Dynamic Audio Solutions

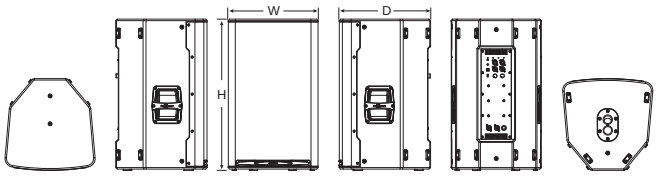
# AVANDA 715A

The AVANDA 715A is a professional 15-inch two-way active point-source loudspeaker with excellent sound quality and reliable performance, perfectly suited for high-quality live sound reinforcement scenarios.

It is equipped with a 3.0-inch voice coil, 1.4-inch exit neodymium driver and 15-inch neodymium woofer.The horn provides uniform sound coverage of 100 x 60°, achieving a maximum sound pressure level of 135dB for premium and pristine audio output.

Built around precision-tuned FIR DSP, AVANDA 715A achieves optimized transient response, explosive dynamics and crystalline detail - all anchored by deep, tightly controlled bass that honors the integrity of the original signal.

CNC machined birch plywood cabinet, coated with polyurea, is waterproof, wear and high temperature resistant. Its compact, symmetrical design ensures structural stability and practical deployment, while the base supports 0° or 10° mounting angles to accommodate a wide range of sound reinforcement applications.




Dimension(W×H×D)：421×700×427mm

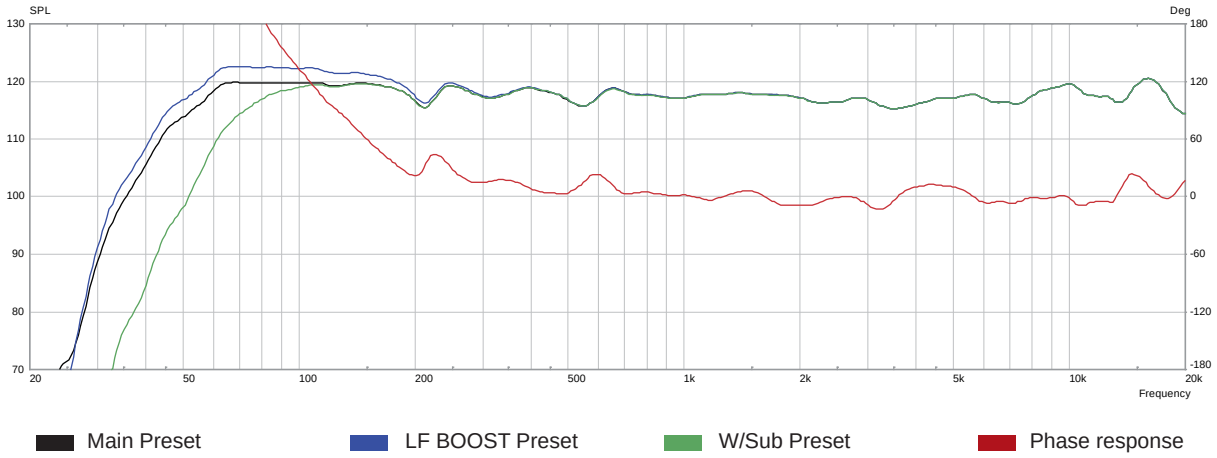
## Key Features

- **BrainCore™ Integration:** Seamless implementation of BrainCore™ technology for optimized system performance and supreme sonic fidelity.
- **Versatile Performance Presets:** Three factory-optimized presets for quick and reliable setup in various acoustic environments.
- **High-End Digital Processing:** State-of-the-art DSP featuring a 96kHz sampling frequency and FIR filtering for superior signal accuracy.
- **Efficient Class D Amplification:** High-output, integrated Class D amplifier delivers consistent power with maximum efficiency.
- **Intelligent Power Management:** Automatic "sleep mode" activates after 45 minutes of signal inactivity to conserve energy.
- **Customized Transducers:** Precision-engineered Neodymium drivers designed specifically to maximize the system's acoustic potential.
- **Thermal Protection:** Advanced temperature control system ensures stable operation and long-term reliability during demanding use.
- **Double Pole Mount:** Adopts 0° or 10° optional pole mount.
- **Rugged Polyurea Finish:** Ultra-durable, waterproof, and heat-resistant polyurea coating provides superior protection against wear and environmental factors.
- **Pro-Grade Construction:** CNC-machined birch plywood cabinet with a compact, optimized design for ease of deployment.

