

VC-Feeder



The VC-Feeder is a smart, multi-protocol driver box for the VC-Dot series. A compact design and IP65 rating make it perfectly suited for installation close to a string of VC-Dots. The VC-Feeder provides the string with clean, regulated power, even if the power supply is located far away. Compatibility with the P3 System Controller™ (via the P3 PowerPort 1500™) gives it high-quality image processing capabilities with extremely easy setup and configuration.

[How processing works for LED video](#)

Driver unit for VC-Dot products

Compatible with P3 and DMX

Easy cabling and configuration

GALLERY



FEATURES

TECHNICAL SPECIFICATIONS

Physical

Length: 164 mm (6.5 in.) including mounting ears
Width: 68 mm (2.7 in.)
Height: 36 mm (1.5 in.)
Weight: 590 g (1.3 lbs.)

Control and Programming

Control options: Martin P3 System Controller™ via Martin P3 PowerPort 1500™ and/or DMX
Protocol detection: Automatic
Product detection: Automatic
Control modes: Adapts to detected product
DMX channels: Adapts to detected product
Setting and addressing: P3 System Controller or RDM-compliant controller
DMX compliance: USITT DMX512-A
RDM compliance: ANSI/ESTA E1.20
Firmware update: Via P3 System Controller

Control/User Interface

Device status: Multicolor status LED
Device test and reset: Pushbutton to call up local test patterns and reset device

Video Processing

Brightness control
Gamma correction and control
Color temperature control
Calibration processing
Synchronization

Construction

Housing: Extruded aluminum
Protection rating: IP65
RoHS compliant

Installation

Orientation: Any
Surface mounting: Two M6 mounting slots
Truss mounting: M12 mounting hole for standard rigging clamp

Connections

Power & data input: 6-pin custom IP65-rated
Power & data thru: 6-pin custom IP65-rated
Power & data output: 8-pin custom IP65-rated

Electrical

Nominal input voltage: 48 VDC from Martin P3 PowerPort 1500™ or external PSU
Output voltage: 15 VDC
Maximum total power consumption: 135 W

Thermal

Cooling: Convection
Maximum ambient temperature (Ta max.): 55° C

Minimum ambient temperature (Ta min.): -20° C
Total heat dissipation (calculated, +/- 10%): 46 BTU/hr. (not including display devices but with system at full load)
Thermal monitoring: Integrated temperature sensor allowing thermal protection shutdown

Approvals

EU safety: EN 60950
EU EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3
US safety: ANSI/UL 60950-1
Canadian safety: CSA C22.2 No. 60950-1

Accessories

Input cables:

Hybrid Input Adapter Cable, 4-pin male XLR to 6-pin female IP65, 0.25 m (0.9 ft.): P/N 11840165
Hybrid Lead-In Adapter cable, 5-pin m. XLR + power (two wire tails) to 6-pin fem. IP65, 0.25 m (0.9 ft.): P/N 11840174
Hybrid Input Adapter Cable, 5-pin male XLR + Triplex Power IP66 to 6-pin female IP65, 0.25 m (0.9 ft.): P/N 11840195

Extension cables:

Hybrid Extension Cable, IP65 to IP65, 1 m (3.3 ft.): P/N 11840167
Hybrid Extension Cable IP65 to IP65, 2.5 m (8.2 ft.): P/N 11840168
Hybrid Extension Cable, IP65 to IP65, 5 m (16.4 ft.): P/N 11840169
Hybrid Extension Cable, IP65 to IP65, 10 m (32.8 ft.): P/N 11840170
Hybrid Extension Cable, IP65 to IP65, 25 m (82.1 ft.): P/N 11840164

Output/throughput cables:

Hybrid Output Adapter Cable, 6-pin male IP65 to 4-pin female XLR, 0.25 m (0.9 ft.): P/N 11840166
Data Out/Thru Adapter Cable, 6-pin m. IP65 to 5-pin fem. XLR, 0.25 m (0.9 ft.): P/N 11840202

Loose Hybrid Cable and Connectors:

Hybrid Cable Without Connectors, 100 m (328.1 ft.): P/N 11840204
Hybrid Cable Connector, IP65, user-installable, male: P/N 05343522
Hybrid Cable Connector, IP65, user-installable, female: P/N 05323538

Rigging hardware:

G-clamp: P/N 91602003
Half-coupler clamp: P/N 91602005
Quick trigger clamp: P/N 91602007

*Hybrid cables carry power and data over separate conductors:
IP65 connectors are custom items:*

Related Items

Martin VC-Dot 1™
Martin VC-Dot 4™
Martin VC-Dot 9™
Martin P3-050™ System Controller: P/N 90721090
Martin P3-100™ System Controller: P/N 90721010
Martin P3-150™ System Controller: P/N 90721015
Martin P3-200™ System Controller: P/N 90721020
Martin P3-300™ System Controller: P/N 90721060
Martin P3-PC™ System Controller: P/N 90721030
Martin P3 PowerPort 1500™: P/N 90721040
Martin P3™ PowerPort 1000 IP Installation: P/N 90721080
Martin P3™ PowerPort 1000 IP Rental: P/N 90721070
Martin™ IP66 PSU 240 W external power supply unit: P/N 90760330

Ordering Information

VC-Feeder™: P/N 90357040

