

USER MANUAL

Compact 300B

Handcrafted in Italy

MASTERSOUND

MADE IN ITALY

Welcome to MastersoundD

Congratulations on your choice and welcome to the MastersoundD world, where Italian craftsmanship and music meet to create an authentic listening experience.

Your MastersoundD product is the result of years of design, listening and hand-built construction in Italy. Each unit is assembled by skilled technicians using selected components, hand-built circuitry and carefully engineered tube designs developed to achieve natural musicality, tonal coherence and long-term reliability.

Designed according to MastersoundD's pure Class "A" philosophy and minimalist signal-path approach, every product is created for music lovers who appreciate:

- the warmth and presence of tube amplification
- the natural dynamics and musicality of Class "A" operation
- the pleasure of owning a product built to last, with a distinctive Italian character

Please read this manual carefully: it will help you install, use and take care of your MastersoundD product, so you can fully enjoy its performance for many years.

Enjoy your music,
MastersoundD

Luciano Sanavio

Antonio Ferro

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4. – IMPORTANT SAFETY INFORMATION



GENERAL WARNINGS

- Read these instructions carefully and keep them for future reference
- Follow all warnings and instructions marked on the product
- Do not use this apparatus near water, in damp environments or outdoors
- Clean only with a soft, dry cloth
- Do not block ventilation openings: install in accordance with the manufacturer's instructions
- Do not install near heat sources such as radiators, stoves, or other equipment (including amplifiers) that produce heat
- Use only attachments and accessories specified by the manufacturer
- Use only the supplied mains cable or a cable of equivalent quality
- Protect the power cord from being walked on or pinched, particularly at plugs and at the point where it exits from the apparatus
- Unplug this apparatus during lightning storms or when unused for long periods of time
- Refer all servicing to qualified service personnel

RISK OF ELECTRIC SHOCK

- Do not open the cabinet: no user-serviceable parts inside
- Inside the amplifier there are dangerous high voltages even after it has been switched OFF
- Servicing must be carried out only by qualified, authorized personnel
- Never remove or insert the AC plug when the unit is ON.

HOT SURFACES

- Tubes and transformers reach high temperatures during operation
- Do not touch the tubes, transformer covers or top cage while the amplifier is on or shortly after switch-off
- Allow at least 30 minutes for cooling before moving the unit

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK

- Do not expose this apparatus to rain, moisture, dripping or splashing
- Do not place objects filled with liquids (vases, glasses, bottles) on the apparatus

5. – ELECTRICAL & ENVIRONMENTAL INFORMATION

| ELECTRICAL INFORMATION

Mains supply: 230 V ~ 50 Hz / 110-120 V ~ 60 Hz

Maximum power consumption: 136 W

Protection class: Class I (earth connection required)

△ The unit is factory-set for the mains voltage of the destination country. External voltage converters are not recommended. Voltage conversion should be carried out only by qualified personnel.

| WEEE AND ENVIRONMENTAL INFORMATION

EU Directive 2012/19/EU



The symbol of the crossed-out wheeled bin on the product or its packaging indicates that this product must be collected separately from other waste at the end of its life.

Please dispose of this product at dedicated collection points for electrical and electronic equipment, or return it to your dealer according to local regulations. Correct separate collection and recycling help prevent potential negative effects on the environment and human health and promote the reuse of materials.

This product complies with: Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU.

Disposal outside the EU

This product must not be disposed of as unsorted municipal waste. Please dispose of the product at designated collection points for electrical and electronic equipment in accordance with local regulations in your country.

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6. – PACKAGE CONTENT

- 1 × Mastersound Compact 300B integrated amplifier
- 1 × complete set of selected tubes (usually already installed)
- 1 × mains power cable
- 1 × remote control
- 1 × user manual

⚠ If any item is missing or damaged, please contact your dealer immediately.

⚠ The remote control operates with a standard 23A 12V battery.

