

OSSC *OPEN SOURCE SCAN CONVERTER*



Quick Start Guide – Revision 1.0

Thank you for purchasing OSSC ManFerHi version. Please read this getting started guide before using your unit.

. Important safety information

Use a power supply of at least 5 volts and 1 amp (recommended 2 amps), the power connector must be a 2.5x5.5mm positive center pin.

Power supplies greater than 5 volts can cause damage to your unit.

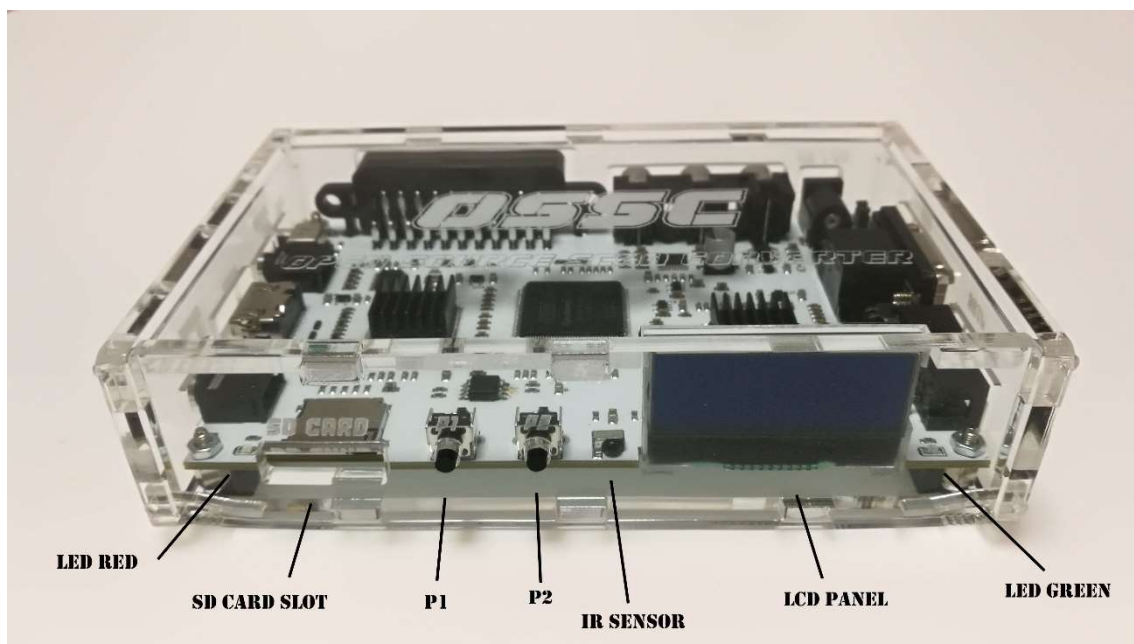
Use the on / off switch before connecting the devices, you must always connect and disconnect the devices with the unit turned off and turn it on once the devices are connected. Evita que le caigan líquidos a tu unidad, los dispositivos electrónicos no se llevan bien con los fluídos externos.

Although the OSSC does not need refrigeration it is advisable not to expose it to hot environments, it avoids hot air currents from other devices and direct exposure to the sun.

Supervise children, OSSC is not a toy for children, it prevents damage due to improper use.

Overview.

Front view.



Red LED - Red LED indicates that the synchronism is unstable.

SD Card slot - socket for a microSD memory card, it is used to update the firmware (see section on how to update the firmware).

P1 - Push button to select the video input (AV1, AV2, AV3).

