

CINEMA ULTRA

First class THX® Ultra2-certified home cinema system



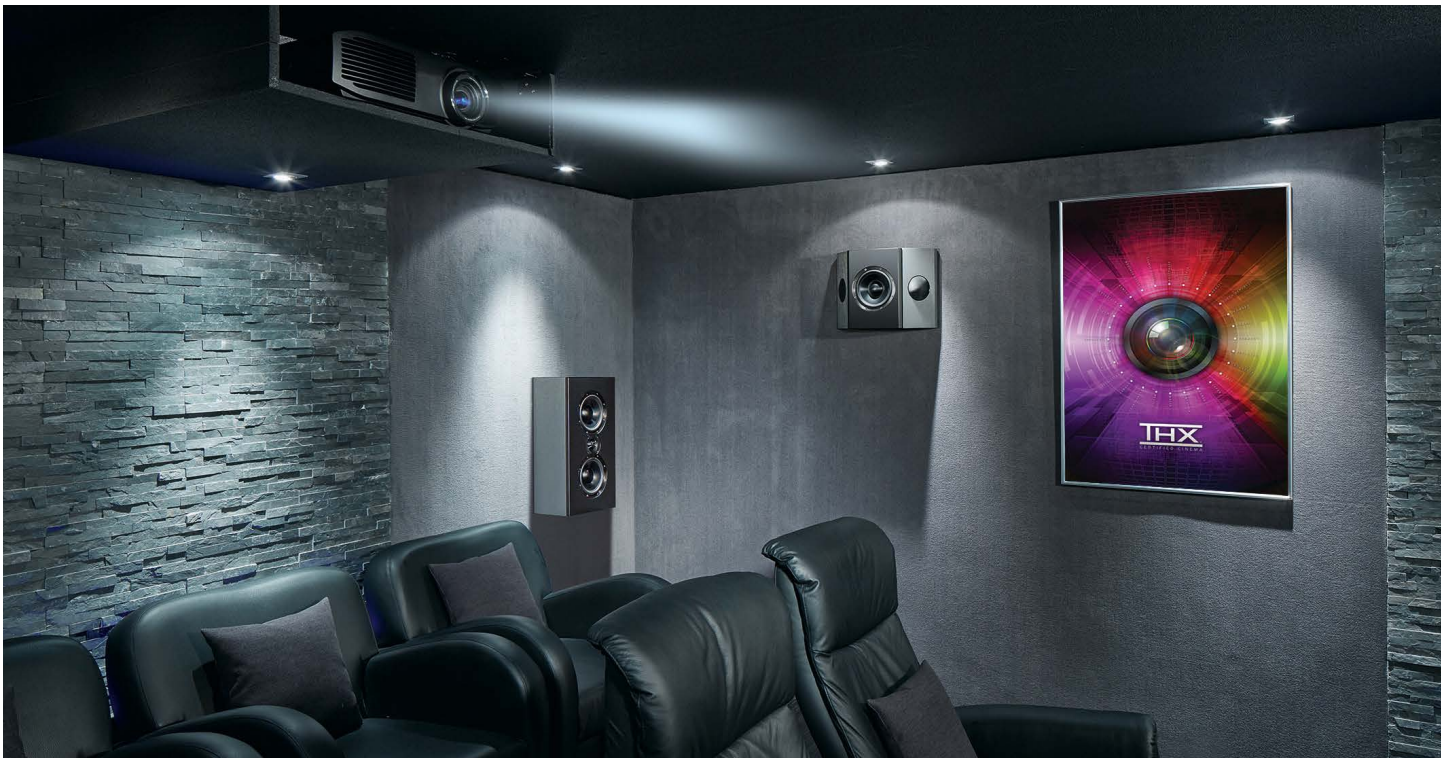
THX
ULTRA 2



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First class THX® Ultra2-certified home cinema system



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Cinema Ultra RD-200-THX

Cinema Ultra LCR-100-THX

Cinema Ultra AEH 400-ATM

- World's first THX® Ultra2-certified loudspeaker system to feature an LCR-speaker approved for vertical and horizontal orientation at all positions!
- World's only THX® Ultra2-certified loudspeaker system to fulfill the very demanding requirements for maximum output and low distortion with only one subwoofer (in the After-Market)!
- World's first Dolby Atmos-enabled add-on loudspeaker featuring a switchable crossover to become a direct-radiating on-wall or on-ceiling speaker!
- All models can also be used as powerful home cinema loudspeakers within non-THX®-certified systems!
- Thanks to its small dimensions and versatility, this high performance home cinema loudspeaker system is extremely flexible in configuration and placement!



