

Magazin für digitales HiFi

All-in-one Revolution



- High End mit Vollausrüstung auf minimalem Raum
- HiRes-Streaming, Bluetooth, Vinyl, TV und Radio
- Automatische Raumeinmessung, inkl. Profi-Mikrofon

Sonderdruck

Lyngdorf TDAI-1120

Smart Speaker
vom Experten

- 360-Grad-Sound mit nur einer Box



Top-Performance für
Schreibtisch und Anlage

- Class-A-Kopfhörerverstärker mit HiRes-DAC

Streamer

DAC

Pre-amplifier

Power amplifier



Space Miracle

Compact all-in-one systems are commonplace, but many manufacturers fail to offer capabilities and quality at a truly attractive price. With Lyngdorf, another manufacturer is trying to make a breakthrough in this challenging equipment class.

Peripherie:

- Sources: Audiodata Musikserver MS II, Roon
- LAN cable: Audioquest Cinnamon
- Loudspeaker cable: Audioquest Rocket 44
- Loudspeaker: KLANG+TON „Nada „

The Danes take the „compact“ seriously in their latest model. Although at 30 centimeters wide, it is certainly not the world's narrowest amplifier, the new TDAI-1120 simply looks amazingly small. Of course, there is no need to talk at length about the advantages. The small dimensions make placement extremely easy, and the device fits easily on a shelf, rack, or sideboard. As usual, Lyngdorf takes great care of an appealing design in Danish style for this tiny device. Therefore, the amplifier looks like a compressed version of the big TDAI models. A display takes up practically the entire left part of the front, while two rotary controls dominate the other half. Especially the large volume control with its surrounding lighting is quite impressive. The smaller knob is then used to select one of the countless sources represented by their own illuminated symbols on the display. Stylishly and without much gimmickry, Lyngdorf translated their elegant design language well into the compact format.

But the challenge is to provide a small device with the necessary capabilities, most of which nowadays are done with only one connection. If you connect the TDAI-1120 to a network via Wi-Fi or Ethernet, the door to the world of music playback is wide open. vTuner provides a comprehensive Internet radio service, while Spotify can be used with the usual Connect function. Additional apps for media playback can be used via AirPlay2 or the integrated Chromecast receiver. Also, streaming via UPnP is supported, and finally, the small Lyngdorf is also Roon Ready. Therefore it can be operated with the Roon app.

Nevertheless, you should also use the Lyngdorf Remote App to control all device features in one place. This app is as modern a design as the equipment it operates. A narrow side menu allows access to the various sources. The main screen displays the current track, including player functions, while the volume control is implemented with a simulated wheel, which allows for pleasantly precise settings. The app also provides easy access to the TDAI-1120's extensive browser menu, where numerous settings can be configured in terms of inputs, output, tone control, and network. This is also the right place to use the showpiece function of the little Lyngdorf: Even with its smallest system, the Danes have incorporated their well-known RoomPerfect technology. RoomPerfect changes the frequency response and timing of the output signals to combat the effects of room modes, walls, and furniture. Of course, this is not just a matter of guessing, but of measuring. Lyngdorf goes the extra mile and includes a high-quality, calibrated measuring microphone with the TDAI-11200, including a suitable stand. A novelty for a device of this category and price class.

The microphone is connected to the device via a separate input, at which point the measuring process can be started with the app. For this purpose, different test signals are transmitted through the speakers for about two minutes before the system calculates a corrected signal autonomously. Up to five listening positions can be defined as a focal point and called up on request. In the app's player screen, it is then possible to switch RoomPerfect on or off at any



Music:

- **Alexis French**
Evolution
(FLAC, 96 kHz, 24 Bit)
- **Queens Of The Stone Age**
Villains
(FLAC, 96 kHz, 24 Bit)
- **The Brahms Project**
The Complete Piano Quartets
(FLAC, 192 kHz, 24 Bit)
- **Cage The Elephant**
Cage The Elephant
(ALAC, 44,1 kHz, 16 Bit)
- **Pearl Jam**
Gigaton
(Dolby, 96 kHz, 24 Bit)



The high-quality measurement microphone included with the TDAI meets professional standards



From phono to Bluetooth and playback of files on USB storage devices, the small TDAI-1120 offers every convenience



Lyngdorf combines minimalist design with high-quality workmanship

time and thus play the original signal. Even in our acoustically well-adjusted listening room, we noticed a distinct difference to the original sound when switching. The all-in-one system presented itself even more powerful, precise, and with more depth when the sound control was active. Although there is hardly any reason to use the TDAI-1120 without this feature, the compact system also offers enormously dedicated, great sound in bypass mode. The sounds of Alexis Ffrench's „Evolution“ were spread far across the room, making the Lyngdorf sound much bigger than one would expect from a compact system.

