

Burmester

OWNER'S MANUAL

101 INTEGRATED AMPLIFIER



CLASSIC LINE

TABLE OF CONTENT

ABOUT THIS DEVICE	5
ABOUT THESE OPERATING INSTRUCTIONS	6
Used symbols and characters	6
Meaning of warning symbols and words	6
IMPORTANT SAFETY INFORMATION	7
Unpacking	7
Set-up	7
Connecting	7
Power on	8
Operation	8
Maintenance and care	8
UNPACKING AND SETTING UP THE DEVICE	9
Unpacking	9
<i>Supplied items</i>	9
<i>Packaging</i>	9
Set-up	9
THE DEVICE AT A GLANCE	10
Front side	10
Back side	11
The remote control	12
CONNECTING THE DEVICE	13
Connecting the inputs	13
Connecting the outputs	14
<i>Important information regarding connection</i>	14
<i>Connecting the speaker outputs</i>	15
<i>Connecting the preamplifier output</i>	16
<i>Connecting headphones</i>	16
BURLINK interface	16
Connecting the remote output	17
Connecting the power cord	17
OPERATING THE DEVICE	18
Power on/off	18
Selecting a signal source	19
Adjusting the volume	19
Smooth function	20
Subsonic filter (optional)	20
Pre-out only mode	21

Surround Thruput function	21
Remote output.	22
Protective functions.	22
BURLINK (BURMESTER LINK CONNECTION)	23
Connectors.	23
Commands.	23
MAINTENANCE, REPAIR, AND CARE	24
Replacing defective fuses	24
Cleaning the device	24
DISPOSAL.	24
WARRANTY.	24
TECHNICAL DATA.	25

Dear Music Fan,

Congratulations on your selection and thank you for your trust.

You have chosen a device that combines absolute fidelity and uncompromising quality with technical innovation and maximum flexibility.

We recommend reading through these operating instructions completely at least once before commissioning the device so you can fully benefit from all the functions this exceptionally audiophile device has to offer. 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 hope you enjoy listening to your music.

The Burmester team

ABOUT THIS DEVICE

The 101 integrated amplifier is the latest integrated amplifier in the Burmester product range and serves as a prime example of the perfect combination of efficient class-D power amps with an analog power supply. With the power reserves it provides, the 101 effortlessly achieves the warm and well-balanced sound so characteristic of Burmester products, all in a compact design. The switchable “Smooth” function also ensures a rounded, detailed sound, even at low volumes.

Within the Burmester soundscape, the 101 integrated amplifier is the ideal partner for the 102 CD player, especially when combined with speakers from the Burmester portfolio.

Preamp function: the additional balanced outputs also enable the use as a pure preamp in top-notch high-end quality or a later upgrading with external power amplifiers.

As expected from Burmester, the 101 also features a fully balanced circuit layout. Its pre-out and headphone amplifiers are DC-coupled, meaning they dispense entirely with distorting coupling capacitors in the signal path.

Surround Thruput function: With the Thruput the 101 can easily integrate surround components into a stereo system. To this end the XLR input AUX 2 (21) may be used to connect the two front channels of a surround decoder / processor. After turning on the Surround Thruput the signals are now independently slaved through directly to the outputs.

Highlights:

- Pre-out in absolute high-end quality
- Headphone output on the front
- Efficient class-D power amps
- Analog power supply
- Switchable “Smooth” function
- Surround Thruput
- Remote control connection for powering external Burmester components on and off

ABOUT THESE OPERATING INSTRUCTIONS

These operating instructions describe the set-up, connection, and operation of your 2-channel 101 integrated amplifier (hereinafter referred to as "integrated amplifier" or 101).

Please note the following:



- ▶ Read and follow the information given, in particular the safety information and warnings.
- ▶ Save these operating instructions.

Used symbols and characters

✓	Requirement Designates a requirement which must be fulfilled before a subsequent action can be taken.
▶	Action step Designates an individual action step
1. 2. 3.	Sequence of actions Designates a sequence of action steps which have to be performed in the given order.
↪	Result Designates the outcome of an action

Meaning of warning symbols and words

This document uses the following warning symbols and words:

	The general danger symbol, in conjunction with the warning words CAUTION, WARNING, and DANGER, serves to warn against the risk of severe injuries. Follow all subsequent instructions to avoid injury or death.
	The lightning symbol, in conjunction with the warning word DANGER, serves to warn against a lethal electrical voltage.
ATTENTION	The warning word ATTENTION indicates a danger that can lead to damage to or destruction of the device.
CAUTION	The warning word CAUTION indicates a danger that poses a low or medium risk of injury.
WARNING	The warning word WARNING indicates a danger that can lead to death or severe injuries.
DANGER	The warning word DANGER indicates a danger which can directly lead to death or severe injury.

IMPORTANT SAFETY INFORMATION



Please read through the device operating instructions completely and save them. Should you have any questions, please contact your specialist dealer.

Unpacking

An operating temperature that is too low or too high may lead to errors in the device. For this reason, after unpacking the device, leave it standing for some time before connecting it and turning it on.

The device is delivered packaged in a plastic bag. Keep this bag out of reach of children to prevent a choking hazard.

Set-up

When selecting an installation location, please note the following:

- Avoid direct sunlight.
- Avoid excessive heat, cold, humidity, and dust.
- Ensure sufficient ventilation. Do not place the device in a closed rack.
- Slots and openings on the device serve as a means of ventilation. They must not be covered.
- 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.

