PLS
ELECTRONICS

Theatre & Stage Technology

Product Guide
2009/I.

We light up your stage™

About Us

PLS Electronics was founded in 1997 to manufacture high-quality disco, theatre and stage equipment originally for the Hungarian market. Our first analog controlled dimmer was built in 1998 and since then we are focusing on making the best quality and cost effective dimmer products.

At the end of that year we introduced our first DMX dimmer, in 2000 we produced multi processor controlled fully digital dimmers. Meanwhile we made our product range complete with power distributors, rack units, DMX Network equipment and with other special products. Since this year we began establishing distribution channels in the European market.

In 2002 the theater products got a registered common family name: Pegasus®.

Pegasus (Peg"a*sus), *n.* [L., fr. Gr. ?.] **1.** (Gr. Myth.) A winged horse fabled to have sprung from the body of Medusa when she was slain. He is noted for causing, with a blow of his hoof, Hippocrene, the inspiring fountain of the Muses, to spring from Mount Helicon. On this account, he is, in modern times, associated with the Muses, and with ideas of inspiration, design and creation.

We continuously listen to feedback from our customers considering their requests in our research and development process. In 2004 we introduced new products such as the new Power-63 distributor series and the MiniRack. In 2005 we introduced our highly affordable products, the X Series. Recently we introduced the Mini dimmer range and Power-125 distributors.

Nowadays we are one of the most significant manufacturers in the Hungarian market, and PLS is getting to be a well-known brand in the world. Please, take a little time to browse through our product range.

Photos from My Fair Lady (Pécs), The Phantom of the Opera (Budapest) and from Romeo and Juliet (Pécs)

Photos © László Körtvélyesi (Pécs) and Eszter Gordon (Budapest)

References

Our products can be found everywhere, small and large theatres, culture centers, schools, sport arenas, concert tours and discotheques such as:

in Hungarian theatres:
– József Attila Theatre, Budapest
– Voitina Theatre, Debrecen
– Kölcsei Cultural Center Debrecen
– National Theatre, Pécs
– National Theatre, Budapest (Studio)
– Cultural centre of Mayor office, Székesfehérvár
– Arts centre of Oroszlány, Siófok, Cegléd
– Moulin Rouge, Budapest
– Sport stadion of Győr
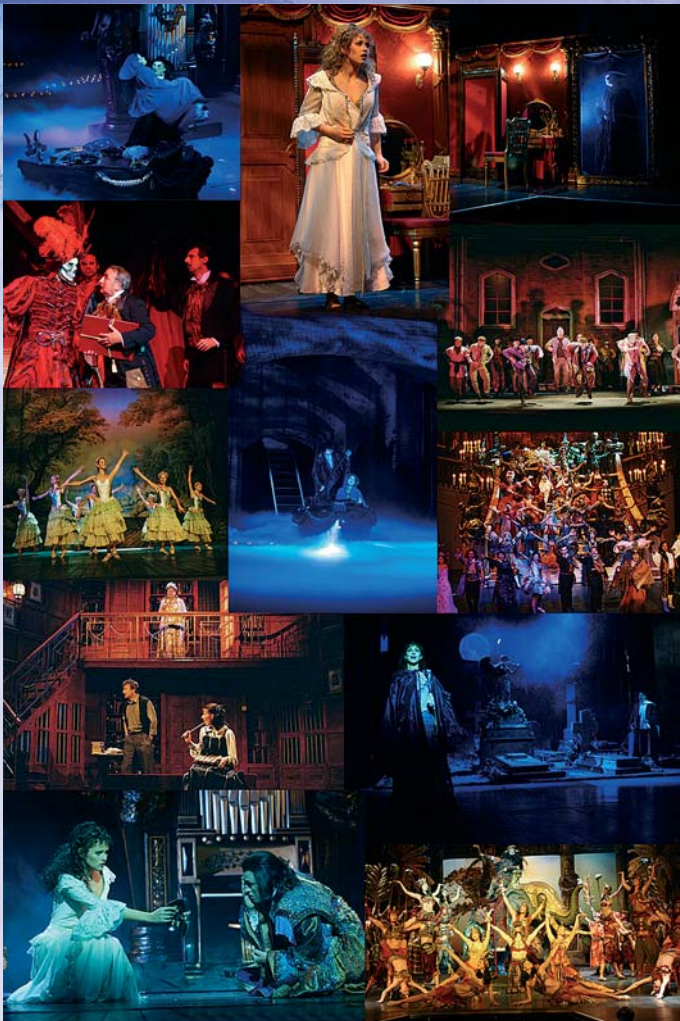– Special light control effects in The Phantom of the Opera

at Touring Companies:
– Dry Light Ltd.
– Klemm Concert Team
– Mobil Audio & Light Ltd.
– Omega Light Ltd.
…and many more places.

Dealers in Europe:

Austria	Czech Republic	Finland	Germany	The Netherlands
Romania	Serbia	Spain	Sweden	Switzerland Turkey

Additionally we have users around the world like: USA, UAE, France, Belgium, Denmark and probably your country comes next.

Power Distributors

The **Pegasus Power** distributors are designed to distribute the incoming power line by different methods, and to provide security and efficiency for dimmers and other equipment. Always use proper power distribution!

Ordering information:
- POWER-32/SCAN
- POWER-32/HOIST-A
- POWER-32/HOIST-B
- POWER-63/DUO
- POWER-63/DUO++
- POWER-63/MIX
- POWER-63/FLAT
- POWER-125/A
- POWER-125/B

Common Technical Specifications
Power-32 and 63 3U-high series

Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	484×132×250 mm (W×H×D, plus connectors)
Weight	11 kg

Pegasus® Power-32/SCAN

– 3×32 A input via male CEE connector
  (fixed to the back panel or with 5×6 mm² H07 rubber cable)
– Two 16-pole 'Harting' type outputs
– One phase 10 A Schuko output on the front panel
– C10A 1P circuit breakers for 'Harting' outputs per phase
– 40 A 4-pole main switch
– Three input Phase indicator
Option: 1P+N circiut breakers for Harting outputs.

