

Burmester

NETWORK PLAYER 150



Owner's Manual

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 150 Network Player 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 Audiosysteme GmbH has no control.

Software-Version 3.20

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INTRODUCTION

The Network Player 150 was designed and manufactured with the highest possible audio performance in mind. This performance is greatly influenced by the correct installation and operation of this fine audiophile instrument. We, therefore, urge you to read this manual very carefully and keep it handy for future reference.

This manual is intended to give you all the information you need to operate the Network Player (Software Version 3.20) safely and to its full potential.

To use all the functions of the 150 Network Player you will need either an Apple iPad® with the free BurmesterMC App installed or any computer (PC, Tablet, Mac) with a Web browser (iPad® or computer are not included). How to use the App or a Web browser to control the Network Player will be explained in a separate manual.

A WORD OF CAUTION

Please keep in mind that the Network Player 150, 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.

A BRIEF OVERVIEW OF THE NETWORK PLAYER 150

The Burmester Network Player 150 combines several premium audio components into one unit, providing multiple options for highest-quality reproduction of music.

Home network

Connect the Network Player 150 to your home network. Thanks to the DLNA/UPnP standard it has access to the musical content stored on other devices on the same network. This could be a Burmester Musiccenter or UPnP/DLNA server on the network.

Music-streaming Services and Internet radio¹

With an existing Internet connection, you may stream high-resolution music from providers like TIDAL and access a variety of Internet radio stations.

Using the iPad® app

Conveniently control the Network Player using an Apple iPad® tablet with the free BurmesterMC app installed:

- Select the signal source.
- Scroll through the covers of saved albums or display information on album contents and artists (available only if a Burmester Musiccenter is selected as source via UPnP).
- Create and play playlists.

Note: Please consult the separate manual "*Instructions for Operation via the iPad® App*" for more information on installing and operating the iPad® app.

Operation using a Web browser

Even without an iPad® you can access the Network Player using any standard Web browser. In addition to selecting albums, tracks or playlists for playback the Web browser interface offers some additional functions:

- Call up device-specific information.
- Change device settings.

Note: Please consult the separate manual "*Instructions for Operation via a Web Browser*" for more information.

¹ Connecting to the Internet and downloading music may result in usage-dependent cost.

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-lead power cord for the AC connection. The protective ground lead must not be eliminated. Furthermore, the device may only be connected to a grounded AC outlet.

The Network Player has a power supply unit that automatically adjusts to the available power supply. As a result, the device can be operated with all common household currents. String the power cord in a way that prevents it from being damaged. If a power cord does get damaged we recommend switching the device off and contacting your audio dealer.

Disconnecting the device from the power supply

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

Placing the Network Player

When selecting an installation location, please observe 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 other components from the power supply.

UNPACKING THE NETWORK PLAYER

1. Place the box on the floor and carefully remove the 150 and its accessories.
2. Place the device on a stable, level surface.
3. Protect the device from heat and humidity.
4. Connect the 150 as described in the following chapter.

What's in the box?

The following items are supplied:

- Network Player 150
- 2 screw-on antennas for Wi-Fi reception
- Power cord
- Remote control
- These operating instructions: Quick Start Guide; Owner's Manual for the 150, Instructions for Operation via the iPad® App; Instructions for Operation via a Web browser