Connecting

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

Connectors

Do not touch the pins in the connectors on the back side of the device with your fingers. Static discharges may damage the electronics inside the device.

Connection cables

Burmester produces symmetric and asymmetric connection cables, as well as speaker cables in all lengths to transmit the best possible sound quality. The impedance of our cables is adapted for all BURMESTER components.

For optimal power supply, we recommend our triple shielded BURMESTER POWER power cord.

Power on

- ▶ Switch off all devices in the HiFi system before installation. Do not switch the devices back on until you are certain that all devices have been connected completely and correctly.
- ▶ Do not try to operate the device if it has obviously been damaged or penetrated by water.

Operation

Heat development

- ▶ Be careful when handling the device. The housing can grow warm during operation.

Restart

If the device does not respond to operation, the normal operating status can be restored using the power switch on the back side of the device:

- ▶ To restart, switch the power switch off and then back on.

Lightning

Overvoltage - caused by lightning - may lead to errors. Only disconnecting the power plug from the outlet can protect the system from lightning. Turning the system off with the power switch is not enough, as overvoltages "jump" across contacts even if they are not closed.

- ▶ When a storm is approaching, disconnect the power plug from the outlet.

Disconnecting the unit properly from mains

- ▶ For a full separation of the 101 from mains use the readily accessible mains plug.

Maintenance and care



This symbol on or inside your device serves to warn against dangerous electrical voltage.

Opening the device results in the danger of coming into contact with dangerous voltages. Thus, the device may only be opened by qualified professionals. The power plug must be disconnected before opening the device.

Fuses

The fuses are located inside the device and should only be replaced by a qualified professional.

UNPACKING AND SETTING UP THE DEVICE

CAUTION

Heavy device

The device is very heavy and may cause injury if it falls.

- ▶ The device should only be unpacked and set up by individuals who are experienced in handling heavy loads.
- ▶ Allow a second person to help you during unpacking and set-up if need be.
- ▶ Pay attention to any possible sharp edges.

Unpacking

- ▶ Please make sure that the items supplied are all present and complete.

Should parts be missing or should you detect damage while unpacking the device, please do not connect it. Instead, contact your authorized specialist dealer.

Supplied items

The items supplied include:

- 1 package with the 101 integrated amplifier
- 1 power cord
- 4 jack to RCA input adapters, mono
- 1 067 remote control
- 1 set of operating instructions
- 1 set of warranty documents

Packaging

We recommend saving the original packaging for transportation, such as relocation, etc.

Set-up

An operating temperature that is too low or too high may lead to errors in the device. For this reason, after unpacking the device, leave it standing for some time before connecting it and turning it on.

Carefully remove the device from the transportation packaging and place it in a suitable location. When selecting a location for set-up, ensure sufficient ventilation and avoid direct sunlight, dust, and humidity to protect the device from overheating.

Make sure that the set-up location is stable enough to support the weight of the device.

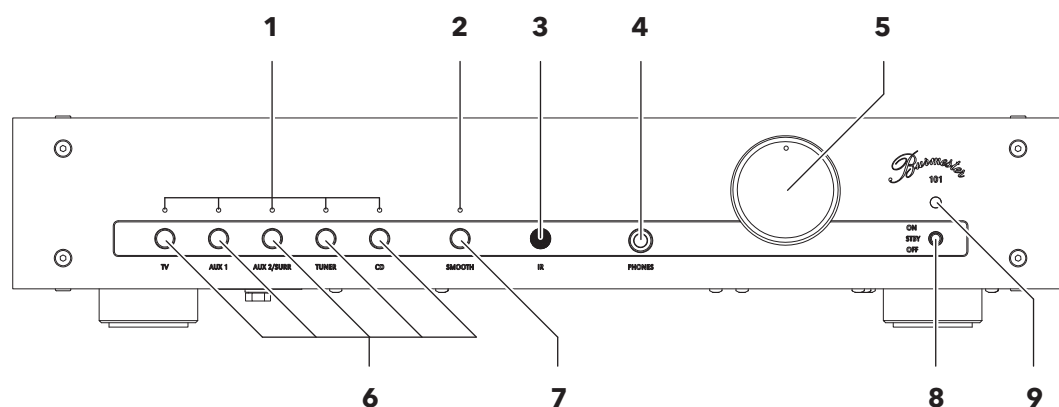
Slots and openings on the device serve as a means of ventilation. They must not be covered by magazines, tablecloths, curtains, etc.

When operating the device in extremely warm environments, additional ventilation must also be ensured. Avoid operating the device in extremely humid environments, for example in a bathroom.

The IR receiver receives the signals from the remote control and should not be covered by objects.

