

GENERIC SYSTEM DIAGRAM – VDO DOTRON WITH P3 CONTROL (PowerPort 1500)



P3 Controllers



- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Dotron

Internal Video input, Art-Net, sACN



- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Dotron

DVI Video input, DMX, Art-Net, sACN



- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Dotron

DVI or 3G-SDI Video input, DMX, Art-Net, sACN

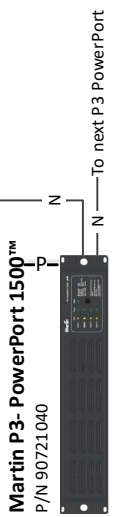


- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 64 Art-Net universes
- Maximum 2000 VDO Dotron

Media Server and/or Lighting Controller (Provided by others)

Maximum 100m Ethernet Cable between any 2 devices (extendable via Gigabit Switch or conversion to fiber)

VDO Dotron generic layout



4-pin XLR-BBD Adaptor
P/N 911616046

- Hybrid Power+Data Cable Rental BBD-BBD**
- P/N 911616041 (1m)
 - P/N 911616024 (2,5m)
 - P/N 911616042 (5m)
 - P/N 911616043 (10m)
 - P/N 911616044 (25m)
 - P/N 911616045 (100m bulk cable)
 - P/N 911611750 (BBD Male Connector)
 - P/N 911611751 (BBD Female Connector)

VDO Dotron

P/N 90357690 – VDO Dotron, in cardboard box (Dome Front)

Total length from PowerPort to last VDO Dotron should be less than **50m** (include the cable tails on dots)

Hybrid Power+Data Cable Rental BBD-BBD

(Not required if VDO Dotron are mounted next to each other (<50cm))



Flat Front



Flat Smoked Front



Dome Smoked Diffuser



Lens Array Narrow

Set of 10 Caps for Connector BBD Female

P/N 911616052

Install blanking caps on all unused female connectors at end of chains (if outdoor)

Fixture type	Maximum permitted VDO Dotron per PowerPort 1500 output
VDO Dotron	Maximum number of VDO Dotron in chain 60 pcs
	Maximum total length of chain (fixtures and cables) 50m

Accessories:

VDO Dotron™ Flange Bracket: P/N 911611803



VDO Dotron™ to VDO Scepter™/Fatron™ Coupler: P/N 911616071



VDO Dotron™ Half Coupler: P/N 911611802



VDO Dotron™ to VDO Scepter™/Fatron™ Pivot Coupler: P/N 911616072



VDO Dotron MultiRig Bar, 1000 mm: P/N 911616100



Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 911604006



Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 911604007

CABLES:
D - DIMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)

Information subject to change without notice. HARMAN Professional Denmark ApS disclaims liability for any injury, damage, direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this document. Rev.A - 14-04-2021

GENERIC SYSTEM DIAGRAM – VDO DOTRON WITH P3 CONTROL (PowerPort 1000)



P3 Controllers



- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Dotron

Internal Video input, Art-Net, sACN



Martin P3-050 Controller™
Video signal processor
P/N 90721090

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Dotron

DVI Video input, DMX, Art-Net, sACN



Martin P3-150 Controller™
Video signal processor
P/N 90721015

- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Dotron

DVI or 3G-SDI Video input, DMX, Art-Net, sACN



Martin P3-300 Controller™
Video signal processor
P/N 90721060

- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 64 Art-Net universes
- Maximum 2000 VDO Dotron

Maximum 100m Ethernet Cable between any 2 devices (extendable via Gigabit Switch or conversion to fiber)

VDO Dotron generic layout

Martin P3 - PowerPort 1000™
Rental Model
P/N 90721070



N
N — To next P3 PowerPort

Hybrid Power+Data Cable Rental BBD-BBD

- P/N 91616041 (1m)
- P/N 91616024 (2.5m)
- P/N 91616042 (5m)
- P/N 91616043 (10m)
- P/N 91616044 (25m)
- P/N 91616045 (100m bulk cable)
- P/N 91611750 (BBD Male Connector)
- P/N 91611751 (BBD Female Connector)