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Magnat Cinema Ultra LCR 100-THX: THX® Ultra2-certified high-performance front loudspeaker



- THX® Ultra2-certified front loudspeaker / centre loudspeaker for the Magnat Cinema Ultra set
- Can be operated in a vertical or horizontal position, ensuring maximum set-up flexibility
- All of the chassis have been specially developed for the Cinema Ultra set in order to meet the very strict requirements of the THX® Ultra2 standard
- The loudspeaker chassis are identical to the dipole surround sound loudspeaker RD 200-THX for optimum tonal harmony
- Particularly tight-fitting chassis layout and specially tuned crossover for uniquely homogeneous horizontal and vertical dispersion characteristics
- Top acoustic performance through individual components developed for high performance in all details
- Perfect tonal harmony through identical loudspeakers for all three front channels
- Markedly compact and flat enclosure for easy and unobtrusive integration into every home cinema system
- Various set-up and wall-mounting options
- Can also be used according to THX® Ultra2 guidelines as a directly emitting surround or rear surround loudspeaker

Midrange-Woofer:

- Flow-optimised, highly stable die-cast aluminium cage to avoid compression effects and resonances
- Large high-power magnet system with inductivity control rings for extremely low distortions
- Multiple-ventilated high-performance voice coil for high resilience
- Rigid ceramic-aluminium sandwich diaphragm and dust cap for highest reproduction precision
- 8 screw fixings for firm anchoring in the baffle

Tweeter:

- Extremely large 1.65" high-performance polyfibre-compound cone
- Computer-optimised Waveguide front panel with integrated diffusor for optimum dispersion characteristics according to the strict THX® Ultra2 standard

- Extremely powerful neodymium annular magnet system for the highest efficiency and outstanding broadband capability
- Highly resilient precision voice coil on a ventilated aluminium support
- Solid die-cast aluminium enclosure with large pole piece hole
- Multiple damped coupling volume for particularly low resonance frequency

Crossover:

- Particularly elaborate, amplitude and phase-optimised crossover to meet the strict THX® Ultra2 standard
- Single-wiring connection terminal with gold-plated, acrylic sealed terminals

Cabinet:

- Very stable, braced MDF enclosure with particularly low-resonance, 30 mm thick baffle
- Cinema Ultra stealth design comprising:
 - offset baffle in a high-quality deep black silk matt lacquer finish
 - durable brushed-metal textured film in anthracite on the body
 - front panel and trim rings in matt black with a black chrome gloss ring
 - magnetically held cloth cover on a thin MDF frame
 - low-reflection metal logo in brushed titanium look
- Closed housing for reproduction absolutely free of background noise at high levels according to the THX® Ultra2 standard
- Rotating Magnat/THX® logo for correct alignments in vertical or horizontal operation
- Removable fabric protection grille with optimum sound transmission and invisible magnet attachment
- Sophisticated mounting system with numerous variations
 - Wall-fixing mountings according to the widespread VESA standard, hole pattern 200x200mm M6
 - Sturdy metal wall brackets for vertical and horizontal mounting with silicone spacer
 - Silicone feet included in delivery for lying or upright placement on sideboards etc.

