



### Features:

### Logistic

#### PSSO QDA-4400 4-channel Amplifier

Class D multi-channel PA amplifier with SMPS, 4 x 1100 W RMS (4 ohms), 4 x 650 W RMS (8 ohms)

- 4-channel PA amplifier with class D circuitry
- Low weight and height due to integrated switch mode power supply
- Reliable power amp with high impulse stability for a wide range of applications (e.g. compact PAs, multi-way PAs, concerts)
- 3 operating modes can be selected (stereo, parallel or bridged)
- Level control per channel
- Input sensitivity adjustable
- LED VU meter and LEDs for activated protective circuit (protect) and overload (clip) per channel
- Electronically balanced inputs via XLR mounting jacks, with XLR feed-through outputs
- Speaker outputs via lockable Speaker plugs
- Rugged steel chassis with aluminum front panel
- (19") 48.3 cm rack installation 2 U
- Highly efficient air flow from front to rear
- The device is cooled by temperature-controlled fan
- For application areas such as: Clubs/dancing school; installation; mobile use; mobile djs / entertainer; restaurants, bars and hotels; rental; sports centres/gyms

#### PSSO QCA-6400 4-Channel SMPS Amplifier

Class I stereo PA amplifier with SMPS, 4 x 1600 W RMS (2 ohms), 4 x 1400 W RMS (4 ohms)

- 4-channel PA amplifier with class I circuitry
- Low weight and height due to integrated switch mode power supply

- Reliable power amp with high impulse stability for a wide range of applications (e.g. compact PAs, multi-way PAs, concerts)
- 3 operating modes can be selected (stereo, parallel or bridged)
- Level control per channel
- Input sensitivity adjustable
- LED VU meter and LEDs for activated protective circuit (protect) and overload (clip) per channel
- Electronically balanced inputs via XLR mounting jacks, with XLR feed-through outputs
- Speaker outputs via lockable Speaker plugs
- Rugged steel chassis with aluminum front panel
- (19") 48.3 cm rack installation 2 U
- Highly efficient air flow from front to rear
- The device is cooled by temperature-controlled fan
- Built with NEUTRIK connector

#### **PSSO QCA-10000 4-Channel SMPS Amplifier**

Class I stereo PA amplifier with SMPS, 4 x 2500 W RMS (2 ohms), 4 x 2100 W RMS (4 ohms)

- 4-channel PA amplifier with class I circuitry
- 4 x 2100 W/4 ohms
- Low weight and height due to integrated switch mode power supply
- Reliable power amp with high impulse stability for a wide range of applications (e.g. compact PAs, multi-way PAs, concerts)
- 3 operating modes can be selected (stereo, parallel or bridged)
- 4 level controls for precise level adjustment
- Input sensitivity adjustable
- LED VU meter and LEDs for activated protective circuit (protect), overload (clip), and signal per channel
- Speaker switch-on delay
- Complete protection set against short-circuit, overheat, clipping, overload, DC voltage and VHF signals
- Electronically balanced inputs via XLR mounting jacks, with XLR feed-through outputs
- Speaker outputs via lockable speaker jacks
- Rugged steel chassis with aluminum front panel
- Rack installation, 2 U
- Neutrik Speakon outputs
- (19") 48.3 cm rack installation 2 U
- Highly efficient air flow from front to rear
- The device is cooled by temperature-controlled fan
- Built with NEUTRIK connector

#### **PSSO DXO-48 PRO Digital Controller**

Digital Speaker Management System with 4 inputs and 8 outputs, incl. software

- Digital network speaker management system with 64-bit processing
- Premium components ensure excellent sound-features
- Flexible routing configurations for all standard mono and stereo output operating modes
- 4 analog inputs and 1 digital AES/EBU interface (XLR)
- 8 analog outputs (XLR)
- 10-band parametric EQ per input and output
- Parametric filters can be set as Bell, High Shelf, Low Shelf, Notch, Allpass
- Active crossover with Bessel, Butterworth and Linkwitz-Riley filter with slopes up to 24 dB/octave
- The intelligent software for allows convenient control with a computer
- Full configuration and real-time network communication via the built-in Ethernet interface
- Presets are easy to store, transfer and manage
- Up to 80 user presets storable in the device via software
- Control of all functions also possible via the controls at the front panel
- Input sensitivity digitally adjustable
- Inputs and outputs with 4-digit VU meter
- Mute switch with LED indicator per output
- Up to 2000 ms signal delay adjustable for the inputs and outputs
- Output limiter with adjustable limits and automatic attack and release settings as overload protection for your amplifying system
- Switchable phase
- Lock function for prevents undesired changes to settings

- Sample rate: 65 kHz
- (19") 48.3 cm rack installation 1 U
- Digital signal processor
- Control via DXO-Control App
- The device can be connected via USB to the PC in connection with DXO Software
- The device can be connected via RJ-45 (F) mounting version to the PC in connection with DXO Software<BR>firmware can be updated
- Compatible with Win XP, Win Vista, Win 7, Win 10, OS X 10.5 or better