INSTALLING THE NETWORK PLAYER

Connecting the Wi-Fi antennas

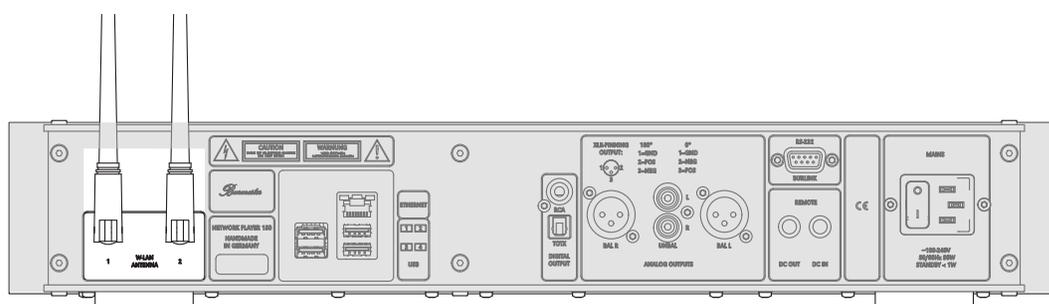
The Wi-Fi antennas are required to connect a computer (iPad®, tablet, Mac, PC) or a router to the Network Player via Wi-Fi.

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.

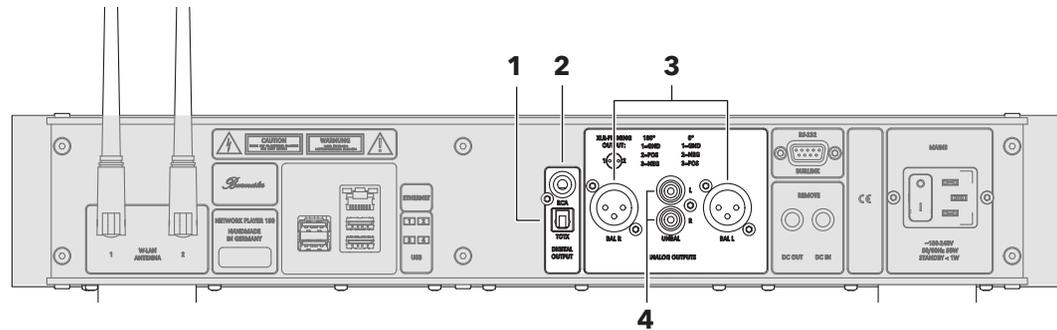
- ▶ Always mount both antennas, even if you don't use Wi-Fi
- ▶ Only tighten the screw base finger-tight. Do not use a tool.



- ▶ Mount the two supplied antennas on the antenna sockets on the rear panel.

Connecting a Preamp or Power Amplifier

The Network Player features analog and digital outputs for connecting a preamp or power amplifier. Since the 150 offers volume control by remote it can be connected directly to a power amplifier. The digital output is particularly suitable for preamps with a digital input.



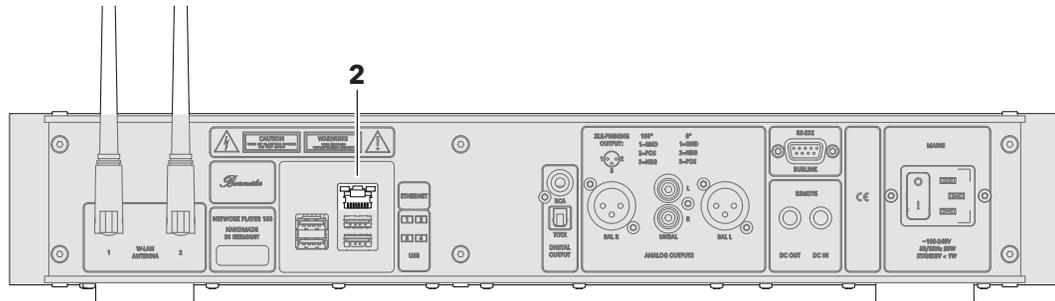
- | | |
|----------|---|
| 1 | Optical digital output
Used to connect a preamp, for example, with an optical digital cable (TOSLINK). |
| 2 | Coaxial digital output
Used to connect a preamp, for example, with a coaxial digital cable (RCA). |
| 3 | Balanced analog outputs
Used to connect a preamplifier or power amplifier with a balanced interconnect (XLR). |
| 4 | Unbalanced analog outputs
Used to connect a preamp or power amp with an unbalanced interconnect (RCA). |

CAUTION

Damage through connecting or disconnecting powered-up components
Connecting or disconnecting components while they are switched on may damage the Network Player or other devices in the system.

