Burmester

SHORT OPERATING GUIDE

151 MUSICCENTER



TOP LINE

Dear Music Enthusiast,

Congratulations on your selection and thank you for your trust.
You have chosen a product that combines absolute fidelity and uncompromising quality with technical innovation and maximum flexibility.
Please read through these operating instructions at least once before initially installing the product so you can fully benefit from all the functions of this truly high-fidelity device. Should any of your questions remain unanswered, please contact your specialist dealer or us directly.

Talk to us about any special requests you may have – even if they seem exceptional. We love accepting technically feasible challenges.

We wish you many hours of high-fidelity listening.
The Burmester Team

iPad® is a registered trademark of Apple® Inc., registered in the U.S.A. and other countries.
HIGHRESAUDIO is a registered trademark.

Using third-party services (Internet radio, music streaming services) with the 151 Musiccenter is subject to any terms of use of those suppliers, as well as technical requirements for the user such as Internet access and service availability over which Burmester Home Audio GmbH has no control.

Software version 3.20

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A Word of Caution

Please keep in mind that the Musiccenter 151, like any other electrical device, must be handled with care and caution at all times. Especially digital components operate with very high and potentially lethal voltages. Careless or negligent operation may not only damage the device and other components in the system but may also cause bodily harm and even death.

Important Safety Information

Opening the device

Do not open the device. The device does not contain any parts that can be maintained by the user. Fuses inside the device may only be replaced by authorized staff, such as your specialist dealer.

Replacing defective fuses

A defect fuse may render the device inoperative, meaning the device does not turn on even though a power supply is present. When the power plug is connected and the mains switch is on, a lethal voltage is present after opening the fuse holder inside the fuse compartment. The fuses (F1, F2) are located inside the device and may only be replaced by a qualified professional.

Power supply

Use the supplied 3-wire power cord for power supply. The protective earth contact must not be rendered ineffective. Furthermore, the device may only be connected to an outlet with a functioning protective conductor connection.

The device has a power supply unit that automatically adjusts to the power supply. As a result, the device can be operated with all common power supplies.

Lay the power cord in a way that prevents it from being damaged. Do not use a damaged power cord. Instead, switch the device off and contact your specialist dealer.

Disconnecting the device from the power supply

To disconnect the Musiccenter from the power supply completely, use the easy-to access mains switch on the rear panel.

Placing the Musiccenter

When selecting an installation location, please note the following:

- Avoid direct sunlight, excessive heat, cold, moisture, and dust.
- Ensure sufficient ventilation. Do not place the device in a closed rack.
- Do not cover the slots and openings on the device. They serve as a means of ventilation.
- Do not expose the device to dripping water or spray water and do not place any containers holding liquids on your device. Do not place any open ignition sources, such as burning candles, on the device.

Operation during thunderstorms

During thunder and lightning storms, disconnect the device from the power supply by unplugging the power cord from the unit or from the power socket. Switching off the mains switch on the rear panel of the device is not sufficient. For good measure, also disconnect all connected components from the power supply.

Backup

Burmester recommends backing up audio data saved in the 151 to an external USB drive via the web interface. Backups should be performed every six months or after ripping a certain number of CDs. Please refer to the enclosed separate document "Instructions for Operation via a Web Browser" for more information on performing a backup".

Unpacking the Musiccenter

1. Place the box on the floor and carefully remove the 151 and its accessories.
2. Place the device on a stable, level surface.
3. Protect the device from heat and humidity.
4. Connect the 151 as described in the following chapter.

What's in the box?

The following items are supplied:

- 151 Musiccenter
- 2 screw-on antennas for Wi-Fi reception
- Power cord
- Remote control
- These operating instructions: Quick Start Guide; Owner's Manual for the 151, Instructions for Operation via the iPad® App, Instructions for Operation via a Web browser, TIDAL manual

Installing the Musiccenter

Connecting the Wi-Fi antennas

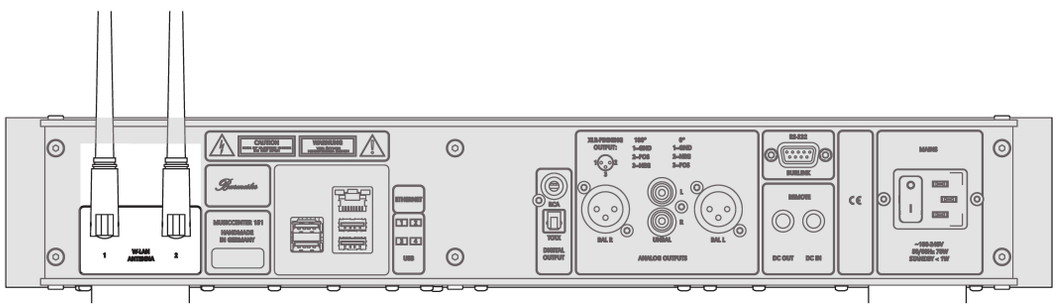
The Wi-Fi antennas are required to connect a computer (iPad®, tablet, Mac, PC) to the Musiccenter via Wi-Fi.