### OMNITRONIC Front Panel Z-19U-shaped, steel, black 1U

U-front panel in different sizes

- 1 U

### ROADINGER Rack Profi KM 8U 55cm with wheels

Rack case with castors, PRO version

- Stomped profile rails for cage nuts
- 8 U
- High-quality workmanship with birch multiplex 9 mm, black, laminated
- Aluminum profile frames 30mm with rounded edges
- 4 hinged, chromium plated case handles
- 4 high-quality butterfly locks
- 4 x castors with 2 locking brakes
- 4 x built-in stacking trays in the cover
- Branded hardware
- Available in different height units (1 U = 44 mm)
- With profile rails suitable for 19" units
- With extra large installation depth
- Made in Europe
- For further information about this product, please refer to the Data Sheet under "Downloads"

### Technical specifications:

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Weight: 62.70 kg

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### PSSO QDA-4400 4-channel Amplifier

Power supply:	100-240 V AC, 50/60 Hz
Power consumption:	830 W 1/8 power
Protection class:	Protection class I
Output power:	4 x 1100 W RMS (4 ohms) 4 x 650 W RMS (8 ohms) 2 x 2000 W RMS bridged (8 ohms)
Power connection:	Mains input via P-Con (blue), mounting version power supply cord with safety plug (provided)
Frequency range:	20 - 20000 Hz
S/N ratio:	>100 dB
THD:	<0.1 % at 1 kHz
Cooling:	2 x temperature-controlled fan , air flow from front to rear
Impedance:	Input: 20 kOhm , bal. Input: 10 kOhm , unbal.

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Gain:	39.9 dB
Housing color:	Black
Circuitry:	Class D
Slew rate:	>10 V/μs
Damping factor:	>500
Crosstalk:	>65 dB
Control elements:	Power switch, mode switch (stereo/parallel/bridged), level control per channel, Input sensitivity switch
Controls:	Softstart; overheat; overload; short-circuit; progressive volume; VHF; limiter
Status LED:	Power, level meter, clip, protect
Connections:	Input: line via 4 x 3-pin XLR Output: line via 4 x 3-pin XLR Output: speaker via 4 x speaker built-in socket (F)
Input sensitivity:	0.775 V; 1.0 V; 1.81 V , switchable; 32 dB; 37 dB; 39.3 dB , switchable
Housing design:	(19") 48.3 cm rack installation 2 U
Dimensions:	Width: 48.3 cm Depth: 46.1 cm Height: 8.9 cm
Weight:	9.50 kg

#### **PSSO QCA-6400 4-Channel SMPS Amplifier**

Power supply:	230 V AC, 50 Hz
Power consumption:	820 W 1/8 power
Output power:	4 x 1600 W RMS (2 ohms) 4 x 1400 W RMS (4 ohms) 4 x 800 W RMS (8 ohms) 2 x 3200 W RMS bridged (4 ohms) 2 x 2800 W RMS bridged (8 ohms)
Power connection:	Fixed power supply cord with safety plug
Frequency range:	20 - 20000 Hz
S/N ratio:	>80 dB
THD:	<0.05 % at 1 kHz
Cooling:	2 x temperature-controlled fan , air flow from front to rear
Impedance:	Input: 20 kOhm , bal. Input: 10 kOhm , unbal.
Gain:	40.3 dB/ 0.775 V 38 dB/ 1.0 V 35.1 dB/ 1.4 V
Circuitry:	Class I
Slew rate:	>10 V/μs
Damping factor:	>800
Crosstalk:	>65 dB

Control elements:	Power switch, level control per channel, mode switch (stereo/parallel/bridged), Input sensitivity switch
Controls:	Overheat; overload; short-circuit; DC voltage; softstart; VHF
Status LED:	Power, level meter, clip, protect
Connections:	Input: line via 4 x 3-pin XLR Link: line via 4 x 3-pin XLR Output: speaker via 4 x speaker built-in socket (F)
Input sensitivity:	0.775 V; 1.0 V; 1.4 V , switchable; 26 dB; 32 dB; 38 dB , switchable
Use of brands:	Built with NEUTRIK connector
Housing design:	(19") 48.3 cm rack installation 2 U
Dimensions:	Width: 48.3 cm Depth: 44.5 cm Height: 8.9 cm
Weight:	13.45 kg