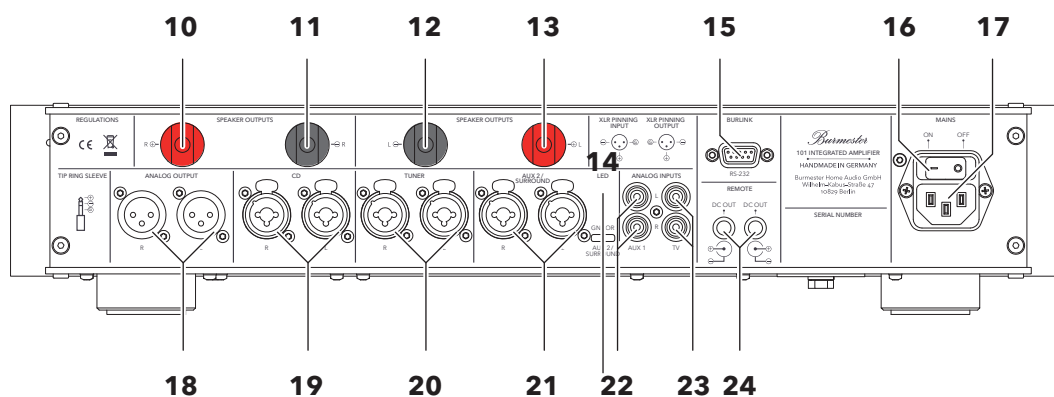
THE DEVICE AT A GLANCE

Front side



- | | |
|----------|--|
| 1 | Input selection LEDs
The lit LED indicates the signal source selected with the input selection button (6). |
| 2 | LED (SMOOTH) <ul style="list-style-type: none"> • LED lit: Smooth function active. • LED not lit: Smooth function inactive. |
| 3 | IR receiver
Receiver for remote control commands. |
| 4 | Headphone output
Output socket for connecting headphones. |
| 5 | Volume control
Turning the control changes the volume. |
| 6 | Input selection button
The input selection button is used to select the signal source: TV set (TV), external devices (AUX 1/AUX 2), tuner (TUNER), or CD player (CD). |
| 7 | SMOOTH button
Pressing the button turns the Smooth function on or off. |
| 8 | Power on/off switch
This switch is used to switch the device on, off, or into standby mode when the device is plugged in and the power switch (15) is set to ON. <ul style="list-style-type: none"> • OFF: The device is switched off and cannot be switched on using the remote control. The LED (9) is not lit. • STBY: The device is in standby mode and can be switched on using the remote control. The LED (9) lights up in orange. • ON: Briefly pushing the switch upward switches on the device. The switch returns to the center position. The LED (9) lights up in red. Pushing the switch upward again returns the device to standby mode. |
| 9 | LED (operation/standby) <ul style="list-style-type: none"> • LED lights up in orange: the device is in standby mode. • LED lights up in red: the device is in operation. • LED flashes in red: an error has occurred (see page 22). |

Back side



10	Right speaker output, positive Right channel, positive connection (+)
11	Right speaker output, negative Right channel, negative connection (-)
12	Left speaker output, negative Left channel, negative connection (-)
13	Left speaker output, positive Left channel, positive connection (+)
14	Surround Thruput Switch
15	BURLINK interface
16	Power switch
17	Mains socket
18	Preamplifier output (pre-out), symmetric The 101 integrated amplifier has a symmetrical preamp output (ANALOG OUTPUT) for connecting output amplifiers or self-powered speakers. The signal of the selected input CD, TUNER, AUX 1, AUX 2, or TV is present at this output.
19	CD input, symmetric
20	TUNER input, symmetric
21	AUX 2 input, symmetric
22	AUX 1 input, asymmetric
23	TV input, asymmetric
24	Remote control outputs



This symbol on your device indicates that you can find important information in the operating instructions.



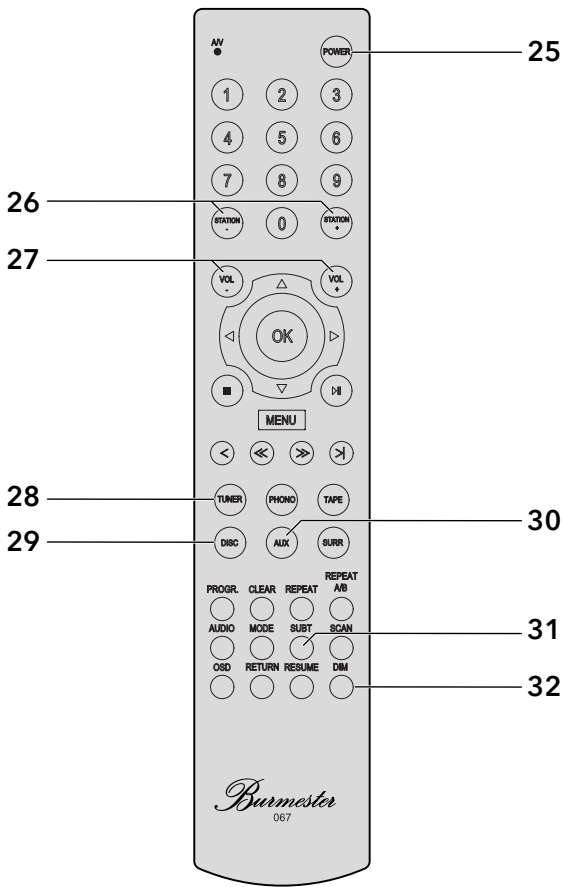
This symbol combination on your device warns of the danger of electric shock when opening the device, without pulling the power plug.

The remote control

The device is delivered with the 067 remote control as standard.

The remote control allows you to quickly access some frequently used functions, such as device power on/off, volume control, as well as signal source selection.

To enable use of the remote control, the device must be switched on or in standby mode.