CAUTION

Damage due to missing or incorrect connection

Not connecting the antennas could damage the Wi-Fi unit. Tightening the antennas too tightly could damage the connections.

- ► Always mount both antennas, even if you don't use Wi-Fi.
- ► Only tighten the screw base finger-tight. Do not use a tool.



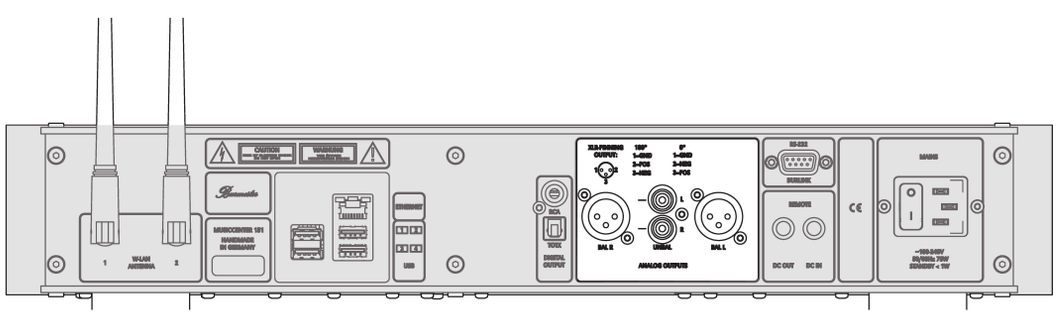
► Mount the two supplied antennas on the antenna sockets on the rear panel.

Connecting a power amplifier

CAUTION

Damage through connecting or disconnecting powered-up components

- ► Switch off all components before connecting or disconnecting them.
- ► Make sure that all connections are correct before switching the system on.

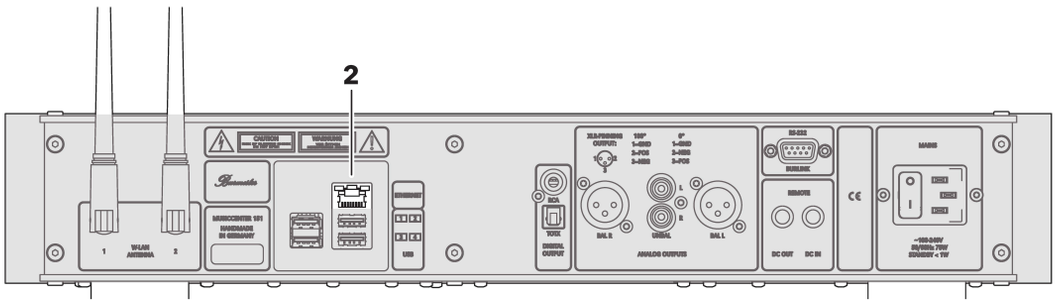


The Musiccenter features balanced XLR terminals and unbalanced RCA terminals for analog connection to a power amplifier. With a balanced connection, you will achieve better sound.

✓ Make sure that all components to be connected are switched off.

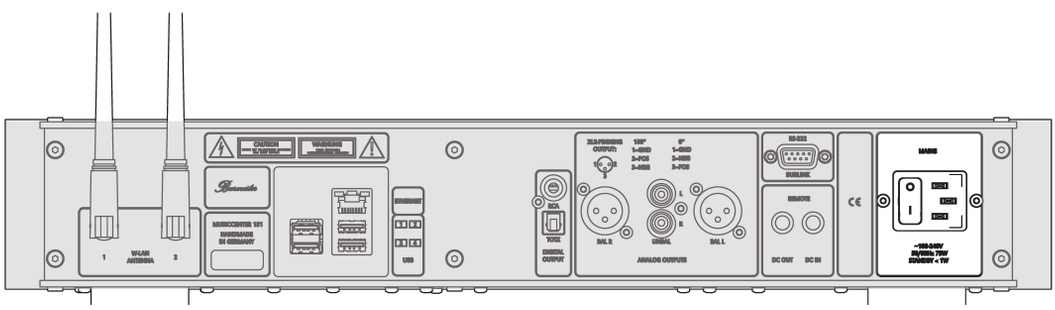
1. Connect the Musiccenter to the power amplifier as desired.
2. Use the iPad® app or the web interface to select a suitable audio profile (see "*Instructions for Operation via the iPad App*" or "*Instructions for Operation via a Web Browser*").

