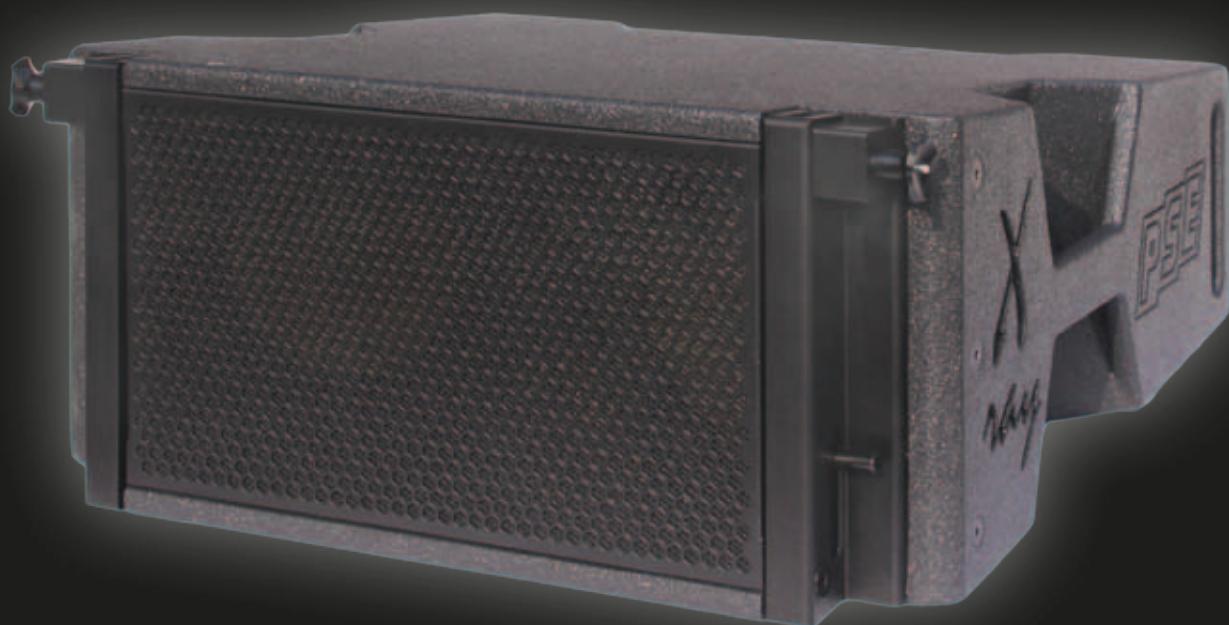


X-ray
8

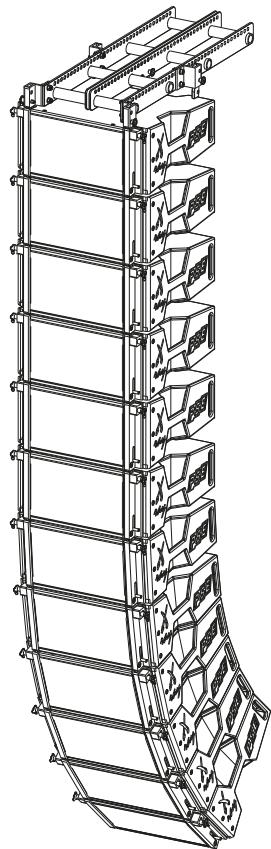
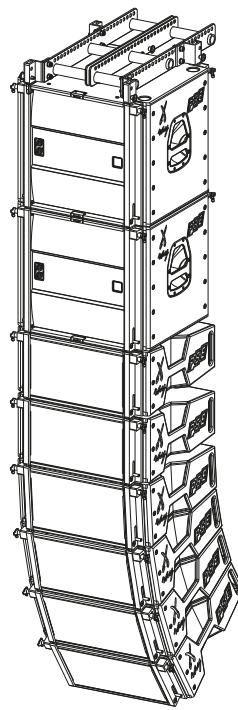
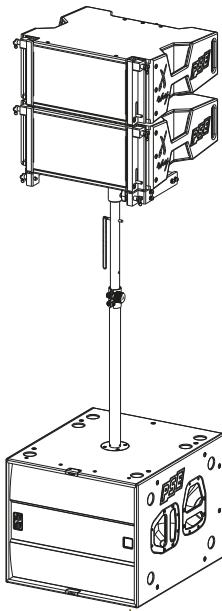


www.pse-audio.com



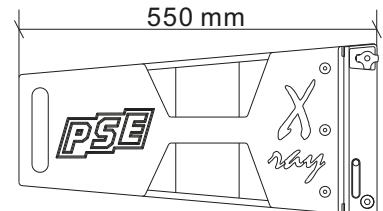
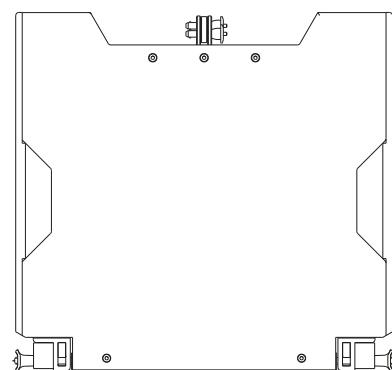
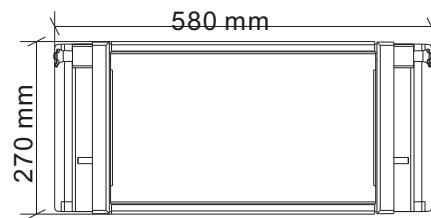
X-ray 8 Line Array

2x8"+2.5"VC 1.4" HF throat passive



Features X-ray8

2x8" neodymium speaker (2.5"voice coil)
 1x2.5"(63mm) VC Neodymium Druckkammertreiber
 1,4" Halsöffnung
 1,4" planar wave guide
 nominale wave guide Abstrahlung H110°/V10°
 konstante Hornabstrahlcharakteristik
 passive Weiche
 Curvingwinkel 0°-10° in 1° Stufen
 3-Punkt Rigging System
 2 Neutrik speakon 4-pin
 Signal link Funktion
 Frontgrill aus pulverbeschichtetem Lochblech
 4mm Akustikschaumstoff hinter dem Frontgrill
 Gehäuse aus 15mm und 18mm Multiplex
 Oberfläche: polyurea (PU) schwarz,
 hoch kratzfeste Strukturbeschichtung
 optional traditioneller Strukturlack
 in schwarz oder weiß



| technische Daten | specification | X-ray 8 |
|---|---------------------------------------|----------------|
| Nennimpedanz (optional) | rated impedance (optional) | 16Ω (8Ω) |
| Betriebsmodus | operation mode | passiv/passive |
| Belastbarkeit AES/peak* | power handling capacity AES/peak* | 600W / 1800W* |
| nutzbarer Frequenzbereich** | available frequency response** | 55Hz-20kHz |
| maximaler Schalldruckpegel*** | max. sound pressure level*** | 139dB |
| nominale Abstrahlcharakteristik h/v**** | directivity (h x v) | 110°/10° |
| Mitteltonlautsprecher Nenngroße | midrange-transducer rated size | 2x8" |
| Lautsprecher Schwingspule Ø | midrange-transducer voice coil Ø | 2.5" (64mm) |
| Lautsprecher Magnetmaterial | LF-transducer magnet structure | neodymium |
| Lautsprecher Membranmaterial | LF-transducer cone material | Kevlar® |
| HF-Treiber Nenngroße (Schwingspule) | HF-compression driver rated size (VC) | 2.5" (63mm) |
| HF-Treiber Nenngroße (Halsöffnung) | HF-compression throat diameter | 1.4" |
| HF-Treiber Magnetmaterial | HF-compression magnet structure | neodymium |
| Gehäusemaße B/H/T in mm | dimension w/h/d in mm | 580/268/550 |
| Gewicht | weight | 25kg |

