



LINDEMANN.
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830

Stereo Control Amplifier

Owner's Manual

ENGLISH

Important Safety Precautions

- Use only an approved power cable and plug or distribution board to connect your amplifier to a power outlet. Do not use an extension cable.
- Never touch the mains plug if your hands are wet.
- Do not attempt to open the equipment. Refer servicing and repair to qualified service personnel. Touching live components inside the case can result in a fatal electrical shock!
- Read the Owner's Manual and Safety Precautions before operating the equipment.
- Keep this Manual in a safe place so that you can refer to it later.
- Please heed all warnings on the equipment itself and in the Owner's Manual.
- Please follow the instructions contained in your Owner's manual and never use this equipment for any purpose other than is explained in this Owner's Manual.
- Only connect this equipment to a power source of the type described in the Owner's Manual and specified for this equipment.
- Make sure that there is adequate ventilation around the equipment to allow proper cooling. Keep the equipment away from direct sunlight. Avoid installing the unit close to sources of heat or in spaces such as bookshelves or cupboards where heat radiation may be obstructed. Avoid excessive temperatures in the room, as these could ultimately damage sensitive components and reduce the service life of your player.
- Never use the unit in damp rooms, at temperatures of below 15°C, or in the open air. When bringing your amplifier in from the cold, allow it time to achieve room temperature before plugging it in.
- Always switch the unit off before removing or inserting interconnects. Doing this with the amplifier switched on can damage not only the amplifier itself but also equipment connected to it.
- If you ever spill water or any other liquid onto the equipment: Do not touch the case! Remove the plug from the wall outlet and contact your dealer or our service department.
- Never remove the earth connection from the plug. It is there to ensure your safety.
- Arrange the power cable so that no one can accidentally stand on it. Avoid locating it under objects that might put pressure on the cable. Pay particular attention to areas where the cable exits from plugs, AC outlets and from the unit itself.
- Never operate the unit without being present. Disconnect the plug from the wall outlet and remove all aerial connections (including cable aerials) when: you clean the unit, you do not expect to use the unit for long periods of time, during an electrical storm.
- If you have an external antenna or cable antenna connected to your hi-fi system, we recommend that you use a signal isolating filter to avoid interference or damage during thunderstorms.
- Problems: If you lose the sound while the amplifier is operating, or if you notice smoke or burning, switch the unit off immediately and contact your dealer or our service department.
- Only replace defective fuses after you have traced and removed the cause of the fault and then only with a fuse of the same rating. Remove the mains plug before changing fuses. Use an insulated screwdriver to remove and replace the fuse.

Dear Music Lover,

Congratulations on becoming the owner of this new Control Amplifier. The 830 is an exclusive high-end audio component, built in Germany in limited quantities.

Our team designed this control amplifier to the highest standards so that you could enjoy the highest level of audio reproduction. Because we use only the finest components and the most modern production technologies, we confidently guarantee that our products will retain their superb qualities for many years.

Keep the carton and packaging materials that your 830 came in. They will protect your control amplifier should you need to transport it in the future. Transporting the 830 in anything other than the original packaging may result in physical damage not covered by your warranty.

A final note: Please take the time to read this Owner's Manual before using the equipment for the first time. It contains a number of useful tips gathered from our many years of experience, which will help you get the most from your hi-fi system.

Copyright and trade mark acknowledgements

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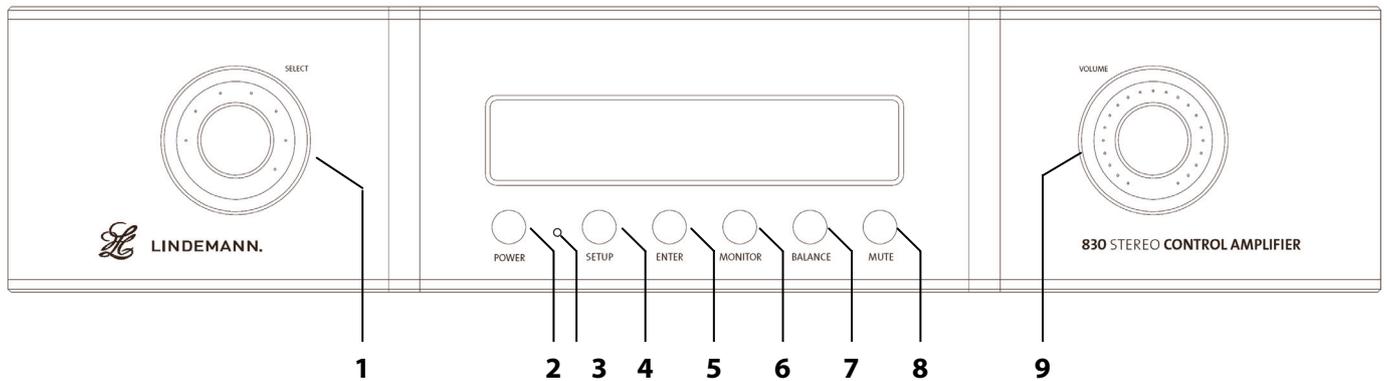
Accessories supplied