Pegasus® Power-32/HOIST

– Hoist motor controller up to four motors with direct phase drive
– Linkable common start control (local or remote) up to 8 units
– Local controllable directions at **-A** version
– Local and remote controllable directions at **-B** version
– Emergency stop button at local and on the remote controller
– 4×16 A CEE 4P and one 16-pole Harting output at the backside
– Main 3P MCB for input mains
– Motor protector breakers for each outputs

Remote controller for HOIST-B

Pegasus® Power-63/DUO

– 3×63 A input via male CEE connector
  (fixed to the back panel or with 5×10 mm² H07 rubber cable)
– Two 32 A Output via 32 A CEE female connectors
– One phase 10 A Schuko output on the back panel
– Two dedicated RCD protectors (30 mA) for 32 A CEE outputs
– C32A 3×1P circuit breakers for 32 A CEE outputs
– 63 A 4-pole main switch
– Three input phase indicator
Options: 3P or 4P circiut breakers for CEE outputs,
          1P+N for AUX output,
          100 mA or 300 mA RCD protectors.

Pegasus® Power-63/DUO++

This unit shares the characteristics of the Power-63/DUO power distributor (without AUX output). It is extended with a digital multi-meter with the following properties:
– Voltage measurement on all phases (V peak, V eff.)
– Current measurement on all phases (I, In)
– Frequency measurement
– Operating time

Pegasus® Power-63/MIX

– 3×63 A input via male CEE connector
  (fixed to the back panel or with 5×10 mm² H07 rubber cable)
– One 32 A Output via 32 A CEE female connectors
– Six 10 A Schuko output on the back panel
– One 10 A Schuko output on the front panel
– C32A 3×1P circuit breakers for 32 A CEE output
– C10A 1P circuit breakers for Schuko outputs
– 63 A 4-pole main switch
– Three input Phase indicator
Options: 3P or 4P circiut breaker for CEE output,
        1P+N for Schuko output,
        100 mA or 300 mA RCD protector.

Pegasus® Power-63/FLAT

This power distributor is specially designed for sound units. It comes with the following details:
– Three phase 63 A CEE male inputs
– One 3-phase 32 A CEE female outputs
– Six 1-phase 16 A CEE female outputs
– Three 1-phase 16 A CEE female outputs
– Six 16 A Schuko outputs
– Common 63 A/30 mA RCD for all outputs
– Separated circuit breakers for all outputs
– Digital Multimeter with voltage, current and frequency measuring
– C63A 4P circiut breaker for main protection
– Dimensions: 484×690×160 mm
Options: 3P or 4P circiut breaker for 3-phase CEE output,
        1P+N for Schuko or 1-phase CEE outputs,
        100 mA or 300 mA RCD protector.

Technical Specifications

Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	484×720×15 mm (W×H×D, plus connectors)
Weight	25 kg

Pegasus® Power-125

If you need to distribute 125 A, this unit should be
the best choice for you:

– 3-phase 125 A input via fixed 5P CEE male plug on the chasis
– 3×1P C125A circiut breakers for mains protection
– Two 3-phase 63 A 5P CEE female outputs with 3×1P MCBs and
  dedicated RCD protectors (300 mA) **(only in Power-125/B)**
– Four 3-phase 32 A 5P CEE female outputs with 3×1P MCBs and
  dedicated RCD protectors (30 mA)
– Two 16 A Schuko outputs on the back with MCB and RCB combined
  protector (C16A/30 mA)
– Digital Multimeter with voltage, current and frequency measuring
  (with the same features as at the Power-63/DUO++)
– Analog current meter
– Dimensions, Power-125 A: 484×264×350 mm,
        Power-125 B: 484×396×350 mm
                (W×H×D, plus connectors)

Technical Specifications

Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	484×396×350 mm (W×H×D, plus connectors)
Weight	35 kg

The Pegasus® Master and Pro series are the most powerful, cost-effective digital dimmers. Ideal for theatres, concerts, stage works, discos and similar places. These dimmers contain four RISC microprocessors to make a 100% duty cycle power pack. The output power is controlled by TRIACs with digital phase angle control. The rising of the output current and the resulting distortion can decrease by special filters.

We use well-designed inductance coils in our products which can filter out the high frequency parts of the output current. These filters give these dimmers a good quality for EMC (Electro Magnetic Compatibility). The coils are idealised to make low level dimmer buzzing as well and it allows you to install anywhere this dimmers. The output curve is represented on *Figure 1.*
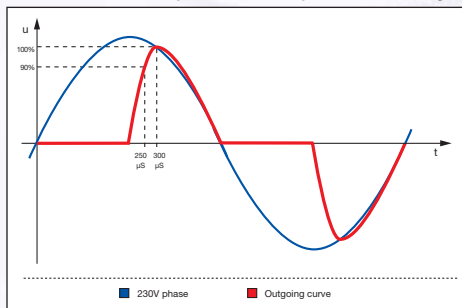
Figure 1. Output curve at full load (10 A) and half level

Main features:

- Access to functions by five buttons
- Control signals are indicated on LCD and by LEDs
- Output signals are indicated by LEDs
- Three different DMX addressing:
  - Normal start set
  - Single channel patch (DMX patch)
  - Binary DMX set
- PreHeats and MaxLevels for each channels
- Five output curves (lin, log, inv log, switch, custom)
- Displaying incoming DMX level for checking
- One by one channel operation check
- **User customizable 40-step sequence for standalone mode**
- Two fan speeds depending on internal heat (low noise)
- Overheat protection
- Overload protection by circuit breakers (C10A 1P)
- Microprocessor generated zero-cross point
- Soft flash handling to eliminate MCB strikedown
- DMX-512 (DMX-512A ready) and optional analog (0-10 V) control
- 10 V output for small analog control desks (optional)
- **Option for 1P+N circiut breakers**
- Option for backside XLR connectors