Connecting a network cable



You can connect the Musiccenter to your home network via the Ethernet connection (2) and a network cable.

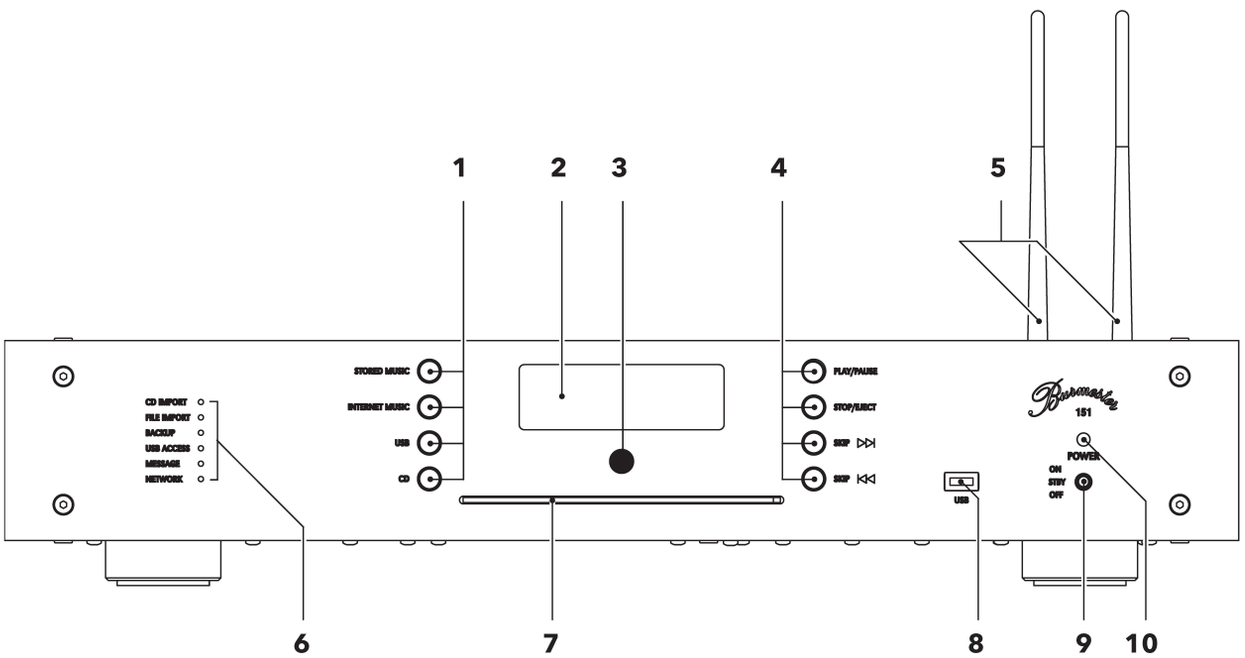
Connecting the power cord



✓ Make sure the **MAINS** switch is set to **OFF**.

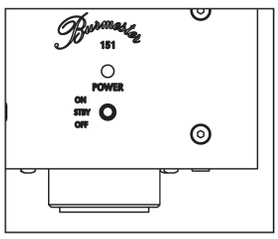
1. Connect the supplied power cord to the device and plug it into the AC outlet.
2. Switch the **MAINS** switch to **ON**.

