MatrixPRO-II DVI 16x16
Quick Start Guide

**Technical Support
(Europe, Middle East, Asia)**

Telephone: 0800900410

Website: www.barco.com/support/eSupport.aspx

Technical Support (USA)

Telephone: (866) 374-7878
6 am to 10 pm (PST) 7 days/week

Websites: www.barco.com
www.barco.com/esupport

Menu Display
Use Func Key for System Set-Up and Link Key to make Input/Output connections

Control Keys
- Link Key to Set-Up Video Routings
- Link then Shift to remove Routing
- Func Key for System Set-up
- SHIFT ON PRESET -pressing Shift then Func key will allow you to save or load a preset routing

Menu Navigation
Input keys 1 thru 6 are used to navigate in the Function Menu

Input Selection Section
Provides 16 DDC/HDCP Compliant DVI Inputs

Reset Switch
This switch puts the unit into reset mode. Unplug the AC power cord to power the unit off completely

Output Selection Section
Provides 16 DDC/HDCP Compliant DVI Outputs

DISPLAY
MP-II DVI 16x16

LINK — SHIFT ON UNLINK
FUNC — SHIFT ON PRESET
ENTER
SHIFT

INPUT
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

OUTPUT
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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Setting Up Video Routings

The MatrixPRO-II DVI 16x16 Router uses a more efficient method of routing. A Video Input can be linked to multiple Outputs with a single entry. Follow the steps below to set-up a Video Routing from the front panel.

- Press the "Link" key
- Select the Input Channel Number using the "Input" Keys
- Using the "Output" Keys, select all outputs you would like to route the input to. *(pressing the output key again will de-select that output)*
- Press the Enter Key after selecting your Outputs to store your Video Routing

To Clear a routing from the front panel
- Press the "Link" key then Press the "Shift" Key
- "UnLink" should appear on the display
- Press the "Input" key you would like to clear the routings for.
- Press the Enter Key to clear all outputs associated with the "Input" you selected.

System Set-Up

The MP-II DVI 16x16 Router System settings and functions listed below can be changed using the "FUNC" Key. Pressing the FUNCTION key will allow you to cycle through the following features:

- Monitoring Output
- Video Generator
- EDID Configure
- HDCP Configure
- Control Lock
- Gateway
- Subnet Mask
- IP Address
- MAC Address *(fixed value, can not be changed from front panel)*
- UDP Port Number *(fixed value, can not be changed from front panel)*
- Baud Rate
- Factory Reset

Remote Configuration and Control

PC Program Operation
- A PC Program has been included on the MP-II DVI product CD. This program provides a user friendly graphic interface (GUI) alternative to front panel and command input operation. Additional info on this software can be found in section 5 of the User's Guide.
- To install the program on your PC just run the MPII-DVISetup program that is located in the MPII-DVI folder on the product CD.

Web Control Panel Operation
- The Web control panel provides a user-friendly GUI and easy access to control the MP-II DVI. Additional information on the Web Control Panel can be found in section 6 of the User's Guide.
- To launch the Web control panel connect your PC to the MP-II DVI through a switch or hub. A direct connection can be made from a PC to the MP-II DVI but may require a crossover cable. Set-up your PC Network Properties as instructed in section 3.1 of the User's Guide.
- Launch your web browser and enter the IP address of the MP-II DVI 16x16 into the URL address line. The factory default IP address of the router is 192.168.0.246