7. – TECHNICAL SPECIFICATIONS

Main features

- Integrated tube amplifier
- Single-Ended Class “A”
- Output power: 2×11 W (RMS)
- Tubes: $2 \times$ ECC802S, $2 \times$ 6SN7GTB, $2 \times$ 300B
- Automatic adjustable bias
- Custom Mastersound output transformers
- Global negative feedback: 0 dB
- Volume control: Alps potentiometer
- Remote control: supplied

Inputs

Direct

- | | |
|---------------------------------------|-------------------------------|
| • $3 \times$ Line (CD · Tape · Tuner) | • $1 \times$ RCA (Unbalanced) |
| • $1 \times$ Line XLR (Balanced) | • $1 \times$ XLR (Balanced) |

Electrical

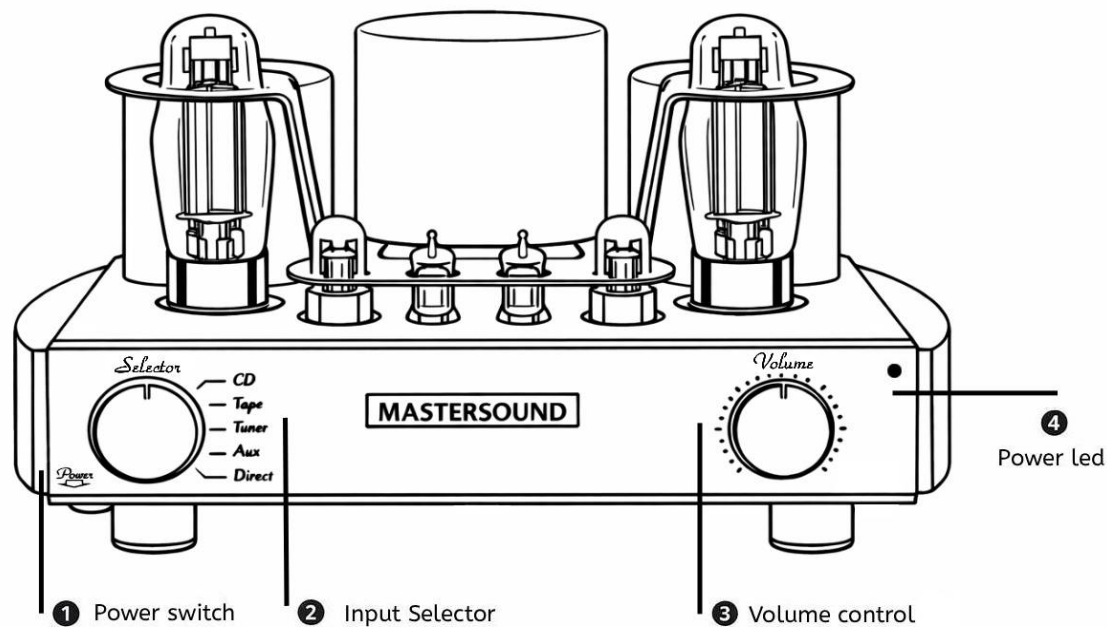
- Input impedance: 50 k Ω
- Input sensitivity: 1 V
- Speaker outputs: 4 Ω / 8 Ω
- Frequency response: 8 Hz – 40 kHz (0 dB)
- Power consumption: 136 W
- Tube protection fuse: 315 mA / 250 V (slow)

Mechanical

- Dimensions (W $\times$ D $\times$ H): 45 $\times$ 43 $\times$ 27 cm
- Weight: 33 kg

Due to continuous research and development, specifications may change without notice.