Control Elements and Displays



1	**Left bank of buttons for signal source selection** The selected signal source is shown on the display. • **STORED MUSIC:** Playback of internally stored music. • **INTERNET MUSIC:** Playback of music from the Internet. • **USB**: Playback of music stored on a device connected to a USB port. • **CD**: Playback of music from a CD.
2	**Display**
3	**Infrared receiver** The IR receiver receives the remote control signals. Do not place objects in front of the receiver.
4	**Right bank of buttons to operate all sources** • **PLAY/PAUSE**: Starts or pauses playback at the current position. • **STOP/EJECT**: Stops playback. • **SKIP >>I:** Playback skips to the next title. • **SKIP I<<:** Playback skips to the previous track or the beginning of the track currently playing. With Internet radio, playback skips to the next or previous station on the list.
5	**Wi-Fi antennas**
6	**LED display** • **CD IMPORT**: Indicating transfer of data from CD to hard disk. • **FILE IMPORT**: Indicating import of file via web interface. • **BACKUP**: Your music data is being backed up or restored. *NOTICE:* Do not switch the device off if any of these 3 LEDs is lit. • **USB ACCESS**: A USB device is connected and has been detected. • **MESSAGE**: A message is present. Messages can be called up via the web interface or an iPad®. • **NETWORK**: A connection to the network has been established. The colors indicate: – **Red** = No network available. – **Orange** = The device has been assigned an IP address or is in stand-alone mode. – **Green** = A connection to the Internet has been established.
7	**CD drive**
8	**USB port**
9	**ON/OFF switch (POWER)** • **ON**: Briefly pushing the switch upward turns the Musiccenter on. The switch returns to the center position. The LED lights up in red. Pushing the switch upward again returns the device to standby mode. • **STBY**: The switch is in the center position The device is in stand-by mode and can be switched on using the remote control. The LED lights up in orange. • **OFF**: The switch is in the down position. The device is switched off. It cannot be switched on with the remote control. The LED is not lit.
10	**LED (operation/standby)** • LED lights up in orange: the device is in standby mode. • LED lights up in red: the device is turned on.

Switching the Musiccenter on and off



1. The **MAINS** switch on the real panel of the device is set to **I** (On).
2. Move the **POWER** switch on the front panel to the center position.
   - ↳ After a delay of up to 3 seconds, the LED lights up in orange and the device is in standby mode.
3. Briefly push the **POWER** switch upward or press the **POWER** button on the remote control.
   - ↳ The LED lights up in red and the system initiates. The display first shows "STARTING," then "PREPARE".
   - ↳ Once the Musiccenter has started successfully, "MC 151" appears in the display. The LED above the **POWER** switch lights up in red. The LEDs on the left side of the front panel indicate the current operating status.

Note: The start-up process can take up to 2 minutes.

Switching the device into standby mode:

- ► Briefly push the **POWER** switch on the device upward or press the **POWER** button on the remote control.
  - ↳ The display shows "**SHUTDOWN**".
  - ↳ After the system is shut down, the device switches to standby mode.

Note: Shutdown can take up to 1 minute.

Switching off the device completely:

- ► Press the **POWER** switch downward into the **OFF** position.
  - ↳ After the system is shut down, the device switches off. It can no longer be switched on with the remote control.

How to connect the Musiccenter to a Network?

A network connection is required for internet access as well as for networking the Musiccenter with other devices. This offers the following additional functions:

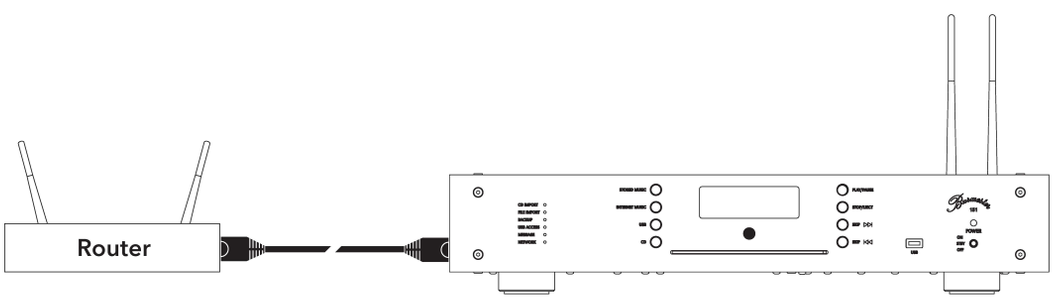
- Calling up album information from the Internet during ripping.
- Choose between a multitude Internet radio stations.
- Stream musical content from providers such as TIDAL (subject to a fee).
- Downloading music from providers such as HIGHRESAUDIO (subject to a fee).
- Receiving messages, for example on software updates.
- Performing a software update via the Internet.

Detailed information on how to perform these functions can be found in the separate manuals *„User Guide for Operation via the iPad® App"* and *„User Guide for Operation via a Web browser"*.