- ▶ Switch off all components before connecting them with each other.
- ▶ Make sure all connections have been made correctly before switching the system on.

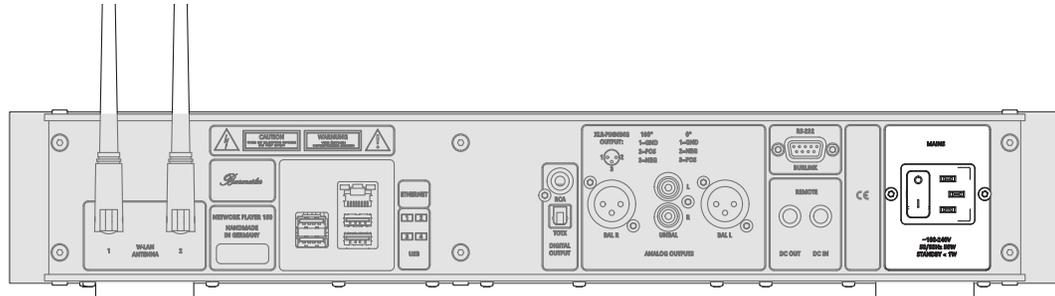
Connecting a network cable



The Network Player may be connected to your home network using the Ethernet terminal (2) and a network cable.

Caution: Please read the User Guide on how to use the Network Player in a network before plugging in the network cable.

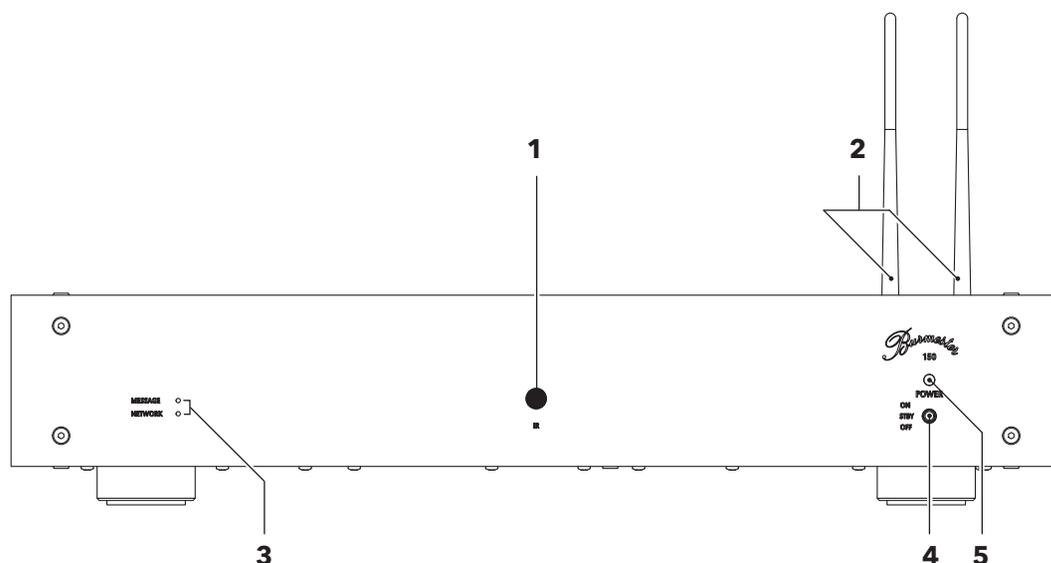
Connecting the power cord



✓ Make sure the MAINS switch is set to OFF.

