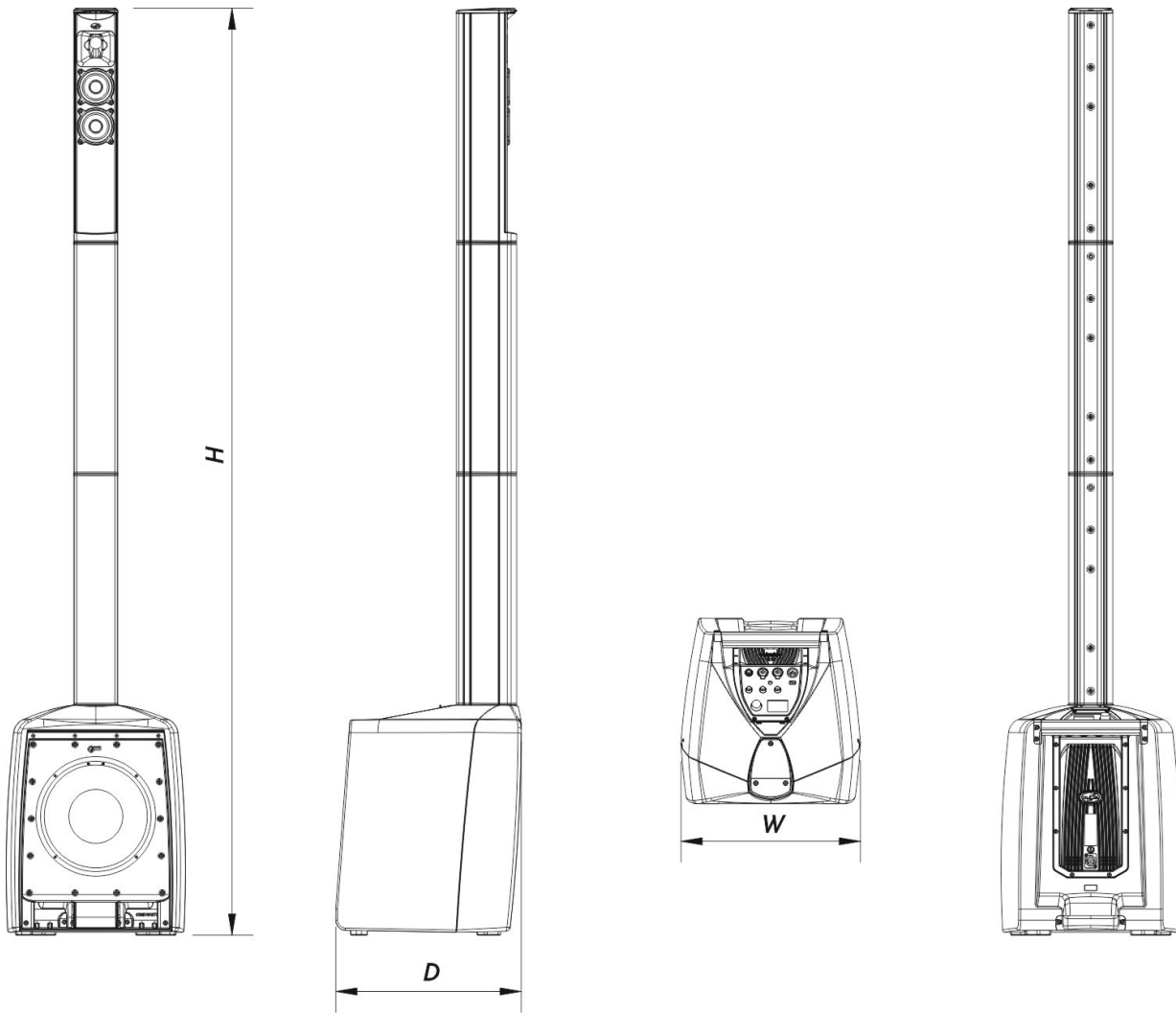
DIMENSIONS

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ORDERING INFORMATION

Model	Description	P/N
System		
ALTEA-DUO-10A-W		10435062
Replacement Parts		
10MG4	Cone Transducer	620208693

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3PN16	Cone Transducer	20208993
ALTEA-DUO-10TOP-W	Complete Replacement Section	20220007
ALTEA-DUO-POLE-W	Complete Replacement Section	20220009
DSP-ALTEA-DUO-10	Dsp	20406442
GM-10MG4	Recone Kit	20208540
M-27N	Compression Driver	20208994
MP-ALTEA-DUO-10A	Power Module	20405125
ORBIT300+100UM	Amplifier	30007231

Accessories

BAGPACK-DUO	Transport Accessories	30010491
FUN-DUO10	Transport Accessories	10103790
PL-ALTEA-DUO-10A	Transport Accessories	10113990

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