8. – FRONT PANEL

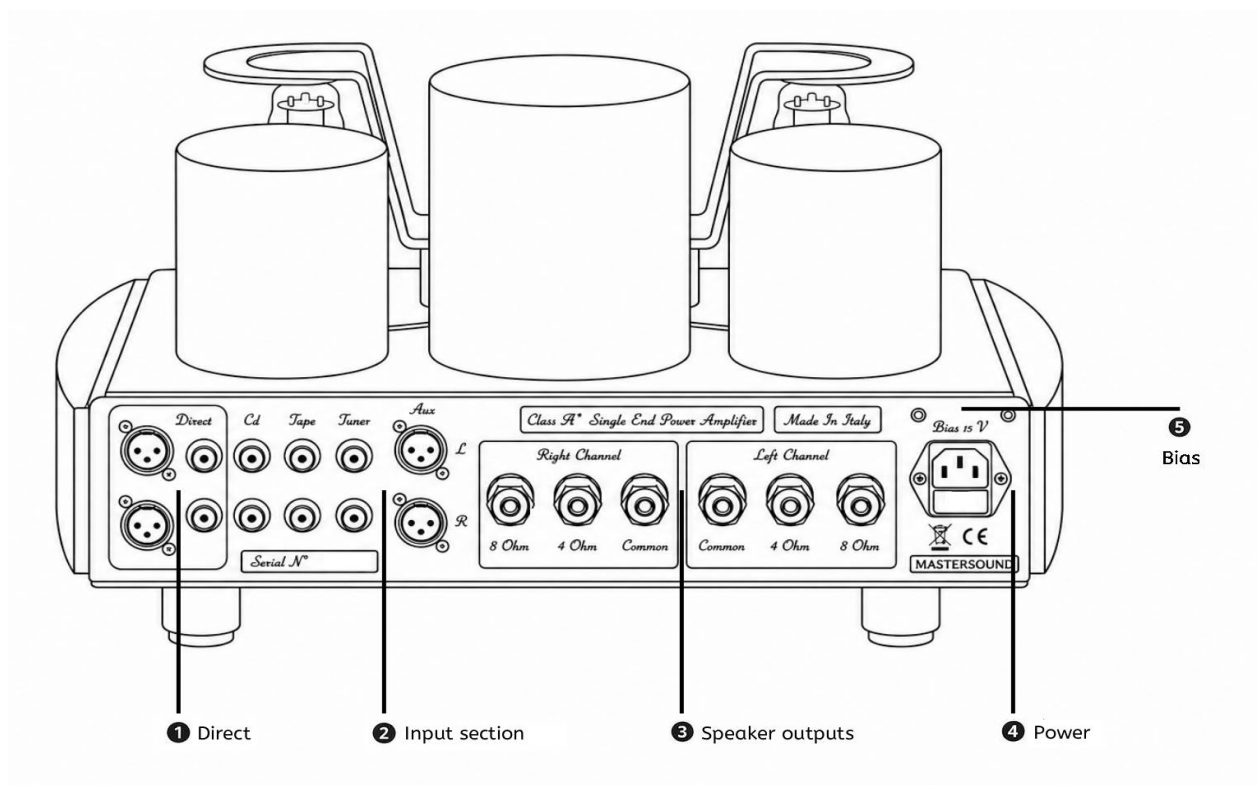


The front panel of the Compact 300B has been designed to be simple, intuitive and reliable for everyday use.

The minimal layout ensures a very short signal path and an immediate, distraction-free operation.

- | | |
|--|-------------------|
| 1. Power switch (ON/OFF)
under the lower right corner | 3. Volume control |
| 2. Input: CD · Tape · Tuner ·
Aux · Direct | 4. Power LED |

9. – REAR PANEL



The Compact 300B features high-quality connectors to guarantee reliable contacts and maximum versatility.

1. Direct

Bypasses the preamplifier, feeding the power stage directly.

2. Input section

Inputs: CD · Tape · Tuner ·
Aux (XLR)

3. Speaker outputs

Right channel: 4 Ω · 8 Ω

Left channel: 4 Ω · 8 Ω

4. Power

IEC mains inlet with fuse holder (8 A slow)

5. Bias

Not user adjustable.

Authorized service only.

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10. – QUICK START

Safe Handling and Transport

Due to the transformer weight, the unit is heavier on one side. Handle the packaging carefully and preferably with two people.

ON/OFF

1. Place the amplifier on a solid and flat surface, away from heat sources and in a well-ventilated area. Ensure at least 20 cm of free space above the unit and avoid installing it inside closed cabinets without proper airflow.
2. Make sure all connections are completed (speakers and sources).
3. Turn the volume control fully counter-clockwise (minimum).
4. Press the front Power switch: the amplifier enters a short stabilization phase; the front LED flashes while the internal operating voltages reach their optimal values.

We recommend allowing the amplifier to warm up for at least 5–10 minutes before listening; optimal performance is reached after about 20 minutes.

To switch the unit OFF:

1. Lower the volume to a moderate level.
2. Press the Power switch to OFF.
3. If you will not use the amplifier for a long time, also switch OFF the mains switch (if present) or unplug the power cord.

⚠ The amplifier requires a break-in period to reach optimal performance.

⚠ The transformers act as heat dissipation elements; it is normal for them to reach elevated temperatures during operation.