- 830 Stereo Control Amplifier
- Power cable, 2 metre
- SYSCOM cable, 1 metre
- Owner's Manual

We recommend that you keep the packaging for use when transporting the 830 in the future.

- Place your control amplifier on a stable support and use a spirit level to make sure it is perfectly level. We recommend the use of a solidly constructed hi-fi rack with adjustable shelves. In our experience, you will achieve good results with racks using MDF shelves. Glass, metal or stone are less suitable for use as hi-fi equipment supports. Avoid placing the control amplifier close to loudspeakers or any other source of vibration. The 830 will respond to these measures by performing at its best. Never stack the 830 directly on other items of equipment. Vibrations from mains transformers and electromagnetic interference from other components can have a negative impact on the control amplifier's sound quality. 800 series products are not suitable for installation in enclosures such as 19" racks or cabinets. The on/off switch at the rear of the unit must always be accessible.
- Take some time to organize your cabling. Try to keep power cables away from interconnect and speaker cables. Shielded power cords can significantly reduce the transfer of interference to your signal cables.
- Make sure that the polarity of the mains wiring is the same for all system components. You can achieve this by connecting all system components through a **single** high quality mains distribution board. The lower the contact resistance between the power outlets of your signal source and your control amplifier, the less the audio signal will be polluted and the better your hi-fi system will sound. Connecting your components with the correct mains polarity is particularly important. Use a phase tester to determine which pole is live. Mark the appropriate side.
- Cleaning and maintenance: To clean your control amplifier, use a soft cloth. Use a proprietary glass cleaner to remove stubborn dirt from the front panel. Do not use water! Never use solvents or white spirit. These will cause irreparable damage to the surface of the unit.

Front view



1. Input selector
2. Power
3. Standby LED
4. Setup
5. Enter
6. Monitor
7. Balance
8. Mute
9. Volume control

Input selector

Turn this knob to select the source you require. The operation of the input selector is described in more detail under **Basic preamplifier controls - Input selector**.

The input selector is the equivalent of the *LEFT/RIGHT* buttons on the remote control.

Power

Press the *POWER* button to turn the unit on and off. The 830 must be connected to the mains, with the power switch on the rear panel in the 'on' position (position I).

Standby LED

When you switch the 830 on using the power switch on the rear panel, the unit initially enters its standby mode and the standby LED illuminates. As soon as the 830 is ready for use, the standby LED extinguishes and the display becomes active. When you switch the preamplifier off, the LED flashes for approximately 5 seconds, during which time you cannot switch the unit back on again.

Setup

This button opens the configuration menu and provides access to the more advanced preamplifier functions. To quit, press the *SETUP* button repeatedly until the standard display reappears.

Enter

Confirms your input. This is the equivalent of the *OK* button on the remote control.

Monitor

This button activates and deactivates the monitor circuit. Configuring the tape monitor loop is described under **Configuration menus - Monitor**.

Balance

Direct adjustment of the balance menu. To quit the balance menu, press the *BALANCE* button a second time. You will find a description of how to adjust the balance in **Configuration menus - Balance**.