Ordering information:

- MASTER 12-S   ('Schuko' outputs)
- MASTER 12-F   ('French & Belgian' outputs)
- MASTER 12-UK   ('UK' outputs)
- MASTER 12-H1   (24 pole 'Harting' output)
- MASTER 12-H2   (2×16 pole 'Harting' outputs)
- MASTER 12-H3   (3×10 pole 'Harting' outputs)
- MASTER 12-SX   ('Socapex' outputs)
- MASTER 12-C   (12×3 pole CEE16 outputs)

Use /B suffix in the order to have DMX input on the back of the unit.
Use /1P+N suffix in the order to have 1P+N circiut breakers.

Inside view. Pegasus dimmers are modular with easily exchangeable TRIACs.
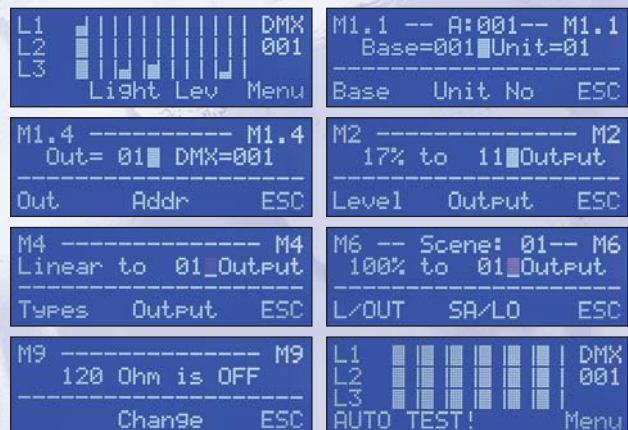
Dimmers can be easily set up with the help of the well-orgainzed menu system.

Output types:

The following output types are available:
- Schuko / French / UK / CEE16 socket type for all channels
- 24 pole + earth 'Harting' type
- 2×16 pole + earth 'Harting' type
- 3×10 pole + earth 'Harting' type
- 2×19 pole Socapex

Technical Specifications

Power	3×40 A mains via 5×6mm² H07 rubber cable without CEE plug.
Output power	12×10 A (12×2.3 kW)
Control connectors	5 pole XLR Input-Throughput for DMX-512 15 pole SUB-D male for analogue inputs (optional)
Input resistance	47 kOhm at the analog inputs
Protection	DMX and Analog inputs are over voltage protected with TVS C10A 1P circuit breakers on the outputs
Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	19" 3 rack unit 484×132×350 (W×H×D in mm + connectors)
Weight	18 kg (net) 20 kg (gross)

Pegasus® Pro Dimmers

The Pro series has the same electric parameters as the Master series. Difference applies in the user controlling method as described below.

– Twelve LEDs to indicate the control signal
– Twelve LEDs to indicate the output signal
– Three LEDs to phase good check
– DMX start address on seven segment display
– Address set by two buttons
– Test function to check operation and loads
– **Internal chaser effects for stand-alone mode**
– Two fan speeds depend on internal heat (low noise)
– Overheat protection
– Overload protection by circuit breakers (C10A 1P)
– Digital PreHeat control for phase units from 0% to 30%
– **Three selectable characteristics for phase units (voltage linear, phase angle linear, switch)**
– Microprocessor controlled zero-cross point
– Soft flash handling to eliminate MCB strikedown
– DMX-512 (DMX-512A ready) and optional analog (0-10 V) control
– 10 V output for small analog control desks (optional)
– Option for backside XLR connectors
– **Option for 1P+N circiut breakers**
– Orderable with 40 A/30 mA RCD or with 4-pole main switch

Pegasus® Pro dimmer (12-channel version)

Pegasus® Pro dimmer (12-channel version with RCD)

Output types:

The following output types are available:
– Schuko / French / UK / CEE16 socket type for all channels
– 24 pole + earth 'Harting' type
– 2×16 pole + earth 'Harting' type
– 3×10 pole + earth 'Harting' type
– 2×19 pole Socapex

Ordering information:

- PRO 12-S ('Schuko' outputs)
- PRO 12-F ('French & Belgian' outputs)
- PRO 12-UK ('UK' outputs)
- PRO 12-H1 (24 pole 'Harting' output)
- PRO 12-H2 (2×16 pole 'Harting' outputs)
- PRO 12-H3 (3×10 pole 'Harting' outputs)
- PRO 12-SX (2×19 pole 'Socapex' outputs)
- PRO 12-C (12×3 pole CEE16 outputs)

Use /B suffix in the order to have DMX input on the back of the unit. Use /1P+N suffix in the order to have 1P+N circiut breakers.

Pegasus® 12-channel dimmer back views: -H2, -C and -S models

Technical Specifications

Power	3×40 A Mains via 5×6mm² H07 rubber cable without CEE plug
Output power	12×10 A (12×2.3 kW)
Control connectors	5 pole XLR Input-Throughput for DMX-512 15 pole SUB-D male for Analog inputs (optional)
Input resistance	47 kOhm at the analog inputs
Protection	DMX and Analog inputs are over voltage protected with TVS C10A 1P circuit breakers on the outputs
Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	19" 3 unit rack 484×132×350 (WxHxD) in mm + connectors
Weight	18 kg (net) 20 kg (gross)

Pegasus® Master 5.7kW Dimmer

The Master 6×5.7kW dimmer has the same features as the 12-channel versions. Difference applies as described below.