25	Switch the device on or into standby mode.
26	The STATION+ and STATION- buttons can be used to switch through the inputs.
27	The VOL+ and VOL- buttons can be used to adjust the volume: <ul style="list-style-type: none">Pressing VOL+ increases the volume.Pressing VOL- reduces the volume.
28	TUNER corresponds to the TUNER input selection button (6).
29	DISC corresponds to the CD input selection button (6).
30	Pressing the AUX button selects AUX 1 as the input source. Pressing the AUX button repeatedly allows you to switch between the inputs AUX 1, AUX 2, and TV.
31	SUBT corresponds to the Smooth button (7).
32	Pressing DIM turns all the LEDs (except the POWER LED) on or off.

All additional buttons on the remote control are irrelevant for the 101 integrated amplifier.

CONNECTING THE DEVICE

The connectors are located on the back side of the device.

Before connecting the device, pay attention to the signal source operating instructions.

All devices in your music system should be switched off while connecting.

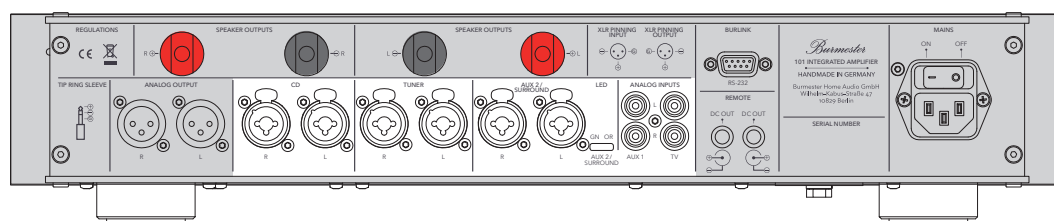
Connecting the inputs

Input connectors (18) to (22) are joined with the corresponding signal source outputs.

For connecting analog, linear high-level signal devices such as CD players, tuners, etc., to the integrated amplifier, there are three symmetric inputs with XLR connectors labeled CD (18), TUNER (19), and AUX 2, as well as two asymmetric inputs with cinch connectors (RCA) labeled AUX 1 (21) and TV (22).

Inputs (17) to (20) are symmetric (XLR, 3-pin) and have the following pin assignment: PIN1=GND, PIN2=NEG, PIN3=POS. The inputs should be controlled symmetrically for acoustic reasons.

Should the signaling device only be equipped with asymmetric outputs, use the supplied plug adapters or specially converted cables. When in doubt, please contact your specialist dealer.



Connecting the signal inputs

✓ The device is switched off.

- ▶ Depending on the device to be integrated, connect the right output of your signal source to input R of connector CD (18), TUNER (19), AUX 2 (20), AUX 1 (21), or TV (22).
- ▶ Depending on the device to be integrated, connect the left output of your signal source to input L of connector CD (18), TUNER (19), AUX 2 (20), AUX 1 (21), or TV (22).

NOTE: Use the jack to RCA adapter plugs to connect unbalanced cables to the balanced inputs (18), (19) and (20). However, the balanced signal routing should be given preference both for sound and technical reasons whenever possible.

Connecting the outputs

Important information regarding connection

Speaker outputs (10), (11), (12), (13)



WARNING

Dangerous voltage on the connection terminals

The connection terminals on the integrated amplifier may carry dangerous voltages during operation.

- ▶ Do not touch the connection terminals when the device is in operation.

A connection can be made using either cable lugs or 4-mm banana plugs. For acoustic reasons, Burmester recommends equipping the ends of the speaker cables with cable lugs. Connecting cables to these terminals requires the use of ready-to-fit wires or must be performed by a qualified professional.

Short circuit of the speaker outputs

Connecting the positive and negative poles of the speaker terminals when the integrated amplifier is on causes a short circuit. To protect the device from damage, in this case the speaker outputs are switched off automatically and the device enters standby mode. The LED (operation/standby) flashes in red.

Resetting the protective function after a short circuit:

1. Reduce the volume at the signal source.
2. Check the integrated amplifier output connections to the speakers.
3. Switch the integrated amplifier back on using the power on/off switch (8) or the remote control.

If the error persists, please contact your specialist dealer.

Even though the circuit breaker prevents damage to the integrated amplifier, you should observe the following to avoid a short circuit:

- ▶ Switch the integrated amplifier off before connecting the speaker cables.
- ▶ Start by connecting the speaker cables to the speakers, then to the integrated amplifier.
- ▶ Never connect the positive and negative poles of the speaker terminals when the device is on.

Correct polarity

- ▶ When connecting the speakers, pay attention to the correct polarity of the connections. It is important to establish all connections in phase:
 - Integrated amplifier positive output (POS) = speaker positive output
 - Integrated amplifier negative output (NEG) = speaker negative output

Connecting the channels out of phase causes poor bass and diffuse playback. When in doubt, please ask your specialist dealer.