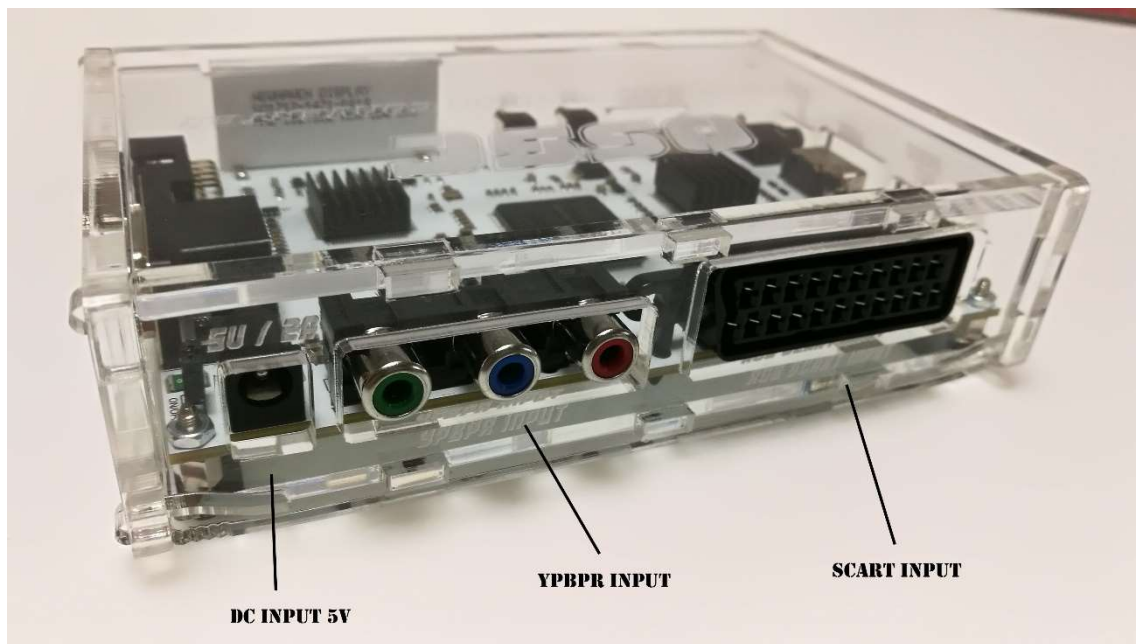
P2 - Push button to select the type of scanline.

IR Sensor - Sensor to receive the remote control codes, do not cover with opaque objects.

LCD Panel - 16x2 lcd panel with device information displayed on the screen.

Led green – Green LED, indicates that the equipment is on and running.

Rear view.

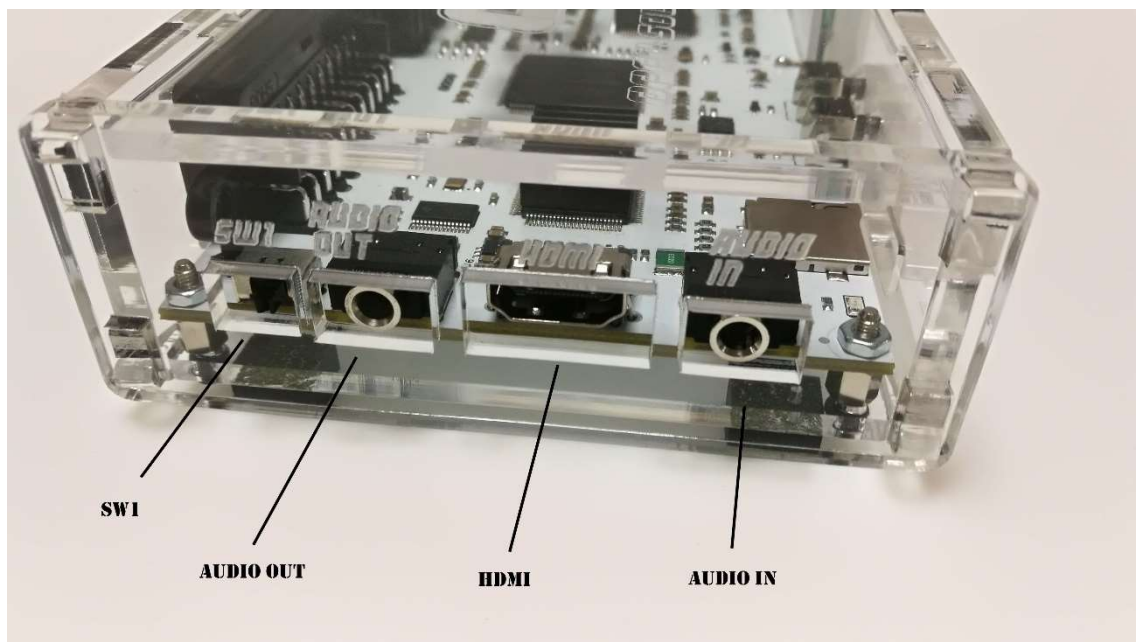


DC Input - 5.5x2.1mm positive center pin connector power input, use only 5V and 1 amp minimum power supplies.

YPBPR - Component video input. (AV2).

SCART - RGB scart input, also includes audio input. (AV1).

Left side view.



SW1 - Switch to configure Audio out as audio input or output. Only for the SCART input, if sw1 is in the left position the audio will be heard on the TV via HDMI, if sw1 is in the right position the audio will be redirected to audio out.