There are two ways to connect the Musiccenter to a network:

- Using an Ethernet cable
- Using a Wi-Fi connection

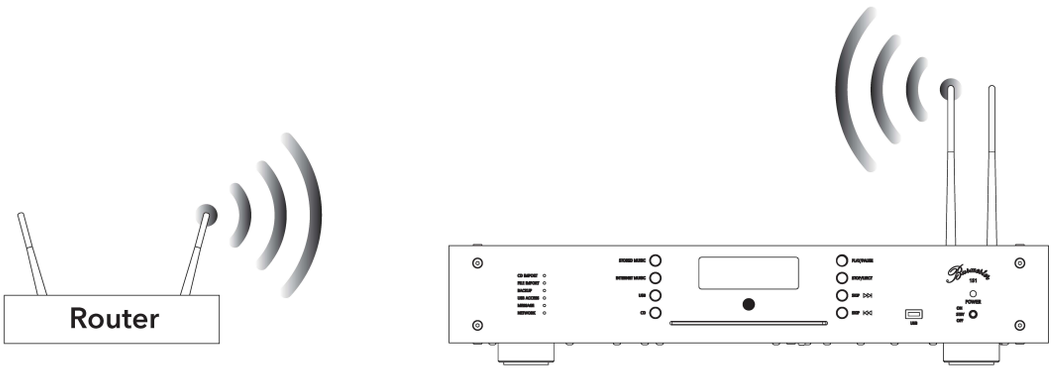
Establishing a network connection with an Ethernet cable



1. Connect the Musiccenter to your router using an Ethernet cable.
2. On the remote control, press the **OSD** button, then the buttons **7 – 8 – 9**.
   ↳ All LEDs on the device light up in **orange** (see page 8).
3. Press number button **0** and then the **OK** key.
   ↳ During the switching process, the **NETWORK** LED on the device flashes **red**.
   ↳ After switching the **NETWORK** LED lights up in **orange**, when the device is connected to the network. The color changes to **green** when the device is connected to the internet.

Note: If you have issues with the network connection, you can also contact your Burmester dealer, who would be happy to help you during installation.

Establishing a network connection using Wi-Fi



1. Press the **OSD** key on the remote control and then the buttons **7 – 8 – 9**.
   ↳ The LEDs on the left side of the front panel light up orange.
2. Press number button **2** and then the **OK** key.
   ↳ The network scan commences and the **NETWORK** LED blinks red.
   ↳ After finishing the network scan the **NETWORK** LED blinks alternately green and orange.
3. Connect your computer via Wi-Fi with your Musiccenter (see *"Establishing a Wi-Fi connection between Musiccenter and iPad®" on page 13* or *"Establishing a Wi-Fi connection between Musiccenter and Tablet/PC/Mac" on page 13*).
4. Open a Web browser on your computer and type the IP address of the Musiccenter (**192.168.111.1**) or **http://musiccenter151.local** into the search box.
   ↳ The browser displays a list of all available Wi-Fi networks.
5. Click on the name of the desired Wi-Fi network.
6. Encoded networks will display a lock symbol. Type in the password of your Wi-Fi router and hit **accept**.

Initially, the network LED will light orange. It will change to green when the Musiccenter is connected to the Internet.

Note: If you are using an iPad® you can also open the App **BurmesterMC** after connecting iPad® and Musiccenter. Select **Configure**, the browser starts automatically and the list of available Wi-Fi networks appears.

Note: in case of a hidden Wi-Fi network select **Not in List** (hidden ssid) and type in the Name of the Wi-Fi network in the **SSID** box. After that enter the Wi-Fi password of your router and click **accept**.

Note: If a wrong password has been entered the Musiccenter will not connect and the network LED lights up **red** (after no more than one and a half minutes). Return to step 1 of the process to establish a Wi-Fi connection.

Note: When the Musiccenter has been connected to a Wi-Fi network it is no longer possible to establish a direct Wi-Fi connection between computer (iPad®, Tablet, PC, Mac) and the Musiccenter. In that case the Wi-Fi connection needs a router.

When the Musiccenter is connected to a Wi-Fi network all network settings will be saved.

How to connect Computer and Musiccenter?

Establishing a LAN connection between Router and computer

- Use an Ethernet cable to connect your computer to your router.

Establishing a Wi-Fi connection between Musiccenter and iPad®

- Please find the description on how to connect the Musiccenter with an iPad® via Wi-Fi in the separate manual *„User Guide for Operation via the iPad®-App"* under the chapter *„How to connect the iPad® with the Burmester device*".