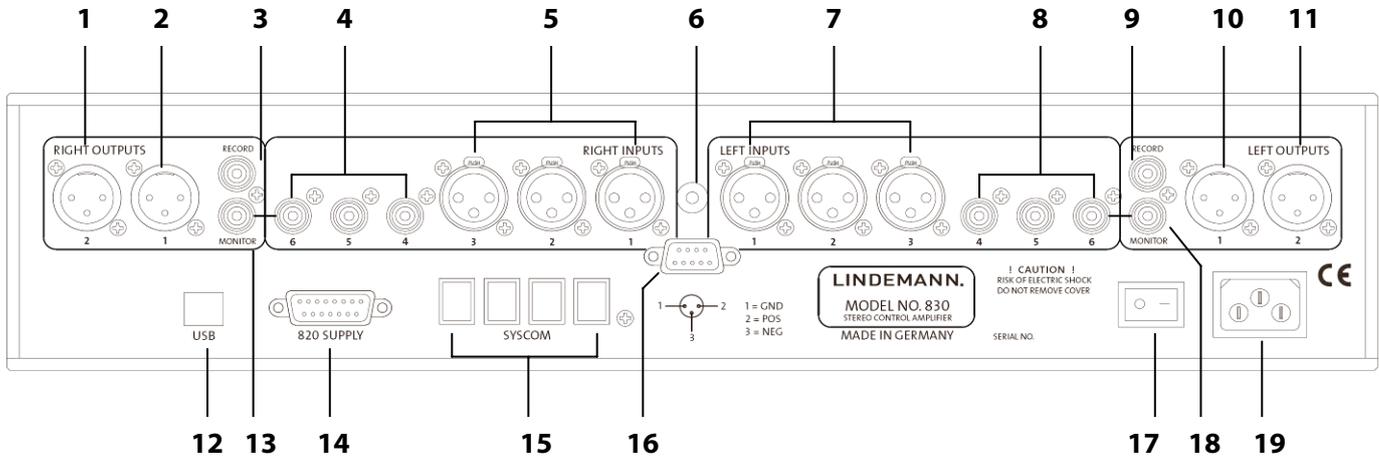
Mute

Direct selection of the mute function. To cancel muting, press the *MUTE* a second time, or alter the volume.

Volume control

The volume control knob adjusts the listening volume. Turning the knob clockwise increases the volume. The volume control is the equivalent of the *UP/DOWN* buttons on the remote control.

Rear view

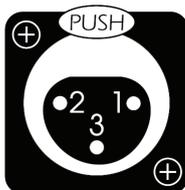


- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Analog output 2 XLR right 2. Analog output 1 XLR right 3. RECORD output right 4. Inputs 4-6 RCA right 5. Inputs 1-3 XLR right 6. Phono ground 7. Inputs 1-3 XLR left 8. Inputs 4-6 RCA left 9. RECORD output left 10. Analog output 1 XLR left | <ol style="list-style-type: none"> 11. Analog output 2 XLR left 12. USB port (for updates only) 13. MONITOR output right 14. 820 Analog Supply (for 820 D/A converter) 15. SYSCOM 16. Phono Analog Supply 17. Power (on/off) switch 18. MONITOR output left 19. AC power socket |
|--|--|

Analog inputs

The 830 is equipped with both balanced (XLR) and unbalanced (RCA phono) analog inputs. Connect the outputs from your source equipment to the appropriate inputs on your preamplifier.

Make sure that the plugs are a snug fit! Poorly fitting RCA plugs can detract considerably from the sound quality of your hi-fi system. Use gold-plated plugs whenever possible, as these have the lowest contact resistance.

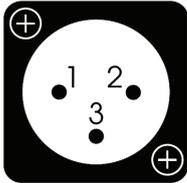


- Pin 1: Ground
- Pin 2: Signal +
- Pin 3: Signal -

Analog outputs

You can activate or deactivate both pairs of balanced outputs independently via the "Output" settings in AMP setup. You can also adjust the level of Output 2 relative to the level of Output 1 in 0.5dB steps by up to ± 10 dB.

This adjustment allows you to fine tune bass frequencies relative to mid/high frequencies in a bi-amped system, or to adjust the level of a subwoofer.



Pin 1: Ground

Pin 2: Signal +

Pin 3: Signal -

Record output

The record output enables you to send the currently active input to a tape recorder or the soundcard of your PC. The record output signal is the same level as the input signal.

Record out must be activated via the configuration menu.

Monitor output

The 830 is equipped with a tape loop for off-tape monitoring during recording or for inserting an external loudspeaker equalizer. Input 6 is the tape monitor input. Please see Configuration menus - Monitor for more details.

Phono ground

Provides an external (technical) ground, which can be used, for example, to connect a turntable's ground lead. The ground is connected internally to the chassis ground and to power cord's ground conductor.

Power connection

The power socket accepts standard IEC power connectors only. We recommend you use a high quality, audiophile power cord. Your dealer will be happy to advise you.

Power switch

The power switch fully disconnects the 830 from the AC mains supply.

SYSCOM

SYSCOM allows you to network several 800 Series components (Link mode). It provides central control of switch-on and the display functions and allows the system preamplifier to access the digital inputs on the 820 CD/SACD player. To use this facility, you must be using the appropriate power amplifiers or CD/SACD player. Please ensure that **all** system components are switched off before changing any SYSCOM connections. Use only the SYSCOM cables supplied. Do not use any other type of cable, as this could damage your equipment! If you need longer SYSCOM cables, please contact Lindemann audiotechnik directly (see back page for contact details) or your dealer. You will find a detailed description of all Link Mode functions in the Link Mode section of this manual.

