DVPHD

High Definition Digital Video Processor

1 Get Started

A. Check Contents

Depending on the configuration you ordered, you should have received:

DVPHD-PRO, DVPHD-QUAD, DVPHD-DUAL or DVPHD-PRO-SDI

DVPHD Operations Guide
DVPHD Quickstart Guide (this guide)
Operations Guide(s) for:
    DHDC-RBBVI Card
    DHDC-RGBO Card
    DHDC-BNCVIS Card
    DHDC-SDIVI Card

Parts bag(s) containing connecting hardware, cables and adapters.

NOTE: This system has specific out-of-the-box functionality that is outlined in this guide. No programming is required to get started.

B. Required Equipment and Tools

The following items are not supplied and are needed to complete the installation:

- CAT5/5E cables for Ethernet connections
- Cresnet® cable for network connection of Crestron® devices throughout the installation
- Grounding wire (16 AWG) for connection to earth ground
- Wire lug to attach the ground wire to the device
- Appropriate hand tools (wire cutters, screwdrivers)
- USB cable to mouse or touchscreen input
- USB or serial mouse
- Video display device
- Video source(s)

NOTE: In order to ensure optimum performance over the full range of your installation, only Crestron Certified Wire may be used for Cresnet and CAT5 connections. Failure to do so may incur additional charges if support is required to identify performance deficiencies arising due to use of improper wire.

C. Before You Proceed

CAUTION: Do not connect power cords until instructed to do so.

NOTE: Before beginning any of these Quickstart procedures, ensure all appropriate Cresnet cables are installed throughout your site.

D. Environment

The DVPHD should be used in a well ventilated area. The venting holes should not be obstructed under any circumstances.

To prevent overheating, do not operate this product in an area that exceeds the environmental temperature range listed in the DVPHD Operations Guide. Consider using forced air ventilation and increasing the spacing between units to reduce overheating.

2 Hardware Hookup

A. Connect to a PC

To use the Crestron Toolbox™ DVPHD Tool to upload firmware, a SIMPL Windows program or a VT Pro-e® project, connect the **COMPUTER** port on the DVPHD to the USB port on your PC via the included USB Type A to USB Type B cable.

USB

B. Connect to Your System

Connect a grounding wire (16 AWG) to the grounding screw on the rear of the unit using an appropriate wire lug.
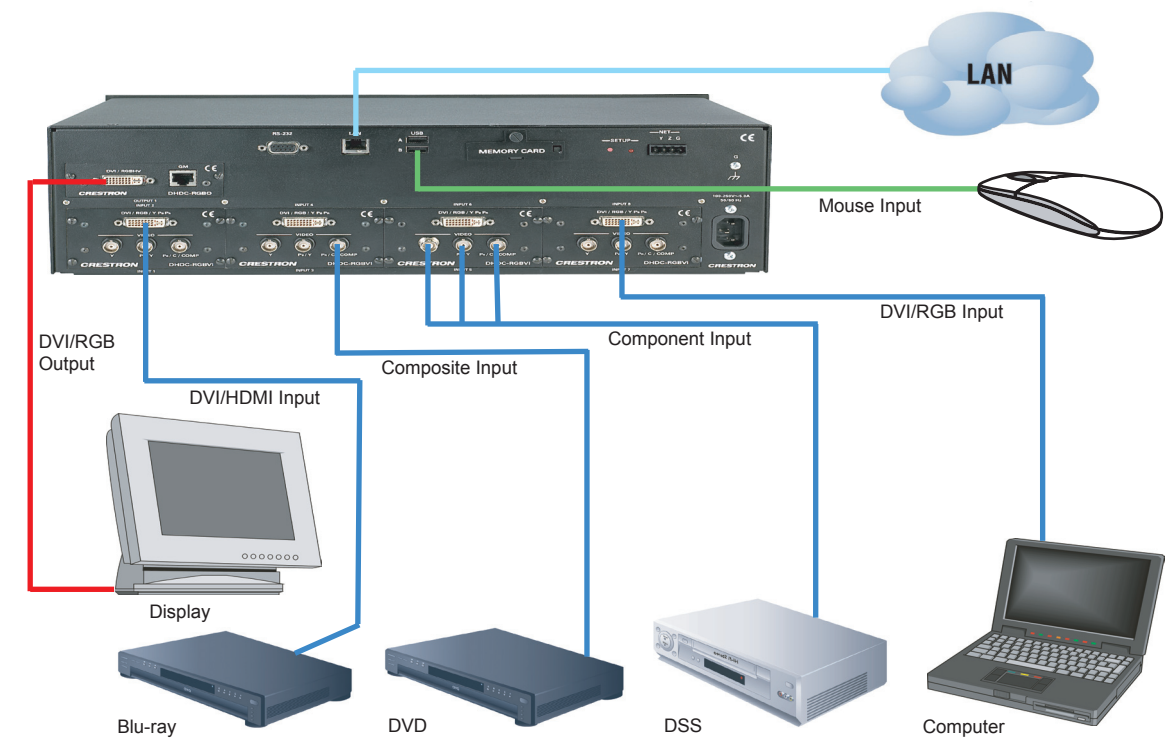
Connect a display device to the DVI/RGBHV output using a cable with a male DVI-I connector or DB15HD adapter (included).

