Owner's Manual

Bi 1000 Di Mark III · Bi 500 Di Mark III

Class D Bass Amplifier · Made in U.S.A.

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SECTION 1

Safety Instructions

WARNING

To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture. Form Factor Audio assumes no responsibility for any damage or injury that results from improper use or service.

CAUTION — RISK OF ELECTRIC SHOCK

This is a high-voltage device, and internal voltages can be lethal. Any service should be performed by qualified personnel only.

INSTRUCTIONS FOR SAFE USE

1. Read all instructions provided by the factory.

2. Follow all instructions provided by the factory.

3. Do not use this product near water.

4. This product can produce sound levels capable of causing permanent hearing loss. Do not operate for long periods at any level that is uncomfortable.

5. Clean only with a dry cloth.

6. Do not block any ventilation openings. Make sure nothing interferes with the ventilation of the product when in use.

7. Locate the product away from heat sources such as radiators, heat registers, or other products that produce heat.

8. Attention: liquids must not enter the enclosure through the ventilation openings.

9. Use the power cord provided by the factory with a grounding-type plug (two blades and a third grounding prong). If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet. Protect the power cord from being walked on or pinched, particularly at plugs. Only use attachments and accessories specified by the manufacturer.

10. Unplug this apparatus during lightning storms or when unused for long periods.

11. Have the product serviced by qualified personnel when the power supply cord or plug is damaged, the device has fallen, liquid has been spilled into the product, the product has been exposed to rain or moisture, the product does not appear to operate normally, or it exhibits a marked change in performance.

12. Always ensure the amplifier is properly grounded. Always unplug the AC power cord before performing any service. Use only the same type and rating when replacing a fuse.

13. Keep the amplifier away from children.

14. To avoid damaging your speakers, turn off the amplifier power before making connections.

15. Do not use excessive force when handling buttons, switches, and controls.

16. Always connect to an AC supply that meets the specifications listed on the rear of the unit. Export models: ensure the unit is wired for proper voltage. Make certain grounding conforms to local standards.

SECTION 2

Specifications

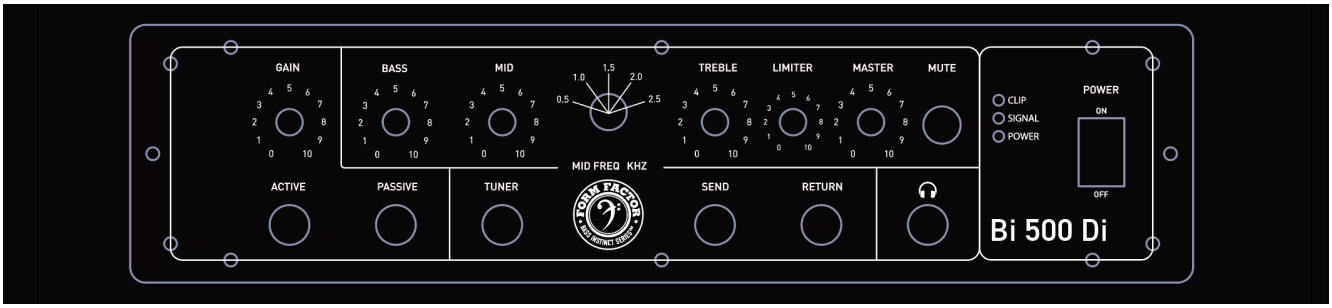
Both Mark III amplifiers share the same chassis, mains range, and DPS power-supply architecture. They differ only in output power. All specifications are nominal and subject to revision without notice.

Parameter	Bi 1000 Di Mark III	Bi 500 Di Mark III
Configuration	Class D Amplifier	Class D Amplifier
Power @ 4 Ω	1000 W RMS	500 W RMS
Power @ 8 Ω	600 W RMS	250 W RMS
THD + N	< 0.05% (20 Hz – 20 kHz, 8 Ω, –3 dB)	< 0.05% (20 Hz – 20 kHz, 8 Ω, –3 dB)
Frequency Response	20 Hz – 20 kHz (+0 / –0.25 dB)	20 Hz – 20 kHz (+0 / –0.25 dB)
Power Supply	Integrated extra capacitance · DPS (Dynamic Power Supply)	Integrated extra capacitance · DPS (Dynamic Power Supply)
Cooling	Integrated dynamic cooling fan	Integrated dynamic cooling fan
Mains — Nominal	100 – 230 VAC, 12.5 / 10.0 A	100 – 230 VAC, 12.5 / 10.0 A
Mains — Min / Max	90 – 264 VAC (universal mains 85 – 265 V)	90 – 264 VAC (universal mains 85 – 265 V)
Weight	10 lb (4.5 kg)	10 lb (4.5 kg)
Dimensions (H × W × D)	2.9” × 11.6” × 11.5” (73 × 295 × 294 mm)	2.9” × 11.6” × 11.5” (73 × 295 × 294 mm)