820 analog supply

This 15-pole SUB D port supplies power to the D/A converter in the 820 SACD player and must not be used for any other purpose. Make sure both components are switched off before attempting to connect this port to the 820 SACD player. The power supply built into the 830 replaces the 800 Analog Filter Supply normally used with the 820.

Phono analog supply

The 830 is equipped with a power supply for the optional fully balanced phono preamplifier. Only connect the phono preamplifier to the 830 when the 830 is switched off. The phono preamplifier should be connected to Input 1.

Remote control

1. Power button

Switches the unit on and off from standby.

2. Menu selection

Selects the preamplifier's configuration menu.

3. Mute

Reduces the level of the outputs to zero.

4. Navigation cluster

Normal operation:

UP/DOWN: Volume adjustment +/-

LEFT/RIGHT: Input selection

OK: Confirms your selection

Menu selection:

UP/DOWN/LEFT/RIGHT: Selects menu items

OK: Confirms your selection

5. Info

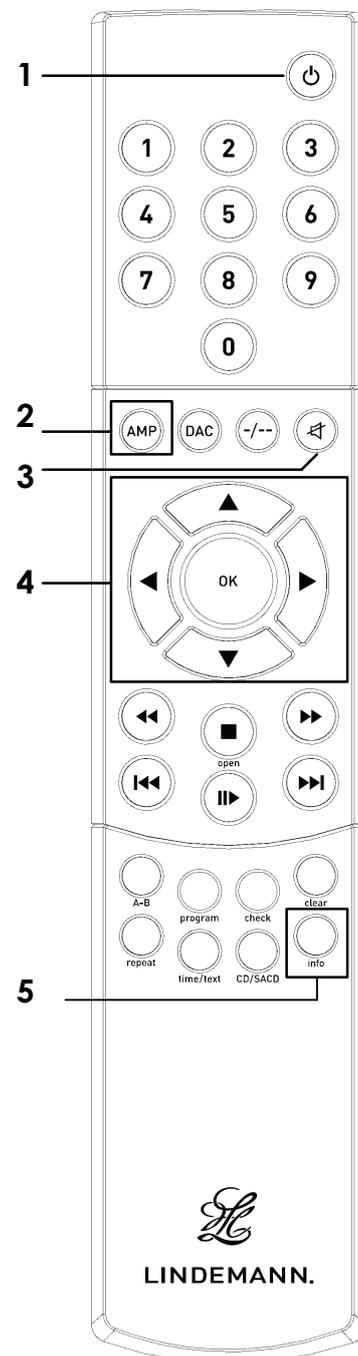
Press the INFO button to see all the important basic settings in the alpha-numeric display.

When using the remote control, always point it directly at the Control Amplifier. Please remember that direct sunlight or artificial light (particularly fluorescent lighting) can affect the signal.

If you notice a decrease in the range of the remote control, this is normally a sign that the batteries are weak. Always replace batteries with new ones of the same type.

To change the batteries, open the battery compartment cover on the rear of the remote handset. Take out the discharged batteries and replace them with new ones of the same type (Alkaline AAA), making sure that they are positioned as shown on the drawing in the battery compartment.

Please dispose of your used batteries carefully. Stores that sell batteries should provide containers for the collection of used batteries. You can also dispose of them at your nearest recycling centre.



Using the 830 for the first time

- Turn the power switch (on the rear panel) to its off position.
- Connect the control amplifier to a wall outlet using a high quality power cord if possible. The cable supplied is for test purposes only. We strongly recommend that you use a high quality power cable. Make sure that the voltage shown on the model identification plate matches the voltage of your mains supply. If you intend to swap interconnects at any time in the future, always remember to switch the control amplifier off first. Failure to do so could damage the unit.
- For safety reasons, the remote control is supplied without the batteries installed. Please insert the batteries supplied, observing the polarity marks shown on the battery compartment.
- We have provided controls on the front panel to allow you to access the important control functions of the 830. The remote control allows you to access these and all the other functions of the unit.
- Switch on the unit using the power switch on the rear panel. Your control amplifier is now in standby mode and ready for use. This is indicated by the blue Standby LED.

Basic preamplifier controls

Switching on and off

To switch the unit on, press the *POWER* button on the front panel or on the remote control.