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

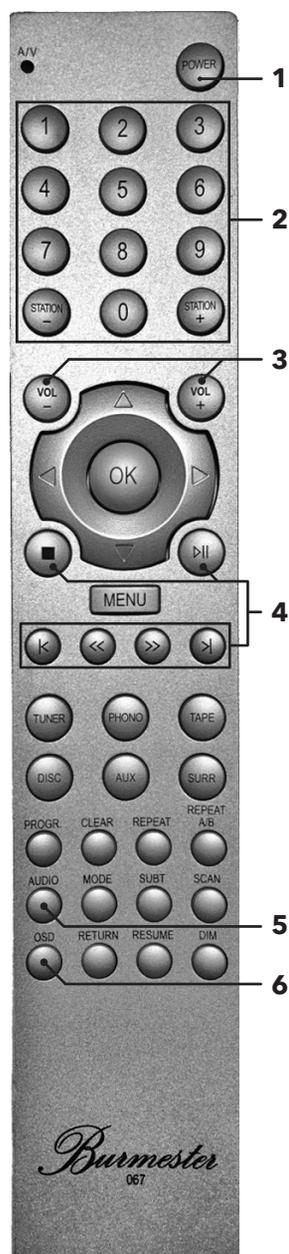
CONTROL ELEMENTS AND DISPLAYS



1	Infrared receiver The IR receiver receives commands from the remote control. It must not be covered up by objects.
2	Wi-Fi antennas
3	LED display <ul style="list-style-type: none"> • MESSAGE: A message has been received. Messages may be retrieved via the Web interface or using an iPad®. • NETWORK: A network connection has been established.
4	ON/OFF switch (POWER) <ul style="list-style-type: none"> • OFF: The Player is switched off. Turning it on using the remote control is not possible. The LED is dark. • STBY: The Player is in standby mode and can be switched on by remote control. The LED is lit orange. • ON: Briefly pushing the switch on the front panel upward turns the Network Player on. The switch returns to center position. The LED is lit red. Pushing the switch up again returns the player to standby mode.
5	LED (operation/standby) <ul style="list-style-type: none"> • LED is lit orange: The device is in standby mode. • LED is lit red: The device is turned on.

FUNCTIONS OF THE REMOTE CONTROL

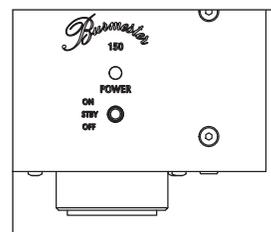
The supplied remote control allows the control of the Network Player's playback functions. Advanced options are available when using the optional iPad® App or the Web interface. They are described in more detail in the enclosed separate User Guide.



1	Power on/off Switching the Network Player on or turn it to standby mode.
2	Number keys Enter numbers to change device settings (see 6 OSD).
3	Volume Change the volume setting.
4	Playback control <ul style="list-style-type: none"> ■ Stop playback. ▷ Start playback or pause current playback. K CD: Skip to the beginning of the current track. Press again to jump to the preceding track. Internet radio: Navigate between stations. ◀◀ Move playback back by 10 seconds. Internet radio: Not assigned ▶▶ Move playback forward by 10 seconds. Internet radio: Not assigned ⌋ CD: Skip to the next track. Internet radio: Navigate between stations in the station list.
5	AUDIO Switch between 96 kHz and 192 kHz sampling frequency.
6	OSD Change device settings. <ul style="list-style-type: none"> ▶ To change device settings, first press the OSD key and then enter one of the following codes using the number keys on the remote control: <ul style="list-style-type: none"> - 2 - 5 - 8: Firmware Update (see also page 21) - 7 - 8 - 9 - 0: Standard mode - 7 - 8 - 9 - 2: Wi-Fi setup for Wi-Fi client ▶ When done press the OK key to confirm.

HOW TO SWITCH THE PLAYER ON?

- ✓ The **MAINS** switch on the rear panel is set to I (On).
- 1. Move the **POWER** switch on the front panel to the center position.
 - ↳ After a delay of up to 3 seconds the LED lights up orange and the Player is in standby mode.
- 2. Toggle the **POWER** switch briefly upward or press the **POWER** button on the remote control.
 - ↳ The LED lights up red and the system initializes. This process may take a little time.
 - ↳ After the start-up has been completed the LED above the **POWER** switch will light up red. The LEDs on the left of the front panel show the current operating status.



