unIFY Control Panel

unHX2D Configuration

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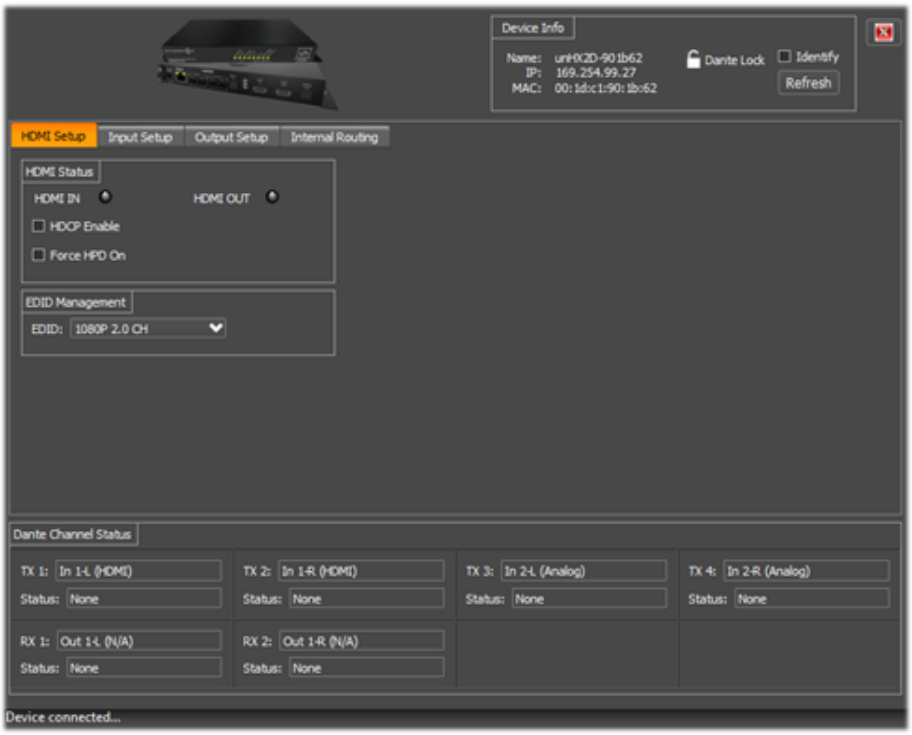
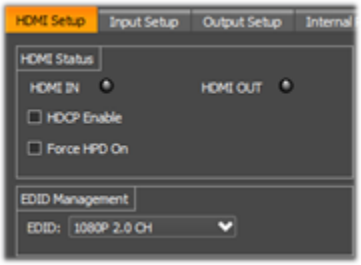


HDMI Setup



The unHX2D allows HDMI audio sources to be de-embedded and re-embedded from/to the HDMI I/O on the device. The HDMI Setup controls all the following configuration and status monitoring.

HDMI Status

A green indicator indicates and connected HDMI input source or HDMI output sink device.

A yellow indicator on the HDMI input status LED indicates a connected source, with HDCP disabled on the unHX2D input.

HDCP Enable

The unHX2D allows HDCP to be disabled on the unHX2D HDMI input. This does not unencrypt copy protected content, but rather is used to signal to source devices such as Apple computers that the eventual sink device (monitor, projector) does not support HDCP.

Default = HDCP Enabled

Force HPD On

HPD (Hot Plug Detect) is used in HDMI repeaters to signal the presence and removal of a connected sink to the original source device. In some cases, it is desirable to de-embed the HDMI audio content without a connected sink device. In this setup, the installer should force HPD on to ignore the lack of a connected sink device.

Default = HPD Force disabled

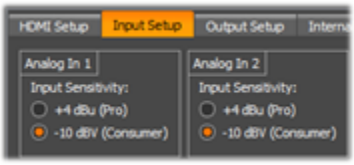
EDID Management

The EDID setting for the unHX2D provides the source device an indication of the acceptable formats for use with the unHX2D. The settings are limited to advertise 2 channel PCM for artifact free audio de-embedding. The following settings are the possible options.

EDID Description
1080p / 2CH PCM (Default)
1080i / 2CH PCM
3D / 2CH PCM
4K / 2 CH PCM

It is recommended to use manual configuration and forcing of the EDID to 2 CH PCM modes where possible. Choosing the “Copy Through” EDID setting allows for the possibility of compressed multichannel content to be de-embedded, however the unHX2D cannot decode this content and will create considerable distortion and possibly damaging signal to downstream amplifiers/speakers receiving this errant audio content.

Analog Input Setup



The unHX2D supports connectivity for 2 analog audio inputs. The input sensitivity can be set independently for each channel for the appropriate connected audio device (Pro or Consumer line level). The default is -10dBV nominal (Consumer).

Audio Output Setup

The unHX2D supports connectivity for analog audio outputs, HDMI audio output and Dante™ audio outputs.

Each channel features independent volume control and mute functions with a mono mixdown option for the Dante™ output channels.

In addition, a configurable 400ms lip sync delay can be adjusted as well as bypassed for the Dante™ output channels 1 and 2.

Internal Routing Matrix

The unHX2D supports and internal stereo audio routing matrix, with adjustable -100 to 0dB mix levels from any input to any output.

Enabling the “Mirror HDMI In to SPDIF” out check box will remove the ability to embed audio to the HDMI audio output and all of the associated HDMI Out mix controls will be disabled until the installer disables the SPDIF output mirroring.

Dante™ Subscription Status

The current Dante™ receiver and transmitter assignments are shown in this section for convenience. Note that these are read only controls and all routing assignments must be performed in Dante™ Controller or other 3rd party Dante™ routing software.