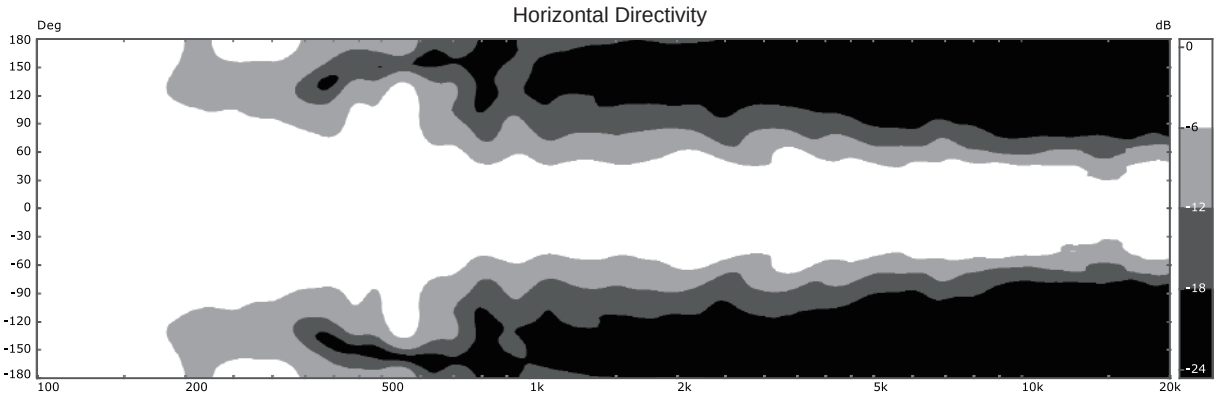
## Specification

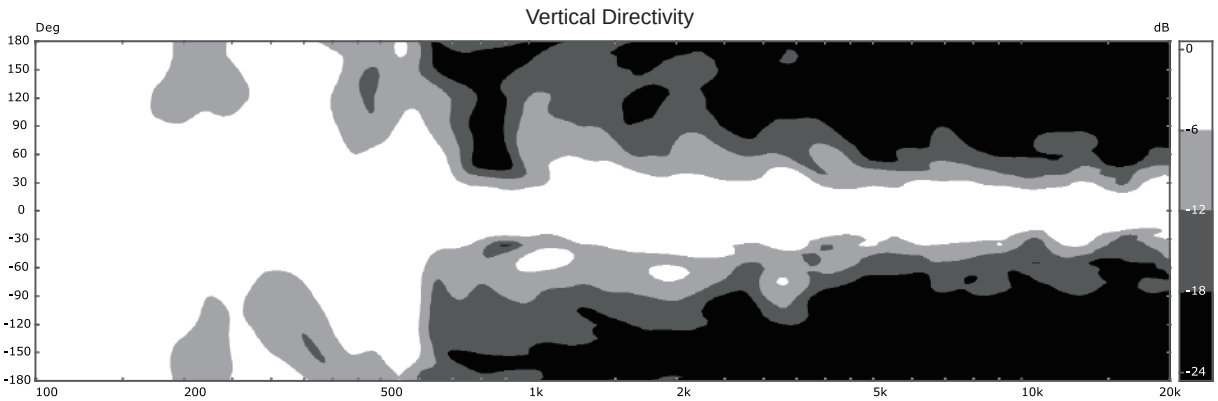
| | |
|---|---|
| **Type** | Active DSP-controlled full range loudspeaker |
| **Frequency Response**(-10dB) | 40Hz-20kHz |
| **Maximum Calculated SPL/1M**(Continuous/Peak) | 129dB/135dB |
| **HF** | Customized Neodymium driver, 3.0” voice coil, 1.4” exit |
| **LF** | Customized 15” Neodymium driver, 3.0” voice coil |
| **Horizontal Coverage** | 100° |
| **Vertical Coverage** | 60° |
| **DSP** | |
| **Processor** | 96kHz signal sampling frequency, FIR filtering |
| **Presets** | MAIN, LF BOOST, W/SUB |
| **AMPLIFIER** | |
| **Amplifier Circuitry** | Class D |
| **Power** (RMS standards) | 1500W |
| **Peak Power** | 3000W |
| **Frequency Response** (1W 8Ω 2ch) | 20Hz-20kHz(±0.5dB) |
| **Intermodulation Distortion** | ＜0.05% |
| **Total Harmonic Distortion** | ＜0.05% |
| **Cooling System** | Cooling with fans, air convection |
| **Protection** | DC protection, short circuit protection, overheat protection, input overload protection, output overload protection, soft startup protection, overvoltage protection, undervoltage protection |
| **Output / Input** | |
| **Signal Input** | Female XLR( Mono jack 6.35) |
| **Signal Output** | Male XLR |
| **Power Input** | Power connector |
| **Power Output** | Power connector |
| **Working Voltage** | 100V--240V~（±10%,50/60Hz） |
| **Power consumption** (1/8 output power) | 100W |
| **Cabinet** | |
| **Cabinet Material** | Multilayer baltic birch plywood |
| **Coating** | Durable Polyurea Coating |
| **Cabinet Color** | Black is the default color. Contact Audiocenter for customization |
| **Grille** | Iron mesh |
| **Handles** | 2 side |
| **Monitor Angle** | Symmetrical 45° monitoring Angle |
| **Hanging Hardwares** | M8 screw |
| **Pole Mount** | Base hole Φ35mm, 0° or 10° optional |
| **Speaker Dimension** (W×H×D) | 421×700×427mm |
| **Carton Dimension** (W×H×D) | 516×795×526mm |
| **Net Weight** | 23.0 kg |
| **Shipping Weight** | 26.0 kg |