Headphone output (4)

⚠ CAUTION

High-intensity sound

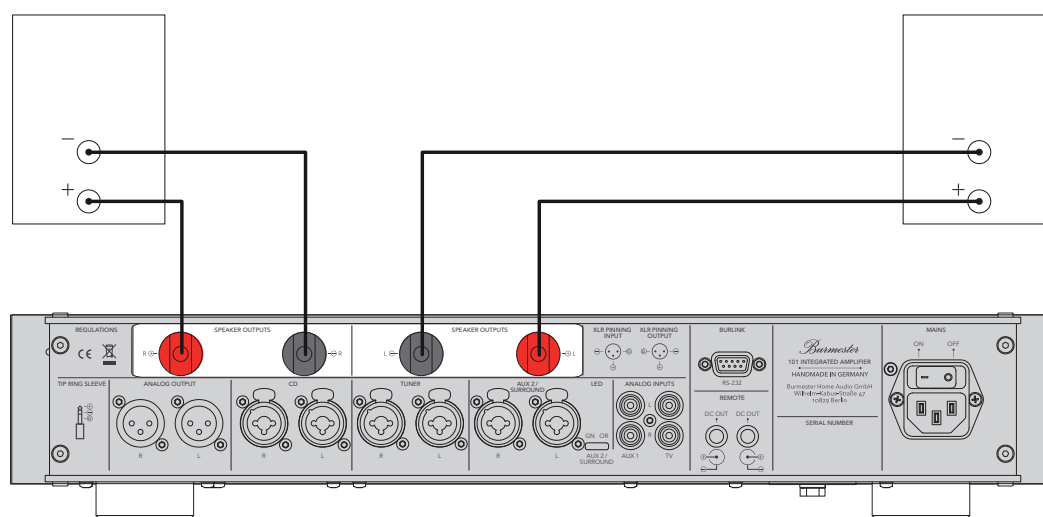
Loud output signals may damage your hearing.

- ▶ Please note that the volume is controlled by the connected device when the **Surround Thruput** is activated..
- ▶ Do not increase the volume before putting on the headphones; increase to the desired volume once you have put them on.

NOTE:

Do not insert the headphone plug into the headphone socket until after you have switched the device on with the power on/off switch, the remote control, or one of the BURLINK commands, and unplug the headphone jack from the socket before switching off the device.

Connecting the speaker outputs

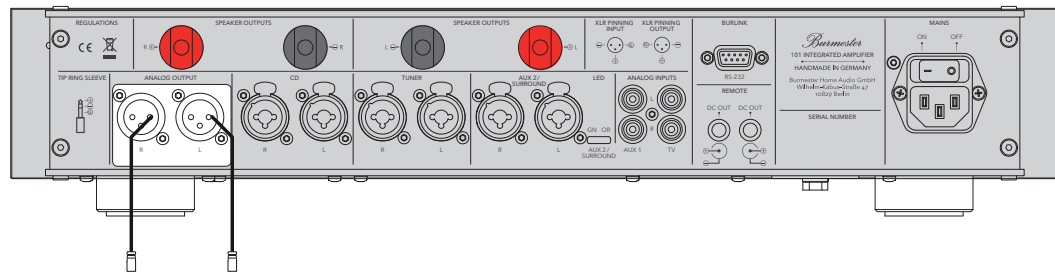


- ✓ You have read the information on the speaker outputs on page 14.
The device is switched off.

The left output on the integrated amplifier is connected to the left speaker and the right output on the integrated amplifier is connected to the right speaker.

- ▶ Connect a speaker cable to the right speaker and then connect the cable to the RIGHT POS (10) and RIGHT NEG (11) connectors. Pay attention to the correct polarity. With the 101, the positive connection is marked red and the negative connection is marked black.
- ▶ Connect a speaker cable to the left speaker and then connect the cable to the LEFT POS (13) and LEFT NEG (12) connectors. Pay attention to the correct polarity. With the 101, the positive connection is marked red and the negative connection is marked black.

Connecting the preamplifier output



- ✓ The device is switched off.

The 101 integrated amplifier has a symmetrical preamp output ANALOG OUTPUT (17) for connecting output amplifiers or self-powered speakers. The signal of the selected input CD, TUNER, AUX 2, AUX 1, or TV is present at this output.

- ▶ Connect the right output on the 101 integrated amplifier with the right input on the output amplifier or self-powered speaker.
- ▶ Connect the left output on the 101 integrated amplifier with the left input on the output amplifier or self-powered speaker.

Connecting headphones

- ✓ You have read the information on the headphone output on page 16.
The 101 integrated amplifier is turned on and the volume is turned down.
- ▶ Insert the headphone jack with an impedance over 16 Ω into the headphone output (4) on the front side of the device.

NOTE:

When inserting the headphone jack, the speaker outputs are automatically switched off and the volume is reduced.
If the jack is unplugged, the speaker outputs are switched back on and the volume is again reduced.