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Magnet Cinema Ultra RD 200-THX: THX® Ultra2-certified high-performance dipole surround loudspeaker



- THX® Ultra2-certified dipole surround speaker for the Magnet Cinema Ultra set
- All of the chassis have been specially developed for the Cinema Ultra set in order to meet the very strict requirements of the THX® Ultra2 standard
- The loudspeaker chassis are identical to the LCR 100-THX front loudspeaker for optimum tonal harmony
- Enveloping surround soundscape without speaker localisation due to the special chassis layout
- Specially tuned crossover for optimally diffuse sound emission according to the strict requirements of the THX® Ultra2 standard
- Top acoustic performance through individual components developed for high performance in all details
- Markedly compact and flat enclosure for easy and unobtrusive integration into every home cinema system
- Various wall-mounting options
- Can also be used as a rear surround dipole loudspeaker according to the THX® Ultra2 guidelines

Midrange-woofer:

- Flow-optimised, highly stable die-cast aluminium cage to avoid compression effects and resonances
- Large high-power magnet system with inductivity control rings for extremely low distortions
- Multiple-ventilated high-performance voice coil for high resilience
- Rigid ceramic-aluminium sandwich diaphragm and dust cap for highest reproduction precision
- 8 screw fixings for firm anchoring in the baffle

Tweeter:

- Extremely large 1.65 " high-performance polyfibre-compound cone
- Computer-optimised Waveguide front panel with integrated diffusor for optimum dispersion characteristics according to the strict THX® Ultra2 standard
- Extremely powerful neodymium magnet system for the highest efficiency and excellent broadband capacity

- Highly resilient precision voice coil on a ventilated aluminium support
- Solid die-cast aluminium enclosure with large pole piece hole
- Multiple damped coupling volume for particularly low resonance frequency
- Fine mesh cover grille for a discreet look

Crossover:

- Elaborate, amplitude and phase-optimised crossover to meet the strict THX® Ultra2 standard
- Single-wiring connection terminal with gold-plated, acrylic sealed terminals

Cabinet:

- Very stable MDF trapezoid enclosure with particularly low-resonance, 30 mm thick baffle
- Cinema Ultra stealth design comprising:
 - offset baffle in a high-quality deep black silk matt lacquer finish
 - durable brushed-metal textured film in anthracite on the body
 - front panel and trim rings in matt black with a black chrome gloss ring
 - magnetically held cloth cover on a thin MDF frame
 - low-reflection metal logo in brushed titanium look
- Closed housing for reproduction absolutely free of background noise at high levels according to the THX® Ultra2 standard
- Removable protective fabric grille with optimum sound transmission and concealed magnet fastenings
- Sophisticated mounting system with numerous variations
 - Wall-fixing mountings according to the widespread VESA standard, hole pattern 100x200mm M4
 - Stable metal brackets for wall mounting with silicone spacers

Magnet

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Magnat Cinema Ultra Sub 300-THX: THX® Ultra2-certified high-performance subwoofer



- THX® Ultra2-certified subwoofer for the Magnat Cinema Ultra set
- All of the chassis have been specially developed for the Cinema Ultra set in order to meet the very strict requirements of the THX® Ultra2 standard
- Top acoustic performance through individual components developed for high performance in all details
- Markedly compact enclosure for easy and unobtrusive integration into every home cinema system
- Non-ventilated design to eliminate any air-flow noise at high levels
- Two long-throw passive radiators adapted to the woofer and enclosure volume ensure deep extended bass without any background noise

Woofer:

- 32 cm high-performance long-throw woofer, 32 cm long-throw passive radiators with same diaphragm
- Flow-optimised, highly stable die-cast aluminium cage to avoid compression effects and resonances
- Double-magnet high-power drive system with inductivity control ring for extremely low distortions
- Extremely large linear hub for maximum signal purity with large deflections
- Multiple-ventilated high-performance voice coil for high resilience
- Multiple-coated paper diaphragm and dust cap for ideal rigidity
- Low-loss long-throw rubber surrounds for woofer and passive radiators
- 8 screw fixings for firm anchoring in the baffle

Amplifier:

- Class D high-performance amplifier specially developed for this subwoofer
- Class D technology and a switch mode power supply ensure low heating and compact dimensions despite extremely high performance
- Real-time limiter minimises distortions and prevents overloading
- Active frequency range equalisation according to the strict THX® Ultra2 guidelines
- THX® input and stereo inputs for flexible use in any surroundings
- Adjustable volume, phase and crossover frequency (in stereo mode)

