

# QUICK START GUIDE

## DPH104

Ref. DPH104



**ANALOG WAY**  
Pioneer in Analog, Leader in Digital

Thank you for choosing **Analog Way** and **DPH104**. By following these simple steps, you will be able to set up and use your 4K image processor with your Analog way LivePremier image processor or Picturall media server within minutes.

### WHAT'S IN THE BOX

- 1 x **DPH104**
- 1 x Power supply cord
- 1 x Rack mount kit
- 1 x Quick start guide\*

\* Quick start guides are also available on [www.analogway.com](http://www.analogway.com)

**Register your product**

Go on our website to register your product(s) and be notified about new firmware versions:  
<http://bit.ly/AW-Register>

### CAUTION!

The use of rear rack support slide rails for all rack mounted applications is highly recommended. Damage caused by improper rack mounting will not be covered under warranty.

### DPH104 / FRONT & REAR PANELS DESCRIPTION



**On/Off - Standby button:** Hold for standby mode. Short press to show/hide OSD in outputs.

**USB port:** Connect to computer for firmware update.

**Power supply:** 100-240 VAC 50/60Hz 2.2A; max consumption: 30W

**Input:** 1x DisplayPort 1.2

**Outputs:** 4x HDMI 2.0

**Device status LEDs:** Check the following table for details.

Device	Inputs	Outputs	HDCP	Description
•	•	•	•	Device OK including HDCP compatibility
•	•	•	Off	Device OK (no HDCP)
•	Fade •	Fade •	any	OSD enabled in all outputs
Off	Off	Off	Off	Device is switched off
Blink •	Off	Off	Off	Device is in standby mode
•	Off	Off	Off	Device is booting
Blink •	any	any	any	Minor alarm on the device (ex: high temperature)
Blink •	any	any	any	Major alarm on the device. If persistent, contact Analog Way support
•	Off	Off	Off	No input detected
•	•	Off	Off	No output detected
•	•	Off	Off	Input signal format is invalid
•	•	•	any	At least one output does not support signal format
•	•	•	any	All outputs do not support signal format
•	•	•	•	At least one output has HDCP incompatibility
•	•	•	•	Input is protected by HDCP and at least one output has HDCP incompatibility
Blink •	Blink •	Blink •	Blink •	Device update. LEDs cycle during the update
•	•	•	•	Device is out of order. Contact Analog Way support

## DESCRIPTION

**DPH104** is able to convert with no added latency, one 4K DisplayPort output from a LivePremier unit or Picturall media server to four independent HDMI 1080p outputs (or 4x 1920x1200). All of the outputs on DPH104 can be used with native resolution just as if directly connected to the unit.

DPH104 supports HDR, audio management, HDCP1 and HDCP2.

- **Use the DPH104**

Connect the input, outputs and power supply, then start the DPH104.

DPH104 enables **Splitter mode** or **Slicer mode** depending on the input format.

- **Splitter mode** (1x 1920x1080 copied to up to 4x 1920x1080 or 1x 3840x2160 copied to up to 4x 3840x2160).

Splitter mode does not require any specific setup.

DPH104 is designed to automatically split the content when the input format is 1920x1080 or 3840x2160.

- **Slicer mode** (divide a content into 4 outputs with same format)

Slicer mode requires a specific setup in the LivePremier Web RCS or Picturall Web Configurator.

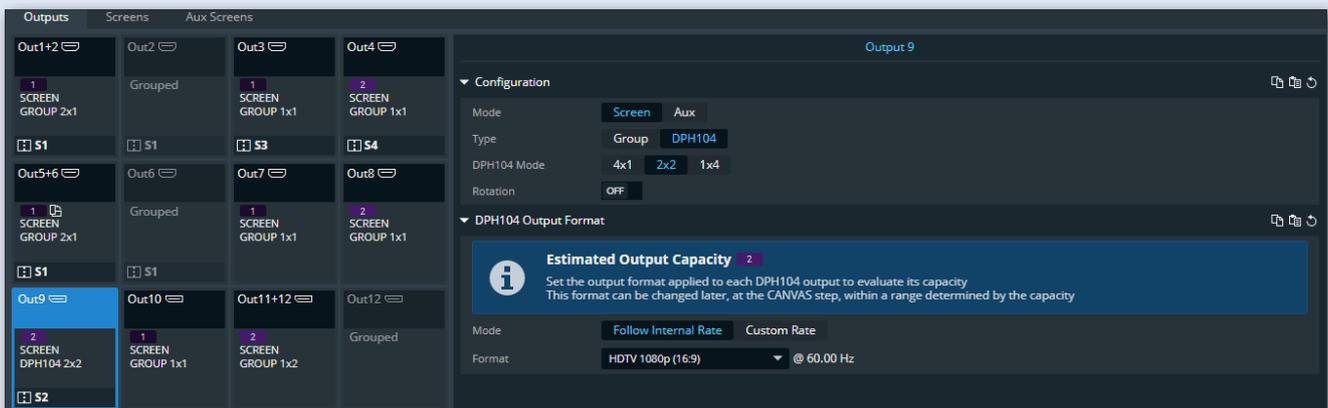
The output resolutions supported for Slicer mode are four times 1920x1080 or 1920x1200.

