

ZX BLACK EDITION

AMPLIFIERS



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ZX 4500 Black Edition



ZX 4000 Black Edition



ZX 2000 Black Edition

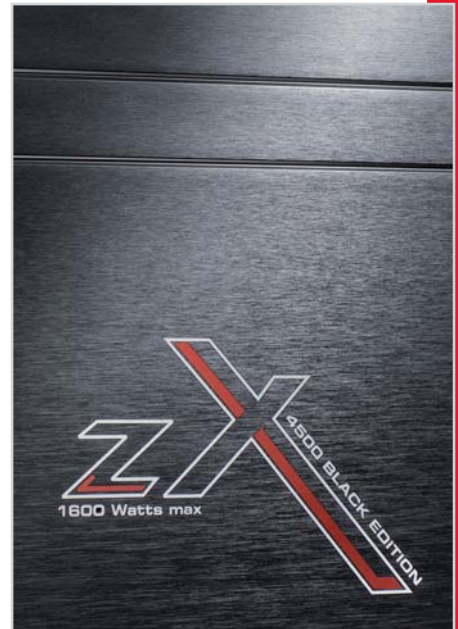


ZX 1000 Black Edition

ZX BLACK EDITION

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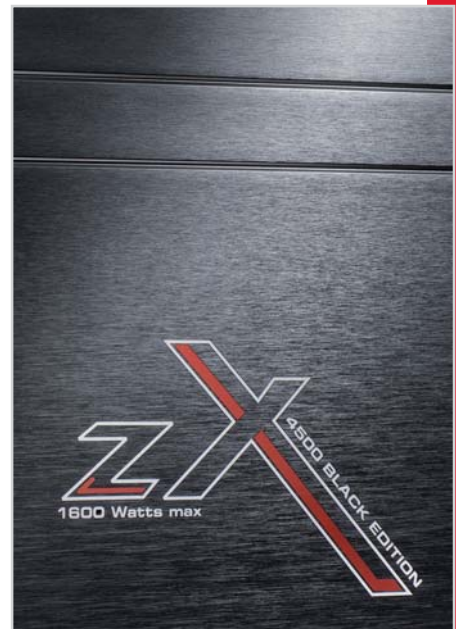
- Stabil an 2 Ohm
 - Niederpegelausgänge zum Durchschleifen weiterer Verstärker (Kanal 1 und 2) (4500 & 4000)
 - Niederpegelausgänge (2000 & 1000)
 - Massiver Aluminiumkühlkörper im Black-Hairline-Design
 - Am Kühlkörper verschraubte Leistungstransistoren
 - Gekapselte Strom- und Lautsprecherklemmen
 - Gekapselte Potentiometer
 - Mosfet-Twin-Power-Supply (4500)
 - Mosfet Power Supply (4000, 2000, 1000)
 - Hochwertige verschraubte Leistungstransistoren (4500)
 - Brücken-/Tri-Mode-Betrieb (4500, 4000 & 2000)
 - 3fache Schutzschaltung (Kurzschluss, Gleichspannungs-Offset, Übertemperatur)
 - Betriebsanzeige (grüne LED) und Überlastanzeige (rote LED)
 - Fernbedienung für die Lautstärkeregelung (1000)
 - Niederimpedanz-Elkos im Netzteil (1000)
 - Stereo-/Mono-Schalter (2000)
 - Kanalmodus-Wahlschalter (4/3/2 CH) (4000)
- 4500:**
- Variable Tiefpass 40 – 400 Hz (12 dB/Oktave)
 - Variable Hochpass 40 – 400 Hz (12 dB/Oktave)
 - Variabler Bass Boost 0...12 dB bei 45 Hz
- 4000 & 2000:**
- Variabler Tiefpass 50 – 300 Hz (12 dB/Oktave)
 - Variabler Hochpass 40 – 400 Hz (12 dB/Oktave)
 - Variabler Bass Boost 0...12 dB bei 45 Hz
- 1000:**
- Variabler Tiefpass 40 – 300 Hz (12 dB/Oktave)
 - Variables Subsonicfilter 10 – 80 Hz (12 dB/Oktave)
 - Variabler Bass Boost 0...12 dB bei 45 Hz



