

# CINEMA ULTRA

First class THX® Ultra2-certified home cinema system



# Magnat

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**THX**



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- **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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## Magnat Cinema Ultra RD 200-THX: THX® Ultra2-certified high-performance dipole surround loudspeaker



- THX® Ultra2-certified dipole surround speaker 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
- 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

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# CINEMA ULTRA

## 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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## Numerous installation options



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).



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).



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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

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

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

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