DPS (Dynamic Power Supply) modulates rail voltage in real time to deliver high transient headroom from a lightweight package. Minimum total speaker load is 4 Ω — see Recommended Setups for valid cabinet combinations.

SECTION 3

Front Panel



Bi 500 Di Mark III front panel — control layout is identical on the Bi 1000 Di Mark III.

INPUTS & OUTPUTS

Bass Guitar Inputs. Two instrument inputs are provided. **Active** is low-sensitivity / lower-impedance to suit basses with powered preamps. **Passive** is high-sensitivity / high-impedance to suit basses with non-powered preamps.

Tuner Out. Line-level output for a permanent connection to a tuner.

Send / Return. Serial effects loop at 0 dB. Insert effects between the preamp/EQ section and the power section of the amplifier.

Headphone Out. Practice in headphones; level is set by the Gain control.

CONTROLS

Gain. Sets the input signal level into the preamp.

Equalization. Bass, Middle, sweepable Mid Frequency (0.5–2.5 kHz), and Treble.

Limiter. Reduces the level of loud peaks to prevent amplifier clipping.

Master. Overall amplifier output. Set for your stage volume.

Mute. Silences the amplifier (and the post-EQ Direct Out). The Tuner Out remains active.

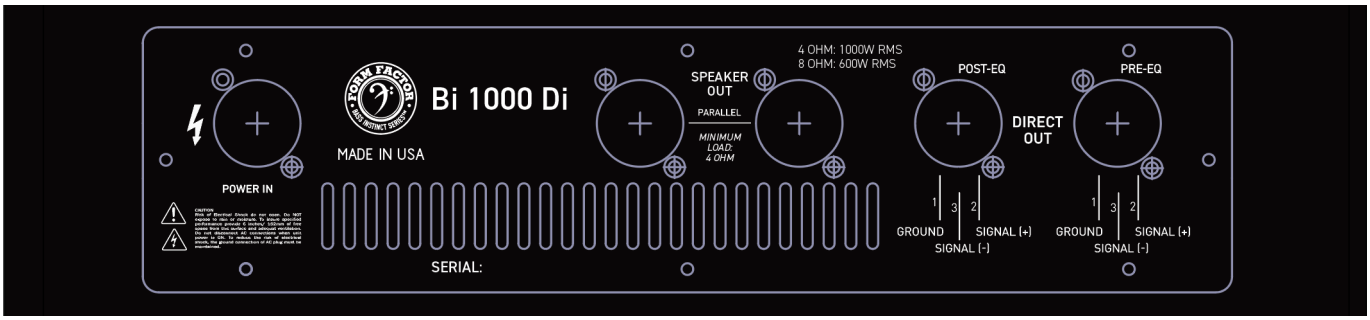
LED INDICATORS

Power (green) — unit is on. **Signal** (yellow, blinks) — signal present. **Clip** (red) — amplifier is overloaded; reduce Gain or Master.

Power On / Off. Red indicator on the power switch confirms mains power.

SECTION 4

Rear Panel



Rear panel — Bi 1000 Di Mark III shown. Bi 500 Di Mark III is identical in layout.

CONNECTORS

Power In. Use the locking *powerCON* cable supplied by the factory.

Speaker Output. Two speakON connectors wired in parallel. Minimum total load: **4 Ω**.

DIRECT OUTPUTS

Direct Out — Post-EQ (XLR, balanced). Sends the signal *after* the preamp with all tone-shaping applied. Gain affects this output level; Master does not. This lets the front-of-house engineer fix your sound in the room while you adjust your stage level independently. When **Mute** is engaged, signal still passes to the Post-EQ Direct Out — useful for tuning or talking to FOH with no sound on stage.

