

AM6405**Passive 2-Way Full-Range Home Theater Speaker****Description**

The AM6405 is a versatile full-range home theater speaker that can serve as either a main speaker or a surround speaker in a 5.1 or 7.1 home theater system. It acts as a core sound-producing unit, delivering precise reproduction of mid-to-high frequency vocals, instrumental fundamentals, and the primary soundstage framework when used as a main speaker, while creating an immersive 360° surround sound field when used as a surround speaker. Together with other system components, it helps build a THX-standard home theater audio environment.

Features**Act as Main Speaker:**

- **Core Soundtrack Reproduction:** Reproduces dialogue, lead instruments, and key sound effects in movies and TV shows. As the primary audio output unit, it ensures clear and intelligible speech as well as precise and transparent instrument tones.
- **Music Playback Performance:** Restores mid-to-high frequency details in pop, classical, and other music genres, such as the delicate texture of strings and the clarity of vocals. When paired with a subwoofer, it

achieves full-range music coverage.

- **Soundstage Reference Anchor:** Acts as the “reference anchor” of the theater soundstage. With a precise frequency response curve, it provides a soundstage reference for the surround speaker, ensuring seamless front-to-back and left-to-right audio transitions without gaps.

Act as Surround Speaker:

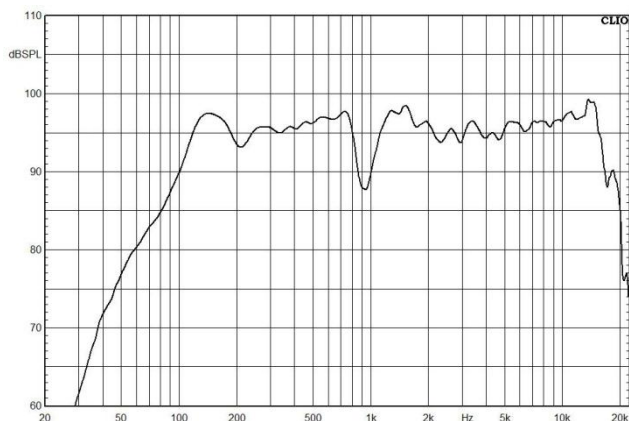
- **Immersive Surround Sound:** Reproduces environmental effects, background sounds, and moving audio in movies and games, such as aircraft flyovers, crowd noise, and directional footsteps, creating a realistic spatial experience.
- **Multi-Channel Audio Expansion:** In 5.1/7.1 channel systems, it handles side or rear channel output, filling soundstage blind spots that the main speaker cannot cover, delivering full spatial audio envelopment.
- **Atmospheric Enhancement:** Enhances ambient effects in audiovisual content, such as eerie whispers in horror films or artillery echoes in war movies, increasing immersion and emotional impact.

Specifications

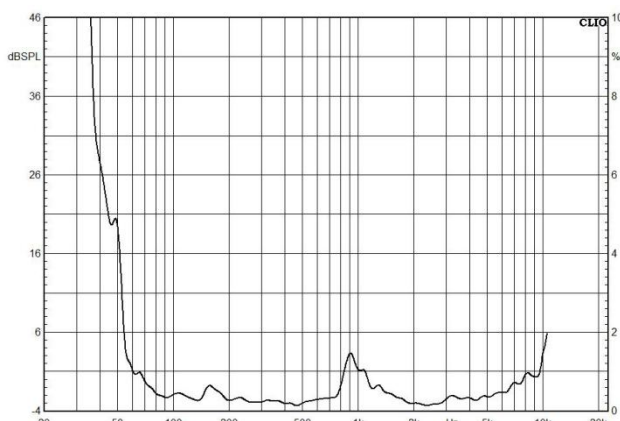
Model	AM6405
Frequency Response	85Hz–20KHz
Sensitivity	95dB (1W/1m)
Maximum SPL	120dB (MAX)
Impedance	6Ω
Rated Power	350W
Peak Power	1400W (Peak)
Dispersion	80° (H) × 60° (V)
Crossover Frequency	Built-in crossover at 1.5kHz
Physical Specifications	
System Type	Passive 2-way full-range speaker
HF Driver	1×44mm compression driver
MF Driver	1×10" woofer (65mm voice coil)
Finish	Scratch-resistant black textured paint
Dimensions (H×W×D)	500×340×310 mm
Net Weight	12kg

Frequency Response & Distortion Curve

Frequency Response
(dB SPL, 1W, 1m)



Distortion
(THD < 2% 1W, 1m, 100Hz-10kHz)



Impedance Curve