Main features
– Access to functions by five buttons
– Control signals are indicated on LCD and by LEDs
– Output signals are indicated by LEDs
– Three different DMX addressing:
  • Normal start set
  • Single channel patch (DMX patch)
  • Binary DMX set
– PreHeats and MaxLevels for each channels
– Five output curves (lin, log, inv log, switch, custom)
– Displaying incoming DMX level for checking
– One by one channel operation check
– **User customizable 40-step sequence for standalone mode**
– Two fan speeds depending on internal heat (low noise)
– Overheat protection
– Overload protection by circuit breakers (C25A 1P)
– Microprocessor generated zero-cross point
– Soft flash handling to eliminate MCB strikedown
– DMX-512 (DMX-512A ready) and optional analog (0-10 V) control
– 10 V output for small analog control desks (optional)
– **Option for 1P+N circiut breakers**
– Option for backside XLR connectors

Ordering information:
• MASTER 5.7kW-H   (2×6 pole 'Harting' outputs)
• MASTER 5.7kW-PC   (6×PowerCon32 outputs)

Use /B suffix in the order to have DMX input on the back of the unit
Use /1P+N suffix in the order to have 1P+N circiut breakers.

Pegasus® Master 5.7 kW dimmer – front view

Pegasus® 5.7 kW H2-type dimmers back view

Pegasus® 5.7 kW PC-type dimmers – back view

Technical Specifications

Power	3×50 A Mains via 5×10mm² H07 rubber cable without CEE plug
Output power	6×25 A (6×5.7 kW)
Control connectors	5 pole XLR Input-Throughput for DMX-512 15 pole SUB-D male for Analog inputs (optional)
Input resistance	47 kOhm at the analog inputs
Protection	DMX and Analog inputs are over voltage protected with TVS C25A 1P circuit breakers on the outputs
Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	19" 3 unit rack 484×132×350 (WxHxD) in mm + connectors
Weight	18 kg (net) 20 kg (gross)

Pegasus® Pro 5.7kW Dimmer

The Pro 6×5.7kW dimmer has the same features as the 12-channel version. Difference applies as described below.

– Six LEDs to indicate the control signal
– Six LEDs to indicate the output signal
– 6×25 A output load capability
– Output protection with C25A 1P MCB
– **Option for 1P+N circiut breakers**
– Outputs via 2×6-pole 35A 'Harting' or 6×PowerCon32 connectors

Ordering information:
• PRO 5.7kW-H   (2×6 pole 'Harting' outputs)
• PRO 5.7kW-PC   (6×PowerCon32 outputs)

Use /B suffix in the order to have DMX input on the back of the unit
Use /1P+N suffix in the order to have 1P+N circiut breakers.

Pegasus® Pro 5.7 kW dimmer – front view

Technical Specifications

Power	3×50 A Mains via 5×10mm² H07 rubber cable without CEE plug
Output power	6×25 A (6×5.7 kW)
Control connectors	5 pole XLR Input-Throughput for DMX-512 15 pole SUB-D male for Analog inputs (optional)
Input resistance	47 kOhm at the analog inputs
Protection	DMX and Analog inputs are over voltage protected with TVS C25A 1P circuit breakers on the outputs
Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	19" 3 unit rack 484×132×350 (WxHxD) in mm + connectors
Weight	18 kg (net) 20 kg (gross)

Pegasus® xLite 2.3kW Dimmer

The xLite dimmer is the semi-professional, highly affordable unit ideal for small theatres, culture centers or similar places. They have the following features:

– **100μS rise time filter per channels**
– Twelve LEDs to indicate the control signal
– Three LEDs to phase good check
– DMX start address on seven segment display
– Address set by two buttons
– Test function to check operation and loads
– **Internal chaser effects for stand-alone mode**
– Two fan speeds depend on internal heat (low noise)
– Overheat protection
– Overload protection by circuit breakers (C10 A 1P)
– Digital PreHeat control for phase units from 0% to 30%
– **Three selectable characteristics for phase units (voltage linear, phase angle linear, switch)**
– Microprocessor controlled zero-cross point
– Soft flash handling to eliminate MCB strikedown
– DMX-512 (DMX-512A ready) and optional analog (0-10 V) control
– 10 V output for small analogue control desks (optional)
– **Option for 1P+N circiut breakers**
– Option for front and backside XLR connectors

Output types:

The following output types are available:
– Schuko / French / UK / CEE16 socket type for all channels
– 24 pole + earth 'Harting' type
– 2×16 pole + earth 'Harting' type
– 3×10 pole + earth 'Harting' type
– 2×19 pole Socapex

Pegasus® xLite-H2 2.3 kW Dimmer – front and back view

Technical Specifications

Power	3×40 A Mains via 5×6mm² H07 rubber cable without CEE plug
Output power	12×10 A (12×2.3 kW)
Control connectors	5 pole XLR Input-Throughput for DMX-512 15 pole SUB-D male for Analog inputs (optional)
Input resistance	47 kOhm at the analog inputs
Protection	C10A 1P circuit breakers per channel
Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	19" 3 unit rack 484×132×350 (WxHxD) in mm + connectors
Weight	17 kg (net) 19 kg (gross)

Ordering information:

- xLite-S   ('Schuko' outputs)
- xLite-F   ('French & Belgian' outputs)
- xLite-UK   ('UK' outputs)
- xLite-H1   (24 pole 'Harting' output)
- xLite-H2   (2×16 pole 'Harting' outputs)
- xLite-H3   (3×10 pole 'Harting' outputs)
- xLite-SX   (2×19 pole 'Socapex' outputs)
- xLite-C   (12×3 pole CEE16 outputs)

Use /B suffix in the order to have DMX input on the back of the unit.   Use /1P+N suffix in the order to have 1P+N circiut breakers.