Direct Out — Pre-EQ (XLR, balanced). Sends the signal *directly from the bass*, ahead of Gain, Master, and the EQ section. Use this when the FOH engineer prefers to set level and tone in the PA. When **Mute** is engaged, signal still passes to the Pre-EQ Direct Out.

OPTIONAL — TOURING / INTERNATIONAL

Voltage selector switch (110 V / 220 V) and dual fuse holders for 115 V and 220 V are available on units configured for international touring.

FOH tip: The pre-EQ DI is the cleanest snapshot of your bass. The post-EQ DI lets the audience hear what you hear on stage. Pick based on the room and the engineer — not by default.

SECTION 5

Operating Instructions

CONNECTING

1. Connect the speaker(s) to the amplifier.
2. Connect the power cord to the amplifier and to the AC outlet.
3. Plug the bass into either the **Active** or **Passive** input.
4. Engage **Mute**.
5. Switch **Power** to **ON**.
6. Disengage **Mute**. The amplifier is ready.

DISCONNECTING

1. Engage **Mute**.
2. Switch **Power** to **OFF**.
3. Disconnect all cables.

Always power down before connecting or disconnecting speakers — a hot-patch transient can damage drivers.

SECTION 6

Recommended Setups

Form Factor amplifiers pair best with Form Factor cabinets, but any combination is welcome — just remember that **minimum amplifier load is 4 Ω**.

Configuration	Notes
Bi 1000 Di + 1× 2B10-8 (8 Ω)	Compact 2×10 stack — ceramic or Neo (2B10-8L).
Bi 1000 Di + 2× 2B10-8 (8 Ω each → 4 Ω)	Full-range 4×10 footprint with two compact cabs.
Bi 1000 Di + 1× 4B10-4 (4 Ω)	Single 4×10 — ceramic or Neo (4B10-4L).
Bi 1000 Di + 1× 2B10-8 + 1× 1B15-8	2×10 + 1×15 hybrid; total load 4 Ω.
2× Bi 1000 Di + 2× 4B10-8 (Neo or ceramic)	Bi-amp / large-stage configuration.
Bi 500 Di + 1× 1B12-4	Lightweight gigging 1×12 rig.
Bi 500 Di + 1× 1B15-8	Single 1×15 for warm low-end.

SECTION 7

2-Year Limited Warranty

At Form Factor, we focus on delivering the best bass equipment possible — and the best ownership experience possible. While we operate within our warranty, we go above and beyond to make sure players have the gear they need, when they need it. If an issue arises, you're never more than a call or an email away from a speedy solution.

COVERAGE PERIOD

Two (2) years from date of purchase, U.S.A. and Canada. Transducers and compression drivers are covered for one (1) year against defects in parts and workmanship.

WHO IS COVERED

Original purchaser from an Authorized Form Factor Dealer, and any transferee of a retail purchaser. Endorse the sales receipt to a subsequent purchaser to keep the warranty intact.

SERVICE

Defective products will be repaired or replaced (at FFA's discretion) without charge. The product must be sent **directly to the Form Factor Audio factory, or through the Authorized Form Factor Dealer who originally sold it**, with proof of purchase. Your dealer should be your first point of contact for service. Transportation costs are not covered.

EXCLUSIONS

Damage from alteration, misuse, accident, or neglect; service performed by anyone other than the Form Factor Audio factory or an Authorized Form Factor Dealer acting on FFA's behalf; and units with defaced or removed serial numbers are not covered.

*Full warranty terms — see the Form Factor Audio 2-Year Limited Warranty Card included with this product, or visit **formfactoraudio.com/warranty**.*

SECTION 8

Register Your Warranty

Registering your amplifier takes about a minute and gives us the information we need to support you quickly if anything ever needs attention. Two ways to register:

OPTION 1

Register online

Scan the QR code

or visit:

formfactoraudio.com/warranty

OPTION 2

Use the warranty card

- Fill in owner, product, and dealer information.
- Sign and date the card.
- Return as instructed on the card.
- Keep your sales receipt as proof of purchase.

SERVICE & SUPPORT

We’re a phone call away.

If anything ever needs attention, contact your Form Factor dealer first — they’re typically the fastest path to a fix. We’re U.S.-based and available nearly 24/7 for direct support when your dealer can’t resolve it.

Web: formfactoraudio.com · **Email:** support@formfactoraudio.com