* peak 10ms, with TD-8000 amplifier and X-ray8 max controller setup

** -10dB with X-ray8 FR controller setup

***1m free field, pink noise, crest factor 10dB, with TD-8000 and X-ray8 SPL controller setup

****system vertical directivity depends on quantity and curving of X-ray8 cabinets

NOTE: Kevlar is a trade mark of DuPont for para-aramid synthetic fiber



Die X-ray 8 ist eine High End Line Array Lautsprecherbox die durch ihr einzigartiges wie überaus praktisches und zukunftsweisendes Design, Zuverlässigkeit, Verarbeitungsqualität, Robustheit und im Besonderen durch ihre Soundperformance besticht. In Zusammenarbeit mit einem namhaften Lautsprecherhersteller wurden speziell für das X-ray 8 Projekt, leistungsstarke auf technologisch neuestem Stand und höchstem Niveau stehende Lautsprecherkomponenten entwickelt, wie sie derzeit nicht im Standardlieferprogramm der bekannten Lautsprecherhersteller verfügbar sind. Die 8" Mitteltonlautsprecher haben ein Kevlar® Membran. Der essenzielle Vorteil gegenüber herkömmlichen Pappe als Membranmaterial liegt in der absoluten konstanten Materialbeschaffenheit von Kevlar®, keine Alterungs- oder Materialmüdungsscheinungen, höhere Stabilität, unempfindlich gegen hohe Luftfeuchtigkeit und immer gleichbleibende sehr gute verzerrungsfreie Klangqualität auch bei hohem Schalldruck. Als magnetischer Antrieb dient eine Multizellen Neodymiummagnetanordnung wodurch das Gewicht minimiert und der magnetische Antrieb maximiert wird. Eine 2,5" Schwingspule sorgt für die notwendige Belastbarkeit und hohe Sensitivität. Der Hochontreiber ist ebenfalls mit Neodymiummagneten ausgestattet und hat ein reines Titandiaphragma was eine brillante Höhenwiedergabe garantiert. Die Verbindungsmechanik ist selbstverständlich ebenso einzigartig wie durchdacht, sie ist vollkommen in der Box integriert und setzt dabei in Dimensionierung und Stabilität neue Maßstäbe. Das Gehäuse an sich sowie die Griffanordnung ist sehr praktisch und lässt keine Wünsche offen. Das durchgehend kompromisslose Produktdesign der X-ray 8 in Bezug auf Qualität, Praxistauglichkeit und dem Anspruch dem Beste vom Besten gerecht zu werden wird durch die passive Weiche abgerundet.

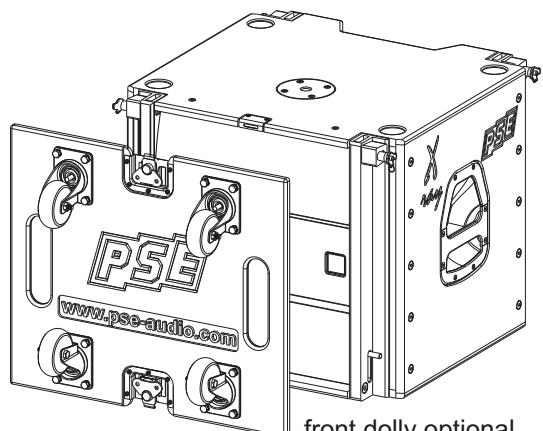
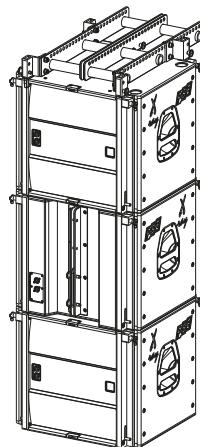
Für den Road Einsatz ganz besonders wichtig ist eine strapazierfähige Lackierung, die X-ray 8 ist in der Standardausführung mit hochkratzfestem schwarzen PU (polyurea) beschichtet, der strapazierfähigsten Beschichtung in der weltweiten Lautsprecherboxenindustrie, auf Sonderwünsch sind die Boxen auch mit anderen Lackierungen und in Farben erhältlich. Als Line Array calculator steht EASE Focus zur Verfügung. Die X-ray 8 Line Array Lautsprecherbox erfüllt höchste Ansprüche an Verarbeitung, Zuverlässigkeit, Design, Handling und ganz wichtig Soundqualität.

The X-ray 8 is a high end Line Array speaker cabinet stunning with the unique functional and pioneering design, reliability, manufacturing quality, robustness and especially brilliant sound performance. The speaker components are complete newly developed in cooperation with a worldwide well known speaker manufacturer. The newly specially designed powerful components are representing the latest state of the art of speaker technology. Such kind of high tech speakers are not available in the standard product range of the well known speaker manufacturers. The cone of the 8" transducer is made of Kevlar. The innovative Kevlar cone provides a lot of advantages compared with traditional paper cone. The nature and structure of Kevlar material are 100% constant without aging phenomenon or material fatigue. The Kevlar material enjoys a famous reputation for its gorgeous stability, tearing resistance, as well as hard-wearing against high humidity. The sound is constant without any distortion even at high sound pressure. For a high power magnetic force the speakers are equipped with a multi cellular neodymium magnet structure. With this technology the magnetic force is optimized and the weight is minimized. A 2.5" voice coil ensures a high power handling capacity and a high sensitivity as well. The high frequency compression driver also adopt neodymium magnet and is equipped with a pure titanium diaphragm to guarantee brilliant and clear sound. Needless to say the complete design including the integrated rigging system is absolutely unique and sophisticated. The rigging system also sets new standards of dimension and stability to such kind of Line Array category the X-ray 8 is. The housing, the structure, as well as the trendsetting handle make the X-ray 8 easy to handle. In addition with the professional passive crossover network, the X-ray 8 complex is at the cutting edge of global speaker cabinet technology. A durable varnishing is essential for touring purpose of speaker cabinets. The standard version of the X-ray 8 is coated with black pure PU (polyurea), the most heavy-duty and durable coating in the worldwide speaker cabinet industry. At special request, the other varnishing and colors are available as well. The EASE Focus Line Array calculator is available with X-ray 8. The X-ray 8 fulfills the highest expectations on workmanship, reliability, robustness, handling design, and last but not least perfect sound quality!