Connect video input devices to DVI or BNC connectors as appropriate for the device.

Connect a mouse or touchscreen to the USB port using a cable with a USB Type A male connector. A serial port is provided for legacy touchscreens.

Connect the DVPHD to a DHCP enabled LAN. Firmware, a SIMPL Windows program or a VT Pro-e project can then be uploaded.

For details, refer to the latest version of the DVPHD or DVPHD-CUSTOM-GB Operations Guide (Doc. 6545 or 6883). These are available from the Crestron Web site (www.crestron.com/manuals).

LAN

DVI/RGB Output
DVI/HDMI Input
Display
Blu-ray
DVD
DSS
Computer
Composite Input
Component Input
DVI/RGB Input
Mouse Input

For details, refer to the latest version of the **DVPHD** or **DVPHD-CUSTOM-GB** Operations Guide, Doc. 6545 or 6883.

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Specifications subject to change without notice.

CRESTRON®

quickstart guide

3 **Setup**

Connect the power cable to the DVPHD and supply 100-240 VAC, 50-60 Hz. After a few seconds, "Booting Up..." will appear on the display. When boot up is complete, the DVPHD firmware version, date and time, inputs 1 and 2 and BKLT (backlight) will be displayed.
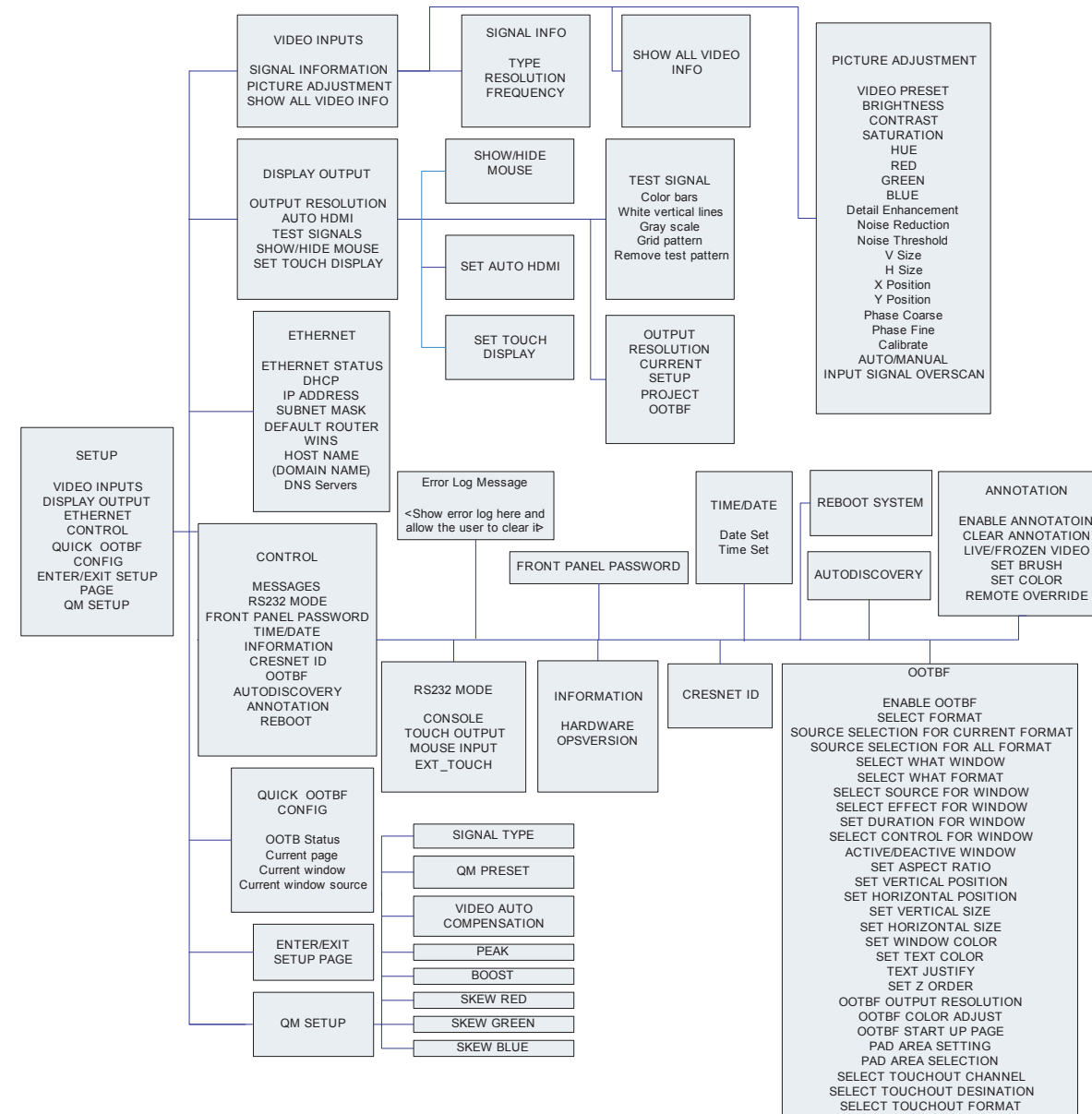
Press the **ENTER** button to access the "SETUP" menu for quick, out-of-the-box functionality (OOTBF) setup:

1. Select QUICK OOTBF CONFIG from the "SETUP" menu and press the **ENTER** button.

2. Press display button **1** to enable or disable OOTBF.

3. Press display button **2** to select the screen configuration (number of screens, size and position) for the input selected by the input buttons.

4. Press display button **3** to select the current video window. This allows assigning an input to the window using the input buttons.

5. Press display button **4** to set the current input source to none, making the video window invisible.

6. Use input buttons **1** through **8** to choose between the installed video sources.

By default, the DVPHD starts with the 3x3 page layout on the video display. To change this, select the desired output and press the **ENTER** button.

For advanced setup information and operational details, refer to the latest version of the DVPHD or DVPHD-CUSTOM-GB Operations Guide.

The overall front panel menu structure of the DVPHD is shown in the illustration to the right.