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- 2 ohm stable
 - Low level pass trough RCA jacks (Channel 1 and 2 only) (4500 & 4000)
 - Low level RCA outputs (2000 & 1000)
 - Massive aluminium heatsink with black hairline design
 - Power transistors screwed to the heatsink
 - Encapsulated power and speaker connectors
 - Encapsulated potentiometers
 - Mosfet-Twin-Power-Supply (4500)
 - Mosfet Power Supply (4000, 2000, 1000)
 - Power transistors screwed to the heatsink (4500)
 - Bridge-/Tri-mode capability (4500, 4000 & 2000)
 - Protection circuit that safeguards against short circuits, DC-offset and overheating
 - Green operation and red protection indication LED
 - Volume remote control (1000)
 - Low impedance capacitors for the power supply (1000)
 - Stereo/Mono switch (2000)
 - Channel mode selector switch (4/3/2 CH) (4000)
- 4500:**
- Variable low pass filters 40 – 400 Hz (12 dB per octave)
 - Variable high pass filters 40 – 400 Hz (12 dB per octave)
 - Variable bass boost 0...12 dB at 45 Hz
- 4000 & 2000:**
- Variable low pass 50 – 300 Hz (12 dB per octave)
 - Variable high pass 40 – 400 Hz (12 dB per octave)
 - Variable bass boost 0...12 dB at 45 Hz
- 1000:**
- Variable low pass 40 – 300 Hz (12 dB per octave)
 - Variable subsonic filter 10 – 80 Hz (12 dB per octave)
 - Variable bass boost 0...12 dB at 45 Hz



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- Stabilité assurée jusqu'à 2 ohms
- Sorties à bas niveau pour le branchement d'amplificateurs supplémentaires (canal 1 et 2) (4500 & 4000)
- Sorties à bas niveau (2000 & 1000)
- Aluminium corps de refroidissement massif, black hairline finish
- Condensateurs électrolytiques fixés sur le corps de refroidissement par vis
- Connecteurs capsulés et dorés pour les haut-parleurs et l'énergie électrique
- Potentiomètres capsulés
- Mosfet-Twin-Power-Supply (4500)
- Mosfet Power Supply (4000, 2000, 1000)
- Transistors vissés sur le dissipateur thermique (4500)
- Mode pontage/tri-mode (4500, 4000 & 2000)
- Circuit électronique protégé contre les courts-circuits, les offsets de tension continue et les surcharges thermiques
- Indicateur de service (DEL verte) et indicateur de surcharge (DEL rouge)
- Télécommande pour le régulateur de volume (1000)
- Condensateurs à basse impédance pour l'alimentation (1000)
- Interrupteur Mono/Stéréo (2000)
- Channel mode selector switch (4/3/2 CH) (4000)

4500:

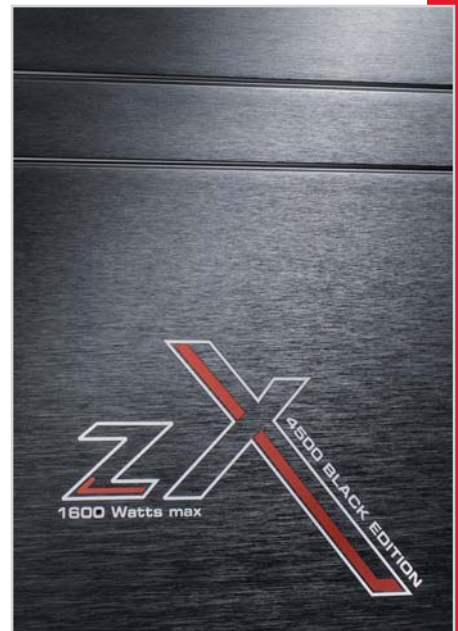
- Filtres passe-bas variables 40 – 400 Hz (12 dB par octave)
- Filtres passe-haut variables 40 – 400 Hz (12 dB par octave)
- Bass Boost variable 0...12 dB à 45 Hz

4000 & 2000:

- Filtres passe-bas variables 50 – 300 Hz (12 dB par octave)
- Filtres passe-haut variables 40 – 400 Hz (12 dB par octave)
- Bass Boost variable 0...12 dB à 45 Hz

1000:

- Filtre passe bas variable 40 – 300 Hz (12 dB par octave)
- Filtre subsonique variable 10 – 80 Hz (12 dB par octave)
- Bass Boost variable 0...12 dB à 45 Hz



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Max. Ausgangsleistung (Sinus Burst 2:8, 1 kHz) an 4 Ohm, 14,4 V Max. power output (sine burst 2:8, 1 kHz) into 4 ohms , 14.4V	4 x 250 / 2 x 800 W
Nennleistung (DIN 45 324) an 4 Ohm, 14,4 V RMS power output (DIN 45 324) into 4 ohms, 14.4V	4 x 125/2 x 300 W
Max. Ausgangsleistung (Sinus Burst 2:8, 1 kHz) an 2 Ohm, 14,4 V Max. power output (sine burst 2:8, 1 kHz) into 2 ohms, 14.4 V	4 x 300 W
Nennleistung (DIN 45 324) an 2 Ohm, 14,4 V RMS power output (DIN 45 324) into 2 ohms, 14.4V	4 x 150 W
Frequenzgang Frequency response	5 Hz – 50 kHz (-3 dB)
Klirrfaktor THD	< 0,05 % (1 kHz)
Geräuschspannungsabstand (A-Filter) Signal-to-noise ratio (A-weighted)	> 100 dB
Eingangsempfindlichkeit Input sensitivity	0.4 – 5 V
Eingangsimpedanz Input impedance	20 kOhm(s)
Stromversorgung Power supply	12 V minus an Masse 12 V negative ground
Abmessungen (B x H x T) Dimensions (W x H x D)	435 x 55 x 290 mm
Gewicht Weight	5.2 kg