X-ray sub

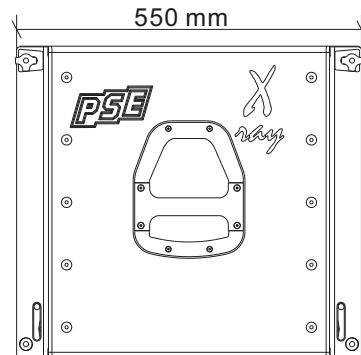
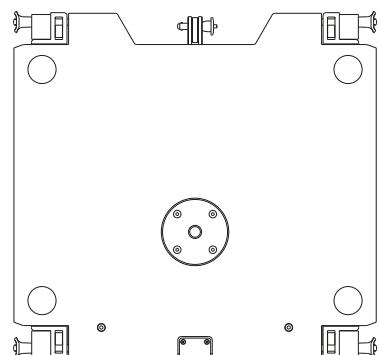
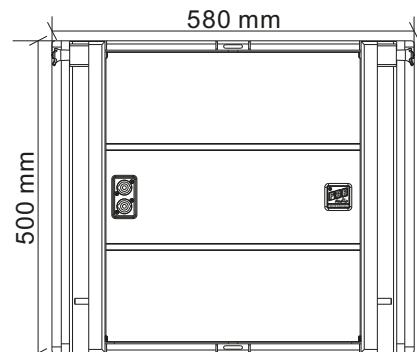
low-mid extension



Der X-ray sub ist die Erweiterungsbox für den Low-Midbereich des X-ray 8 Line Arrays. Der X-ray sub ist mit einer kompatiblen Flughardware zum X-ray 8 ausgestattet. Zusätzlich verfügt er über zwei gespiegelte Frontverbindungs-schienen an der Rückseite was es ermöglicht den Bass 180° gedreht für Cardioidanwendungen nach hinten zu fliegen und zu stacken. Für die Cardioidanwendung verfügt der X-ray sub über zwei zusätzliche 4-pol. Speakon-anschlüsse an der Front. Wie die X-ray 8 auch ist der X-ray sub mit einem neu entwickelten Lautsprecher mit Kevlar®-Membran bestückt. Die Vorteile dieses para-aramiden Synthetikfasermaterials als Lautsprechermaterial wurden schon bei der X-ray 8 ausführlich erläutert. Der X-ray sub kann auch wenn er mal nicht in Verbindung mit dem X-ray 8 Line Array benötigt wird als kleiner leistungsfähiger Bass zusammen mit herkömmlichen Tops eingesetzt werden. Im Deckel ist ein M20 Flansch für ein Hochständerrohr serienmäßig verfügbar.



The X-ray sub is the low-mid extension for the X-ray 8 Line Array. The X-ray sub is equipped with a compatible flying hardware to X-ray 8. Additional to the two front hanging rails the X-ray sub has another two mirrored hanging rails on the rear side. This provides the option to hang or stack the X-ray subs in the module of forward and 180° inverse backward for cardioid applications. The two parallel 4-pin speakon sockets on the front fulfill the easy connection for cardioid purpose. Unified with the X-ray 8, the X-ray sub adopts a newly developed Kevlar™ cone transducer as well. The advantage of Kevlar™ cone, a paramid synthetic fiber material, is referred in detail in the DM of the X-ray 8. The high tech 15" transducer is designed with neodymium magnet to minimize the weight. The X-ray sub can also be used as a compact powerful subwoofer together with regular satellite speaker cabinets. As a woofer of satellite system it is equipped with a M20 pole mount plate.



| | technische Daten | | specification | X-ray sub |
|-------------------------------|-------------------------|-----------------------------------|----------------------|------------------|
| Nennimpedanz (optional) | | rated impedance (optional) | 8Ω (16Ω) | |
| Belastbarkeit | | power handling capacity AES/peak* | 1000W / 3000W* | |
| nutzbarer Frequenzbereich** | | available frequency response** | 38Hz-250Hz | |
| maximaler Schalldruckpegel*** | | max. sound pressure level*** | 132dB | |
| Lautsprecher Nenngröße | | transducer rated size | 15" | |
| Lautsprecher Schwingspule Ø | | midrange-transducer voice coil Ø | 4" (100mm) | |
| Lautsprecher Magnetmaterial | | transducer magnet structure | neodymium | |
| Lautsprecher Membranmaterial | | transducer cone material | Kevlar® | |
| Gehäusemaße B/H/T in mm | | dimension w/h/d in mm | 580/500/550 | |
| Gewicht | | weight | 37,5kg | |

* peak 10ms, with TD-8000 amplifier and X-ray sub max controller setup

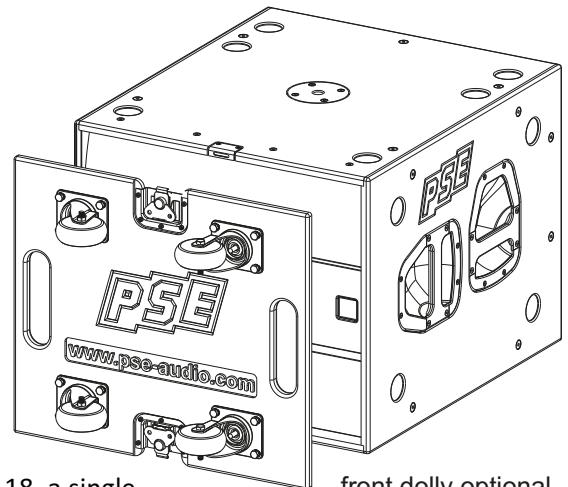
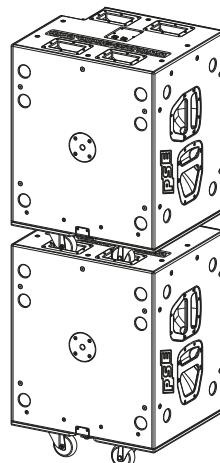
** -10dB with X-ray sub FR controller setup

***1m free field, pink noise, crest factor 10dB, with TD-8000 and X-ray sub SPL controller setup

NOTE: Kevlar is a trade mark of DuPont for para-aramid synthetic fiber

LB-118

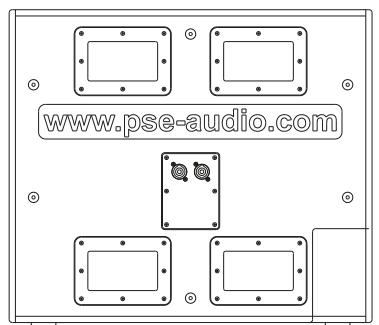
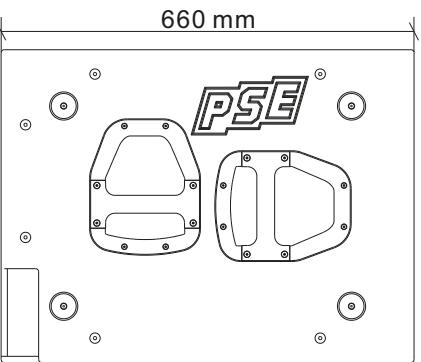
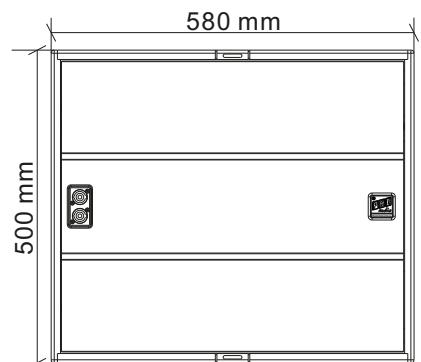
subwoofer



front dolly optional

Die LB-118 ist eine extrem kompakte und leichte Bassbox mit enormen Leistungs- potential, sie hat eine sehr präzise und dynamische Basswiedergabe mit hohem Schalldruck. Der speziell entwickelte Lautsprecher hat ein Karbon Fiber Membran fiber cone. The carbon fiber cone has trail- was entscheidende Vorteile gegenüber herkömmlichen Papier als Membran- material hat. Es ist verwindungssteifer und die Materialbeschaffenheit ist absolut unempfindlich gegenüber Umwelteinflüssen. Die Schwingspule mit Durchmesser garantiert sehr hohe Belastbarkeit und der verwindungsfreie Gleichlauf speziell bei großer Auslenkung, reißfest, fiber is stable, anti-entangling even by maximum displacement, tear-resistant, impermeable to high air moisture due to its steady konstant. Die Schwingspule wird durch einen doppelten Magnet des Transducers mit einer Zentrierung gewährleistet. Die Multizellen- neodymiummagnetanordnung sorgt für maximalen Antrieb und niedriges Gewicht. Um die LB-118 so anwenderfreundlich und flexibel wie nur irgend möglich zu machen verfügt sie über viele Features wie, nutzbarer Frequenzbereich, maximaler Schalldruckpegel, Lautsprecher Nenngröße, Lautsprecher Schwingspule Ø, Lautsprecher Magnetmaterial, Lautsprecher Membranmaterial, Gehäusemaße B/H/T in mm und Gewicht.