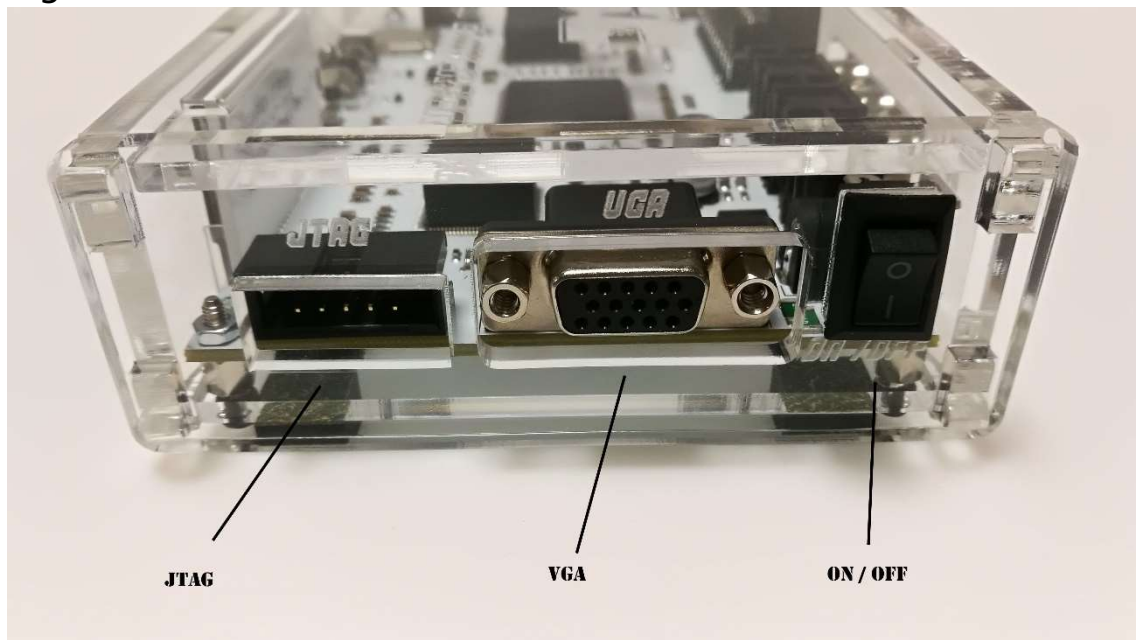
SW1 only affects the SCART input.

Audio out - Audio output or can also be used as input (SW1).

HDMI - HDMI audio and video output.

Audio in - Audio input.

Right side view.



JTAG - Jtag connection for FPGA programming and flash memory via USB Blaster cable.

VGA - VGA input (15kzh-31khz) (AV3).

ON / OFF - On / off switch.

Connecting your OSSC.

First connect the device (console, PC, others) to its corresponding input (RGB SCART, VGA or components) and connect the OSSC to your TV with an HDMI cable. Make sure your power supply is 5 volts and is connected.

Now we can power on switch and the following image will appear on the LCD.



In the lcd we can see the firmware version installed.

On TV we will see the following image.



Next we must select the input channel, by pressing P1 we will advance between all the input channels (or using the remote control), once the input channel is found we will see in the lcd panel the channel and the frequency found.



The LCD will display the input channel information, vertical resolution, signal frequency and screen refresh.

Now on your TV you will see the image of the input device.