To switch the control amplifier off, press the *POWER* button a second time. This will switch the unit into standby mode. You will see the message: *Power Down...* in the display.

After a short interval this will disappear and the blue standby LED will flash for about 5 seconds. It is not possible to switch the component on again during this time.

Use the *POWER* button to switch the unit on and off in everyday use. If the control amplifier is connected to a Lindemann power amplifier and/or CD player, the power amplifier and/or CD player will be powered up and down at the same time as the preamplifier.

Input select

Remote control:

Use the *LEFT/RIGHT*- button to select the signal source.

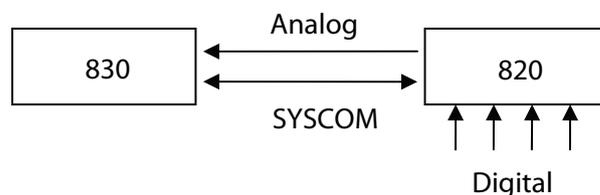
Front panel:

Turn the input selector knob to select the signal source.

If you have deactivated certain inputs using the *Input Enable* menu option, these will not be shown and cannot be selected.

If the tape monitor loop is active, you cannot select Input 6, as this is used as the monitor input.

If you have connected an 820 CD/SACD player via SYSCOM, you can now access the 820's four digital inputs from the 830 (inputs 7-10). To use these digital inputs, you must connect the balanced analog output on the 820 to Input 2 on the 830. When you select a digital input on the 830, the blue LED for Input 2 (analog input) illuminates **together with** the yellow LED to indicate that a digital input is active. The name of the digital input on the 820 is retrieved and displayed by the 830.



Adjusting the volume

To adjust the volume, use the *UP* or *DOWN* buttons on the remote control, or the volume control knob on the front panel. When adjusting the volume with the remote, the speed of adjustment depends on how long you keep your finger on the *UP/DOWN* buttons. The volume control provides an adjustment range of 60 dB in 0.5dB steps. The actual volume setting will appear in the display for several seconds in figures or dBs (depending on the settings). To quit volume adjustment, press the *OK* button.

When *Min* appears in the display, you have reached the lower volume adjustment limit. When *Max* appears in the display, you have reached the upper volume limit.

You can reduce the maximum volume setting by up to 20dB using the *Max. Volume* menu. This menu allows you to adjust or limit the volume adjustment range to suit your normal listening levels. If you limit the maximum volume to -10dB, the entire adjustment range is shelved down 10dB. In other words, the signal is 10dB quieter. However, the available volume adjustment range will still be 60dB irrespective of the setting!

Balance

You will find a description of how to adjust the balance in **Configuration menus – Balance**.