Establishing a Wi-Fi connection between Musiccenter and Tablet/PC/Mac

The procedure when using a different computer depends on the installed operating system. Assistance may be obtained using the Help function of the operating system.

- In case of a direct Wi-Fi connection with the Musiccenter use the following specifications:
  - Name of the network (SSID): **Musiccenter151**
  - Password: **Burmester151**
- In case of a Wi-Fi connection via a router use the following specifications:
  - Name of the network (SSID): **Name of the router**
  - Password: **Wi-Fi password of the router**

How to play content from the Network?

To use the Musiccenter to stream music for example in a multiroom-application needs an active UPnP/DLNA server or a Musiccenter in the network.

Select the desired audio source via the iPad® App in the menu **Devices > Inputs** or via the Web browser's pop-up menu. Detailed information can be found in the separate manuals *„User Guide for Operation via the iPad® App"* and *„User Guide for Operation via a Web browser"*.

Note: To facilitate seamless communication of network devices regardless of make the Musiccenter has been certified for the UPnP and DLNA standards. Trouble-free operation can thus only be guaranteed with devices that incorporate one of these standards.

The user interface and therefore the presentation of the available music depends on whether a Burmester Musiccenter or a server of a different make has been selected as source. Please find more information in the separate Manuals „User Guide for Operation via the iPad® App" and *„User Guide for Operation via a Web browser"*.

How to play Content from a USB stick?

When playing back music that has been saved on a USB stick it does not matter how the music has been transferred to the stick (e.g. from a computer or via download from the Musiccenter memory), how the titles are organized (all in one folder or in various subfolders), or in which compatible format they are available (e.g. MP3, AAC, FLAC).

Playing back contents from a USB stick:

1. Insert the USB stick into the USB slot on the front panel or into one of the USB slots on the back panel of the Musiccenter.
   ↳ As soon as the USB stick is detected, the **USB ACCESS** LED lights up.
   ↳ Playback starts automatically.

Note: Press the **USB** button on the 151 to continue playing music from a USB device that is already plugged in after changing the source.

2. Use the right bank of buttons on the Musiccenter or the corresponding buttons on the remote control to control playback.

On the device	On the remote control	Function
PLAY/PAUSE	⏯	Starts or pauses playback at the current position.
STOP/EJECT	⏹	Stops playback.
SKIP ⏭	⏭	Playback skips to the next title.
SKIP ⏮	⏮	When pressed during playback, skips to the beginning of the track playing and if pressed twice, to the previous track.

How to play a CD?

1. Insert a CD into the CD slot below the display. (You do not have to select the CD Player operating mode before playing a CD.)
   ↳ Insert the CD until you feel noticeable resistance. It is then automatically pulled in.
   ↳ The CD is read and then played back immediately.
2. Use the right bank of buttons on the front panel or the corresponding buttons on the remote control to control playback.

On the device	On the remote control	Function
PLAY/PAUSE	⏯	Starts or pauses playback at the current position.
STOP/EJECT	⏹	Stops playback and ejects the CD if playback is already stopped.
SKIP ⏭	⏭	Playback skips to the next title.
SKIP ⏮	⏮	When pressed during playback, skips to the beginning of the track playing and if pressed twice, to the previous track.

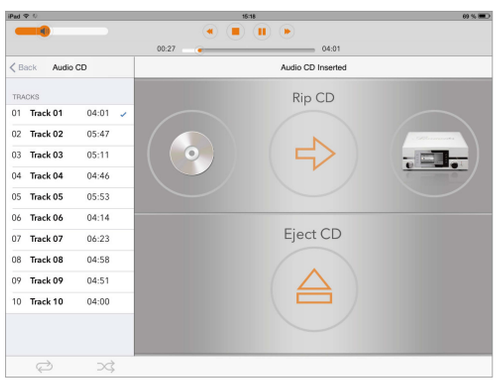
How to copy (Rip) a CD to the Internal Memory?

Copying music or videos from a data source to a computer's hard disk is referred to as ripping. After the CD is analyzed, the data is imported, supplemented with information on the album and artist, and saved in the Musiccenter's database in the audio format FLAC. Ripping a CD requires you to operate the Musiccenter via the iPad® app or web interface. The two variants are virtually identical and are therefore described together below. Differences are indicated in the text. The screenshots show the iPad® App Please see the separate documents "Instructions for Operation via the iPad App" and "Instructions for Operation via a Web Browser" for detailed information on operation using the iPad® app and web browser.