BURLINK interface

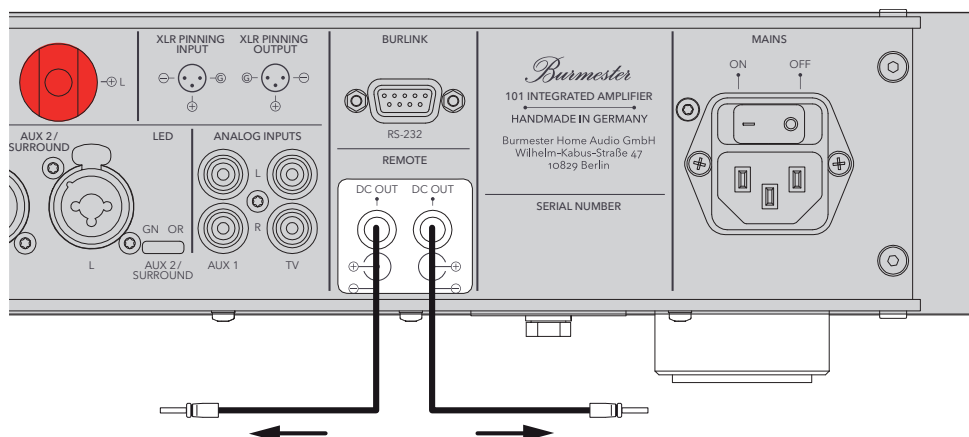
Control systems such as PC, CRESTRON, AMEX, etc. can be connected to the BURmester-LINK connector (14). This enables convenient control of your entire system, e.g. via a touch panel which you can program individually.
The commands for controlling the 101 integrated amplifier can be found in the section "BURLINK (BURmester LINK Connection)" on page 23.

Connecting the remote output

The 101 integrated amplifier is equipped with two remote control connections for the remote control of up to 2 components:

By connecting the REMOTE DC OUT (23) socket to the corresponding REMOTE DC IN socket on a BURMESTER device, the device can be switched on or off remotely when switching the 101 on and off. In this operating mode, the 101 assumes the master function.

To connect the remote control connections to the components, you need remote cables optionally available from your specialist dealer.



Switching another component on or off remotely via the integrated amplifier

- ▶ Connect one of the REMOTE DC OUT (23) sockets on the 101 integrated amplifier to the component's REMOTE DC IN socket using a remote cable.

Connecting the power cord



⚠ WARNING

Missing or defective protective earth contact

A missing or incorrectly connected protective earth contact poses a danger to life.

- ▶ Before connecting the device, ensure that the protective earth contact in your outlet is active.
- ▶ Should you have any doubts, contact a qualified professional.

NOTE:

Before connecting the device, check whether the power supply indicated on the back side of the device below the mains socket (16) matches that of the power supply available at the set-up location. If you are unsure of which power supply is available at the set-up location, please consult your responsible power supply company.

Connecting the power cord:

1. Make sure that the power switch (15) is set to **OFF**.
2. Connect the power cord to the mains socket (16). Then, insert the power plug into the outlet.

OPERATING THE DEVICE

- ▶ Before switching the integrated amplifier on, check all cable connections for correct polarity (POS, NEG). After initial or re-wiring, we recommend slowly increasing the volume until you are certain that everything is connected correctly.

Power on/off

The device is equipped with two control elements for power on/off:

- The power switch (15) is located on the back side of the device. Actuating the power switch connects/disconnects the standby transformer to/from the power supply.
 - The power on/off switch (8) is located on the front side of the device. Actuating the power on/off switch switches the device between standby mode, operating mode, and OFF.
- ▶ Before switching the integrated amplifier on, turn down the volume; do not increase the volume until after you have switched the device on.

Switching the device to standby mode when it is off:

1. Set the mains switch on the back side of the device to **ON**.
 ↳ The standby transformer is connected to the power supply.
2. Set the power on/off switch (8) on the front side into the center position, **STBY**.
 ↳ The device switches into standby mode and the operation LED (9) lights up in orange.

Switching the device on from standby mode:

- ▶ Briefly push the power on/off switch (8) upward into the **ON** position or press the **POWER** (24) button on the remote control.
 ↳ The device switches into standby mode and the operation LED (9) lights up in red.
 After switching the device on, the monitoring electronics take a few seconds to perform a complete check of the integrated amplifier. If no errors are present, the speaker outputs are then enabled.

NOTE: The **pre-out only** mode is an exception. In this mode, the 101 is switched on, but the power amp is not. For more information, please see „Pre-out only mode“ on page 21.

Switching the device from operation into standby mode:

- ▶ Briefly push the power on/off switch (8) upward into the **ON** position or press the **POWER** (24) button on the remote control.
 ↳ The device switches into standby mode and the operation LED (9) lights up in orange.

The power switch (15) can remain in the **ON** position. Thus, you can conveniently control the device using the power on/off switch (8), or the remote control. As only the standby transformer is active during standby mode, minimum electricity is consumed.

Switching off the device with the power on/off switch:

- ▶ Move the power on/off switch (8) downward into the **OFF** position.
 ↳ The device is switched off and cannot be switched back on with the remote control. The operation LED (9) goes out.

Switching the device off completely:

During longer periods of absence or if the device is not in use and thus should not consume any electricity, you can turn it off completely using the mains switch. Once it is off, you can no longer switch it back on with the remote control.

1. Turn off the device with the power on/off switch (8).
2. Set the mains switch (15) to OFF.

NOTE:

Always turn off the device with the power on/off switch before setting the mains switch to OFF.

ATTENTION**Overvoltages caused by lightning**

Overvoltages in the power supply - caused by lightning - can damage or destroy the device.

- ▶ When a storm is approaching, disconnect the power plug from the outlet. Turning the system off with the power switch is not enough, as overvoltages "jump" across contacts even if they are not closed.

Selecting a signal source

The input source can be selected using the input selection buttons (1) or the remote control.

- ▶ Press the desired input selection button to choose the signal source.
 - ↳ The selected input is indicated by means of an LED (6).

Adjusting the volume**CAUTION****High-intensity sound**

Loud output signals can cause permanent damage to your hearing.