VIDEO INPUTS
SIGNAL INFORMATION
PICTURE ADJUSTMENT
SHOW ALL VIDEO INFO

SIGNAL INFO
TYPE
RESOLUTION
FREQUENCY

SHOW ALL VIDEO INFO

PICTURE ADJUSTMENT
VIDEO PRESET
BRIGHTNESS
CONTRAST
SATURATION
HUE
RED
GREEN
BLUE
Detail Enhancement
Noise Reduction
Noise Threshold
V Size
H Size
X Position
Y Position
Phase Coarse
Phase Fine
Calibrate
AUTO/MANUAL
INPUT SIGNAL OVERSCAN

DISPLAY OUTPUT
OUTPUT RESOLUTION
AUTO HDMI
TEST SIGNALS
SHOW/HIDE MOUSE
SET TOUCH DISPLAY

SHOW/HIDE MOUSE

TEST SIGNAL
Color bars
White vertical lines
Gray scale
Grid pattern
Remove test pattern

SET AUTO HDMI

SET TOUCH DISPLAY

OUTPUT RESOLUTION CURRENT SETUP
PROJECT
OOTBF

ETHERNET
ETHERNET STATUS
DHCP
IP ADDRESS
SUBNET MASK
DEFAULT ROUTER
WINS
HOST NAME
(DOMAIN NAME)
DNS Servers

SETUP
VIDEO INPUTS
DISPLAY OUTPUT
ETHERNET
CONTROL
QUICK OOTBF CONFIG
ENTER/EXIT SETUP PAGE
QM SETUP

Error Log Message
<Show error log here and allow the user to clear it>

FRONT PANEL PASSWORD

TIME/DATE
Date Set
Time Set

REBOOT SYSTEM

AUTODISCOVERY

ANNOTATION
ENABLE ANNOTATOIN
CLEAR ANNOTATION
LIVE/FROZEN VIDEO
SET BRUSH
SET COLOR
REMOTE OVERRIDE

CONTROL
MESSAGES
RS232 MODE
FRONT PANEL PASSWORD
TIME/DATE
INFORMATION
CRESNET ID
OOTBF
AUTODISCOVERY
ANNOTATION
REBOOT

RS232 MODE
CONSOLE
TOUCH OUTPUT
MOUSE INPUT
EXT_TOUCH

INFORMATION
HARDWARE
OPSVERSION

CRESNET ID

OOTBF
ENABLE OOTBF
SELECT FORMAT
SOURCE SELECTION FOR CURRENT FORMAT
SOURCE SELECTION FOR ALL FORMAT
SELECT WHAT WINDOW
SELECT WHAT FORMAT
SELECT SOURCE FOR WINDOW
SELECT EFFECT FOR WINDOW
SET DURATION FOR WINDOW
SELECT CONTROL FOR WINDOW
ACTIVE/DEACTIVE WINDOW
SET ASPECT RATIO
SET VERTICAL POSITION
SET HORIZONTAL POSITION
SET VERTICAL SIZE
SET HORIZONTAL SIZE
SET WINDOW COLOR
SET TEXT COLOR
TEXT JUSTIFY
SET Z ORDER
OOTBF OUTPUT RESOLUTION
OOTBF COLOR ADJUST
OOTBF START UP PAGE
PAD AREA SETTING
PAD AREA SELECTION
SELECT TOUCHOUT CHANNEL
SELECT TOUCHOUT DESINATION
SELECT TOUCHOUT FORMAT

QUICK OOTBF CONFIG
OOTB Status
Current page
Current window
Current window source

SIGNAL TYPE

QM PRESET

VIDEO AUTO COMPENSATION

PEAK

BOOST

ENTER/EXIT SETUP PAGE

QM SETUP

SKEW RED

SKEW GREEN

SKEW BLUE

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4 **Ship With Labels**

The labels shown here are shipped with the DVPHD and can be inserted above the display and input buttons on the face of the unit.

Ship With Display Label for QUICK OOTBF CONFIG

OOTBF ENABLE	PAGE SELECT	WINDOW SELECT	NO INPUT

Ship With Input Label for QUICK OOTBF CONFIG

INPUT 1 BNC	INPUT 2 DVI	INPUT 3 BNC	INPUT 4 DVI	INPUT 5 BNC	INPUT 6 DVI	INPUT 7 BNC	INPUT 8 DVI

For details, refer to the latest version of the **DVPHD** or **DVPHD-CUSTOM-GB** Operations Guide, Doc. 6545 or 6883.

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