



151 MK2 Musiccenter

The 151 Musiccenter is the 'little brother' of the Reference Line 111 Musiccenter and functions as a high-end music server. As with the reference product 111, it combines outstanding sonic characteristics with extraordinarily fast processing of even significant amounts of data.

The 151 Musiccenter can be operated with a fixed output level into an existing system using a preamplifier, or alternatively using its variable output section and connected directly into power amplifiers or active loudspeakers.

In addition to the knowledge gained from the development of the Reference Line 111 Musiccenter - and our experience since its launch - ideas, requests and suggestions from our customers in particular have been taken into account in order to develop a device that guarantees the highest level of acceptance and customer satisfaction.

More about our 151 MK2 Musiccenter



ANALOG VOLUME CONTROL

The central element of the 151 Musiccenter is the analog volume control. This offers the essential advantage over the more common (and much easier to realize) digital volume control that even at lowest volumes the full resolution of the music is preserved without data reduction.

In addition, the 151 Musiccenter can be connected directly to a power amplifier or active loudspeakers. Due to the increased output voltage in variable volume mode, no additional pre-amplifier is necessary, as its amplification stage is already integrated in the 151 Musiccenter. With these prerequisites, the 151 Musiccenter is ideally suited as the centerpiece for a flexible high-end system at the highest level.

The analog volume control also enables the 151 Musiccenter to compensate for volume jumps between individual tracks of a playlist without changing the original dynamics of the tracks. During the ripping process each track is determined according to a listening model for medium volumes and stored as a correction value in an internal database. During playback, the corresponding correction value is loaded and fed into the analog volume control for seamless, balanced playback.

SOPHISTICATED ANALOG CIRCUITRY

The Musiccenter 151 is completely constructed in elaborate balanced circuit technology and an exclusively DC-coupled signal path and the avoidance of disturbance with coupling capacitors ensures a precise low-frequency reproduction, since there is no phase shift in the listening area.

D/A - CONVERTER

The analog output stages receive their signal from a balanced D/A converter at Reference level with switchable sampling rates (96 kHz and 192 kHz) and 24-bit signal processing. The D/A converter receives the digital audio data from a sophisticated clock regeneration system, which largely eliminates jitter that is detrimental to the sound.

COMPUTING TECHNOLOGY

All software for the operation of the 151 comes from Burmester's own development team, which ensures complete control over all aspects from start to finish with sonic performance being the priority. Thus, the entire software harmonizes perfectly with the motherboard of the processing unit, which was specially modified according to Burmester's specifications.

OPERATION

The 151 Musiccenter has various methods of operation. The essential basic functions can be operated both on the unit itself and via the supplied infrared remote control. For example, the volume can be adjusted or playback paused at any time at the touch of a button, without having to call up a menu. In addition, the 151 Musiccenter can also be brought from standby to operating mode with the infrared remote control. Full operation of all functions is possible via the iPad® app in combination with the web interface, which are also developed entirely in-house.

DESIGN

The design of this product highlights and incorporates the timeless design language familiar from Burmester devices through its clean lines and characteristic chrome front. Thus, the 151 Musiccenter perfectly fits into the ranks of Burmester components both sonically and visually.

DATA SECURITY AND RIP FUNCTION

With the help of the integrated drive, the 151 Musiccenter not only plays CDs, but is also able to rip them in high-end quality, saving their contents to the integrated hard disks. Two mirrored SSD hard disks with a capacity of 2 TB each (usable hard disk capacity is approx. 2TB) ensure the

security of the user's valuable music data.

One hard disk serves as the storage location for your music library, whilst the second one stores the same information in parallel to guarantee that your data is available as a backup copy at any time. The cover, title and artist information is matched with the Burmester database automatically. Afterwards it can be selected for the CDs to be ripped in highest possible quality or in 'fast mode'.

Explanation of rip quality: With normal CD drives, due to the forward error correction (FEC) of only a few seconds, there is a risk that older or scratched CDs will result in an audio data stream that contains sporadic sound-reducing dropouts. Since there is no real time requirement when reading or ripping a CD (in contrast to playing it) and thus the audio data can be read out several times, the Burmester 151 Musiccenter is able to process this data in the highest possible resolution and quality. Thus, it assembles a data stream without the described losses of the CD and enables musical enjoyment at the highest level.

