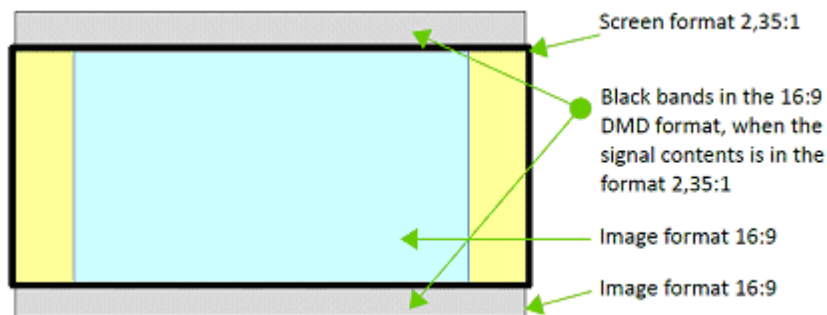# SIM2 *ELECTRONIC PERFECT FIT* (E-PF)
on the Crystal 4 S*h* Superhybrid
to accommodate both anamorphic and 16:9 images on a screen

The Crystal 4 S*h* is able to project images with screen formats either anamorphic and 16:9 both matching an anamorphic screen
Here below are the instructions for setting up the projector to display both screen formats to an anamorphic screen (2,35:1 or similar).

<u>This procedure is used in case you have a fixed anamorphic screen, or a motorized horizontal masking screen.</u>

Below the typical setup when there is a screen format of 2,35:1, or similar.
<u>The projector needs to be positioned in the room to accommodate the 2:35 screen. The 16/9 being smaller will be fine</u>.

Set up of different formats on Crystal 4 S*h*

There are 2 options to adjust the image format to the screen:

1. Via serial interface, by sending the proper serial code to the projector

2. Via On Screen Display, by using the remote control

Here below both the adjustment options

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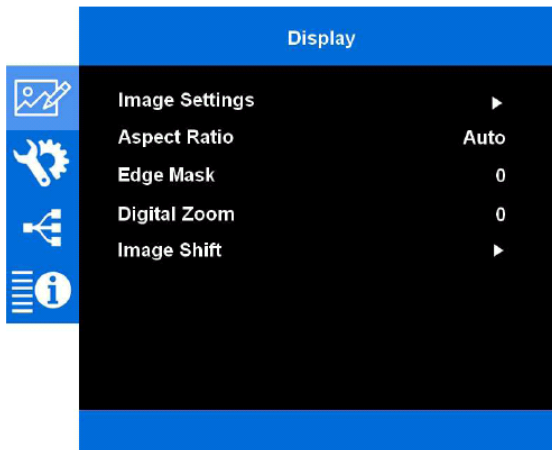# E-PERFECT FIT VIA ON SCREEN DISPLAY AND REMOTE CONTROL

Follow the procedure below:

1) Install the projector in your room to accommodate the anamorphic screen (see the User Manual installation chapter).
2) Display an anamorphic image or test pattern.
3) Adjust the Zoom, Focus and Optical Vertical shift to match your screen with anamorphic format.
4) Then Display a source with image format at 16:9.
5) Set the digital zoom at −27 (this fits the 16/9 picture on anamorphic screen)

   5.1 Enter MENU,
   5.2 Select **DIGITAL ZOOM**,
   5.3 Adjust −27 by using arrow keys.

With this procedure you will display a 16:9 image INSIDE an anamorphic screen.
To get back to your anamorphic image, select DIGITAL ZOOM on the OSD with the remote control and Adjust to 0 (zero) by using the arrow keys.

E-PERFECT FIT VIA SERIAL INTERFACE RS 232

Follow the procedure below:

1) Install the projector in your room to accommodate the anamorphic screen (see the User Manual installation chapter).
2) Display an anamorphic image or test pattern
3) Adjust the Zoom, Focus and Optical Vertical shift to match your anamorphic screen
4) Then Display a source with image format at 16:9.
5) Set the digital zoom via RS 232 at −27 (this fits the 16/9 picture on anamorphic screen) by SENDING THE STRING:

    5.1 To Set to −27 => BE EF 1A 0C 00 D0 FF 11 00 00 00 E5 FF 00 00 00 00 00 00

With this procedure you will display a 16:9 image INSIDE an anamorphic screen
To get back to your anamorphic image , send the following string via RS232:

    5.2 Set to 0 (zero) => BE EF 1A 0C 00 A8 3E 11 00 00 00 00 00 00 00 00 00 00 00

Transfer Rate	19200 bps
Data Bits	8
Parity Bit	None
Stop Bit	1
Flow Control	None

RS232 cable should use swapped female.

9-pin female connector to computer port

9-pin female connector to projector