

# PASSIVE JUNCTION BOX

POWER-DMX-ETHERNET TO PDE

SPEC SHEET



## OVERVIEW

The Martin PDE Junction Box Passive merges power, DMX and Ethernet signals into a single connector and cable system, as used by the Martin VDO Atomic family of fixtures.

The box is fully IP65 rated for outdoor use and features a robust metal housing. The flanges on the side allow for mounting to any surface, while the M10 threaded hole allows for the attachment of a rigging clamp.

## FEATURES

- PowerCON TRUE1 TOP power input
- XLR 5 TOP DMX input
- EtherCON TOP Ethernet input
- Martin PDE Hybrid output
- IP65 rated
- Robust metal housing
- Wall or truss-mountable

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## ORDERING INFORMATION

- Passive Junction Box  
Power-DMX-Ethernet to PDE..... P/N 91610001

### ACCESSORIES

#### PRE-ASSEMBLED HYBRID PDE CABLES

- Power+Data Cable Rental PDE-PDE 1m ..... P/N 91616001
- Power+Data Cable Rental PDE-PDE 2.5m ..... P/N 91616002
- Power+Data Cable Rental PDE-PDE 5m ..... P/N 91616003
- Power+Data Cable Rental PDE-PDE 10m ..... P/N 91616004
- Power+Data Cable Rental PDE-PDE 25m ..... P/N 91616005

#### BULK HYBRID PDE CABLE AND CONNECTORS

- Power+Data Connector PDE Male ..... P/N 91611701
- Power+Data Connector PDE Female ..... P/N 91611702
- Power+Data Cable  
Power-DMX-Ethernet Rental 100m ..... P/N 91616006

#### POWERCABLES

- Power Input Cable, H07RN-F, 2.5 mm<sup>2</sup>,  
bare ends to TRUE1, 1.5 m (4.9 ft.)..... P/N 91611797
- Power Input Cable, H07RN-F, 2.5 mm<sup>2</sup>,  
bare ends to TRUE1, 5 m (16.4 ft.)..... P/N 91611786
- Power Input Cable, SJ00W, 12 AWG,  
bare ends to TRUE1, 1.5 m (4.9 ft.)..... P/N 91610173
- Power Input Cable, SJ00W, 12 AWG,  
bare ends to TRUE1, 5 m (16.4 ft.)..... P/N 91610174
- Cable Connector, Neutrik PowerCON  
TRUE1 Female ..... P/N 91611789HU

### MECHANICAL ACCESSORIES

- Super Lightweight Half Coupler  
Rigging Clamp, black..... P/N 91602018

### RELATED ITEMS

- Active Junction Box  
Power-DMX-Ethernet to PDE..... P/N MAR-91700002
- BreakIn Cable  
Power-DMX-Ethernet to PDE..... P/N MAR-91700000
- BreakOut Cable PDE to  
Power-DMX-Ethernet..... P/N MAR-91700001
- VDO Atomic Dot CLD in cardboard..... P/N 90357701
- VDO Atomic Dot WRM in cardboard..... P/N 90357702
- VDO Atomic Bold in cardboard..... P/N MAR-90357703



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## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

Color.....Black  
Housing Material.....Aluminum  
Protection Rating.....IP 65  
RoHS.....Compliant  
REACH.....Compliant

### INSTALLATION

Orientation.....Any  
Wallmount.....Using mounting flanges  
Trussmount.....Using half-coupler clamp in M10 threaded hole, max. bolt length 22 mm  
Location.....indoor or temporary outdoor use

### CONNECTIONS

AC Power input.....Neutrik powerCON TRUE1 TOP (IP 65)  
DMX input.....Neutrik XLR 5-pin Male TOP (IP 65)  
Ethernet input.....Neutrik etherCON TOP (IP 65)  
AC Power, DMX and Network out.....PDE hybrid connector (IP 65)

All connections hot plugging compatible

### ELECTRICAL

AC power.....100-240 V AC nominal, 50/60 Hz

### THERMAL

Maximum Ambient Temperature (Ta max).....75 C  
Minimum Ambient Temperature (Ta min).....-15 C

### APPROVALS

EU Safety.....EN 60598-2-17  
US Safety.....UL 1573  
Canadian Safety.....CSA 22.2 No. 166  
Australia/NZ.....RCM  
United Kingdom.....UKCA



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## DIMENSIONS

### PHYSICAL

Length.....	107 mm (4.2 in.) (incl. mounting flanges)
Width.....	94 mm (3.7 in.)
Height.....	51 mm (2.0 in.)
Weight.....	0.5 kg (1.1 lbs.)