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

Switching the Player into standby mode:

- ▶ Briefly toggle the **POWER** switch on the front panel upward or press the **POWER** button on the remote control.
 - ↳ After the shutdown is complete the Player switches to standby mode.

Note: The shutdown process may take up to 1 minute.

Switching the Player completely off:

- ▶ Move the **POWER** switch on the front panel down into **OFF** position.
 - ↳ After the system shutdown the Player switches off. It can no longer be switched on with the remote control.

HOW TO CONNECT THE NETWORK PLAYER TO A NETWORK?

Connecting the Network Player with a network is the pre-requisite for Internet access as well as for networking with other devices. The connection to the Internet also enables additional function:

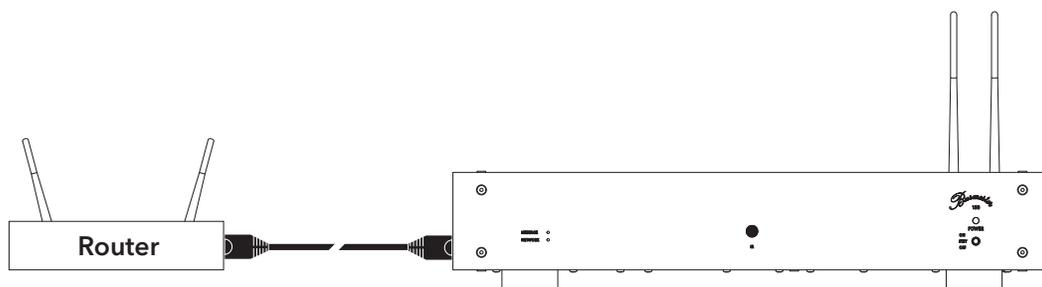
- Choose between a multitude Internet radio stations.
- Stream musical content from providers such as TIDAL.
- Receive messages, for example for a software update.
- Performing a software update via the Internet.

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 Network Player to a network:

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

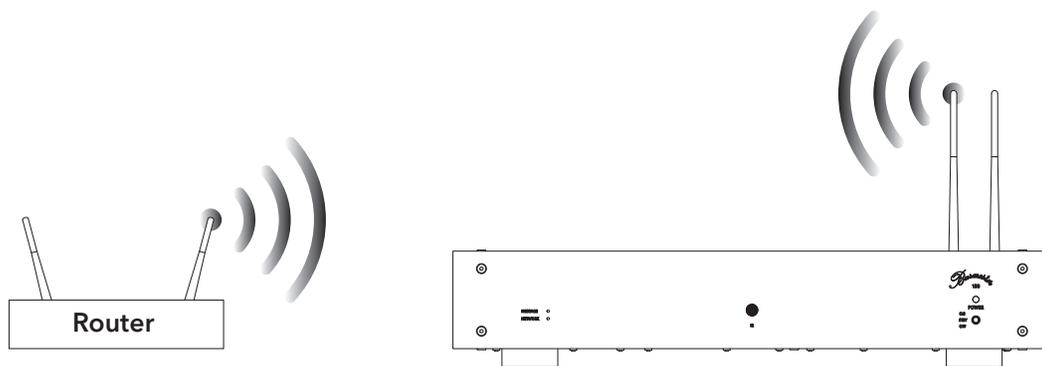
Establishing a network connection with an Ethernet cable



- ▶ Connect the Network Player to your router with an Ethernet cable.
 - ↳ In most cases, when using DHCP, an IP address is assigned to the Network Player automatically.

Note: If you have problems with establishing a network connection you can also contact your Burmester dealer who would be glad to assist you with the 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 LEDs are blinking red.
 - ↳ After finishing the network scan the LEDs blink alternately green and orange.
3. Connect your computer via Wi-Fi with your Network Player (see "Establishing a Wi-Fi connection between Network Player and iPad®" on page 19 or "Establishing a Wi-Fi connection between Network Player and Tablet/PC/Mac" on page 19).
4. Open a Web browser on your computer and type the IP address of the Network Player (**192.168.111.1**) or **http://networkplayer150.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 Network Player is connected to the Internet.