Compact and light weighted LB-118, a single 18" subwoofer, is stanch with enormous power and extremely high dynamic sound performance. The elaborately developed transducer adopts the exquisite carbon fiber cone. The carbon fiber cone has trail- used paper ones in terms of material characteristics and physical function. Carbon fiber is stable, anti-entangling even by maximum displacement, tear-resistant, impermeable to high air moisture due to its steady state. The voice coil has a big diameter of 6" (125mm), to guarantee the higher power handling capacity & SPL. The multi-cellular neodymium magnet technology. With this structure the transducer provides a huge magnetic force at minimum weight. Considering the most convenient and flexible operation on site, LB-118 provides a lot of useful features like cardioid application, cardioidfahig, Rollenschalen in der Rückwand, zusätzliche verdeckte Anschluss- möglichkeit an der Rückseite, M8 Montage- und einem M20 Flansch im Deckel.



| technische Daten | specification | LB-118 |
|-------------------------------|-----------------------------------|----------------|
| Nennimpedanz (optional) | rated impedance (optional) | 8Ω (16Ω) |
| Belastbarkeit | power handling capacity AES/peak* | 1500W / 4500W* |
| nutzbarer Frequenzbereich** | available frequency response** | 35Hz-200Hz |
| maximaler Schalldruckpegel*** | max. sound pressure level*** | 137dB |
| Lautsprecher Nenngröße | transducer rated size | 18" |
| Lautsprecher Schwingspule Ø | midrange-transducer voice coil Ø | 5" (125mm) |
| Lautsprecher Magnetmaterial | transducer magnet structure | neodymium |
| Lautsprecher Membranmaterial | transducer cone material | carbon fiber |
| Gehäusemaße B/H/T in mm | dimension w/h/d in mm | 580/500/660 |
| Gewicht | weight | 38kg |

* peak 10ms, with TD-8000 amplifier and LB-118 max controller setup

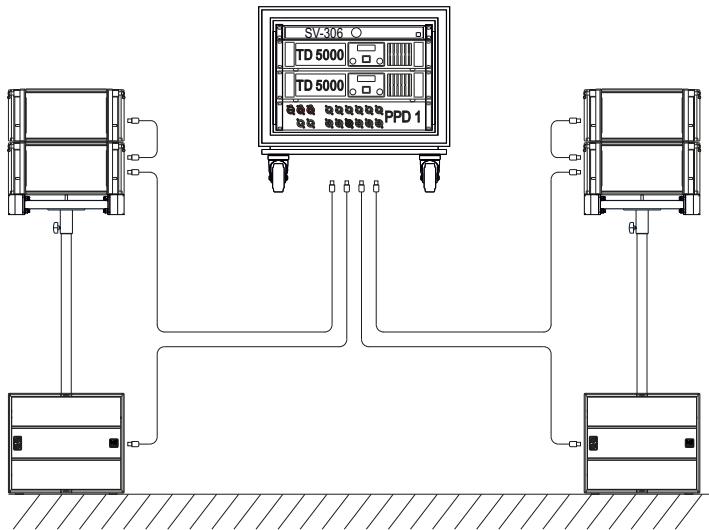
** -10dB with LB-118 FR controller setup