Pegasus® xLite 3.7kW Dimmer

The xLite 3.7 kW dimmer has the same features as the 10 A version above but with increased output power up to 16 A per channel.

Output types:

The following output types are available:
– Schuko / French / UK / CEE16 socket type for all channels
– 24 pole + earth 'Harting' type
– 2×16 pole + earth 'Harting' type
– 3×10 pole + earth 'Harting' type
– 2×19 pole Socapex

Pegasus® xLite 3.7 kW Dimmer – front view

Ordering information:

- xLite 3.7kW-S   ('Schuko' outputs)
- xLite 3.7kW-F   ('French & Belgian' outputs)
- xLite 3.7kW-UK   ('UK' outputs)
- xLite 3.7kW-H1   (24 pole 'Harting' output)
- xLite 3.7kW-H2   (2×16 pole 'Harting' outputs)
- xLite 3.7kW-H3   (3×10 pole 'Harting' outputs)
- xLite 3.7kW-SX   (2×19 pole 'Socapex' outputs)
- xLite 3.7kW-C   (12×3 pole CEE16 outputs)

Use /1P+N suffix in the order to have 1P+N circiut breakers.

Technical Specifications

Power	3×63 A Mains via 5×10mm² H07 rubber cable without CEE plug
Output power	12×16 A (12×3.7 kW)
Control connectors	5 pole XLR Input-Throughput for DMX-512 15 pole SUB-D male for Analog inputs (optional)
Input resistance	47 kOhm at the analog inputs
Protection	C16A 1P circuit breakers per channel
Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	19" 3 unit rack 484×132×350 (WxHxD) in mm + connectors
Weight	18 kg (net) 20 kg (gross)

Pegasus® Mini Master Dimmer

If you looking for small 6-channel dimmer pack with the same features as the 12-channel Master dimmer has – with some extra function, the MiniMaster is the best choice for you. The Mini range of dimmers can be placed into rack containers or used as portable units.

– 3×32 A mains input via rubber cable with CEE plug or on screw terminal blocks
– 6×16 A output on the backside connectors or via screw terminal blocks
– **100 µs rise time filter per channels**
– Two LEDs per channels for trigger and AC output monitor
– Local control with LCD, four buttons and 7 slide potmeters
– Normal or softpatch for start address set
– PreHeat, MaxLevel and five caracteristics for each channels
– User programmable 40-step memory for stand-alone mode
– **Faders for local light level control**
– Overheat protection
– Two-speed fan for low noise
– Microprocessor controlled zero-cross point
– DMX-512 control (DMX-512A ready)

Pegasus® MiniMaster dimmer – front view (rackable type)

Technical Specifications

Power	3×32 A Mains via 5×4mm^2 H07 rubber cable + CEE 32 A/Male
Output power	6×16 A (6×3.7 kW)
Connectors	CEE 32 A 5 pole male connector for mains 5 pole XLR Input-Throughput for DMX-512
Protection	C16A 1P circuit breakers per channel
Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	19" 2 unit rack 484×88×350 (WxHxD) in mm + connectors
Weight	10 kg

Ordering information:

- MiniMaster-S ('Schuko' outputs)
- MiniMaster-F ('French&Belgian' outputs)
- MiniMaster-UK ('UK' outputs)
- MiniMaster-H ('Harting' outputs)
- MiniMaster-H2 (2x 'Harting' outputs)
- MiniMaster-SX ('Socapex' outputs)

- MiniMaster-SX2 (2x 'Socapex' outputs)
- MiniMaster-C ('CEE16 3P' outputs)
- MiniMaster-SB (Screw terminal blocks for mains and outputs)

Use /1P+N suffix in the order to have 1P+N circiut breakers.

Pegasus® Mini ECO Dimmer

This small unique dimmer is dedicated for users who don't need twelve channel but they need an affordable and reliable small dimmer unit. All channels can be load full with 16 A and the house of the unit is designed for portable or 19" rack mount use.

– **100 µs rise time filter per channels**
– Six LEDs to indicate the control signal
– DMX start address on seven segment display
– Address set by two buttons
– Test function to check operation and loads
– Overheat protection
– Overload protection by circuit breakers (C16A)
– Internal chaser effects for stand-alone mode
– Microprocessor controlled zero-cross point
– DMX-512 control (DMX-512A ready)

- MiniECO-S ('Schuko' outputs)
- MiniECO-F ('French&Belgian' outputs)
- MiniECO-UK ('UK' outputs)
- MiniECO-H ('Harting' outputs)
- MiniECO-H2 (2x 'Harting' outputs)
- MiniECO-SX ('Socapex' outputs)
- MiniECO-SX2 (2x 'Socapex' outputs)
- MiniECO-C ('CEE16 3P' outputs)
- MiniECO-SB (Screw terminal blocks for mains and outputs)

Use /1P+N suffix in the order to have 1P+N circiut breakers.

Technical Specifications

Power	3×32 A Mains via 5×4mm^2 H07 rubber cable + CEE 32 A/Male
Output power	6×16 A (6×3.7 kW)
Connectors	CEE 32 A 5 pole male connector for mains 5 pole XLR Input-Throughput for DMX-512
Protection	C16A 1P circuit breakers per channel
Corrosion protection	Electrostatic sintering
Operating temperature	10 °C to 40 °C
Dimensions	19" 2 unit rack 484×88×350 (WxHxD) in mm + connectors
Weight	10 kg

Pegasus® Simply-12 Dimmer

Simply and Easy. These two words describes this unique dimmer. 12×10 A with 50 μs rise-time filtering gives you a great and cost-effective solution for price sensitive markets like clubs, small stages and culture centers.