- Auto stand-by and automatic switch-on for high comfort of use
- Low stand-by power consumption < 1 watt

Cabinet:

- Very stable, braced MDF enclosure with particularly low-resonance, 45mm thick baffle
- Cinema Ultra stealth design comprising:
 - offset baffle in a high-quality deep black silk matt lacquer finish
 - durable brushed-metal textured film in anthracite on the body
 - Magnetically fixed front cover on thin MDF frame and coverings for the passive radiators
 - low-reflection metal logo in brushed titanium look
- Closed housing for reproduction absolutely free of background noise at high levels according to the THX® Ultra2 standard
- Detachable fabric protection cover with optimum sound transmission, front cover with invisible magnetic fixings
- Large, resonance-absorbing feet with central screw holes for spikes

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Magnat Cinema Ultra AEH-400-ATM: Dolby Atmos-enabled high-performance add-on loudspeaker



- Dolby Atmos-enabled add-on loudspeaker matching the Magnat Cinema Ultra set
- The diaphragm materials are identical to the front and surround sound loudspeakers of the Magnat Cinema Ultra for optimum tonal harmony
- Coaxial chassis layout and specially tuned crossover for ideally homogeneous dispersion characteristics
- Compact, flat enclosure for easy and unobtrusive integration into every home cinema system
- Various set-up and wall-mounting options
- Can also be used as a directly emitting wall or ceiling loudspeaker
- Two integrated crossovers that can be selected via a switch for extremely flexible use:
 - "Atmos mode" for ceiling reflection according to Dolby Atmos guidelines
 - "Direct mode" for direct emission use on the wall or ceiling

Chassis:

- Coaxial loudspeaker specially developed in accordance with the strict Atmos guidelines
- 25mm tweeter with silk compound cone and computer-optimised acoustic equalizer
- 130mm midrange-woofer with rigid ceramic-aluminium sandwich diaphragm and highly resilient voice coil
- Flow-optimised, extremely sturdy die-cast aluminium cage with high-quality trim ring secured with six screws

Cabinet:

- Stable enclosure in console form, dimensions and design matched to the Magnat Cinema Ultra system
- Cinema Ultra stealth design comprising:
 - Offset front and baffle in a high-quality deep-black silk matt lacquer finish
 - durable brushed-metal textured film in anthracite on the body
 - matt black trim ring with a black chrome gloss ring
 - magnetically held cloth cover on a thin MDF frame
 - low-reflection metal logo in brushed titanium look

- Closed housing for free-of-background-noise playback at high levels
- Removable protective fabric grille with optimum sound transmissivity and concealed magnet fastenings
- Sophisticated mounting system with numerous variations
 - Wall-fixing mountings according to the widespread VESA standard, hole pattern 100x100mm M4
 - Sturdy metal wall brackets for wall mounting with silicone spacer
 - Adhesive silicone feet provided for set-up on top of front loudspeakers, sideboards etc.

Crossover:

- Switchable dual crossover in one loudspeaker, optimised for the respective operating mode
- Amplitude and phase-optimised crossovers equipped with high-quality components
- High-quality connection terminal with solid, gold-plated and encapsulated screw terminals and a toggle switch for selecting the operating mode

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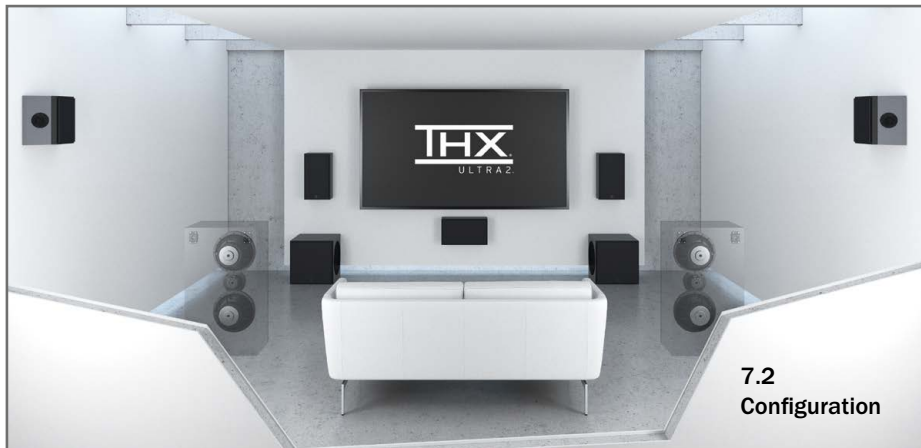
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Numerous installation options