***1m free field, pink noise, crest factor 10dB, with TD-8000 and LB-118 SPL controller setup

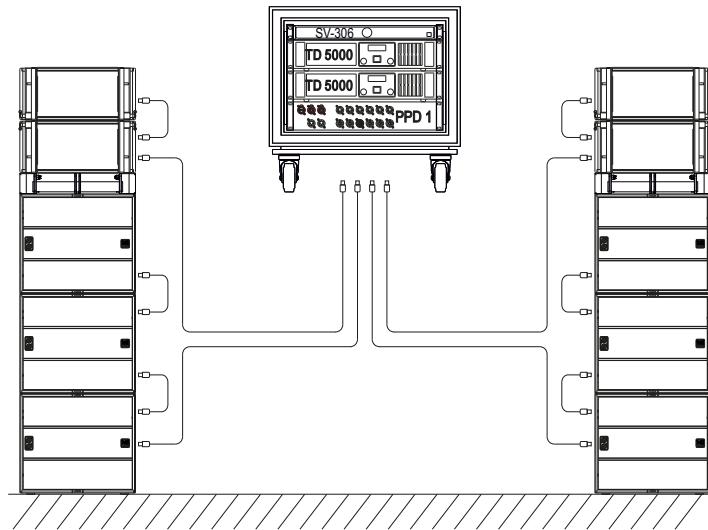
X-ray 8

configuration examples

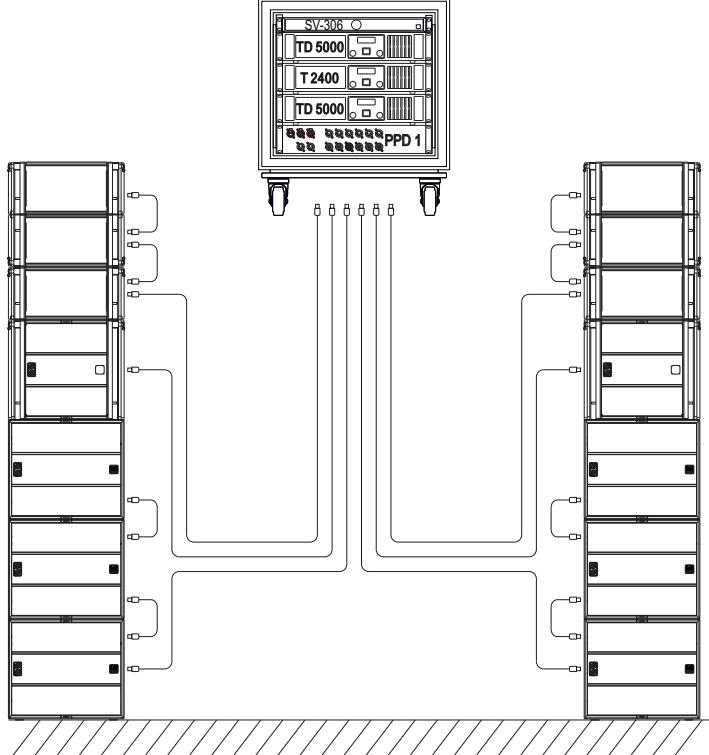
configuration A



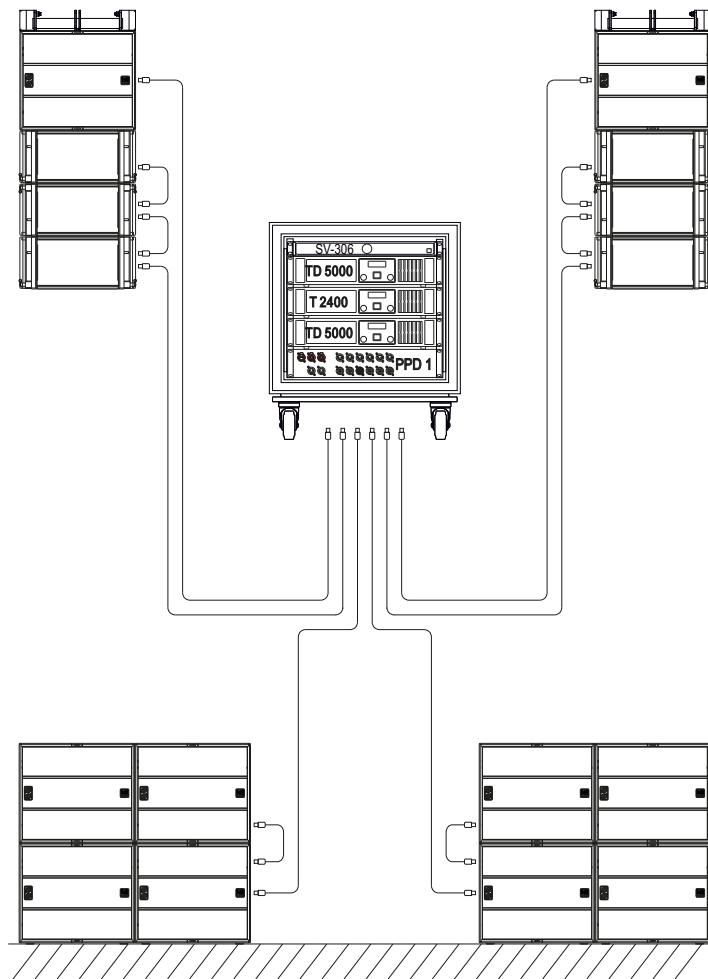
configuration B



configuration C

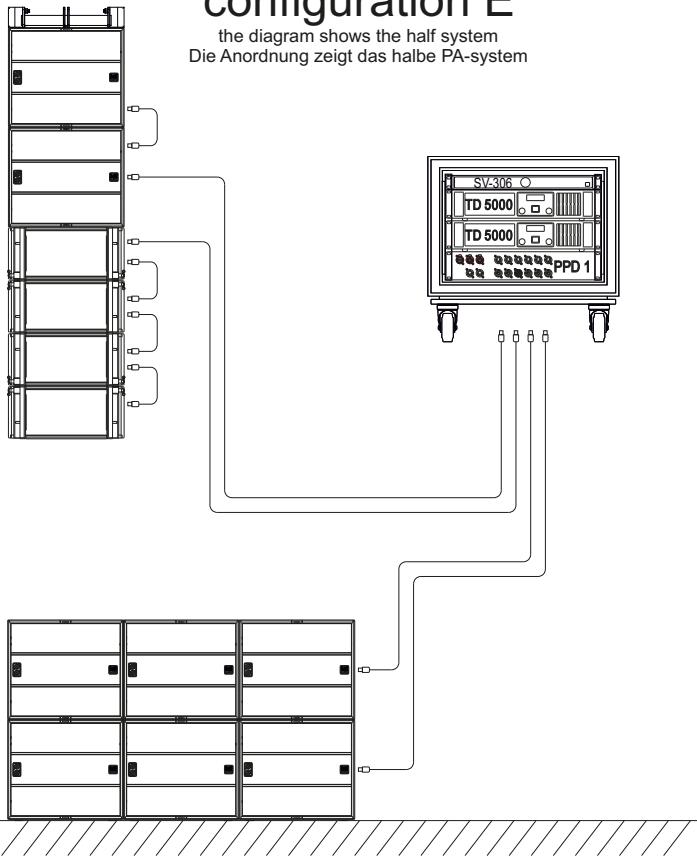


configuration D



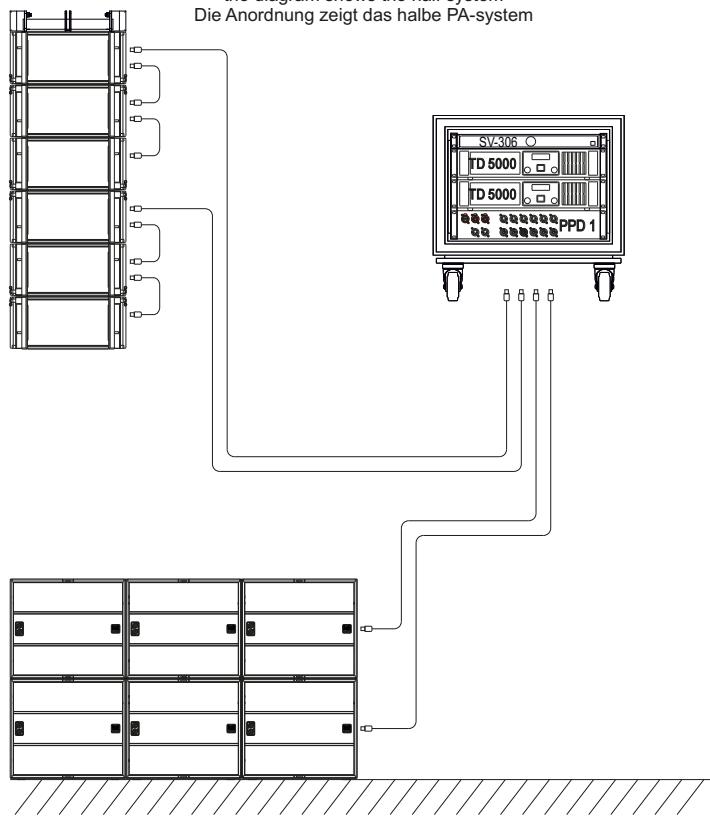
configuration E

the diagram shows the half system
Die Anordnung zeigt das halbe PA-system



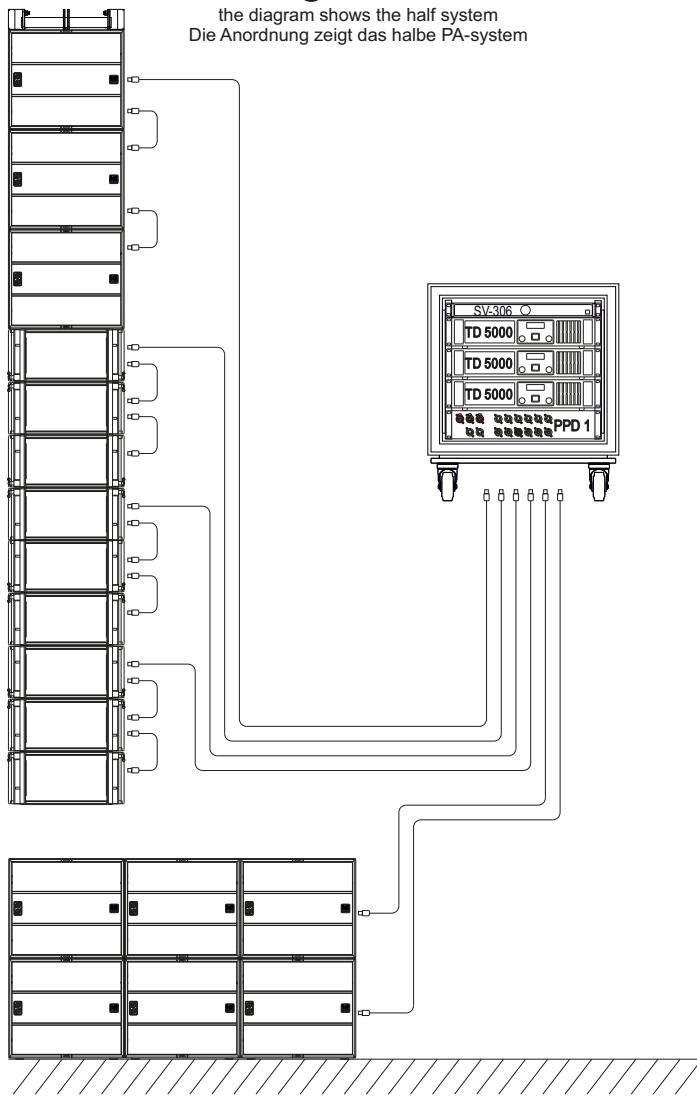
configuration F

the diagram shows the half system
Die Anordnung zeigt das halbe PA-system



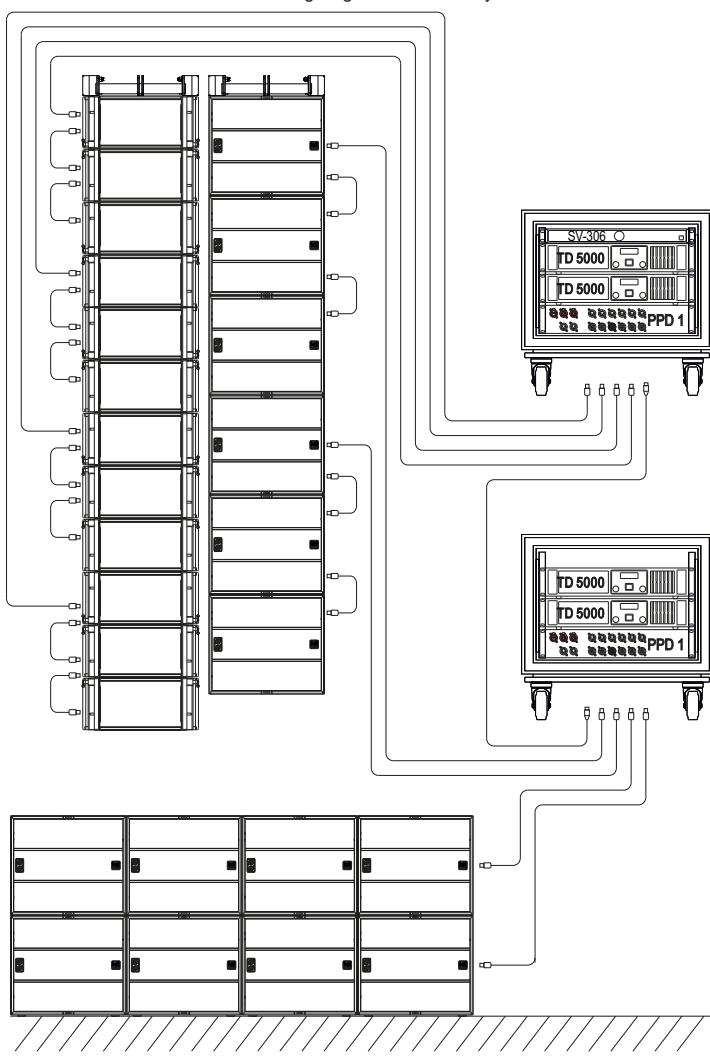
configuration G

the diagram shows the half system
Die Anordnung zeigt das halbe PA-system



configuration H

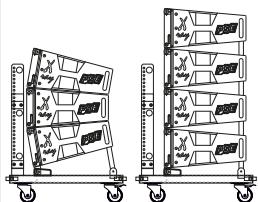
the diagram shows the half system
Die Anordnung zeigt das halbe PA-system



Zubehör accessories

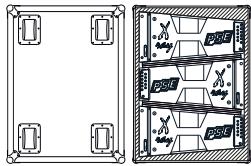
X-ray 8

touring cart
X-ray 8
ZAMT025

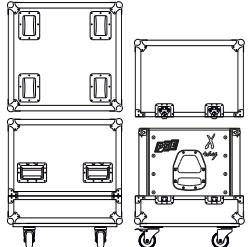
 to carry assembled
X-ray 8 arrays

touring case

3 pc. X-ray 8

upright

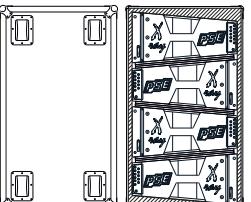
ZCX8012

touring case

1 pc. X-ray sub

ZCX8001

touring case

4 pc. X-ray 8

upright

ZCX8013

bags X-ray 8
ZB00020

to protect 1 X-ray 8

ZB00021

to protect 3 units

X-ray 8 (trolley carry)

ZB00022