- ▶ Set the volume to a low level using the volume control (5) and adjust it slowly to the desired volume.
- ▶ Avoid listening to loud music for prolonged periods of time.

The volume can be adjusted using the volume control (5) or the remote control (VOL+/VOL-).

- ▶ Turn the volume control clockwise to increase the volume.
- ▶ Turn the volume control counterclockwise to reduce the volume.

Smooth function

The switchable "Smooth" function ensures a rounded, detailed sound, even at low volumes.

- ▶ Press the SMOOTH button (7) to enable the Smooth function.
 - ↪ The Smooth function is activated and the LED (2) is lit.
- ▶ Press the SMOOTH button (7) again to turn off the Smooth function.
 - ↪ The Smooth function is deactivated and the LED (2) goes out.

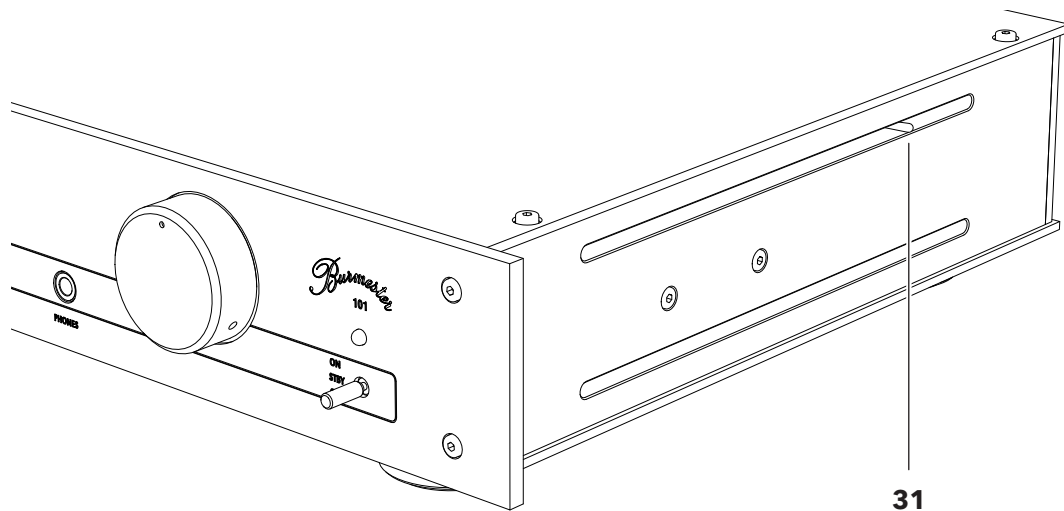
NOTE: The SUBT button (30) on the remote control can also be used to switch the Smooth function on and off.

Subsonic filter (optional)

To get a higher volume level from small loudspeakers, we recommend the use of our specially tuned subsonic filter. When activated the frequencies below approx. 45 Hz are attenuated, resulting in an increased loudspeaker power handling. The subsonic filter can be activated or deactivated while the 101 is running.

To turn the subsonic filter on and off:

- ▶ Use the little toggle switch (31) on the right side wall in the upper venting slot.
 - ↪ Moving the toggle switch towards the rear panel means that the subsonic filter is turned on.
 - ↪ Moving the toggle switch towards the front panel means that the subsonic filter is turned off.



NOTE: The subsonic filter is available as an option and not included in the standard delivery contents. If you have any questions, please contact your authorised specialist dealer. The subsonic filter must be installed or changed only by an expert technician.

Pre-out only mode

To operate the preamp on an external power amp, the **pre-out only** mode can be used to switch off the internal power amp. This improves the technical data of the integrated amplifier and saves energy.

CAUTION

High-intensity sound

Loud output signals may cause a permanent damage to both your hearing and your device.

- ▶ When switching the Pre-out only mode please make sure, that the Surround Thruput Mode is deactivated under all circumstances.

Switching on pre-out only mode:

- ✓ The device is switched off.
- ▶ Press and hold the buttons **TUNER + CD + SMOOTH** on the front of the device and turn it on with the power on/off switch (8).
 - ↳ The five input selection LEDs light up for a duration of two seconds to indicate that the pre-out only mode is active.

Switching off pre-out only mode:

- ✓ The device is switched off.
- ▶ Press and hold the buttons **TUNER + CD + SMOOTH** on the front of the device and turn it on with the power on/off switch (8).
 - ↳ The five input selection LEDs flash for a duration of two seconds to indicate that the pre-out only mode is inactive.

Surround Thruput function

To integrate the connected speakers into your surround system, the signal can be slaved straight through to AUX 2 by using the Surround Thruput function. The playback volume control is now only effected by the connected source.

CAUTION

High-intensity sound

Loud output signals may cause a permanent damage to both your hearing and your device.

- ▶ Only connect devices with a proprietary volume control to this input when the Surround Thruput function is active. Since the signals are fed to the MAIN output at full level in this mode, this may cause considerable damage to both your ears and your system.
- ▶ Please note that this also applies to the **headphone output**.
- ▶ When changing between modes, turn down the volume level control (5).
- ▶ Turn off the Source connected to **AUX 2 / SURR**.

