



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.

Driver unit for VC-Dot products

Compatible with P3 and DMX

Easy cabling and configuration

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., system at full load, full intensity

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 P3-100™ System Controller: P/N 90721010

Martin P3-200™ System Controller: P/N 90721020

Martin P3-PC™ System Controller: P/N 90721030

Martin P3 PowerPort 1500™: P/N 90721040

Martin™ IP66 PSU 240 W external power supply unit: P/N 90760330

Ordering Information

VC-Feeder™: P/N 90357040