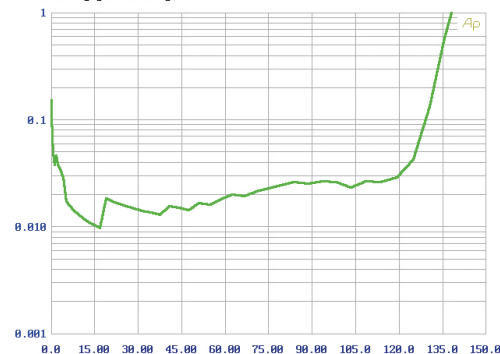
The harp's delicate sounds presented great micro-dynamics, while the gentle gliding of bows over the strings offered a beautiful timbre. The piano benefited from the incredible precision of the TDAI. Fast strokes, out of the silence, had a wonderfully vivid effect and always struck the mark. The all-

in-one system also played crisply and lively with music of a somewhat heavier nature. „Villains“ by Queens of the Stone Age impressed us with a good portion of power in the bass, which was again combined with the right amount of precision. Here, too, the excellent spatiality and general size of the stage made itself marvelously evident. Thanks to clear transparency, not a single detail escaped the listener, whether from further back or directly in front of the listening spot. So the TDAI-1120 is quite capable of putting even larger systems with individual components in its pocket, and it makes background music just as enjoyable as focused listening.

This makes it all the more astonishing that Lyngdorf dispenses with a classic design using DAC chips. Just like the other devices of the TDAI series, it relies instead on fully digital signal

Distortion vs. Power: The output stages of the digital system partly shows some steps, but this only has measurement effects

Klirrfaktor gegen Leistung.



Lyngdorf TDAI-1120

- Price: ca. 2.000 Euro
- Distributor: Drei H, Hamburg
- Phone: 040 37507515
- Internet: www.3-h.de
- W x H x D: 300 x 101 x 260 mm
- Inputs: 1 x Ethernet, Wi-Fi, Bluetooth, 2 x S/PDIF coaxial, 2 x Toslink optical, 1 x USB-A, 1 x HDMI (ARC), 2 x RCA Stereo (of which 1 x Phono), 1 x XLR Microphone (only for measuring)
- Supported formats: Popular PCM formats
- Supported sample rates: PCM up to 192 kHz, 24 bit
- Outputs: 1 x speaker stereo, 1 x RCA stereo
- Power: about 69 Watt into 8 Ohm, about 134 Watt into 4 Ohm

HiFi

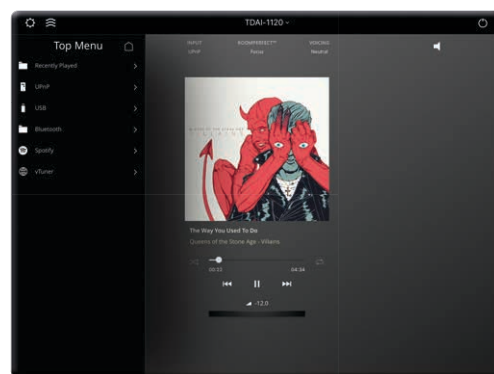
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„Small device, big sound. With the TDAI-1120, Lyngdorf offers one of the best compact systems on the market. Modern design and sophisticated technology offer a great listening experience in any room and from any source.“

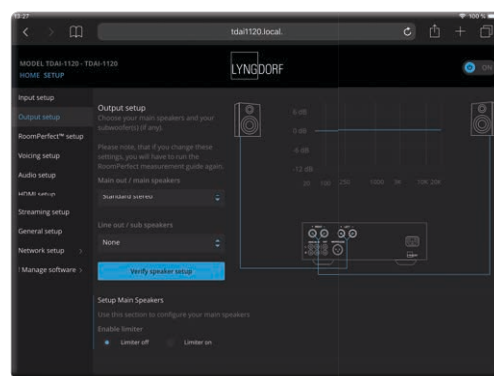
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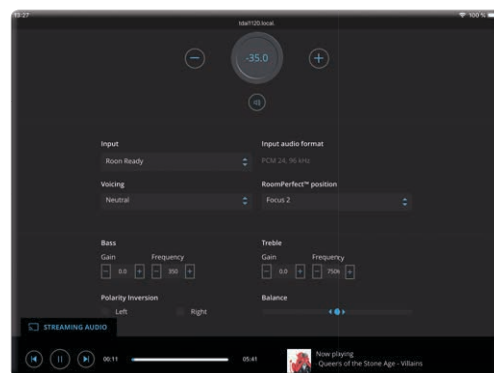
To save space, the device is constructed in several levels



The Lyngdorf Remote App allows convenient operation of UPnP and other sources



The settings menu offers many possibilities for adjusting the device



Separate treble and bass adjustment is also possible in the web menu of the TDAI-1200

processing. Only when the signals are passed on to the speakers, do they become analog. Only the power amplifiers themselves, driven by the system's data stream, perform the actual conversion. This way, the playback of music files in standard formats and sampling rates of up to 192 kHz at 24 bits is possible. Modern DAC chips indeed offer a bit more, but realistically there is hardly any music available beyond that anyway. In addition to their ability to convert signals, the amplifiers must also deliver the necessary power. Lyngdorf has designed its compact system well to meet these requirements. The factory specification of a maximum of 120 watts at 4 ohms was considerably surpassed on our measuring system. The display ended up showing almost 135 watts before the distortion limit was exceeded. However, this power doesn't unfold in a completely linear fashion

because little happens at the lower end at first. In the upper half of the scale, the TDAI-1120 got going. Larger bookshelf speakers and even smaller floor standing speakers should not be a problem for the compact Dane.

With the TDAI-1120, you get a modern designed and operated system suitable for any form of digital music playback. Thanks to HDMI with ARC, even the TV sound can be played back through the device. All sources benefit from the sophisticated technology of room correction, making it possible to place the system exactly where you want it without having to live with a loss of sound quality. A pair of speakers is sufficient to create a versatile and high-quality system in a small space. Lyngdorf has thus redefined the benchmark for high-quality compact systems.