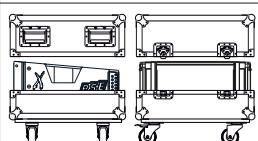
to protect 4 units

X-ray 8 (trolley carry)


touring case

1 pc. X-ray 8

horizontal

ZCX8006

front cover

with caster

ZSCXRS01

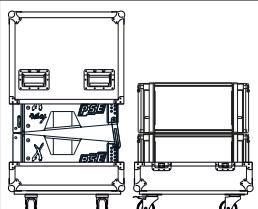
without caster

ZSCXRS00

touring case

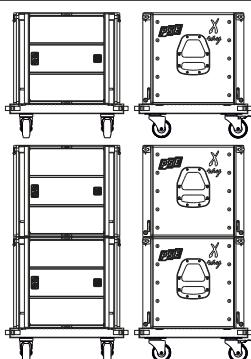
2 pc. X-ray 8

horizontal

ZCX8007

touring cart
ZAMT026

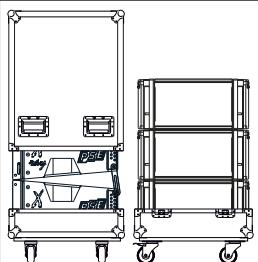
platform space

for 1 X-ray sub


touring case

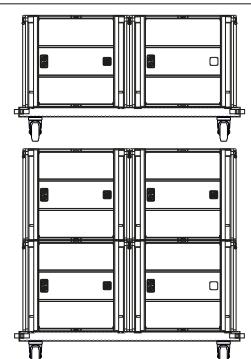
3 pc. X-ray 8

horizontal

ZCX8008

touring cart
ZAMT027

platform space

for 2 X-ray sub


bag X-ray sub
ZB00030

to protect 1 X-ray sub

with front caster board

bags X-ray sub

to protect X-ray subs on touring carts

ZB00031

to protect 1 X-ray sub

ZB00032

to protect 2 X-ray sub

vertical stack

ZB00033

to protect 2 X-ray sub

horizontal cluster

ZB00034

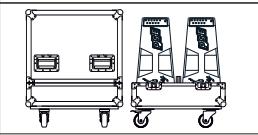
to protect 4 X-ray sub

2x2 cluster


touring case

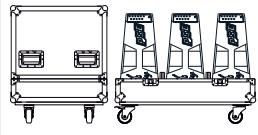
2 pc. X-ray 8

face down

ZCX8010

touring case

3 pc. X-ray 8

face down

ZCX8011


LB-118

front cover

with caster

ZSCB11801

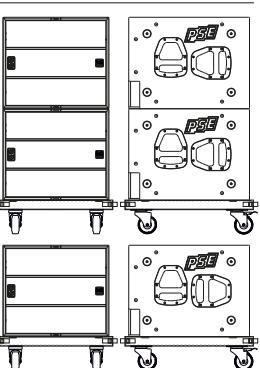
without caster

ZSCB11800

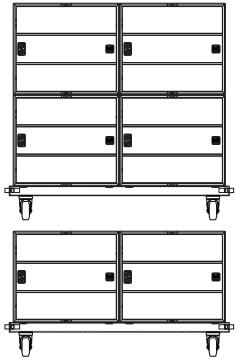
touring cart
ZAMT028

platform space

for 1 LB-118



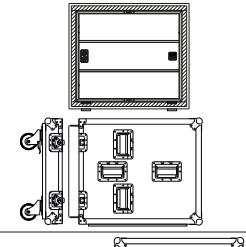
touring cart
ZAMT029
platform space
for 2 LB-118



