

Altea
duo



ALTEA-DUO-20A-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
- 2000W peak
- 127 dB max peak SPL
- 2 x 10" compact Birch Plywood subwoofer
- 4 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 1.5A at 230V

DESCRIPTION

The Altea duo-20A-W is a 3-way polypropylene-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 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.

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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 | 1 x 1/4 TRS HI-Z Instrument 1 x Wireless Stereo Bluetooth 2 x XLR/TRS Combo Jack Line/Mic |
| 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 | 1.5 A/3.0 A |

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Enclosure

| | |
|--------------------------|---|
| Enclosure Construction | Polypropylene + Birch Plywood |
| Finish | Textured |
| Color | White |
| 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) | 700 x 720 x 570 mm 27,5 x 28,5 x 22,5 in |
| Shipping Weight | 39,0 kg (85,9 lb) |

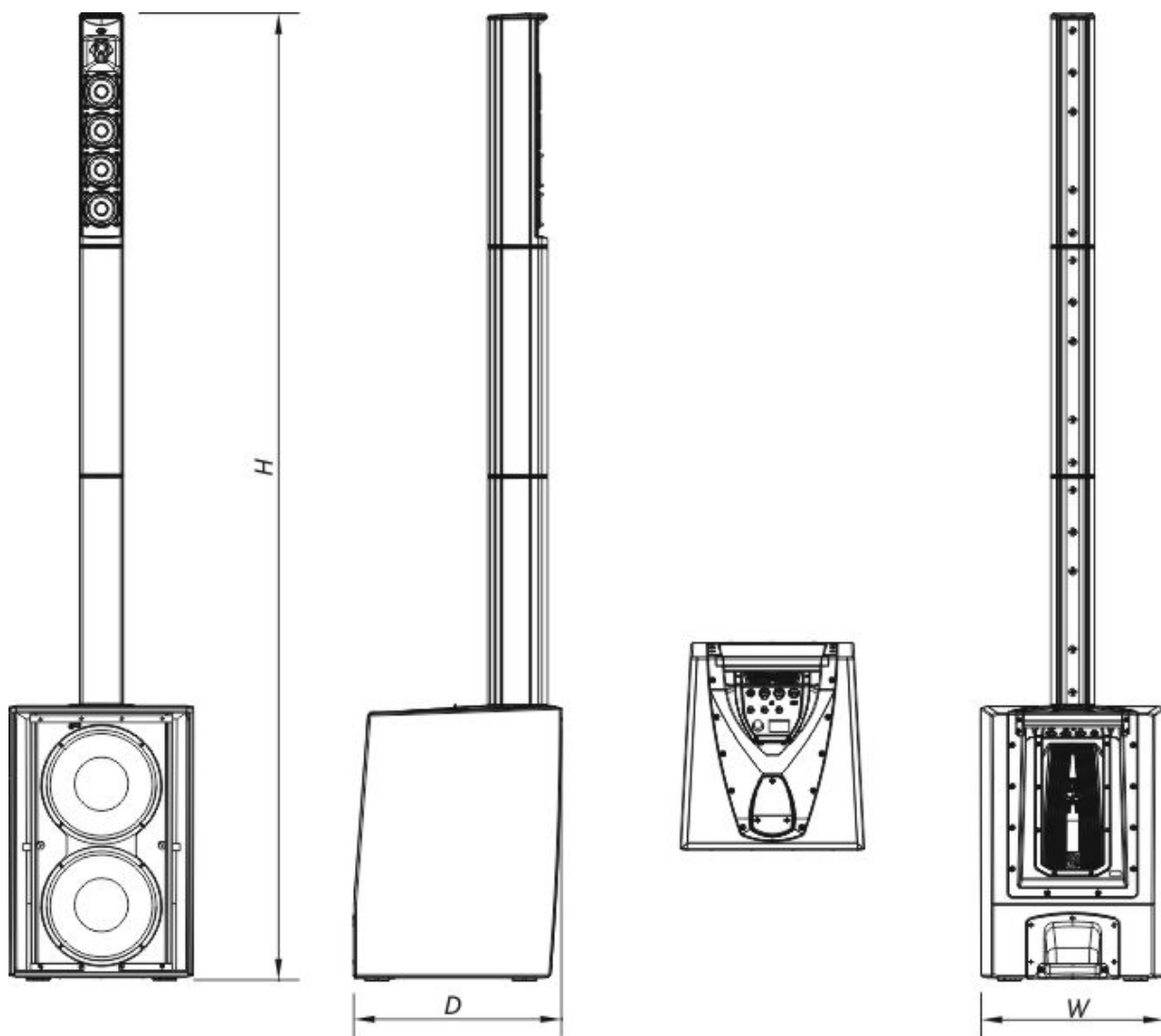
DIMENSIONS

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ORDERING INFORMATION

| Model | Description | P/N |
|--------------------------|-------------|----------|
| System | | |
| ALTEA-DUO-20A-W | | 10435063 |
| Replacement Parts | | |

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| | | |
|-------------------|------------------------------|----------|
| 10MG | Cone Transducer | 20208692 |
| 3PN | Cone Transducer | 20208992 |
| ALTEA-DUO-20TOP-W | Complete Replacement Section | 20220010 |
| ALTEA-DUO-POLE-W | Complete Replacement Section | 20220009 |
| 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 | 20406649 |

Accessories

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

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