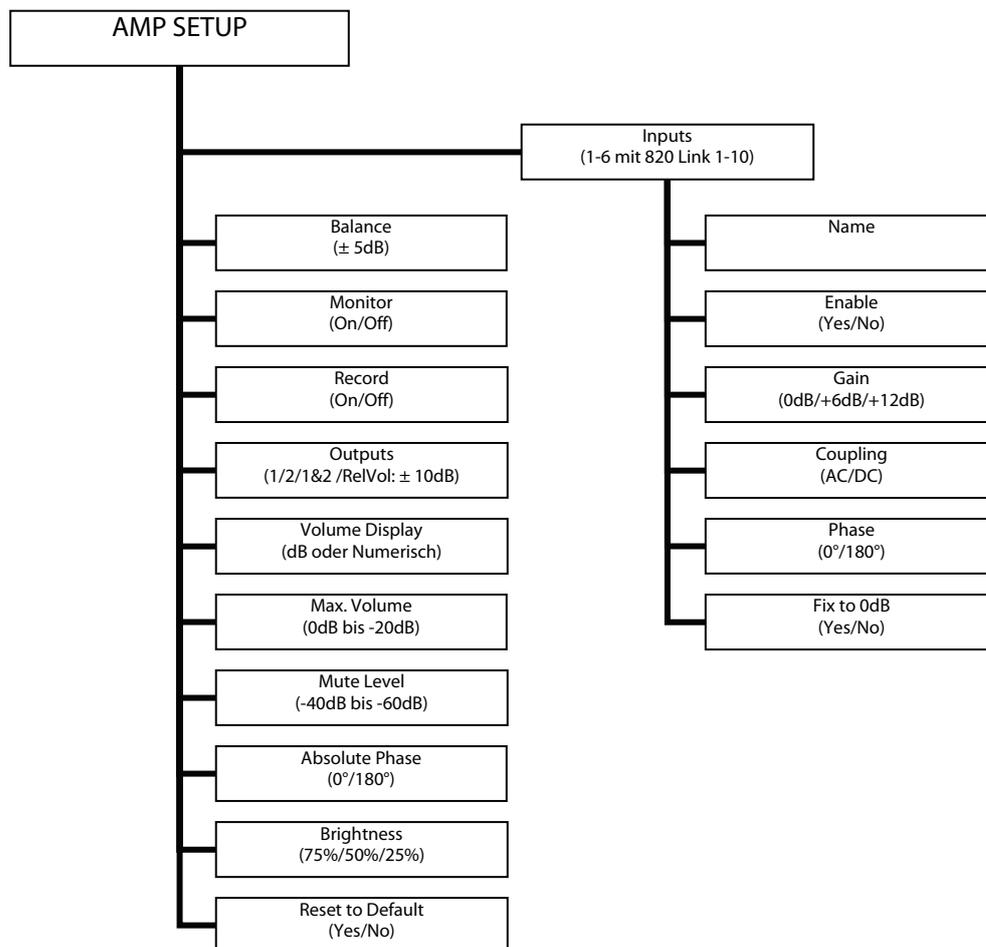
Mute

You can activate the *mute* function by pressing the MUTE button on the remote control. To cancel muting, press the *MUTE* button a second time, or alter the volume.

Configuration menu

The 830 provides many adjustment options in addition to the basic controls. You can access these functions in *AMP Setup*. To open the menu, press the *AMP* or *Setup* buttons. To navigate within Setup, use the *LEFT* or *RIGHT* buttons on the remote control, or use the input selector on the front panel. Press the *OK* or the *ENTER* button to confirm a setting. The new setting will then be applied. In the menu you can use the Setup button to navigate back, i.e. to move back one level without changing any settings. To quit Setup, press the Setup button repeatedly until the standard display reappears.

The available settings are shown as follows:



Balance

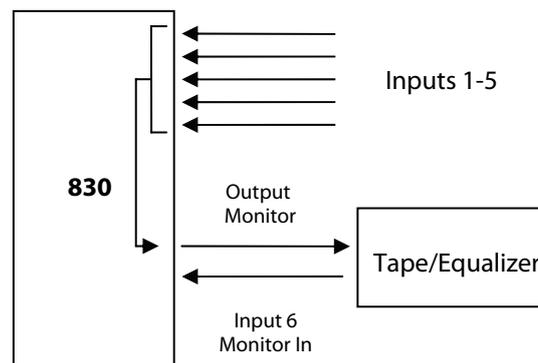
Adjust the balance with the *LEFT* or *RIGHT* button on the remote, or the input selector knob on the front panel. The balance can be adjusted to the left or right in ten steps. The centre is the neutral setting. One step alters the balance by 0.5 dB. The maximum available adjustment is ± 5 dB. Press *OK* to confirm your selection.

Monitor

The 830 offers a tape loop for off-tape monitoring or for connecting an external equalizer.

The tape monitor loop is activated by pressing the *Monitor* button on the front panel or in Setup. The monitor loop is active only when Input 6 has been activated via the *Enable Monitor* menu option. The word *Monitor* appears in the display when the tape monitor is active.

Important! If you select the Monitor input and there is no tape recorder with tape monitoring capability connected to Input 6, you will not hear anything.



Record

Here, you can enable or disable the *RECORD* input.

Outputs

The 830 is equipped with two outputs with individually adjustable level controls. These outputs can be disabled individually. You can also adjust the volume level of Output 2 relative to Output 1. If you specify a relative volume of -10dB, Output 2 will be 10dB quieter than Output 1. Output 2 offers an adjustment range of ± 10 dB.

Volume display

You can display the volume either as a number or in dBs. In *Numeric* mode, the volume is shown from 0 to 60. In *Decibel* mode, the volume is shown from -60 to 0dB. Choose the type of display you prefer using the *LEFT* or *RIGHT* buttons. Press *OK* to confirm your selection.

Max. volume

Max. Volume lets you limit the maximum listening volume anywhere between 0dB (max. volume) and -20dB (party setting/child-proofing). Set the maximum volume in 0.5dB steps using the *UP* or *DOWN* button. Press *OK* to confirm your selection. Even after you have limited the volume in this way, you will still be able to adjust the volume by 60dB – the adjustment range is simply shelved downwards.

Mute level

Set the mute level in 0.5dB steps using the *UP* or *DOWN* button. Press *OK* to confirm your selection.