ZX 4000 BLACK EDITION

AMPLIFIERS

Max. Ausgangsleistung (Sinus Burst 2:8, 1 kHz) an 4 Ohm, 14,4 V Max. power output (sine burst 2:8, 1 kHz) into 4 ohms , 14.4V	4 x 200 / 2 x 600 W
Nennleistung (DIN 45 324) an 4 Ohm, 14,4 V RMS power output (DIN 45 324) into 4 ohms, 14.4V	4 x 100/2 x 280 W
Max. Ausgangsleistung (Sinus Burst 2:8, 1 kHz) an 2 Ohm, 14,4 V Max. power output (sine burst 2:8, 1 kHz) into 2 ohms, 14.4 V	4 x 240 W
Nennleistung (DIN 45 324) an 2 Ohm, 14,4 V RMS power output (DIN 45 324) into 2 ohms, 14.4V	4 x 120 W
Frequenzgang Frequency response	5 Hz – 50 kHz (-3 dB)
Klirrfaktor THD	< 0,05 % (1 kHz)
Geräuschspannungsabstand (A-Filter) Signal-to-noise ratio (A-weighted)	> 100 dB
Eingangsempfindlichkeit Input sensitivity	0.4 – 5 V
Eingangsimpedanz Input impedance	20 kOhm(s)
Stromversorgung Power supply	12 V minus an Masse 12 V negative ground
Abmessungen (B x H x T) Dimensions (W x H x D)	356 x 55 x 290 mm
Gewicht Weight	4.1 kg

ZX 2000 BLACK EDITION

AMPLIFIERS

Max. Ausgangsleistung (Sinus Burst 2:8, 1 kHz) an 4 Ohm, 14,4 V Max. power output (sine burst 2:8, 1 kHz) into 4 ohms , 14.4V	2 x 220 / 1 x 750 W
Nennleistung (DIN 45 324) an 4 Ohm, 14,4 V RMS power output (DIN 45 324) into 4 ohms, 14.4V	2 x 100/1 x 280 W
Max. Ausgangsleistung (Sinus Burst 2:8, 1 kHz) an 2 Ohm, 14,4 V Max. power output (sine burst 2:8, 1 kHz) into 2 ohms, 14.4 V	2 x 280 W
Nennleistung (DIN 45 324) an 2 Ohm, 14,4 V RMS power output (DIN 45 324) into 2 ohms, 14.4V	2 x 140 W
Frequenzgang Frequency response	5 Hz – 50 kHz (-3 dB)
Klirrfaktor THD	< 0,05 % (1 kHz)
Geräuschspannungsabstand (A-Filter) Signal-to-noise ratio (A-weighted)	> 100 dB
Eingangsempfindlichkeit Input sensitivity	0.4 – 5 V
Eingangsimpedanz Input impedance	20 kOhm(s)
Stromversorgung Power supply	12 V minus an Masse 12 V negative ground
Abmessungen (B x H x T) Dimensions (W x H x D)	252 x 55 x 290 mm
Gewicht Weight	3.0 kg

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Max. Ausgangsleistung (Sinus Burst 2:8, 1 kHz) an 4 Ohm, 14,4 V Max. power output (sine burst 2:8, 1 kHz) into 4 ohms , 14.4V	1100 W
Nennleistung (DIN 45 324) an 4 Ohm, 14,4 V RMS power output (DIN 45 324) into 4 ohms, 14.4V	375 W
Max. Ausgangsleistung (Sinus Burst 2:8, 1 kHz) an 2 Ohm, 14,4 V Max. power output (sine burst 2:8, 1 kHz) into 2 ohms, 14.4 V	1600 W
Nennleistung (DIN 45 324) an 2 Ohm, 14,4 V RMS power output (DIN 45 324) into 2 ohms, 14.4V	500 W
Frequenzgang Frequency response	5 Hz – 50 kHz (-3 dB)
Klirrfaktor THD	< 0,05 % (1 kHz)
Geräuschspannungsabstand (A-Filter) Signal-to-noise ratio (A-weighted)	> 100 dB
Eingangsempfindlichkeit Input sensitivity	0.4 – 5 V
Eingangsimpedanz Input impedance	20 kOhm(s)
Stromversorgung Power supply	12 V minus an Masse 12 V negative ground
Abmessungen (B x H x T) Dimensions (W x H x D)	373 x 55 x 290 mm
Gewicht Weight	4.5 kg