To activate the Surround Thruput function:

- ▶ Select AUX 2 / SURR.
- ✓ The LED (1) above the input selector key lights green.
- ▶ Turn the volume level control (5) fully counterclockwise.
- ▶ Turn off the Source connected to **AUX 2 / SURR**.
- ▶ Move the slide switch (14) on the rear to the right.
 - ↳ The LED (1) above the input selector key lights orange.
 - ↳ The function is now enabled.

To disable the Surround Thruput function:

- ▶ Select AUX 2 / SURR.
- ✓ The LED (1) above the input selector key lights orange.
- ▶ Turn the volume level control (5) fully counterclockwise.
- ▶ Turn off the Source connected to **AUX 2 / SURR**.
- ▶ Move the slide switch (14) on the rear to the left.
 - ✚ The LED (1) above the input selector key lights green.
 - ✚ The function is now disabled.

Remote output

If a REMOTE DC OUT connector on the integrated amplifier is connected to the remote input on a BURMESTER component, this component is switched on and off together with the integrated amplifier.

Protective functions

The integrated amplifier is equipped with extensive protection circuits that protect the amplifier and the connected speakers from being damaged in the case of an error.

If an error, such as overheating, DC offset, or overcurrent occurs, the device switches the corresponding speaker outputs off and enters standby mode.

- ✚ The LED (operation/standby) flashes in red.

Eliminating the error:

1. Reduce the volume at the signal source.
2. Check the integrated amplifier output connections to the speakers.
3. Allow the integrated amplifier to cool down and then switch it back on using the power on/off switch (8) or the remote control.
 - ✚ If the error persists, please contact your specialist dealer.

BURLINK (BURMESTER LINK CONNECTION)

Connectors

The BURLINK interface can be operated via the 9-pin D-SUB socket (RS-232) (14).

RS-232 configuration:

- 9600 baud
- 8 bits
- Parity: none
- 1 stop bit
- No hardware handshake

Commands

The commands for operating the 101 integrated amplifier are listed below. They must be sent in upper-case letters and each command must be concluded with a carriage return (\r).

Command	Meaning
POWON\r	Switches the device on
POWOFF\r	Switches the device into standby mode
INP+\r	Switches through the inputs successively
INP-\r	Switches through the inputs successively
INP1\r	Activates the input TV
INP2\r	Activates the input AUX 1
INP3\r	Activates the input AUX 2 / SURR
INP4\r	Activates the input TUNER
INP5\r	Activates the input CD
SMOOTH_OFF\r	Inactivates the Smooth function
SMOOTH_ON\r	Activates the Smooth function
VOLUP\r	Increases the volume by one level
VOLDN\r	Reduces the volume by one level
DIM0\r	Turns on the display
DIM3\r	Turns off the display
DEFAULT\r	Delivery state
PREONLY_OFF\r	Switches off the pre-out only mode
PREONLY_ON\r	Switches on the pre-out only mode
SNR\r	Indicates the series number of the device
VERSION\r	Indicates the software version
TYPE\r	Indicates the device type

MAINTENANCE, REPAIR, AND CARE

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.



DANGER

Lethal electrical voltage

When the power plug is connected and the mains switch is on, a lethal electrical voltage is present after opening the fuse holder inside the fuse compartment.

- ▶ Contact your specialist dealer if your device no longer functions properly.
- ▶ The fuses may only be replaced by a qualified professional.

Cleaning the device

CAUTION

Damage to the device's electrics or the surface

Liquids can destroy the device's electronics.

Chemical agents can damage the housing surface.

- ▶ Never clean the device with a wet cloth.
- ▶ Make sure that no liquid can enter the device.
- ▶ Do not use chemical agents to clean the device.

DISPOSAL



Legislation prohibits the disposal of this device and its accessories by means of normal household waste (residual waste, recycling, organic waste, paper, glass). The device must be handed over to a communal collection point or voluntary take-back system.

BATTERY HAZARD

The remote control contains batteries. Do not expose them to excessive heat.

Improper use may result in overheating, fire, explosion, smoke and gas.

Have the batteries replaced by your dealer.

Swallowing the batteries can be fatal! Always keep children away from small parts that can be swallowed!

WARRANTY

We provide a warranty of 2 years for this device.

If you return the warranty certificate papers filled out within 4 weeks after purchase, you will receive a warranty extension to three years. This requires proper connection without overload and mechanical integrity.

The warranty is void if the device has been tampered with or parts of the housing, connections, or terminals have been disassembled.

TECHNICAL DATA

Power amp acoustic performance	Stereo: 2 x 120 W (at 4 Ω)
Input sensitivity: 1% THD + N	550 mV
Performance frequency response	5 Hz – 60 kHz (-3 dB)
THD + N	0.015 %
Damping factor	> 250
Signal-to-noise ratio (power amp)	> 92 dB
Input impedance XLR / RCA	16.4 k Ω / 8.2 k Ω
Inputs	3 balanced XLR/jack (combo), 2 unbalanced RCA
Amplification	Variable
Preamp output	Balanced XLR
Headphone output	6.3 mm, jack
Remote control	Yes
Dimensions (W x H x D)	93 mm x 482 mm x 350 mm (The length of the speaker terminals on the back side and the connectors to be attached are not included in the dimensions).
Weight	Approx. 12 kg
Power consumption	ON: max. 480 W STBY: < 1 W

Subject to technical changes

Notes

Burmester Home Audio GmbH
Wilhelm-Kabus Straße 47 · 10829 Berlin, Germany
www.burmester.de

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