- Note:** If you are using an iPad® you can also open the App **BurmesterMC** after connecting iPad® and Network Player. 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 Player 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 Network Player 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 Network Player. In that case the Wi-Fi connection needs a router.
- When the Network Player is connected to a Wi-Fi network all network settings will be saved.

OPERATING OPTIONS FOR THE NETWORK PLAYER

The Network Player can be operated in various ways, using the supplied remote control, an iPad® or any Tablet, PC or Mac. Depending on the device, the operating software (App or Web browser) and the preferred connection (Wi-Fi or Ethernet cable) you can tailor the operating profile to your liking. The following sections explain in detail the various possibilities.

Using the remote control

Operating the Network Player with the remote control is the simplest alternative. However, it offers only the most basic operating functions. You can control playback and switching the device on and off.

You'll find a description of the various keys and their function in the chapter „*Functions of the Remote Control*“ on page 13.

Using an iPad® and the BurmesterMC iPad® App

Using an Apple iPad® (not supplied) and the free App BurmesterMC offers a particularly convenient way to operate the Network Player. You can:

- Switch between connected signal sources.
- Scroll through the covers of saved albums or display information on albums and artists.(this applies only when selecting a Burmester Musiccenter as source via UPnP)
- Create and play playlists.
- Listen to Internet radio or stream high-resolution music from a music stream provider (this will incur usage-dependent cost).

To use the iPad® App you will need the following:

- An Apple iPad® with the BurmesterMC App installed.
- A Wi-Fi connection between iPad® and Network Player or a connection to the same network as the Network Player.

Additional information:

- ▶ To establish a Wi-Fi connection see "How to connect Computer and Network Player?" on page 17.
- ▶ To install and operate the iPad® App see the separate manual "User Guide for operation using the iPad® App".

Using a Web browser

If you don't have the App you can use any standard Web browser installed on any computer (iPad®, Tablet, PC, Mac) to operate the Network Player. This is possible thanks to a graphical Web interface embedded in the Network Player which is compatible with most computers. This operation method offers the user expanded options for managing music and device settings.

To use a Web browser you need the following:

- A computer (iPad®, Tablet, PC, Mac) with an installed Web browser
- An Ethernet or Wi-Fi connection between computer and Network Player

Additional Information:

- ▶ To establish an Ethernet connection see "How to connect the Network Player to a Network?" on page 14.
- ▶ To establish a Wi-Fi connection see "How to connect Computer and Network Player?" on page 17.
- ▶ To operate the Network Player with a Web browser please consult the separate Manual „User Guide for operation using a Web browser“.

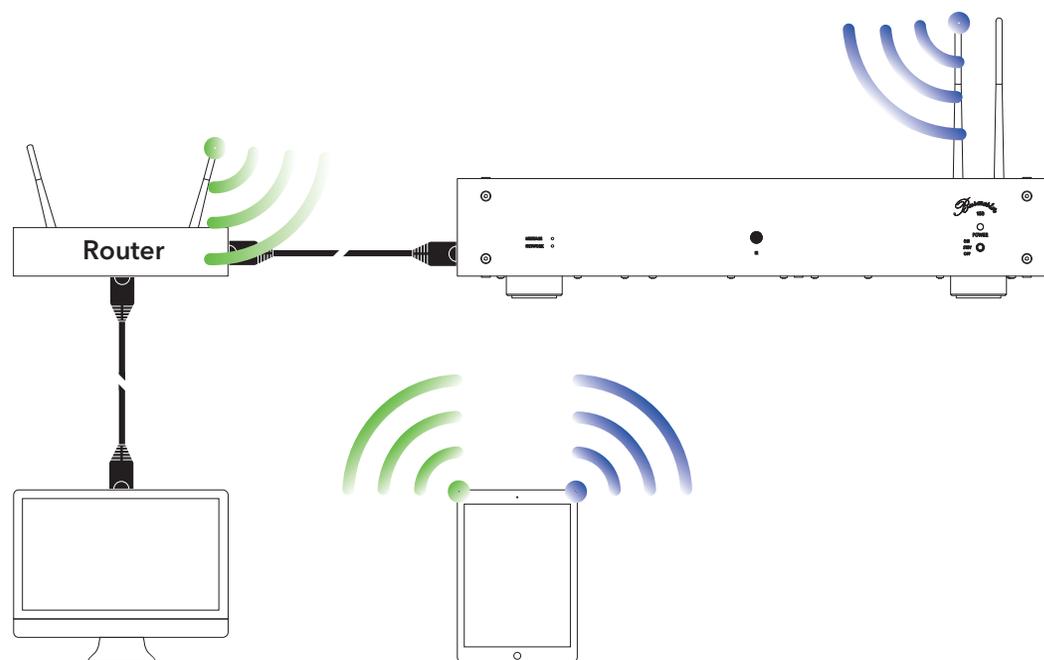
HOW TO CONNECT COMPUTER AND NETWORK PLAYER?