Absolute phase

Certain recordings sound better when you reverse the polarity of the audio signal, although the difference is minimal with most recordings. Set the phase of the analog output signal to 0° or 180° using the *LEFT* or *RIGHT* button. Press *OK* to confirm your selection.

Display brightness

When you start using the 830, its display is set to maximum brightness. After about 15 seconds, the display changes to the brightness setting you have specified in the display brightness menu. To avoid wearing out the display prematurely, do not set the display brightness too high. You can choose three brightness levels (75%, 50% or 25%) using the *LEFT* or *RIGHT* buttons. Press *OK* to confirm your selection.

Reset to default (factory settings)

Use this option to restore the configuration menu to the standard settings. To carry out a reset, choose *Yes* following the warning message, and confirm with the *OK* button.

Inputs

In addition to the general configuration described earlier, which works equally on all inputs, you also have the option of adjusting individual inputs to match different signal sources.

Name (input name)

You can assign whatever name you wish to the inputs. Press the *LEFT* or *RIGHT* button to select the desired input (1-6) and confirm by pressing *OK*. An *A<* will now appear in the display, at which point you can enter the name you want to use. Use the *UP* or *DOWN* button to select letters or special characters. Use the *LEFT* or *RIGHT* button to move to the letter you wish to change. Names may be up to 8 characters in length. Once you have finished entering the name, confirm it with the *OK* button.

If you have an 820 connected to your system (SYSCOM), the names of its digital inputs will appear on the 830. You can only change the names of the digital inputs via the *DAC* menu on the 820.

Enable (activating inputs)

It is always advisable to disable any inputs that are not being used. When selecting inputs, any input that has been disabled will be skipped.

Gain (input sensitivity)

You can assign a different input sensitivity to each input. This can be useful when your source components have different output levels. The sensitivity settings are -6dB, 0dB and +6dB and the maximum permissible input voltage for the 0dB setting is 6.0V.

Coupling (DC filter)

You can assign a different input coupling to each input. The standard setting is *DC* input coupling, which means that there is no coupling capacitor in the signal path. If a signal source contains a DC component that could potentially damage amplifiers and speakers – noticeable, for example, as a gentle thump when switching from one source to another or when adjusting the volume – you should select the *AC* (*AC* input coupling) setting, which will filter the AC component from the music signal. The *AC* setting can also be used to filter unwanted subsonic frequencies from the signal: the cut-off frequency is 16Hz.

Phase

You can swap the absolute phase setting (0° or 180°) of each input to compensate for the phase characteristics of individual sources and to avoid having to resolder balanced interconnect cables to account for different pin allocations.

Fix to 0dB (bypass)

The *Fix to 0dB* feature simplifies the integration of the 830 within a home cinema system. It allows you to switch each input individually to a 0dB mode in which the signal is passed from input to output without either gain or attenuation.

When you assign *Fix to 0dB* to an input, it passes through the preamp without any change in level. When you switch to another input, the preamplifier will use the last gain setting you used.

This feature is useful if you wish to use the stereo channels from a surround sound decoder as the front channels. The gain is then controlled by the decoder.

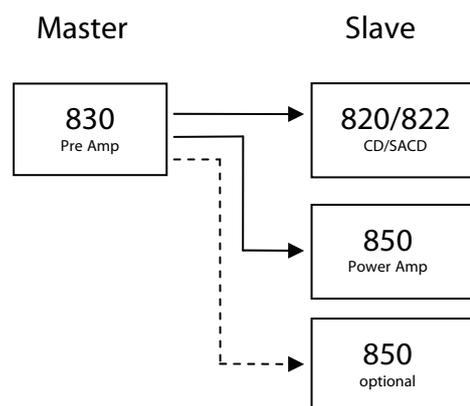
Link Mode

The 830 is able to communicate with other compatible Lindemann components via SYSCOM. This Link Mode allows a single remote control to be used for all Lindemann components.

To use this feature, all components must be linked with a SYSCOM cable (see diagram below). You must switch off all components before changing any SYSCOM connections, as a re-start is required to ensure that the system recognizes all of the components.

Important: You can only control the 820/822 CD player and 830 preamplifier with the same remote control when Link Mode is active; otherwise, both components could react simultaneously to commands such as volume, etc. The two components should be positioned directly adjacent to or above and below each other to ensure that both remote sensors receive commands from the system remote at the same time.

The possible SYSCOM connections are:



Troubleshooting

The display is dark and the unit does not work:

- The 830 is in standby mode. -> Press the *POWER* button.
- The 830 is not connected to a power outlet, or the power switch (on the rear panel) is in the off position. -> Plug the 830 into a power outlet and switch the unit on.