**5.1
Configuration**

Thanks to its small dimensions and its versatility, the Cinema Ultra allows for numerous configurations. THX® already approves of the minimum configuration of a 5.1 set (top left). But many movie connoisseurs will surely demand more. A second subwoofer will add the extra bass punch to their home cinema, additional surround dipole speakers or even LCR speakers in the rear transform the Cinema Ultra into a highly capable 7.2 system (mid left).



**7.2
Configuration**

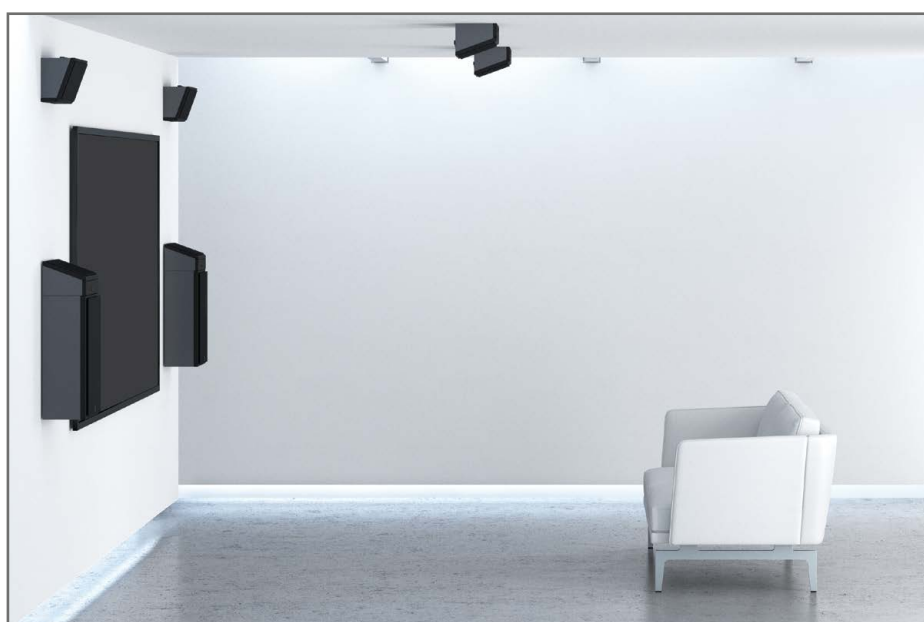
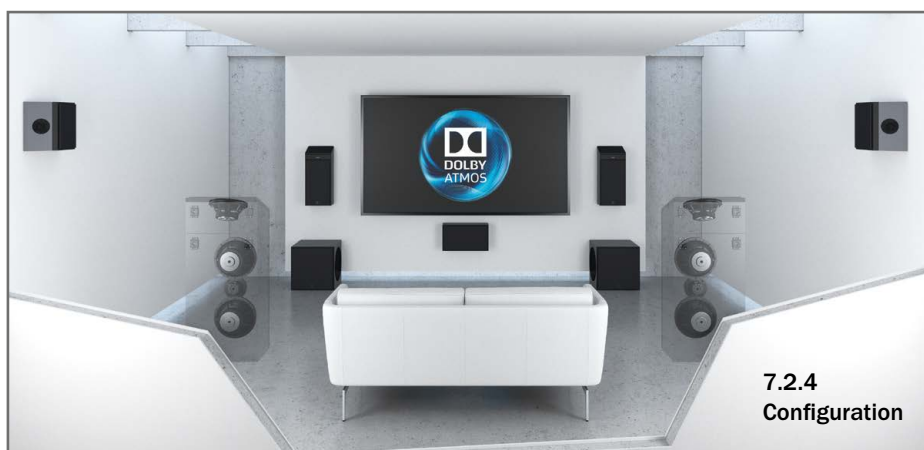
The flexible LCR speaker can take THX® Ultra2 to a new level of practicality: three LCR speakers in horizontal orientation slim down the front trio, generating extra space for large televisions, screens and sideboards (down left).