Resolutions other than the ones mentioned above are not supported by DPH104.

## USE DPH104 WITH LIVEPREMIER

Open the Web RCS and access the LivePremier device.

1. Go to Preconfig > Screens / Aux Screens > Outputs tab, click a DisplayPort output connected to a DPH104.
2. In **Configuration**, select **Screen mode** and **DPH104** type.
3. Select the Layout (**4x1**; **2x2** or **1x4**).
4. If needed, enable rotation for every output of the DPH104.
5. In **DPH104 Output Format**, set the resolution and rate applied to every output of the DPH104.



DPH104 is set to Slicer mode and is ready for use.

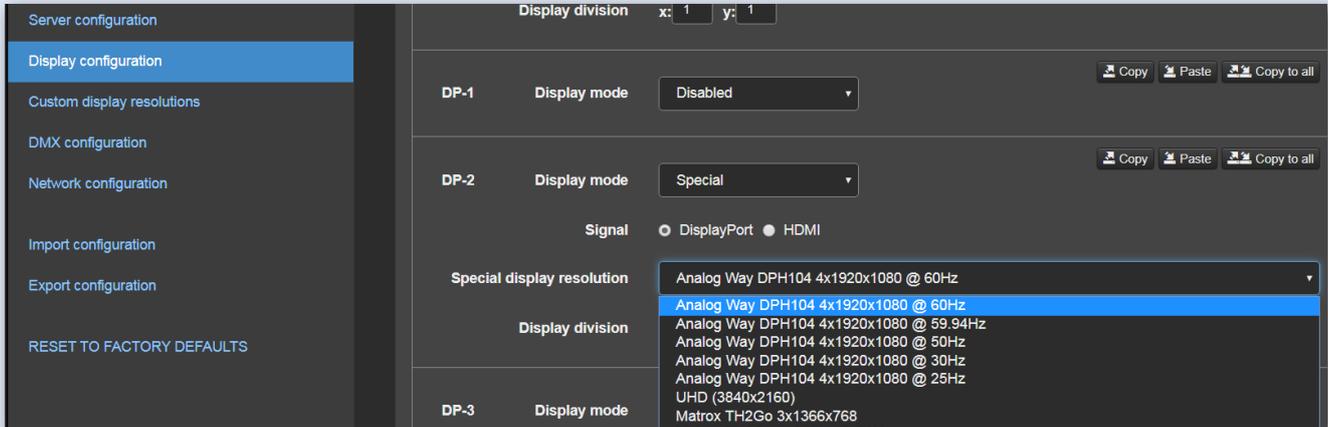
6. In the Screens tab, enable a Screen and set the Layer mode.
7. Assign the DPH104 output to the Screen, add layers and apply the configuration.
8. Go to Preconfig > Canvas, position the outputs and set the Screen canvas.

**Note:** When connecting the DPH104 outputs to multiple video projectors, the LivePremier Web RCS can set outputs overlap. However, blending adjustments must be set using the projectors.

## USE DPH104 WITH PICTURALL MEDIA SERVER

Enter the Web Configurator or Configuration mode on the Picturall media server.