The display illuminates but there is no sound:

- The volume setting is too low. -> Turn up the volume.
- There is no signal from the source component or the wrong source has been selected.
- The unit is in Mute mode. -> Press the *MUTE* button.
- The *Max Volume* setting is too low. -> Increase the *Max Volume* setting in the configuration menu.
- The *Tape monitor* loop is active (*Monitor* appears in the display), but there is no signal to Input 6 (monitor input).

The unit does not respond to the remote control.

- The remote control batteries are discharged or have been inserted incorrectly. -> Change the batteries.
- The distance, or angle, between the remote control handset and the 830 is too great.
- The IR receiver on the 830 is obstructed. -> Make sure that there is clear line of sight between the remote control and the IR receiver.

Specification

Measuring conditions: 22°C, 230V supply voltage.

Dimensions	440*104*360mm(B*H*T incl. feet)
Weight.....	10.0 kg
AC supply.....	230 V 50/60 Hz
Power consumption.....	30 W maximum

Analog outputs:

Voltage gain.....	-6dB/0dB/+6dB
Frequency response	1Hz – 500 kHz (-3dB)
THD	<0.0001% @ 2V output/<0.0005% @ 6V output
S/N (A-weighted).....	>120 dB @ 6 V Ausgang
Crosstalk L>>R	>120 dB @ 1kHz
Crosstalk inputs	>100 dB @ 1kHz
Output voltage	max. 6.0 V balanced
Output impedance.....	10 Ohm (XLR)

Analog inputs:

Balanced

Input impedance..... 5kOhm @ +6dB/10kOhm @ 0dB/20kOhm @ -6dB

Unbalanced

Input impedance..... 2.5kOhm @ +6dB/5kOhm @ 0dB/10kOhm @ -6dB

Maximum input voltage

3V @ +6dB/6V @ 0dB/12V @ -6dB

Volume control:

Adjustment range.....	80.0 dB
Step size	0.5 dB
Adjustment range Balance	±5 dB
Level accuracy.....	±0.05 dB
Channel balance.....	<0.05 dB

Please note:

Our product policy is one of continuous development. Specifications are therefore subject to change without notice.

CE declaration of conformity

Product type: Preamplifier
Model: 830 Stereo Control Amplifier

LINDEMANN audiotechnik GmbH declares that this product complies with the Low Voltage Directive 73/23/EEC and the Electromagnetic Compatibility Directive 89/336/EEC, amended by the directives 92/31/EEC and 93/68/EEC.

The conformity of the designated product with the provisions of directive number 73/23/EEC (LVD) is proved by full compliance with the following standards:

EN 60065 (Date of issue 1998)

The conformity of the designated product with the provisions of directive number 89/336/EEC (EMC) is proved by full compliance with the following standards:

EN 55013 (Date of issue 2001)

EN 55020 (Date of issue 2002)

Guarantee and Service

At Lindemann we value our customers. When a Lindemann product leaves our factory we do not see this as the last step of the process, rather it is the beginning of our long-standing relationship with you. Thereafter we seek to support you in every way that we can. Should you require any further information feel free to contact us at Lindemann audiotechnik.

This product is guaranteed under the conditions that apply in the country of purchase and your statutory rights are not limited. In addition to any statutory rights you may have, Lindemann undertake to replace any parts that have failed due to faulty manufacture. To help us, please ask your Lindemann retailer about the Lindemann warranty scheme in operation in your country.

In parts of Europe and some other markets, extended warranty may be available to customers who register their purchase with the local Lindemann distributor. A warranty registration card is included with the product and should be stamped by your retailer and returned to the local distributor as soon as possible.

Warning

Unauthorised servicing or dismantling of the product invalidates the manufacturers warranty. There are no user serviceable parts inside the product and all enquiries relating to product servicing should be referred to authorised retailers only.

Technical support and information

For technical support, product queries and information, please contact either your local retailer, the local Lindemann distributor or Lindemann audiotechnik. Full details of your local distributor can be found on the Lindemann website: www.lindemann-audio.de

Important

- Please keep a copy of the sales receipt to establish the purchase date of the product.
- Please ensure that your equipment is insured by you during any transit or shipment for repair.

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Directive on waste electrical and electronic equipment

Electronic equipment should not be disposed of with household waste but in compliance with the Directive 2002/96/EU of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment. When this equipment reaches the end of its working life, please take it to one of the available collection points.

The symbol (below) is attached to this product.