– **50 μs rise time filter per channels**
– LEDs per channels for trigger monitor
– Local control with LCD, four buttons
– Normal or softpatch for start address set
– PreHeat, MaxLevel and three caracteristics for each channels
– User programmable 40-step memory for stand-alone mode
– Overheat protection
– Two-speed fan for low noise
– Microprocessor controlled zero-cross point
– DMX-512 control (ready for DMX-512A)

Pegasus® Simply-H dimmer front and back view

Ordering information:

- Simply-H (2×16-pole 'Harting')
- Simply-SX (2×19-pole 'Socapex')
- Simply-SB (Screw terminal blocks)

Pegasus® WM-12 Dimmer

Our new dimmer range has been designed for fixed installations such as museums, houshoods, sport centers, etc. This vesion of the WM series comes with 12-channel phase-angle control up to 16 A per channel.

– **100 μs rise time filter per channels**
– DMX-512 control (DMX-512A ready)
– Optionally orderable with DALI interface
– LCD and five push buttons for local control
– Channel Faders and Master Fader for local dimming (order option)
– Selectable DMX start address for each channel (SoftPatch)
– Selectable PreHeat, MaxLevel and five control curves for each channel
– 40 user editable screens and two chaser from those sceenes
– Dedicated panic control input (e.g. fire alarm)
– Optionally 12 analog input which can be assigned to stored screens and chasers
– Test function to check loads
– Overheat protection
– Two-speed fun control for low noise operation
– Resistive or inductive loads
– Cabling on the top via cableglands or through the back of the box
– 10 mm^2 terminal blocks for input mains, 6 mm^2 ones for outputs
– C16A 1P circuit breakers
– Can be ordered with 1P+N circuit breakers
– 4-pole main switch (or 63A/30mA RCD as option)

Pegasus® WM-12 dimmer

Ordering information:

- WM-12/A (Basic 12x16A model with 4P main switch and without local faders)
- WM-12/B (Same as above with faders)
- WM-01 (63A/30ma RCD instead of main switch)
- WM-02 (1P+N circuit breakers)
- WM-03 (DALI interface)

Upcoming products in the WallMount family:

- WM-6 (6×25 A dimmer)
- WM-04 (Reverse-phase angle control option)
- WM-CB1 (Wall mounted Control board with push buttons)
- WM-CB2 (Wall mounted Control board with faders and push buttons)
- WM-CB3 (Wall mounted programmabel control board with push buttons, faders and LCD)

Pegasus® WM-12 dimmer with potmeter option

Screw terminal blocks at 1P+N option

Backside view of the dimmer

Pegasus® Module Dimmer

This unit is a one-channel digitally controlled dimmer. The output power is up to 2.3 kW, which one is controlled by TRIACs with phase angle control. Ideal for industrial and home use (e.g. light control of the auditorium in cinemas, theatres). The output level can be adjusted with three types:

– 0–10 V analog input (potmeter or other)
– DMX-512 input (binary selectable start address)
– Two pushbuttons (UP/DOWN)
  with selectable time settings (0 s-12 s)
– Three pushbuttons (MAX/MIDDLE/MIN)
  with selectable time settings (0 s–12 s)
– Test function for load check

Controlling modes and setting times can be set with six DIP switches. The module is overheat protected, the processor reduces the output level if the unit is too hot. All control inputs can be connected in parallel, this allows the control of 3 phase systems, too.
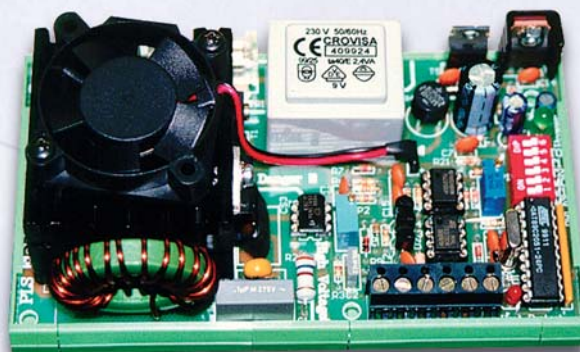
Technical Specifications

Mounting type	Plastic PCB holder for Omega and C rails
Operating temperature	10 °C to 40 °C
Dimensions	135×77×72 (WxHxD) mm

Pegasus® RiggDim2

In many cases installations need only one or two DMX or standard analog controlled dimmer channel with the same quality of the big dimmer packs. This unit has many useful options such as DMX or analog control, built-in potmeter for local control, easy mount to trusses, 100 µs ride time filters and 10 A circuit breakers.

– 2×2.3 kW (10 A/channel, total max. 16 A) output
  protected by circuit breaker
– Two Schuko or 16 A CEE outputs
– Power input via rubber cable
– DMX start address on seven segment display (set by buttons)
– Test function to check operation and loads
– Overheat protection
– Digital PreHeat control for phase units from 0 % to 30 %
– Microprocessor controlled zero-cross point

Technical Specifications

Mounting type	Directly riggable onto ∅ 50 mm truss
Operating temperature	10 °C to 40 °C
Dimensions	170×320×100 (WxHxD) mm

Under development

MovieDim Series

This dimmer range will give the best option for customers looking for flexible single-cannel dimming solution from 10 A to 125 A. Our new dimmer range will cover this segment with DMX and local control possibility with low noise operation. For more details please refer to our website or contact us.

Pegasus® Rack-24

The Pegasus® Rack-24 is a complete solution for stages and touring. It contains two Master or two Pro 12-channel dimmers, optionally with a 7-channel DMX splitter, a power distributor and a 48-way hotpatch panel. With this solution we guarantee the highest quality and flexibility for your equipment. This robust flightcase protects your goods and can be easily transported.