VDO Dotron

P/N 90357690 – VDO Dotron, in cardboard box (Dome Front)

Total length from PowerPort to last VDO Dotron should be less than **50m** (include the cable tails on dots)



Hybrid Power+Data Cable Rental BBD-BBD

(Not required if VDO Dotron are mounted next to each other (<50cm))



Flat Front

Set of 10 Caps for Connector BBD Female

P/N 91616052



Dome Smoked Diffuser



Lens Array Narrow

Optical:

- P/N 91611804 - VDO Dotron Flat Front
- P/N 91611805 - VDO Dotron Flat Smoked Front
- P/N 91611806 - VDO Dotron Dome Diffuser
- P/N 91611807 - VDO Dotron Dome Smoked Diffuser
- P/N 91611808 - VDO Dotron Lens Array Narrow

Fixture type	Maximum permitted VDO Dotron per PowerPort 1000 output
VDO Dotron	Maximum number of VDO Dotron in chain 40 pcs
	Maximum total length of chain (fixtures and cables) 50m

Accessories:

VDO Dotron™ Flange Bracket: P/N 91611803



VDO Dotron™ to VDO Scepteron™/Fatron™ Coupler: P/N 91616071



VDO Dotron™ Half Coupler: P/N 91611802



VDO Dotron™ to VDO Scepteron™/Fatron™ Pivot Coupler: P/N 91616072



VDO Dotron MultiRig Bar, 1000 mm: P/N 91616100



Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 91604006

Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 91604007



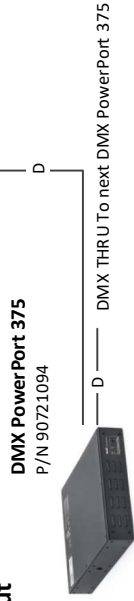
GENERIC SYSTEM DIAGRAM – VDO DOTRON WITH DMX CONTROL (DMX PowerPort 375)



DMX limitations (1 universe)

VDO Dotron (RGB Mode):	170 pcs
VDO Dotron (Basic Mode):	51 pcs

VDO Dotron generic layout



4-pin XLR-BBD Adaptor
P/N 91616046

Hybrid Power+Data Cable Rental BBD-BBD

- P/N 91616041 (1m)
- P/N 91616024 (2.5m)
- P/N 91616042 (5m)
- P/N 91616043 (10m)
- P/N 91616044 (25m)
- P/N 91616045 (100m bulk cable)
- P/N 91611750 (BBD Male Connector)
- P/N 91611751 (BBD Female Connector)

Total length from DMX PowerPort to last VDO Dotron should be less than **50m** (include the cable tails on dots)

VDO Dotron

P/N 90357690 – VDO Dotron, in cardboard box (Dome Front)

Optical:

- P/N 91611804 - VDO Dotron Flat Front
- P/N 91611805 - VDO Dotron Flat Smoked Front
- P/N 91611806 - VDO Dotron Dome Diffuser
- P/N 91611807 - VDO Dotron Dome Smoked Diffuser
- P/N 91611808 - VDO Dotron Lens Array Narrow

Hybrid Power+Data Cable Rental BBD-BBD

(Not required if VDO Dotron are mounted next to each other (<50cm))

- Flat Front
- Flat Smoked Front
- Set of 10 Caps for Connector BBD Female
P/N 91616052

Install blanking caps on all unused female connectors at end of chains (if outdoor)

Fixture type	VDO Dotron	Maximum permitted VDO Dotron per DMX PowerPort 375
		Maximum number of VDO Dotron in chain
		Maximum total length of chain (fixtures and cables)
	60 pcs	50m

Accessories:

- VDO Dotron™ Flange Bracket:** P/N 91611803
- VDO Dotron™ to VDO Scepter™/Fatron™ Coupler:** P/N 91616071
- VDO Dotron™ Half Coupler:** P/N 91611802
- VDO Dotron™ to VDO Scepter™/Fatron™ Pivot Coupler:** P/N 91616072
- VDO Dotron MultiRig Bar, 1000 mm:** P/N 91616100
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black:** P/N 91604006
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver:** P/N 91604007