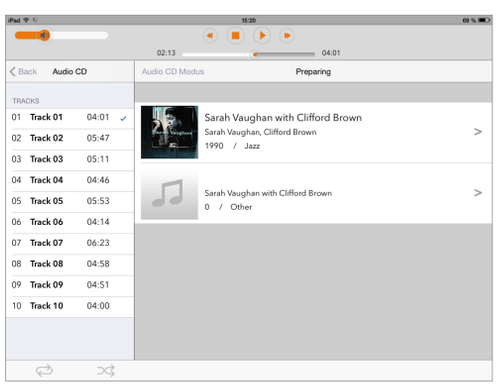
Ripping a CD:

► Start the iPad® app or call up the Musiccenter's web interface.

1. Insert a CD into the CD drive.
   ↳ After you have inserted the CD up to the noticeable resistance, it is automatically pulled in. The CD is read and then played back immediately.
2. iPad® app: In the Inputs menu, select **Audio CD** by tapping on it.
   Web interface: Click the arrow next to the drop-down menu and select **Audio CD**.
   ↳ The tracks are displayed (but not the album and track names).
3. Select the ⇨ **icon**.
   ↳ Analysis begins.

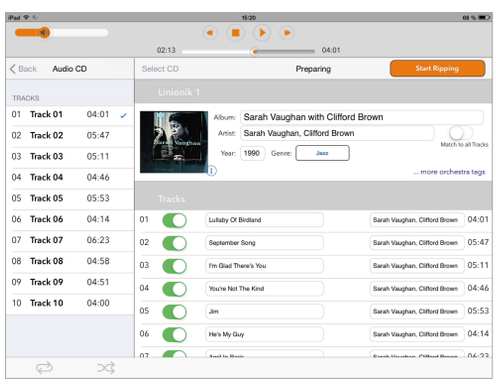


↳ If the proper album information is found, a prompt asks you to confirm the associated album. In some circumstances, multiple albums are offered for selection.



Note: Album information can only be downloaded if an Internet connection exists. If there is no connection, the album information (without cover) is obtained from the local database.

4. After selecting an album, the album and all tracks are displayed. You now have the following editing options:
   a. **Album cover:** Click the i icon to the right below the cover and make a selection in the menu window.
   Via **Extended Search**, you can search for additional hits on the Internet, including changed artists or albums.



b. **Album, Artist, Year:** Click the respective input field and change the information. Activate the function **Match to all Tracks** if you want to allocate the artist's name to all tracks.

c. **Genre:** Click the field and select a genre from the list.

d. **Orchestra Information:** Tap **...more orchestra tags** (web interface: **...orchestra tags**) and fill out fields as necessary.

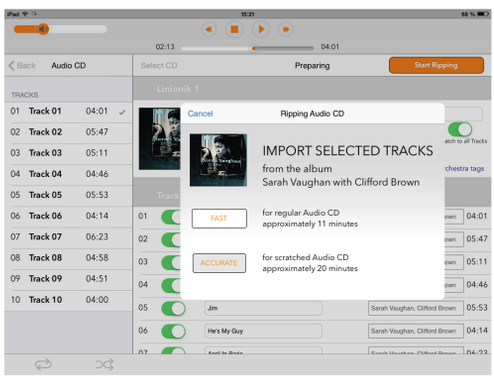
e. **Tracks:** You can edit the title and artist for each track separately (iPad® app: if you have activated **Match to all Tracks**, you cannot change artist information). Tap one of the fields to change the information manually.

f. **Excluding tracks from ripping:** To exclude a track from ripping, tap the switch (web interface: click the checkmark).

5. Click **Start Ripping**.
   ↳ A window opens where you can select the rip quality.

   FAST: Use FAST for CDs that have no or only a few scratches. The CD is imported without any quality improvement.

   ACCURATE: Use ACCURATE for heavily scratched CDs. The imported data is checked based on defined criteria and any error sources are already eliminated during the ripping process. Ripping with ACCURATE takes nearly twice as long as ripping with FAST.

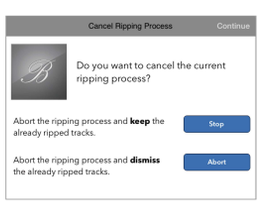


   The approximate times for each type are indicated respectively.

6. Click the desired option.
   ↳ Ripping starts. The progress for each track is displayed via a bar. If ACCURATE was selected rating stars denote the quality of the original data after ripping. 5 stars indicate maximum quality.