– 24×2.3 kW (10 A) per output power with two output hotpatch (48 outputs)
– HotPatch outputs via eight 16-pole 'Harting'
  or 19-pole 'Socapex' and eight 'Schuko'connectors at the rear panel
– Power distribution with 63 A CEE connector
– 30 mA RCD protection per dimmer
– C32 A circuit breakers per dimmer (per phase)
– Seven channel splitter for the DMX line (for splitting and isolation) *(optional)*

– *Special HotPatch and output versions are available on request.*

Technical Specifications

Built-in units	Two Pegasus® Master or Pro dimmers One Pegasus® Power-63/DUO distributor One 48/56 HotPatch panel with cables Split-7 (optional)
Dimensions	520×920×760 (W×H×D) mm (with covers)
Weight	80 kg

Pegasus® MiniRack

The Pegasus® MiniRack is a small version of touring racks with flexible use. It contains one Pro or Master dimmer, 24/56 HotPatch, two 24 pole 'Harting' and three 16 pole 'Harting' connectors on the rear panel. Eight patchable Schuko outputs on the front and the PatchTest function make this rack so unique. Ideal for small stage sets.

– 12×2.3 kW (10 A) dimmer
– HotPatch configuration:
  24-way HotPatch outputs from dimmer,
  48-way inputs for the 'Harting' connectors,
  8-way inputs for Schukos
– Two 24 pole 'Harting' connectors on the rear panel
– Three 16 pole 'Harting' connectors on the rear panel
– Eight Schuko connectors on the front panel
– Lightweight, only 25 kg.

Technical Specifications

Built-in units	One Pegasus® Master or Pro dimmer One 24/56 HotPatch panel with cables
Dimensions	520×320×800 (W×H×D) mm, with covers
Weight	25 kg

View of the HotPatch system

Custom Designed Racks

If our pre-built rack systems don't fit your needs, we offer to build your own custom version. The following options are available for your custom-built rack system:

• 1-4 dimmers
• Power-63, Power-125 or Power-400 distributors
• From 24 to 96-channel HotPatch
• Harting, Schuko, Socapex and CEE16 outputs
• With or without splitter
• For any other requests please inquire

Example installation of the Modular System (front and back side)

Are you looking for a highly affordable dimmer system with modular features including feedback option plus control/monitor feature through Ethernet?

Here is the right choice for you!

Our new dimmer system based on the popular Master and Pro series with a special housing. There are up to ten independent 19" and 3U high dimmer or relay unit in one rack cabinet. Each 19" unit can be separately disconnected from the cabinet. Internal power distribution is based on TN-S 3x400A rail system. The functions of the dimmer units are the same as indicated at the Pro or Master section.

For diagnostics, our FeedBACK!™ software monitors the dimmers and provides information about the DMX address, control level, output state from each dimmer channels, module temperatures and some very useful extra functions about regarding cabinet supporting the operator.

Rack 1

Dimmer 1
Channel	1	2	3	4	5	6	7	8	9	10	11	12	Temp.
Trigger	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20 °C
Output	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	

Dimmer 2
Channel	1	2	3	4	5	6	7	8	9	10	11	12	Temp.
Trigger	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20 °C
Output	8%	7%	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	ERR	

Dimmer 3
Channel	1	2	3	4	5	6	7	8	9	10	11	12	Temp.
Trigger	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20 °C
Output	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Dimmer 4
Channel	1	2	3	4	5	6	7	8	9	10	11	12	Temp.
Trigger	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	20 °C
Output	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

Screenshot from the FeedBACK!™ software

Accessories for the DMX network

To distribute, manage or change DMX data on the network you can find different products in our portfolio.
All units can be ordered with 5 or 3-pin XLR connectors.

Split-7

– Seven opto isolated and buffered outputs plus one
  throughput
– Each output has separated power supply
– **Built with Amphenol XLR connectors**
– DMX signal display by blue LED
– Line termination (120 Ohm) can be set by a switch
– 19" Rack metal mount

Split-7/B

– Seven opto isolated and buffered outputs plus one
  throughput
– Each output has separated power supply
– **Built with Amphenol XLR connectors**
– DMX signal display by blue LED
– Line termination (120 Ohm) can be set by a switch
– 19" Rack metal mount

SplitMax

– Seven opto isolated buffered outputs plus one
  troughput
– Dedicated power supply for each output
– Built with Neutrik plastic gold plated connectors
– 3-pole and 5-pole input and troughput
– Four outputs with 5-pin, two outputs with 5- and
  3-pin and one with 3-pin XLR
– Can be ordered with RJ-45 connectors
– DMX signal display by blue LED
– Line termination (120 Ohm) can be set by a swithch
  on the front
– 19" Rack metal mount

xSplit-7

– Seven opto isolated and buffered outputs plus one
  throughput
– Each output has separated power supply
– **Built with Taiwan made XLR connectors**
– DMX signal display by blue LED
– Line termination (120 Ohm) set by a switch
– 19" Rack metal mount

Use /B suffix in the order to have DMX connectors on the
back of the unit

Accessories for the DMX network

To distribute, manage or change DMX data on the network you can find different products in our portfolio.
All units can be ordered with 5 or 3-pin XLR connectors.