![BARCO] **Visibly yours**
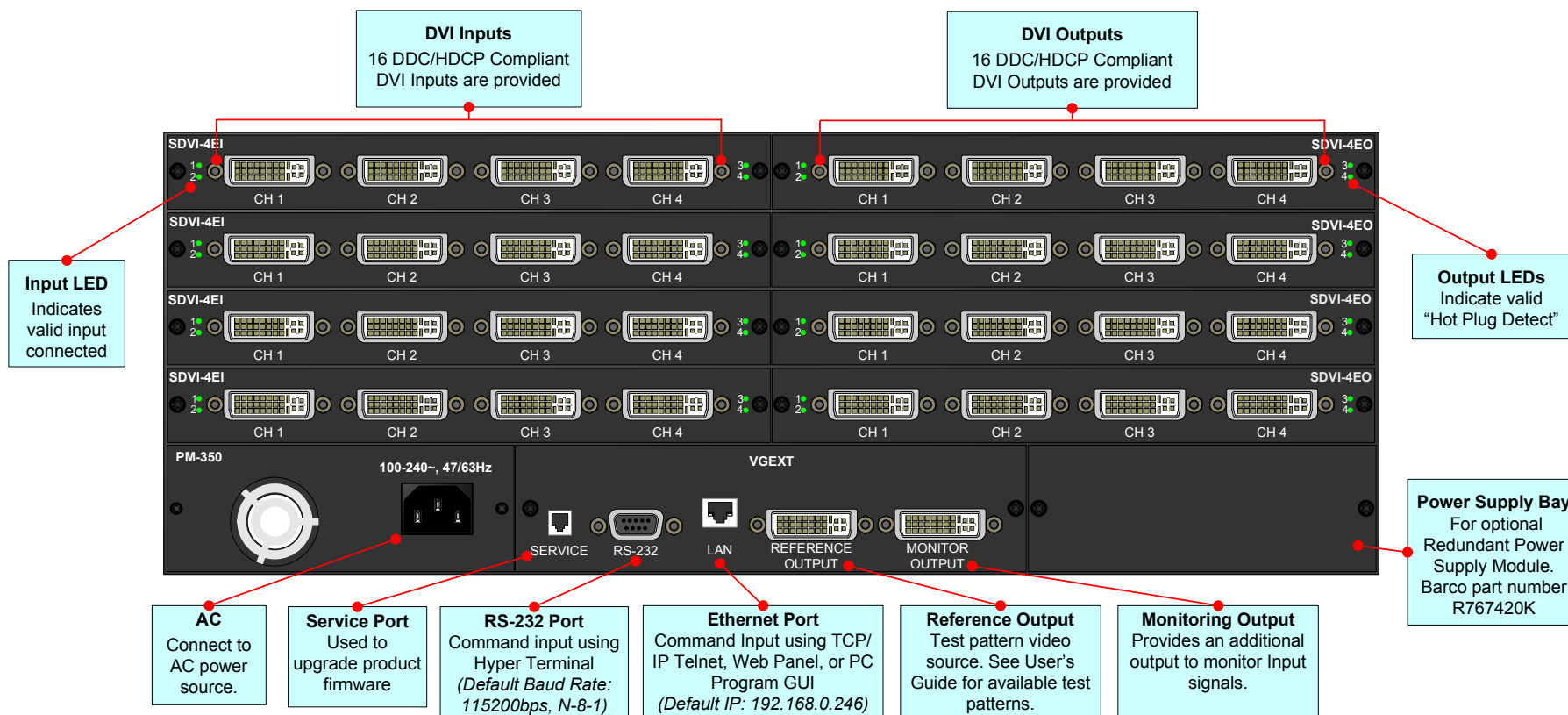
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DVI Inputs
16 DDC/HDCP Compliant DVI Inputs are provided

DVI Outputs
16 DDC/HDCP Compliant DVI Outputs are provided

Input LED
Indicates valid input connected

Output LEDs
Indicate valid "Hot Plug Detect"

SDVI-4EI — CH 1 CH 2 CH 3 CH 4
SDVI-4EO — CH 1 CH 2 CH 3 CH 4

PM-350   100-240~, 47/63Hz   VGEXT

SERVICE   RS-232   LAN   REFERENCE OUTPUT   MONITOR OUTPUT

Power Supply Bay
For optional Redundant Power Supply Module. Barco part number R767420K

AC
Connect to AC power source.

Service Port
Used to upgrade product firmware

RS-232 Port
Command input using Hyper Terminal
(Default Baud Rate: 115200bps, N-8-1)

Ethernet Port
Command Input using TCP/IP Telnet, Web Panel, or PC Program GUI
(Default IP: 192.168.0.246)

Reference Output
Test pattern video source. See User's Guide for available test patterns.

Monitoring Output
Provides an additional output to monitor Input signals.

Remote Configuration and Control

Command Input

- The MP-II DVI 16x16 Router can also be controlled using Command codes that are in an ASCII String format. These strings can be sent to the Router through a RS-232 or TCP/IP connection. The commands can be found in section 7 of the User's Guide.

- RS-232 default settings:
  - Bits per second (baud rate): 115200 (115200 is default baud rate of MATRIXPRO-II DVI 16x16)
  - Data bits: 8
  - Parity: None
  - Stop bits: 1
  - Flow control: None

Upgrading Firmware

- Product firmware updates are available on the Barco website at www.barco.com. Go to Image Processing and then to Matrix Switchers

- The MegaBoot.exe software is used when downloading new firmware to the MatrixPRO-II DVI Router. The software can be run on a PC with Windows 7, as an Administrator or on a PC with windows XP.

- Connect your PC to the service port using the RJ11 to DB9 serial download cable provided. Your PC serial COM port must be set 38400bps baud rate when performing firmware updates through the service port.

- For detailed instructions on updating the product firmware see section 8 of the User's Guide.

Features

- Supports Entire family of Barco Encore Controllers
- 4RU 19" rack mountable chassis
- DDC/HDCP Compliant
- Ability to Enable and Disable HDCP for each Input
- Additional DDC/HDCP Compliant Monitor Output
- Optional Redundant Power Supply

IMPORTANT For HDCP sources, ensure the Output Display device is HDCP-compliant. Otherwise, the display device will be blacked when protected content is selected to be shown on that output.