## Frequency Response Graphs

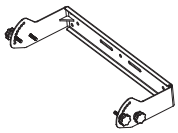



## Normalized Isobar Plot

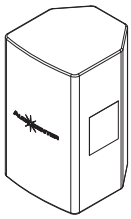


## Full Range Loudspeaker Accessories

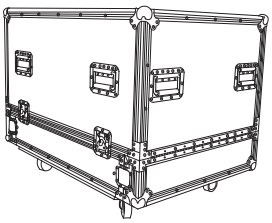


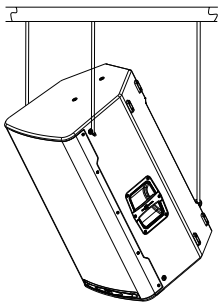
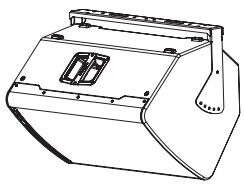
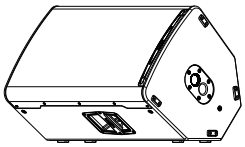
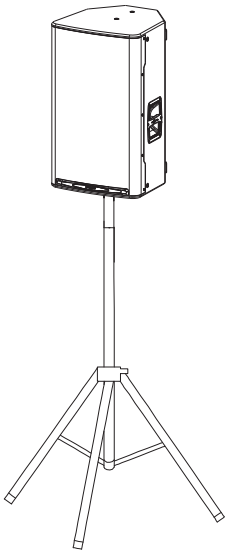
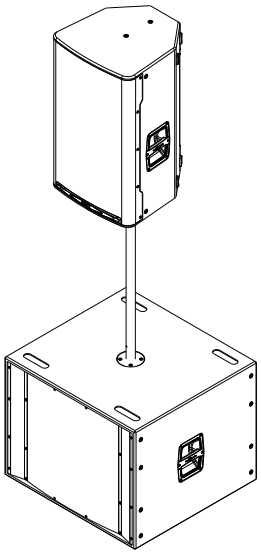
**WM-AVD712**
**WM-AVD715**
Horizontal U bracket
Bearing 60KG



**Cover**

**Pole bar**
Bearing 50KG



**Flightcase**
For 2 cabinets,
with 100mm wheels

## Full Range Loudspeaker Installations