To cancel ripping,

► Click Cancel.
   ↳ A menu opens:
   Stop: Tracks that have already been ripped remain.
   Abort: Tracks that have already been ripped are deleted.
   Continue: Ripping continues.



After the process is completed the album is available on the device permanently. You can then play the album via the **player**.

How to play Content stored on the 151?

To be able to play back content stored in the Musiccenter, you must first create a playlist from the saved titles. You can create a playlist using the BurmesterApp or via the webbased user interface (web GUI).

Note: Please consult the separate documents “Instructions for Operation via the iPad App” and “Instructions for Operation via a Web Browser” for further information.

Starting a playlist:

1. Press the **STORED MUSIC** button on the device.
2. Use the right bank of buttons on the front panel or the corresponding buttons on the remote control to control playback.

On the device	On the remote control	Function
PLAY/PAUSE	⏯	Starts or pauses playback at the current position.
STOP/EJECT	⏹	Stops playback.
SKIP ▷▷|	⏭	Playback skips to the next title.
SKIP |◁◁	⏮	When pressed during playback, skips to the beginning of the track playing and if pressed twice, to the previous track.

How to play Content from the Internet?

To play content from the Net the Musiccenter needs access to the Internet. You’ll find a first quick guide on page 11.

You can select radio station or music streaming services using the iPad® or your Web browser.

Note: Detailed information about the operation in a network and about playing content from the Internet can be found in the separate Manuals „User guide for operation via the iPad® App“ and “User guide for operation via a Web browser“.

Streaming music online using TIDAL

TIDAL is an online streaming service which offers high-resolution music. TIDAL’s content can be selected using the iPad® or a Web browser.

► To connect your TIDAL user account with the Musiccenter type in your access data via the iPad® App under **Settings** > **Online Services** or via the Web browser under **System** > **Settings**.

Note: Detailed information on how to use TIDAL can be found in the attached user guide.

Note: Making use of services from outside suppliers such as Internet radio or music streaming services with the Musiccenter may be subject to separate conditions of use as well as to technical capabilities of the user or the outside supplier (Internet availability; availability of services) that are outside the control of Burmester Home Audio GmbH.

How to query Serial Number and Device Version?

You can query the serial number and software and firmware version of your Musiccenter by using the remote control:

► Press the **OSD** button the remote control, then press **2 – 2 – 2**.
  ↳ The serial number (SNR), software version (VERS), and firmware version (FW) of your device appear in sequence on the display.

How to perform a System Update?

You can update the software on your Musiccenter online or via a USB stick.

Updating online

The online update is started via the web interface. Please see the separate document "Instructions for Operation via a Web Browser" for more detailed information.

Note: For online updates the installation files are downloaded to your device from the Burmester server. You need an Internet connection with sufficient bandwidth.

Updating via a USB stick

1. Save the current software on a USB stick. You can obtain the current software from your specialist dealer.
2. Plug the stick into the USB slot on the front panel or into one of the slots on the rear panel of the Musiccenter.
3. On the remote control, press the **OSD** button, then the buttons **2 – 5 – 8**.
   ↳ The LEDs on the left side of the device panel light up red.
4. Press the **OK** button on the remote control.
   ↳ The update starts.
   ↳ The LEDs flash and the display shows "**Firmware Update in progress**".
   ↳ After the update has been completed the device reboots.

Technical Specifications

Input/Output Connectors

Analog outputs	1x stereo XLR, 1x stereo cinch (RCA)
Digital outputs	1x coaxial, 1x optical (TOSLINK)
BURLINK remote control	1x RS-232
REMOTE remote control	2x coaxial power connectors, 5.5/2.5 mm (DC OUT,DC IN)
Ethernet	1x RJ-45
USB	4x USB 2.0, type A 1x USB 2.0, type A on the front
Power supply	IEC socket C14 acc. to IEC 60320-1 with mains switch
Wi-Fi antennas	2x coax connectors

Components

CD drive	CD-DA
Hard disk	2x 2 terabytes (RAID)
Display	Green point matrix, monochrome, 8 characters, dimmable

General Specifications

Dimensions (W x H x D)	482 mm x 95 mm x 345 mm (19'' x 3.75 '' x 13.5'') The lengths of the plugs to be connected are not included in the dimensions.
Weight	Approx. 8.2 kg (18 lbs)
Power supply	100 V – 240 V, 50 Hz/60 Hz
Fuses	F1: T 1 A E, F2: T 1.25A E
Power consumption	ON: max. 58 W STBY: <1 W OFF: <1 W

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