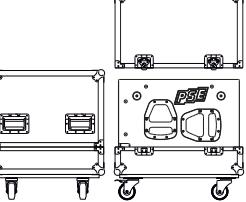
bag LB-118
ZB00040
to protect 1 LB-118
with front caster board
bags LB-118
to protect LB-118
on touring carts
ZB00041
to protect 1 LB-118
ZB00042
to protect 2 LB-118
vertical stack
ZB00043
to protect 2 LB-118
horizontal cluster
ZB00044
to protect 4 LB-118
2x2 cluster



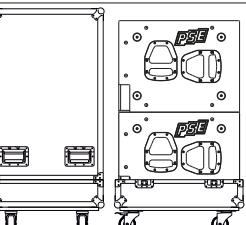
touring case
1 pc. LB-118
ZCLB1180
cabinet can be used
inside the case, the
position of the speaker
connecting panel has
a door to provide the
connection possibility



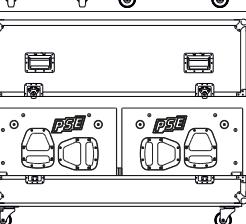
touring case
1 pc. LB-118
ZCLB1181



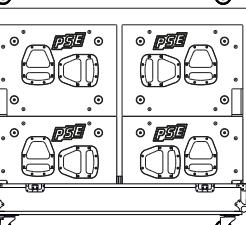
touring case
2 pcs. LB-118
vertical
ZCLB1182



touring case
2 pcs. LB-118
horizontal
ZCLB1183



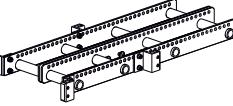
touring case
4 pcs. LB-118
ZCLB1184



rigging

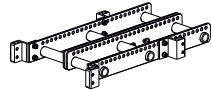
flying frame XL
ZLAH153

L: 1041 mm for very
big size X-ray 8 arrays
or X-ray 8 sub arrays



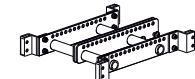
flying frame L
ZLAH152

L: 751mm for large
size X-ray 8 arrays or
X-ray 8 sub arrays



flying frame M
ZLAH151

L: 550mm for medium
size X-ray 8 arrays or
X-ray 8 sub arrays



light frame

ZLAH150

for small size X-ray 8
arrays and X-ray sub
or pole mount of
X-ray 8



load adapter
type A1 (slot)

ZLAH033

for multi point rigging
on the steel panels left
and right of the frame



load adapter
type B1 (tongue)

ZLAH034

for one point rigging
in the center of the
frame



load adapter

type C

ZLAH037

for light frame only



tripod adapter

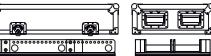
ZLAH050

for light frame only



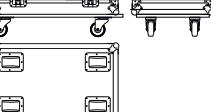
case flying frame

for 2 pcs. flying frame



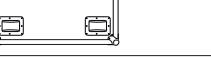
ZCX8000

for M-size frames



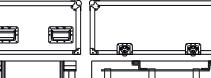
ZCX8001

for L-size frames



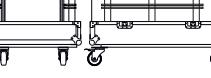
ZCX-8002

for XL-size frames



ZCX8003

for M-size frames



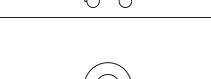
ZCX8004

for L-size frames



ZCX-8005

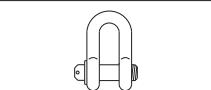
for XL-size frames



shackle 1t (11mm)

ZAMT205

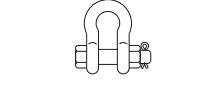
screw bolt



shackle 1t (11mm)

ZAMT208

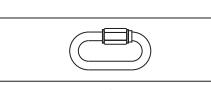
with nut and splint



shackle 2t (16mm)

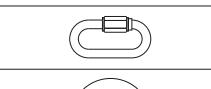
ZAMT210

with nut and splint



chain link 8mm

ZAMT320



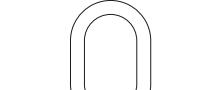
oval rigging link

2.1t (16mm)

inner diameter:

60mm x 110mm

ZAMT305



nylon loops

with steel rope inlay
2000kg load capacity
without additional
safety needed:
850kg load capacity

I: 0.5m

ZLAH200

I: 1m

ZLAH201

I: 1.5m

ZLAH202

I: 2m

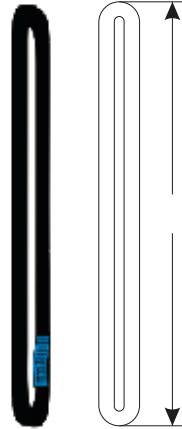
ZLAH203

I: 2.5m

ZLAH204

I: 3m

ZLAH205



cable

speaker cable

speakon-speakon 2x4²

I: 0,5m

ZK4240BX01

I: 0,8m

ZK4240BX04

I: 5m

ZK4240BX09

I: 8m

ZK4240BX10

I: 10m

ZK4240BX11

I: 15m

ZK4240BX13

I: 20m

ZK4240BX14

I: 25m

ZK4240BX15

I: 30m

ZK4240BX16

other cable type, other
length and cable by
the meter on request



signal and patch cable

XLR-XLR black cable

I: 0,3m

ZKSGXLRB01

I: 0,5m

ZKSGXLRB02

I: 0,8m

ZKSGXLRB03

I: 1m

ZKSGXLRB04

I: 2,5m

ZKSGXLRB05

I: 5m

ZKSGXLRB06

I: 10m

ZKSGXLRB07

I: 15m

ZKSGXLRB08

I: 20m

ZKSGXLRB09

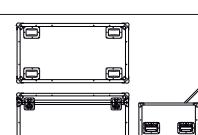
other cable type, other
length and cable by
the meter on request



cases for cables and accessories

customized cases:

design, shape and
color on demand



Falls Sie Ihr gewünschtes Zubehör hier nicht finden,
lassen Sie uns das bitte wissen. Wir werden uns
bemühen Ihren Anforderungen gerecht zu werden
und das gewünschte zu Teil beschaffen oder ein
vorhandenes entsprechend zu modifizieren.

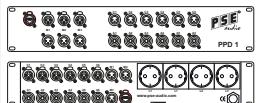


If you can't find your desired product please let us
now. We will do our best to fulfill your requirement



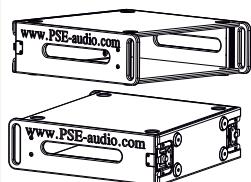
Zubehör accessories

PPD 1
connecting and
patch box
ZE1900001



rack modules

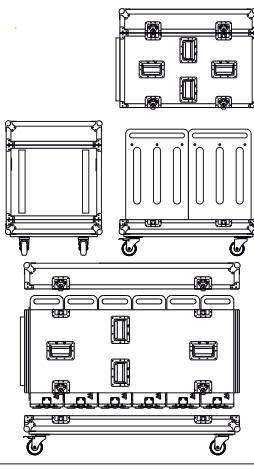
2RU
ZCRM02HE
3RU
ZCRM03HE
4RU
ZCRM04HE
5RU
ZCRM05HE
6RU
ZCRM06HE
8RU
ZCRM08HE
10RU
ZCRM10HE
12RU
ZCRM12HE
14RU
ZCRM14HE
16RU
ZCRM16HE
18RU
ZCRM18HE



touring case rack modules

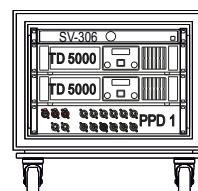
variations accordingly
to the requested height
are available
ZCSPZRMxx