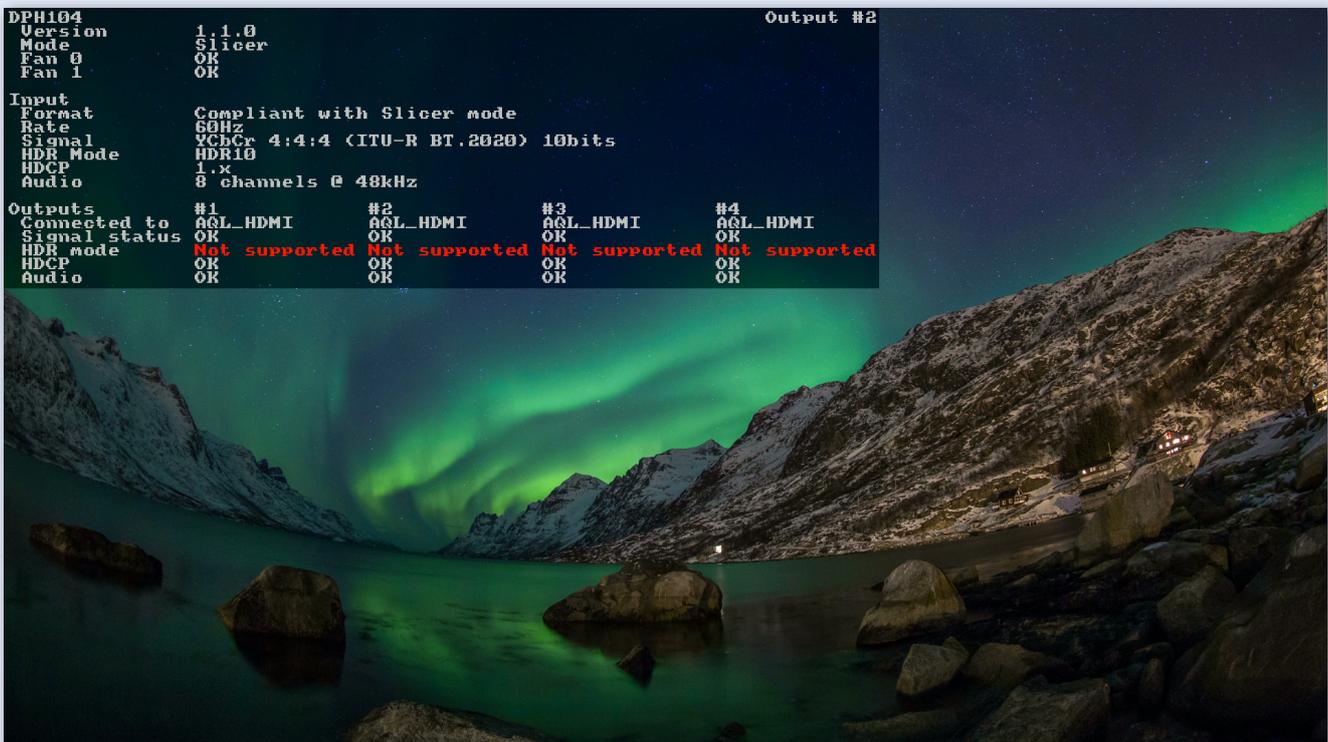
1. Go to **Display configuration**.
2. Select the DisplayPort output using the DPH104.
3. In Display mode, select **Special**.
4. In Special display resolution, select **Analog Way DPH104** with needed resolution and rate.
5. Save configuration and reboot the Picturall media server.



## DPH104 ON-SCREEN DISPLAY (OSD)

DPH104 can display information and statuses in the top-left corner of each output.

- Short press the Standby button to show/hide OSD.



## FIRMWARE UPGRADE

**Prerequisites:** Laptop computer, USB cable (A-male to B-male), physical access to the DPH104.

**Note:** Do not connect the computer to the DPH104 before installing the DPH Updater.

1. Download the DPH Updater and the latest DPH104 firmware on [www.analogway.com](http://www.analogway.com)
2. Install the DPH Updater on the computer.
3. Run the DPH Updater then got to **File > Open AWP File**.
4. Browse computer files and select the DPH104 firmware.
5. Connect the computer to the DPH104 with a USB cable and turn the DPH104 on.
6. Click **Start** to upgrade the DPH104.

## TROUBLESHOOTING - DPH104 CONNECTION ERROR

**Symptom:** The computer cannot connect to the DPH104 (Windows OS).

**Cause:** DPH104 is recognized as Bossa Program. The DPH104 was connected to the computer before installing the DPH104 driver.

**Prerequisites:** Laptop computer, USB cable (A-male to B-male), physical access to the DPH104.

1. Download the DPH Updater and the latest DPH104 firmware on [www.analogway.com](http://www.analogway.com)
2. Install and run the DPH Updater on the computer.
3. Connect a computer to the DPH104 with a USB cable and turn the DPH104 on.
4. Open the **Device Manager** (Press Windows key then enter *Device Manager*).
5. Find **Ports (COM & LPT) > Bossa Program Port (COM5)**.
6. Right-click **Bossa Program Port (COM5)** then click **Update driver**.  
The Update Drivers window is displayed.
7. Click **Browse my computer for driver software**.
8. Click **Let me pick from a list of available drivers on my computer**.
9. Select **DPH Usb Driver**.
10. Click **Next**.

The computer is now correctly connected to the DPH104.

## WARRANTY AND SERVICE

This **Analog Way** product has a 3 year warranty on parts and labor (back to factory). Broken connectors are not covered by warranty. This warranty does not include faults resulting from user negligence, special modifications, electrical surges, abuse (drop/crush), and/or other unusual damage. In the unlikely event of a malfunction, please contact your local **Analog Way** office for service.

## GOING FURTHER WITH THE DPH104

For complete details and operations procedures, please refer to the **LivePremier** and **Picturall Media Server** User Manuals and our website for further information: [www.analogway.com](http://www.analogway.com)