NETWORK AND WIFI

The 151 Musiccenter has both an Ethernet socket (for connecting the 151 to an existing wired network) and an integrated WLAN card, which is equipped with two antennas. Both antennas are always operated in

parallel, so that a more stable radio connection can always be used. This prevents radio interference caused by multiple reflections. With the integrated WLAN card, the 151 can serve as an access point for wireless devices (for example an iPad®). If no network is available, the Musiccenter can also be operated in standalone mode. In this case, it continues to provide all functions that are not tied to an Internet connection.

FUTURE-PROOF THROUGH WEB ACCESS

In addition to the possibility of obtaining future updates via the Internet, other web services and content providers can also be integrated. This ensures that the device is always up to date and that the customer can be provided with the latest features.

FEATURES

- SSD system hard disk
- 2x2 TBSSDformusicdata
- Raid1System(datasecuritythroughbifurcatedharddrives,2TBusable)
- Supported Audio formats: FLAC/wav/mp3/AIFF/OGG/AAC/ALAC(m4a)
- ProvenBurmesterreferenceconvertertechnologywithbalancedconversion
- Can be connected to network via LAN/WiFi
- Sample rate for D/A conversion selectable between 96 kHz/24 bit and 192 kHz/24 bit to suit personal taste
- DLNA/UPnP Server
- Tidal account integration *
- Qobuz account integration*
- Integration of Idagio Account*
- Integration of HIGH RES AUDIO*
- Browser interface on HTML
- Support through a continuously maintained list of Internet radio stations*.
- Secure and user-friendly updating of system software
- Analogue compensation of volume jumps between individual tracks
- Gapless play through track analysis and intelligent caching
- Excellent network performance, also in connection with other network players

FUNCTIONS

- CD player
- Rip and streaming functions
- Music server
- Internet radio
- Playlist export to USB stick
- Music playback from an USB stick
- Convenient control via Burmester
- iPad® app (iPad® not included)

* The usability of third party services (internet radio, music streaming service providers) with the 151 Musiccenter may be subject to terms of use of the third party providers as well as technical requirements of the user and third parties (internet access, service availability), over which Burmester Home Audio GmbH has no influence.



151 MK2
 TOP LINE

TECHNICAL DETAILS

| | |
|--|---|
| Weight | 7,9 kg |
| Width | 482 mm |
| Height | 96 mm |
| Depth | 367 mm |
| Analog outputs | stereo XLR, stereo RCA |
| Digital input/ output | 1 RCA, 1 TOTX |
| Upsampling to 96 kHz/24 bit | yes |
| Switchable to 192 kHz/24 bit | yes |
| Remote controllable | yes |
| BurLink | yes |
| Remote input/ output | 1 / 1 |
| Output impedance sym/ asym | 500 Ω/ 250 Ω |
| Max. output level 1 % THD +N | 13 V |
| Analog input | stereo mini XLR (adapter or connection cable included, 2x Mini-XLR-Male to XLR-Female 1 m) |
| Frequency response digital input and CD player | < 1 Hz - ½ FS (DAC) |
| Signal-to-noise ratio | > 105 dBV |
| THD+N 1 kHz, Bw 10 Hz-22 kHz | < 0,0008% |
| Gain factor | variable |
| Power consumption standby | <20 mA |
| Power consumption active (USB) | <200 mA |

Burmester Audiosysteme GmbH

Burmester Audiosysteme GmbH is one of the world's most renowned manufacturers in the field of high-end audio systems. The owner-managed company based in Berlin was founded in 1977 by Dieter Burmester. With a clear focus on home and automotive audio, Burmester maintains global collaborations with industry leaders in other industries (including: Mercedes-Benz, Porsche and the Königliche Porzellan Manufaktur Berlin, among others) and is a member of Meisterkreis Deutschland and the Initiative for German Manufactures.