

# XHD-3903

## HDTV Conversion Platform

# Quick Start

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You can set parameters on the XHD-3903 using either card-edge controls or CCS-enabled software and devices. Follow these quick steps to configure the video and audio settings for your XHD-3903 module.

## Video Settings

1. If you need on-screen display of the module's parameters, do either of the following:
  - Hold down the **Escape** button for five seconds
  - In CCS, select: **Video > Output > Other > On Screen Display > (toggle Off/On)**.The on-screen display appears in the **SDI 2** output.
2. Select the frame rate of the output video by following **Video > Output > Global Frame Rate** (auto-detection is not available in the fast-switching mode).
  - **Auto, 25/50 Hz** detects the input frame rate and offers a corresponding output, but in the event of no signal, outputs a 25/50 signal.
  - **Auto, 29/59 Hz** (default) detects the input frame rate and offers a corresponding output, but in the event of no signal, outputs a 29/59 signal.
  - **25/50** always outputs a 25/50 signal, but when an incompatible input signal is detected, the input signal is treated as loss-of-video.
  - **29/59** always outputs a 29/59 signal, but when an incompatible input signal is detected, the input signal is treated as loss-of-video.
3. Set the output signal standard in the **Output Video Standard Select** parameter (**Video > Output > Output Video Standard Select**).
4. Connect the input video signal to the **SDI In 1** and/or **SDI In 2** connection on the back module.
5. In the **Primary Video Source** parameter (**Video > Output**), select your source.
6. If you are using frame synchronization, connect a reference signal to the **REF** input connector on the back module.
7. In the **Reference Source** parameter (**Reference > Reference Source**), select **External Sync**.

## Audio Settings

1. Select **Balanced** or **Unbalanced** AES input (**Audio > Input > AES Balanced/Unbalanced Select**).
2. In the input **Routing** parameter (**Audio > Input > Routing**), select AES or embedded audio for SRCs 1 to 16.
3. In the output **Routing** parameter (**Audio > Output > Routing**), set SRCs 1 to 16 to embedded (**Mux Group**) or AES outputs.
4. Set the audio reference by selecting **Reference > DARS Source**.

The default **Auto** setting gives priority to video sync over DARS. If you wish to use DARS as your reference source, you must select **DARS** instead of **Auto**.

By default, the **XHD-3903** parameters will appear in the **SDI 2** output signal. To disable this feature, follow this path:

**Video > Output > Config > On Screen Display >** (toggle **Off/On**). At the card-edge, you can enable this feature by holding down the **Escape** button for five seconds.