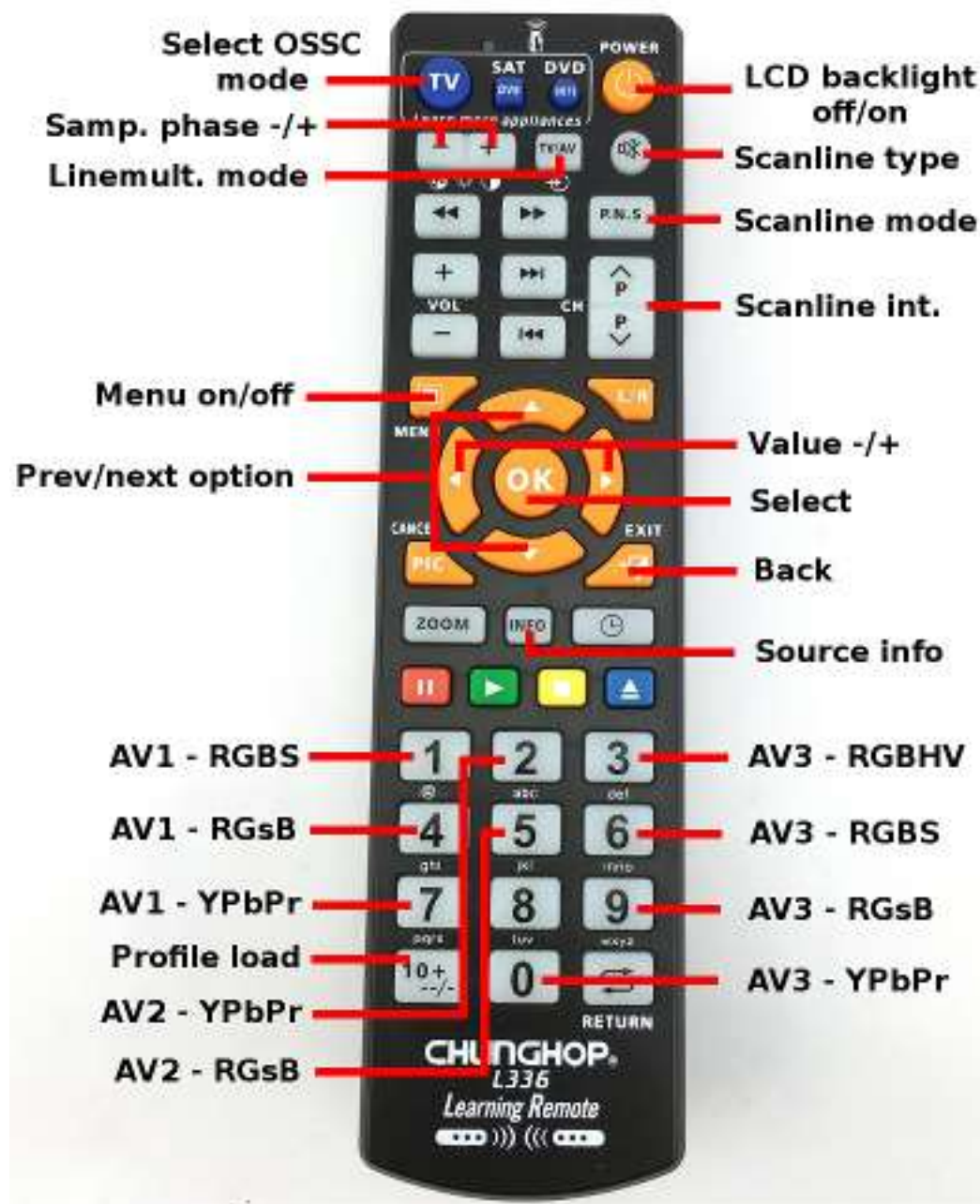
Options.

To change the available options, press the menu button on the remote control.

To see all available options visit the page
<http://junkerhq.net/xrgb/index.php?title=OSSC#Settings>

The default settings of OSSC are compatible with the vast majority of devices, however you can fine tune the settings if any device does not show a correct image, we can find in the menu the following options for it, "Video LPF", "Analog Sync LPF "And" H-PLL Post-Coast", you can vary these options to achieve better synchronization.

Remote control.



Configure remote control.

It is possible to use any remote control with our OSSC.

OSSC ManuFerHi version is factory programmed with the

codes to use an LG TV remote, the remote that is sold in

Store is already preprogrammed with these codes, but it is possible

also use any remote control, to do so follow this steps.

Turn on the OSSC with the T1 and T2 buttons pressed, it will appear on the LCD "Press 1 button" , now we must press button 1 on the remote, that we want to use and then "Confirm 1 button", we confirm the button and then continue asking for all keystrokes, once finished it will be saved and our OSSC will obey the buttons of this new remote control that we have configured.

Firmware update.

To update the firmware you must download the latest firmware from here.

http://junkerhq.net/xrgb/index.php?title=OSSC#Firmware_update

Download the latest .bin file, you must also download the Win32diskimager program and have a microSD.

Run the Win32diskimager program and select the downloaded .bin file, enter the microSD in your PC reader and select WRITE.

Now you will have your microSD ready to insert it into the SD reader of your OSSC, enter it.

Turn on your OSSC and press the menu button on the remote control, look for SETTINGS OPT. Press OK, now look for the FW option. UPDATE and press OK.

Now wait a few seconds until the OSSC restarts and the process is finished, you can verify on the LCD screen that the firmware version has been updated.

Thank you for purchasing OSSC, for more information you can check on the official website <http://junkerhq.net/xrgb/index.php?title=OSSC>