



# LYNGDORF MP-40

## SURROUND SOUND PROCESSOR

The MP-40 surround sound processor from Lyngdorf Audio offers all the sonic qualities and performance of the flagship processor, the MP-60, in a streamlined design for smaller applications. Ease of installation and user-friendly features are complemented with a simplified feature allowing the chance for one to experience the performance that Lyngdorf Audio is famous for without all the bells and whistles.

### STATE-OF-THE-ART AUDIO PROCESSING

The MP-40 features 12 native channel decoding and 16 balanced audio outputs. The MP-40 offers full support of the immersive surround formats DOLBY ATMOS®, DTS:X® and AURO-3D®. When paired with the power of RoomPerfect™ calibration on all channels, the MP-40 delivers an immersive sound experience that is unmatched.

Featuring a streamlined HDMI board with three inputs and one output, the new MP-40 supports HDMI 2.0b with the HDMI 2.1 features eARC and Dynamic Lip-Sync. The advanced HDMI board allows a video throughput of up to 18 Gbps and the full 4K 60Hz video stream including Dolby Vision, HDR10 and HLG (Hybrid Log Gamma). eARC will allow for a full-resolution Dolby Atmos and DTS:X audio bitstream being 'returned' to the processor from the television allowing for full audio quality from the TV's built-in media players.

### BUILT-IN MEDIA PLAYER

The MP-40 features a built-in media player, which connects to services like Spotify, Airplay, UPnP, and Roon as well as internet radio. Through a cabled network or USB connector, you can access your music library and enjoy it in stereo or as up-mixed on a surround sound format.

### ROOMPERFECT™ ROOM CORRECTION

The MP-40 is equipped with Lyngdorf Audio's proprietary RoomPerfect™ calibration technology, the world's most sophisticated technology for adapting the sound system to the environment. The RoomPerfect™ calibration ensures a perfect surround sound experience in nearly any installation environment reducing or even eliminating bulky bass traps and other expensive acoustic treatment.

With RoomPerfect™ it is for the first time possible to obtain seamless level alignment where you experience a lifelike sound scenery instead of individual loudspeakers. Together with a bass management that works due to the true integration of main speakers and subwoofers. This gives much more freedom when choosing speakers and their placement and, perhaps even more important, guaranteed performance – every time.

### DEAD SILENT

The MP-40 has no forced cooling, so you will never hear any noisy fans. If used with the Lyngdorf SDA-2400 power amplifier, which don't have fans either, you will have a dead silent system, where you can enjoy everything from the faintest details to the loudest bangs with full dynamics and realism.

### CUSTOM VOICINGS

The built-in voicing tool will allow you to customize up to 32 voicings. This allows you to cater to your personal preferences by changing the overall tonality of the system and dedicating voicings to each input of the MP-40. The voicing tool can also be used to compensate for a poor sounding recording. Each unique voicing can consist of up to eight filters with adjustable frequency, gain and Q, all controlled through the browser interface showing the effect of each filter as well as the overall effect to the tonality.



## SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| <b>Description:</b>             | Surround sound processor  |
| <b>Decoding:</b>                | 12 decoding/upmixing channels, Dolby Atmos®, DTS:X, AURO-3D®, all legacy codecs   |
| <b>Post processing options:</b> | Dolby Surround, AURO-MATIC®, DTS Neural:X   |
| <b>Audio inputs:</b>            | 3 x HDMI (≤192kHz/24bit), 1 x HDMI eARC, 1 x AES/EBU S/P-DIF input (≤192kHz/24bit), 3 x S/P-DIF coaxial inputs (≤192kHz/24bit), 4 x S/P-DIF optical inputs (≤96Hz/24bit), 1 x USB audio input (≤192kHz/32bit), 1 x microphone input (XLR) for RoomPerfect™              |
| <b>Audio outputs:</b>           | 16 x XLR analog outputs (16 Vrms), 1 x SPDIF coax digital ZONE output (Fix 96kHz/24bit)   |
| <b>Audio specifications:</b>    | Frequency response: ±0,5dB from 20 to 20,000 Hz,<br>Total harmonic distortion: 0.005% max from 20 to 20,000 Hz  |
| <b>EQ:</b>                      | RoomPerfect™, subwoofer level assistant, 32 x adjustable voicings holding ≤8 shelving, high/low pass or parametric filters with adjustable frequency, gain and Q  |
| <b>Media player:</b>            | Internet radio (vTuner), Airplay, Spotify Connect, Roon Endpoint, DLNA Support of FAT32 based media storage   |
| <b>Video inputs:</b>            | 3 x HDMI (2.0b - HDCP 2.2), accepts 3D 30Hz, 4K 60Hz (18 Gbps), accepts HDR formats: Dolby Vision, HDR, HLG   |
| <b>Video outputs:</b>           | 1 x HDMI (2.0b – HDCP 2.2 – eARC)   |
| <b>Control interfaces:</b>      | 1 x DB9 RS232 connector, 2 x IR sensor inputs, 1 x IR output (loop from one of the sensor inputs), 1 x trigger input, 4 x trigger outputs, 1 x RJ45 ethernet LAN connector, 2 x USB A connectors, 1 x SD card slot, (Backup - storage for system software and settings) |
| <b>Accessories included:</b>    | RoomPerfect™ microphone, microphone stand, microphone cable, RF remote control  |
| <b>Placement options:</b>       | Rack mount or freestanding  |
| <b>Heat dissipation value:</b>  | 290 BTU   |
| <b>Dimensions (H x W x D):</b>  | 140 x 450 x 359 mm<br>5.51 x 17.7 x 14.1 inches   |
| <b>Weight:</b>                  | 6.7 kg / 14.8 lb  |
| <b>Finish:</b>                  | Matte black   |
| <b>Item no.:</b>                | 900010499   |