19" touring racks
variations accordingly
to the requested height
are available
ZCRPxHE



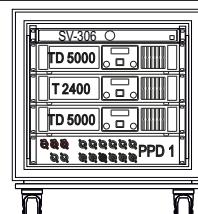
touring amp rack type D

ZETRX000
ready for plug and play
1 x SV-306 controller
2 x TD-5000 amplifier
1 x PPD 1



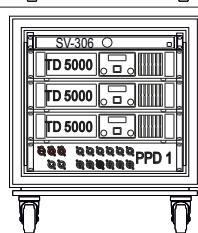
touring amp rack type E

ZETRX001
ready for plug and play
1 x SV-306 controller
2 x TD-5000 amplifier
1 x T-2400 amplifier
1 x PPD 1



touring amp rack type F

ZETRX002
ready for plug and play
1 x SV-306 controller
3 x TD-5000 amplifier
1 x PPD 1



DSP controller



Hauptmerkmale

- 96kHz Samplerrate
- 32 Bit Datenverarbeitung
- 24 Bit A/D und D/A Wandler
- Netzwerkfähig über RS 485
- 250 Controller in einem Netzwerk möglich
- maximale Delayzeit 1000ms
- 30 interne frei speicherbare Presets
- unbegrenzte Preset Bibliothek über PC
- fortschrittliche u. praxisorientierte Software
- selbsterklärende und einfache Menüführung
- Paßwortschutzfunktion
- 2 x RJ-45 Netzwerkbuchsen (rückseitig)
- USB Buchse (frontseitig)
- optional WIFI Konverter WT-1 verfügbar
- optional RS 485 Konverter IF-485 verfügbar



SV-204 >>> 2 in - 4 out

SV-306 >>> 3 in - 6 out

SV-408 >>> 4 in - 8 out

key features

- 96kHz sampling ratio
- 32 bit processing
- 24 bit A/D and D/A converter
- network compatible RS 485
- up to 250 controllers in one network
- delay time adjustable up to 1000ms
- 30 internal presets
- unlimited preset library on PC
- advanced and convenient PC software
- self-explaining simple menu guidance
- password lock function available
- network socket 2 x RJ-45 (rear panel)
- USB socket (front panel)
- optional WIFI converter WT-1 available
- optional RS 485 converter IF-485 available

Verstärker amplifier



TD-Serie

Hauptmerkmale

- TD-Verstärkertechnologie
- Schaltnetzteil
- stabile und konstante PFC
- hocheffiziente energiesparende Bauart
- bis zu 90% Wirkungsgrad
- interner peak Limiter
- interner RMS Limiter
- Ethernet netzwerkfähig
- Netzwerkbuchse 2 x Neutrik RJ-45
- Ausgang 2 x Neutrik 4 polig
- Powercon Netzbuchse
- 3 Lüfter für beste Kühlleigenschaften
- geschwindigkeitsgeregelte extra leise Lüfter
- einfache Filterschaumreinigung

TD-series key features

- TD-amplifier electronic circuit
- switch mode power supply
- stable and constant PFC
- high efficiency energy saving design
- up to 90% overall efficiency AC-in to output
- internal peak limiter
- internal RMS limiter
- Ethernet network compatible
- network connector 2 x Neutrik RJ-45
- output connector 2 x Neutrik 4pin
- AC-plug powercon
- 3 fans for best cooling performance
- speed controlled silent fans
- easy to clean filter foam (no screws, no tools)

technische Daten / specification

| | | T-1500 | T-2400 | T-3000 | TD-3000 | TD-5000 | TD-8000 | | | |
|---|---|---|---------|----------------------|--------------------------------|----------------------|----------|--|--|--|
| max. Ausgangsleistung** 2Ω | output power (prog. peak)** 2Ω | 2x1200W | 2x1900W | 2x2400W | 2x2400W | 2x3800W | 2x6100W | | | |
| Ausgangsleistung* stereo 4Ω | output power* stereo 4Ω | 2x750W | 2x1200W | 2x1500W | 2x1500W | 2x2500W | 2x4000W | | | |
| Ausgangsleistung* stereo 8Ω | output power* stereo 8Ω | 2x500W | 2x800W | 2x1000W | 2x900W | 2x1450W | 2x2400W | | | |
| Ausgangsleistung* bridged 4Ω | output power* bridged 4Ω | 1x2000W | 1x3200W | 1x3800W | 1x4000W | 1x6300W | 1x10000W | | | |
| Ausgangsleistung* bridged 8Ω | output power* bridged 8Ω | 1x1500W | 1x2400W | 1x3000W | 1x3950W | 1x4100W | 1x6200W | | | |
| Netzteil | power supply | traditional with ring transformer | | | Schaltnetzteil/swich mode | | | | | |
| Verstärker-Schaltungsprinzip | amplifier electronic circuit | class H2 | | | class TD | | | | | |
| Frequenzgang ($\pm 0.3\text{dB}$ / 8Ω) | frequency response ($\pm 0.3\text{dB}$ / 8Ω) | 20Hz - 20kHz | | | | | | | | |
| Eingangsempfindlichkeit | input sensitivity | 0dB - 9dB | | | | | | | | |
| Betriebsmodus | mode | stereo / bridged / parallel | | | | | | | | |
| Signal-Rauschabstand | S/N ratio | >100dB | | | | | | | | |
| Klirrfaktor | THD+N | <0.3% (stereo 8Ω) | | <0.1% (stereo 8Ω) | | <0.3% (stereo 8Ω) | | | | |
| IMD Intermodulationsverzerrung | IMD (inter modulation distortion) | <0.5% (stereo 8Ω) | | <0.3% (stereo 8Ω) | | <0.3% (stereo 8Ω) | | | | |
| Übersprechen (bei max. P und 1kHz) | crosstalk (rated power 1kHz) | >60dB | | >75dB | | >60dB | | | | |
| Dämpfungsfaktor (1kHz, 8Ω) | damping factor (1kHz, 8Ω) | >300:1 | | >600:1 | | >600:1 | | | | |
| Slew-Rate (Anstiegsrate) | slew rate | >12V / μs | | >30V / μs | | >30V / μs | | | | |
| Eingangswiderstand symmetrisch | input impedance balanced | 20kΩ | | 30kΩ | | 30kΩ | | | | |
| Eingangswiderstand asymm. | input impedance unbalanced | 10kΩ | | 15kΩ | | 15kΩ | | | | |
| Sicherheitsschaltungen | protection | soft start up, short circuit, DC fault, over heat, over load, limiter | | | | | | | | |
| Betriebsspannung | AC-Voltage | 220V-240V 50Hz | | | 160V-260V 50Hz | | | | | |
| Abmessungen | dimension | 19" / 2RU Tiefe (depth): 485mm | | | 19" / 2RU Tiefe (depth): 440mm | | | | | |
| Gewicht | weight | 18.5kg | 19.6kg | 19.8kg | 15.2kg | 15.2kg | 15.2kg | | | |

* RMS 1000Hz / max. THD 1% **stereo mode, one channel driven burst signal (program peak) *** burst signal (program peak)

* RMS 1000Hz / max. THD 1% **stereo mode, ein Kanal angesteuert, burst Signal (program peak) *** burst Signal (program peak)

www.pse-audio.com

Ihr Fachhändler / your distributor

PSE-audio
Jahnstraße 7
D-97453 Schonungen
Germany
Fon: +49 (0)9721-473330
e-mail: info@pse-audio.com