Split-4

– Four opto isolated and buffered outputs plus one throughput
– Each output has separated power supply
– **Built with Amphenol XLR connectors**
– DMX signal display by blue LED
– Line termination (120 Ohm) set by a switch
– Truss mount metal box
– 170×320×100 (W×H×D) mm

Repeater

– One input one output booster (line refresher)
– Input and output is opto- and power isolated
– Built-in line termination (120 Ohm)
– DMX signal displayed on blue LED
– Truss and wall mount metal box

Merger 2-1

– 2 inputs and one outputs
– Highest-takes-precedence (HTP) or Copy function
– Adjustable offset for Input B
– All inputs and output are opto- and power isolated
– Built-In line termination (120 Ohm)
– DMX signals displayed on blue LEDs
– Ideal for Back-Up systems
– 19" Rack metal mount

Merger2-1/B

– 2 inputs and one outputs
– Highest-takes-precedence (HTP) or Copy function
– Adjustable offset for Input B
– All inputs and output are opto- and power isolated
– Built-In line termination (120 Ohm)
– DMX signals displayed on blue LEDs
– Ideal for Back-Up systems
– DMX connectors on the back side
– 19" Rack metal mount

Demux-24

- DMX-512 to 24 analog (0-10 V) converter
- Separated DA converters for all channels
- Automatically save last setting
- Two output test type
- 5 pole XLR input-throughput
- Start address can be set on seven segment display with two buttons
- 19" Rack metal mount

Demux-12/PCB & Demux-4/PCB

- DMX-512 to 12 or 4 analog (0-10 V) converter
- Separated DA converters for all channels (12 or 4 channels)
- Start address can be set by three rotary knobs or DIP
- DMX signal display by blue LED
- Analog output via screw terminal block
- Ideal to make a DMX dimmer from an old analogue one

Demux-12/PCB

Demux-4/PCB

xCP 300 Color Changer PSU

- 300 W Switch mode power supply for color changers
- Compatible with the most color changers and their accessories (Gobo rotators, mirrors, etc.)
- Built-in DMX Splitter
- Orderable with 24 V or 48 V voltage outputs
- Two 4 pin female outputs with male return sockets with 120 Ohm termination
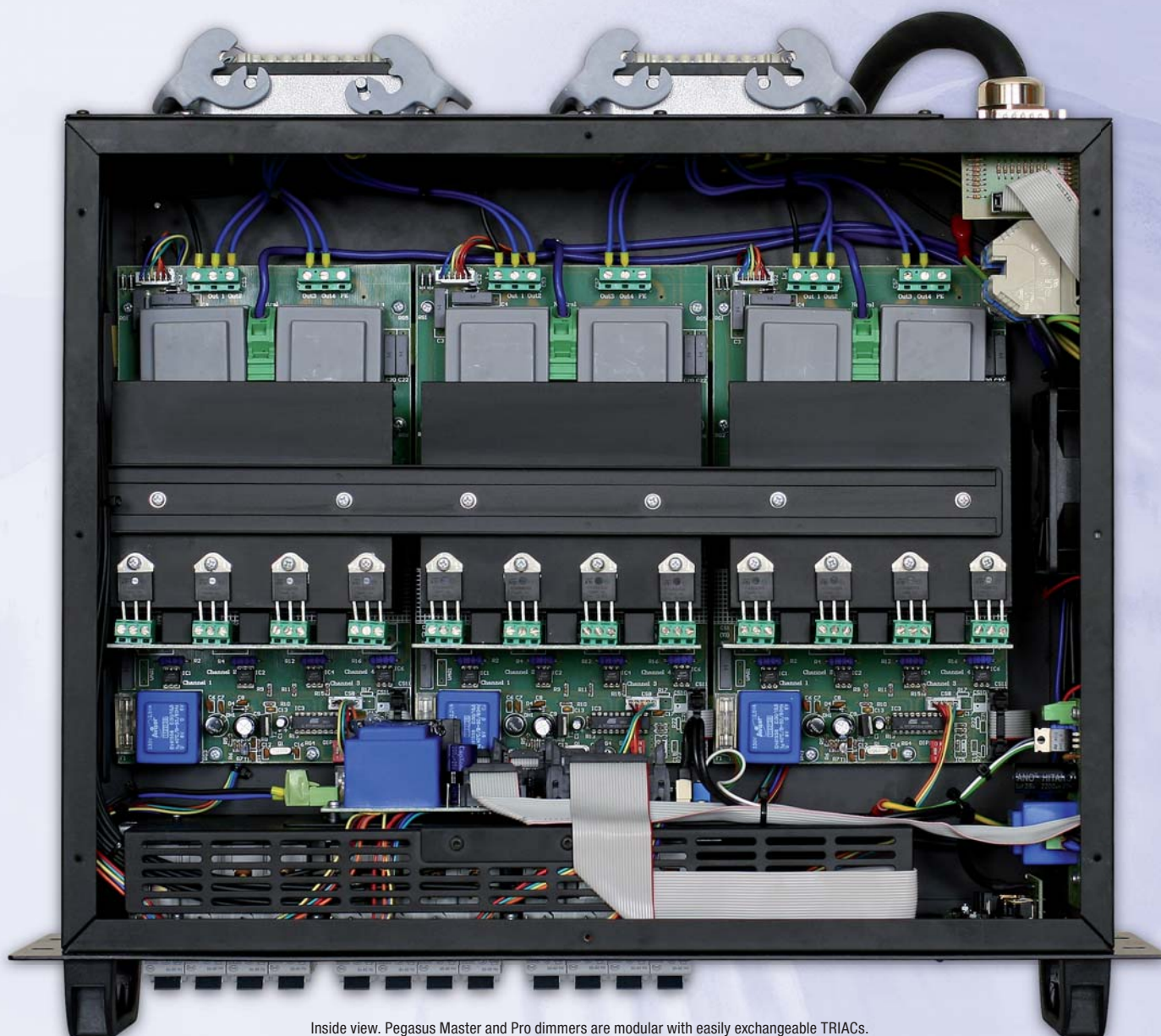
All units are made in EU with Lead Free technology.

We use high quality Wieland, Weidmüller, ABL, Bals and PCE power connectors

Special power output types for dimmers and power distributors are available on request.

Custom designs are welcome.

Inside view. Pegasus Master and Pro dimmers are modular with easily exchangeable TRIACs.