To operate the Network Player with a computer (iPad®, Tablet, PC, Mac) a connection has to be established between computer and Network Player. Depending on the computer used and the type of connection between router and Network Player Wi-Fi or Ethernet cable - there are the following possibilities:

Type of computer	Type of connection		Control software
	Ethernet cable between router and Network Player	Wi-Fi connection between router and Network Player	
PC/Mac without Wi-Fi	Ethernet connection to the router	Wi-Fi connection to the router	Web browser
iPad®	Wi-Fi connection to the router or directly to the Network Player	Wi-Fi connection to the router	App or Web browser
PC/Mac with Wi-Fi, Tablet	Wi-Fi connection to the router or directly to the Network Player	Wi-Fi connection to the Router	Web browser

The following charts clarify further the different types of connection and the available control software.

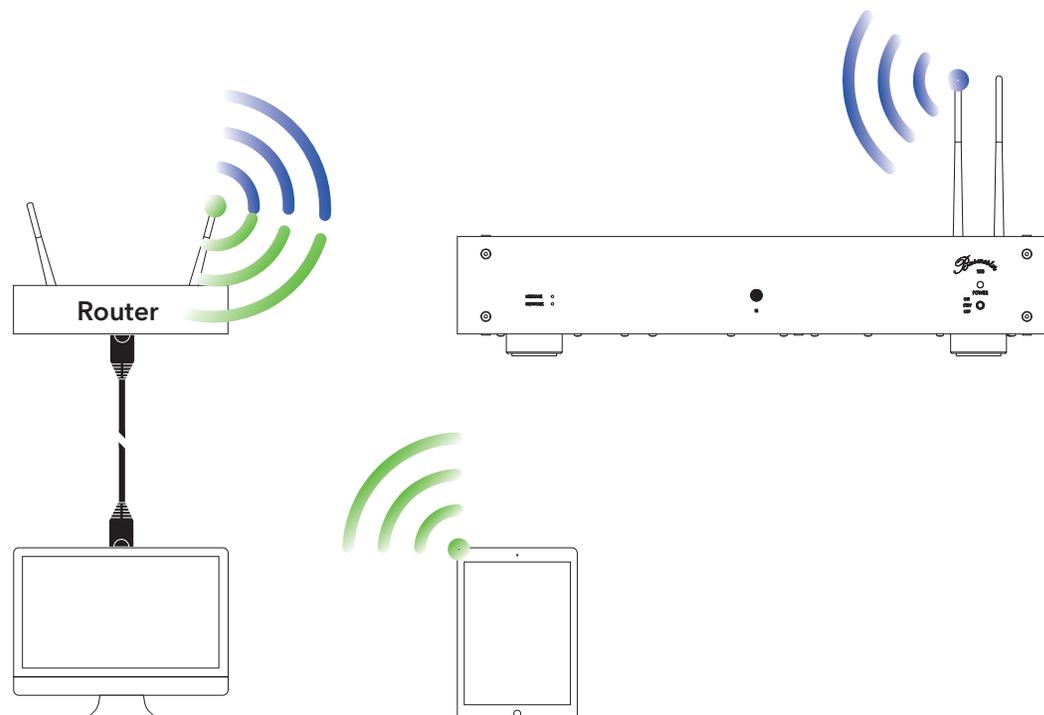
Connections using a network connection via Ethernet cable



