

AMPLIFIER

CUSTOMER INFORMATION

CONGRATULATIONS

You've just become the proud owner of the Altmann BYOB amplifier.

When people come up to compliment you on your sound, you can smile knowingly ... and hopefully you'll tell them a little about us!

This BYOB amplifier has been designed, tested, improved, tested again and refined to deliver maximum musical performance of any style, in any situation.

VIBRATIONAL OPTIMIZATION

The Altmann BYOB amplifier is vibrationally optimized. Unlike other hifi-components that come in a bad sounding enclosure, your Altmann BYOB amplifier is tightly fastened on a solid spruce board, which is treated with natural wood resins.

The idea is simple: „As we cannot prevent subtle vibrations from entering our hifi-system, let's just give them a better sound character.“

BATTERY POWER & CHARGING

The Altmann BYOB amplifier relies on battery-power as it is the only source of clean power. It thus completely avoids many disturbing problems that normally arise with mains powered equipment.

Your Altmann BYOB amplifier is designed to be powered by a 12V car battery, which you supply (Bring-Your-Own-Battery). We did all our tests with a „Optima Red-Top“ lead-acid battery, which is also non-spillable. Technically, you can also use a gel-battery, it may, however, sound different.

A car battery is designed to be charged with a car battery charger. You can get that part locally & low cost from almost any car supply shop. **Always disconnect the BYOB before connecting the charger.**

The blue LED indicates battery charge. It will light bright with full charge, and will go off, if the battery charge drops below 10 Volts. Please load your battery, when the blue LED goes dim.

BURN-IN & AGEING

Every BYOB-product is manufactured on a customs basis after the reception of your order. As it comes fresh, please allow a couple of weeks for burn-in and settlement of the lacquer and wood.

As wood is a living material, it will naturally age, of course not in a degenerative but in a positive sense. As with any musical instrument, it must be played to develop its sound. The same is true for your BYOB amplifier. The more you play it, the better it gets.

GUARANTEE & SAFETY

Every Altmann BYOB product is covered by a 5 years guarantee when treated according to the operational instructions: If it fails, I will repair it for free, no other claims possible.

A car battery is a harmless and safe device, as long as you observe the safety precautions printed on the operational instructions. However, if you do any nonsense with it, like shorting the two output poles or your battery with a screwdriver or any other piece of metal or wire, the experience may become very hot and/or explosive and/or acidic. Please treat your battery with the proper respect and keep it out of the reach of your children.

PERFORMANCE STANDARD

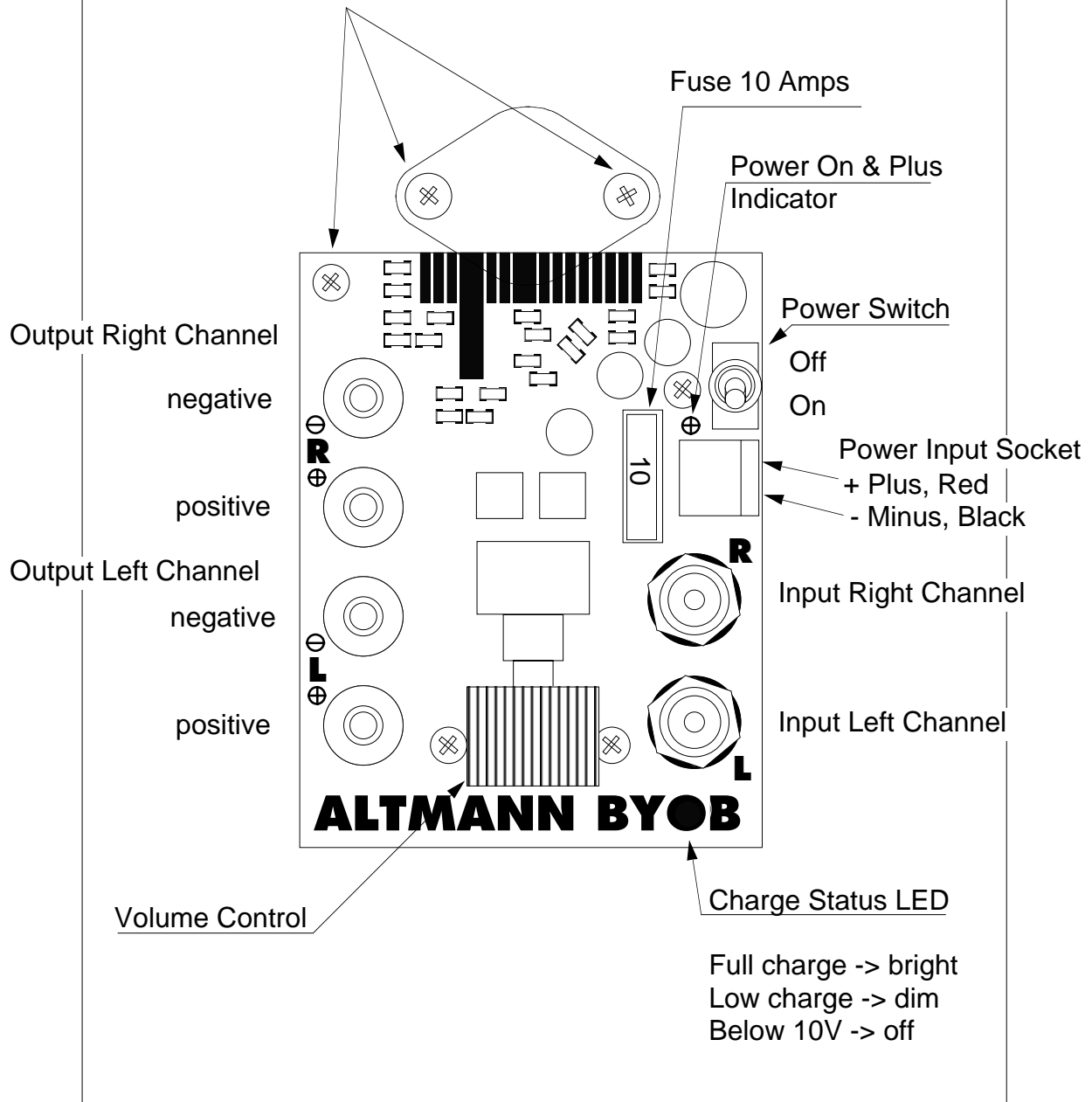
The performance standard of your BYOB amplifier is A Performance Standard.