**5.1 „horizontal“
Configuration**

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Home cinema becomes three-dimensional



In a movie theater, a large number of ceiling speakers generates the impressive extension of the sound field with Dolby Atmos soundtracks. At home, Dolby suggests a more practical approach: add-on speakers placed on the existing speakers radiate sound towards the ceiling at a defined angle. The reflection of this sound reaches the listener, generating the illusion of overhead speakers.

The Dolby Atmos-enabled add-on speakers AEH 400-ATM are part of the Cinema Ultra and the perfect extension for this set (top left). They do not only fulfill all of the strict requirements for Atmos-enabled speakers, they also offer a direct-radiating mode. This transforms them into the ideal accessory for your home cinema as on-wall and on-ceiling speakers (mid left).

Thanks to its dual-crossover and VESA mount, the AEH 400-ATM has many options of placement: as an Atmos-enabled add-on speaker on top of or near your front speakers, as a direct-radiating speaker on your wall or on your ceiling

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Specifications

	CINEMA ULTRA LCR 100-THX	CINEMA ULTRA RD 200-THX
Principle	THX® Ultra2-certified LCR Speaker 2 way, sealed	2 way, sealed THX® Ultra2-certified dipole surround Speaker
Equipment	2 x 6.5" Midrange-woofer 1.65" dome-tweeter	170 mm woofer-midrange 2 x 1.65" dome-tweeter
Power Handling (RMS / Max.)	220 / 350 watts	150 / 240 watts
Sensitivity (2.8V/1m)	93 dB	89 dB
Impedance	4 – 8 ohms	4 – 8 ohms
Frequency Response	80 - 27.000 Hz	80 - 27.000 Hz
Crossover Frequencies	1.550 Hz	1.500 Hz
Recommended Amplifier Output	> 50 watts	> 40 watts
Dimensions (WxHxD)	280 x 520 x 188 mm	400 x 300 x 160 mm
Weight	12.5 kg	7.6 kg
Cabinet surface	Front: black silk matt / body: textured film - anthracite	Front: black silk matt / body: textured film - anthracite
Article Number	148 300	148 305
EAN	40 18843 48300 9	40 18843 48305 4

	CINEMA ULTRA SUB 300-THX	CINEMA ULTRA AEH 400-ATM
Principle	THX® Ultra2-certified active high-performance subwoofer, Dual passive radiator	Dolby Atmos-enabled high-performance add-on loudspeaker with direct-radiating mode
Equipment	320 mm subwoofer 2 x 320 mm passive radiator	1 x 5,25" coaxial speaker
Power Handling (RMS / Max.)		50 / 120 watts
Output power (RMS / Max.)	550 / 1100 watts	
Sensitivity (2.8V/1m)		89 dB
Impedance		6 ohms
Frequency Response	18 - 200 Hz	45 – 37.000 Hz
Crossover Frequencies	THX: without filtering Line-Modus: 40-180 Hz	Atmos-Modus: 3.200 Hz Direct-Modus: 3.300 Hz
Phase	0° to 180° continuously variable	
Recommended Amplifier Output		20 - 120 watts
Dimensions (WxHxD)	468 x 461 x 460 mm 468 x 461 x 478 mm (incl. amplifier)	280 x 150 x 188 mm
Weight	32.5 kg	3.7 kg
Cabinet surface	Front: black silk matt / body: textured film - anthracite	Front: black silk matt / body: textured film - anthracite
Article Number	148 310	148 400
EAN	40 18843 48310 8	40 18843 48400 6

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