PC, Mac:
Web Browser

iPad®: BurmesterMC App
or Web browser
Tablet: Web browser

Connections using a Wi-Fi network connection



PC, Mac:
Web Browser

iPad®: BurmesterMC App
or Web browser
Tablet: Web browser

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 Network Player and iPad®

- ▶ Please find the description on how to connect the Network Player 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 Network Player 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 Network Player use the following specifications:
 - Name of the network (SSID): **Networkplayer150**
 - Password: **Burmester150**
- ▶ 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 Network Player 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 Network Player 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 STORAGE DEVICE?

To play music from a USB storage device it has to be saved there first. However, it does not matter how the content has been transferred (for example from a PC), how the tracks are organized (all in one folder or in various sub-folders) or in which compatible format they are available (i.e. MP3, AAC, FLAC).

Playing content from a USB storage device:

1. Connect the USB storage device with one of the USB slots on the rear panel of the Network Players.
↳ Playback will start automatically.
2. Use the appropriate keys on the remote control to control playback.

Remote control	Function
	Starts or pauses playback at the current position.
	Stops playback.
	Playback skips to the next track.
	Skips to the beginning of the current track when pressed during playback. Skips to the previous track when pressed again.
	Jump back 10 seconds during playback.
	Jump forward 10 seconds during playback.

HOW TO PLAY CONTENT FROM THE INTERNET?

To play content from the Net the Network Player needs access to the Internet. You'll find a first quick guide on page 14.

You can select radio station or music streaming services using the iPad® or your Web browser. You'll find a first quick guide on page 16.

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 Network Player 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 Network Player 150 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 Audiosysteme GmbH.

HOW TO PERFORM A SOFTWARE UPDATE?

You can update the software of your Network Player online or via a USB stick.

Updating online

The online update is initiated via the Web interface. Detailed instructions can be found in the separate manual „*User guide for operation via a Web browser*“.

Note: During the online update the installation files are downloaded from the Burmester central server. You will need Internet access with sufficient bandwidth.

Updating via a USB stick

1. Save the current software on a USB storage device (i.e. a USB stick) The current software is available from your Burmester dealer.
2. Connect the USB device to one of the USB slots on the back panel of the Network Player.
3. On the remote control press the **OSD** key and then number buttons **2 - 5 - 8**.
 - ↳ The LEDs on the left side of the front panel light up red.
4. On the remote control press the **OK** key.
 - ↳ The update starts.
 - ↳ After a successful update the Network Player re-boots.

TECHNICAL SPECIFICATIONS

Input/Output Connectors

Analog outputs	1 x Stereo XLR, 1 x Stereo RCA
Digital outputs	1 x coaxial, 1 x optical (TOSLINK)
Remote control BURLINK	1 x RS-232
Remote control REMOTE	2 x Hollow plug 5,5/2,5 mm (DC OUT, DC IN)
Ethernet	1 x RJ-45
USB	4 x USB 2.0, Typ A
Power supply	IEC socket C14 after IEC 60320-1, with mains switch
Wi-Fi antennas	2 x coax screw connectors

General Specifications

Dimensions (W x H x D)	482 mm x 95 mm x 345 mm (19" x 3.75" x 13.5") The space needed for plugs is not included in the dimensions.
Weight	app. 8kg (18 lbs)
Voltage	100 V – 240 V, 50 Hz/60 Hz
Fuses	F1: T 1 A E, F2: T1.25A E
Power consumption	ON: max. 40 W STBY: <1 W OFF: <1 W



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