Happy listening...





Module and Circuit Screws -> do not remove, do not loosen.



Check polarity before connecting to battery.

Before charging battery, always disconnect BYOB amplifier from battery.

ALTMANN BYOB - BRING YOUR OWN BATTERY - AMPLIFIER

OPERATIONAL & SAFETY INSTRUCTIONS

Checklist:

- If you barely know the difference between a plus pole and a minus pole, let someone help you to do the job.
- A car battery is a very powerful device. Please never short circuit the plus and minus pole of your battery, as it may become very hot, or even explode. Keep any metal objects that are not needed for operation away from the battery. Keep the battery out of the reach of children.
- Please use only a 12V car battery. Do **not** use a 24 Volt truck battery.
- Please use only a car battery charger that is designed to charge 12 V car batteries.
- Before connecting a battery charger to the battery, disconnect the power cable from the BYOB amplifier. Reconnect only after disconnecting the battery charger from the battery.
- The blue LED of the BYOB amplifier indicates the battery charge. It lights bright when the battery is fully charged (12V). If it lights dim, the battery charge is about 10..11 Volt. The blue LED goes off, when the battery charge is below 10 Volt. Please charge the battery, when the blue LED is off or dim or if it softly blinks with the music being played.
- Every Altmann BYOB product needs to be connected with the proper polarity. Each BYOB amp comes with a battery cable, that is tested together with your BYOB amp before shipping, and **is in the right polarity**. The battery cable has a red (+, plus) wire and a black (-, minus, ground) wire. The red wire is connected to the plus battery pole clamp, which has a large pole diameter. The black wire is connected to the minus battery pole clamp, which has a small pole diameter. This way, when connecting the clamps to a standard car battery, you cannot change the polarity since the large pole clamp only fits the large diameter plus-pole of the battery, and vice versa. The other end of the supplied battery cable is screwed to the byob connector **in the right polarity**, and can only be plugged into the amp with the right polarity. So unless you behave very stupid, you cannot do anything wrong. If, for any reason, you change or modify the battery cable and reverse the polarity, you will smoke your BYOB amp immediately. This is not covered by the guarantee.
- Any Altmann BYOB product is sensible to humidity and fluids. If it comes in contact with any fluid (i.e. water, beer, wine, oil, etc.) it may fail. This is not covered by the guarantee.
- Any Altmann BYOB product is sensible to overvoltage. The maximum voltage is 18 Volt. This is especially important, when you charge the battery. Always, before you connect a charger to the battery, disconnect the BYOB. Reconnect the BYOB only after having disconnected the charger.
- Do never connect or touch the speaker output posts with any cable that is not a speaker cable, as all speaker posts may carry voltage (half of the supply voltage) with respect to battery ground (because of the bridged operation of the amplifier). A simple rule to prevent this: Always switch the BYOB amplifier OFF, when you want to connect or disconnect something.
- Do not connect any part of the circuit board with any cable or metal object.
- If you remove or loosen any of the screws that fix the BYOB circuit to the spruce board, the guarantee is void.
- If you fail to observe the above precautions, and fry your BYOB, I will try to repair it at a reasonable cost.
- If the output sounds distorted for any time, please turn the volume down, in order to prevent damage to your speakers. The amp may clip, when the battery is weak or not charged, or you are simply too loud, or your speakers efficiency is very low. Don't panic. You can attain crazy levels of volume and sound quality with the right speaker.

Connection Sequence: Toggle BYOB power switch in the OFF-position. Connect the speakers to the BYOB amp's speaker posts. Speaker polarity is indicated. Connect the RCA input to the BYOB's RCA inputs. Connect the battery pole clamps of the power cable to the battery. Connect the other end of the power cable to the BYOB's power input socket. Turn volume fully down (anti-clock-wise). Toggle BYOB power switch in the ON-position -> blue LED lights up. Start source (i.e. CD, tape, phono). Turn volume up a little. Enjoy...

ALTMANN MICRO MACHINES

GLOBAL WARRANTY AND PROPRIETARY RIGHTS STATEMENT

Limited Warranty:

ALTMANN MICRO MACHINES („AMM“) warrants to you as an end-user purchaser AMM Hardware Products against defects in material and workmanship for a period of FIVE (5) YEARS from the date of original manufacturing, as indicated on the guarantee certificate.

If you discover a defect, AMM will, at its option, repair, replace, or refund the purchase price of this product at no charge to you, provided you return it during the warranty period, with transportation charges prepaid, to the authorized AMM dealer from whom you purchased it, or directly to AMM Germany.

To each product returned for warranty service, please attach your name, address, telephone number, error description, and the original guarantee certificate bearing the appropriate AMM serial numbers as proof of original retail purchase.

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