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11. – OPERATION

Source selection

Use the input selector to choose the desired source:

- Direct (XLR / RCA) – input that bypasses the internal preamplifier, sending the signal directly to the power stage for use with an external preamplifier.
- CD – CD player or DAC
- Tape – recording device or tape deck
- Tuner – tuner or streamer
- Aux (XLR) – balanced line-level source

The CD, Tape, Tuner and Aux inputs can be used for all line-level audio sources.

Volume

- Rotate clockwise to increase, counter-clockwise to decrease.
- Avoid prolonged listening at very high levels to protect your speakers and your hearing.

Remote control

The supplied radio-frequency remote control is housed in solid walnut wood, offering a refined tactile feel in line with the amplifier's craftsmanship. It allows remote volume adjustment.

12. – SINGLE-ENDED

This amplifier is based on a pure 300B single-ended Class “A” design, with no global negative feedback.

This configuration is widely regarded for its natural musicality and harmonic richness, delivering a highly realistic and engaging listening experience.

Key characteristics:

- Exceptional midrange clarity and tonal naturalness
- Smooth and coherent sound reproduction
- Precise imaging and spatial depth
- Low distortion at typical listening levels

Due to its design, the amplifier delivers moderate output power and is best matched with high-efficiency loudspeakers.

For optimal performance, we recommend using speakers with adequate sensitivity and maintaining appropriate listening levels.

13. – TUBES

The Compact 300B is supplied with:

- 2 × ECC802S – preamplifier
- 2 × 6SN7GTB – driver stage
- 2 × 300B – single-ended output stage

All tubes are selected and matched to work optimally with MastersoundD circuits.

Tube lifespan

Under normal use, tubes typically last 5,000–10,000 hours.

The actual life varies with usage and mains quality.

Signs that tubes may need replacement:

- loss of dynamics or clarity
- increased background noise or hum
- distortion at usual listening levels

For replacement, we recommend:

- using high-quality, matched tubes
- contacting your dealer or MastersoundD service for testing and advice

⚠ Never operate the amplifier without all tubes correctly installed.

14. – MAINTENANCE & CLEANING

Always switch off the amplifier and unplug the mains cable before any cleaning.

Allow the unit to cool down completely before touching the tubes or metal covers.

Clean the metal and wooden parts with a soft, slightly damp cloth and dry immediately.

Do not use alcohol, solvents, abrasive or ammonia-based cleaners.

Keep ventilation openings free from dust.

⚠ There are no user-serviceable parts inside.

⚠ For internal maintenance or tube replacement, contact your dealer or an authorized Mastersound service centre.

15. – TROUBLESHOOTING

Problem	Possible cause	Solution
Amplifier does not switch ON	Power cord not connected; blown fuse; mains outlet not working	Check mains cable and outlet; replace fuse with same type and rating; if problem persists, contact service
No sound	Wrong input selected; loose RCA cables; source not playing	Check input selector; verify all connections; test with another source
Hum or buzz	Poor interconnect cables; turntable not grounded; interference from nearby electronic devices.	Use good shielded cables; connect turntable ground wire; Unplug or switch OFF nearby electronic devices.
Distorted sound	Tubes worn; loudspeakers impedance mismatch; volume too high	Check tubes; ensure speakers match 4/8 Ω taps; reduce volume
One channel silent	Faulty cable or source; speaker cable disconnected	Swap left/right cables to identify fault; check speaker connections

⚠ If the problem cannot be solved following these steps, disconnect the unit and contact your dealer.

16. – WARRANTY & SERVICE

Your Mastersound Compact 300B, except for the tubes, is covered by a 5-year limited warranty against defects in materials and workmanship from the date of purchase shown on your sales invoice.

During the warranty period, repairs or replacement of defective parts will be carried out free of charge, excluding transport costs when applicable.

The warranty is void if:

- The serial number has been removed, altered or is illegible
- The amplifier has been opened, modified or repaired by unauthorized personnel
- Tubes of a different type or with unsuitable specifications have been installed
- The amplifier has been operated without loudspeakers correctly connected
- Damage is due to misuse, accident, negligence, incorrect installation, or abnormal mains supply

For any service request, please contact your authorized dealer or distributor first, or:

Mastersound S.r.l.
Via Galileo Galilei 2/2
36057 Arcugnano (Vicenza) – Italy
Email: info@mastersoundsas.it
Web: www.mastersoundsas.it

⚠ Please keep the original packaging: it is the safest way to ship the unit if service is required.