#### **PSSO QCA-10000 4-Channel SMPS Amplifier**

Power supply:	230 V AC, 50 Hz
Power consumption:	1150 W 1/8 power
Output power:	4 x 2500 W RMS (2 ohms) 4 x 2100 W RMS (4 ohms) 4 x 1300 W RMS (8 ohms) 2 x 5000 W RMS bridged (4 ohms) 2 x 4200 W RMS bridged (8 ohms)
Power connection:	Fixed power supply cord with safety plug
Frequency range:	20 - 20000 Hz
S/N ratio:	>80 dB
THD:	<0.05 % at 1 kHz
Cooling:	2 x temperature-controlled fan , air flow from front to rear
Impedance:	Input: 10 kOhm , unbal. Input: 20 kOhm , bal.
Gain:	40.3 dB/ 0.775 V 38 dB/ 1.0 V 35.1 dB/ 1.4 V
Circuitry:	Class I
Slew rate:	>10 V/ $\mu$ s
Damping factor:	>800
Crosstalk:	>65 dB
Control elements:	Power switch, level control per channel, mode switch (stereo/parallel/bridged), Input sensitivity switch
Controls:	Overheat; overload; short-circuit; softstart; DC voltage; VHF
Status LED:	Power, level meter, clip, protect
Connections:	Input: line via 4 x 3-pin XLR (F) mounting version

Output: line via 4 x 3-pin XLR (M) mounting version

Output: speaker via 4 x 4-pol SpeakON mounting version (F)

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Input sensitivity:	0.775 V; 1.0 V; 1.4 V , switchable; 26 dB; 32 dB; 38 dB , switchable
Use of brands:	Built with NEUTRIK connector
Housing design:	(19") 48.3 cm rack installation 2 U
Dimensions:	Width: 48.3 cm Depth: 44.5 cm Height: 8.9 cm
Weight:	13.90 kg

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### **PSSO DXO-48 PRO Digital Controller**

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Power supply:	100-240 V AC, 50/60 Hz
Power consumption:	10.00 W
Power connection:	Mains input via IEC connector (M) mounting version power supply cord with safety plug (provided)
Frequency range:	10 - 40000 Hz
THD:	<0.005 % at 1 kHz
Network connection:	Protocol: Ethernet TCP/IP via 1x RJ-45 (F) mounting version
DSP:	Digital signal processor
Impedance:	Input: 10 kOhm Input: XLR (AES/EBU) 110 Ohm Output: 50 Ohm
Gain:	Input: -50 dB to +12 dB Output: -50 dB to +12 dB
Filter:	Linkwitz-Riley; Butterworth; Bessel; 6db/oct; 12db/oct; 18db/oct; 24db/oct
Delay:	0 - 2000 ms
Dynamic range:	Input: 118 dB Output: 114 dB
Control:	DXO-Control App
Sample rate:	65 kHz
Connections:	Input: line via 4 x 3-pin XLR Output: line via 8 x 3-pin XLR
Crossover frequency:	20-20000 Hz
Max. level:	Input: +22 dBu Output: +12 dBu
USB port:	Type B
PC connect:	DXO Software via USB DXO Software via RJ-45 (F) mounting version, firmware can be updated
Housing design:	(19") 48.3 cm rack installation 1 U
Dimensions:	Width: 48.3 cm Depth: 18.0 cm Height: 4.45 cm

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Weight:	2.45 kg
Operating system:	Win XP, Win Vista, Win 7, Win 10, OS X 10.5 or better

#### **OMNITRONIC Front Panel Z-19U-shaped, steel, black 1U**

Diameter mounting holes:	Ø7mm
Material:	Steel, 1 mm
Color:	Black, powder-coated
Mounting height:	Approx. 4.5 cm (1 U)
Housing design:	1 U
Dimensions:	Width: 48.3 cm Height: 4.45 cm
Weight:	0.30 kg

#### **ROADINGER Rack Profi KM 8U 55cm with wheels**

Maximum load:	100 kg
Aluminum profile frames:	30 mm
Case handle:	4 pc/pcs
Lock:	Butterfly lock: 4 pc/pcs
Transport aid:	4 x castors with 2 locking brakes 4 x built-in stacking trays in the cover
Use of brands:	Branded hardware
Material:	Birch multiplex, 9 mm; plywood multi-layer glued
Color:	Black, laminated; dark brown, laminated
Front panel width:	19"
Mounting height:	Approx. 35.5 cm (8 U)
Mounting depth:	550 mm
Housing design:	8 U
Dimensions:	Width: 71 cm Depth: 55 cm Height: 53 cm
Weight:	23.10 kg

#### **Scope of delivery:**

##### **1 x PSSO QDA-4400 4-channel Amplifier**

1 x amplifier  
1 x power cord  
1 x user manual

##### **1 x PSSO QCA-6400 4-Channel SMPS Amplifier**

1 x amplifier  
4 x foot  
1 x user manual  
1 x cover

##### **1 x PSSO QCA-10000 4-Channel SMPS Amplifier**

1 x user manual  
1 x amplifier  
1 x cover  
4 x foot

**1 x PSSO DXO-48 PRO Digital Controller**

1 x device  
1 x power cord  
1 x USB cable  
1 x network cable  
4 x foot  
1 x user manual

**1 x ROADINGER Rack Profi KM 8U 55cm with wheels**

1 x case