838-RGB2HDMI

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Description

This device allows the Myarc Geneve 9640 to be hooked up to a modern HDMI monitor or TV.

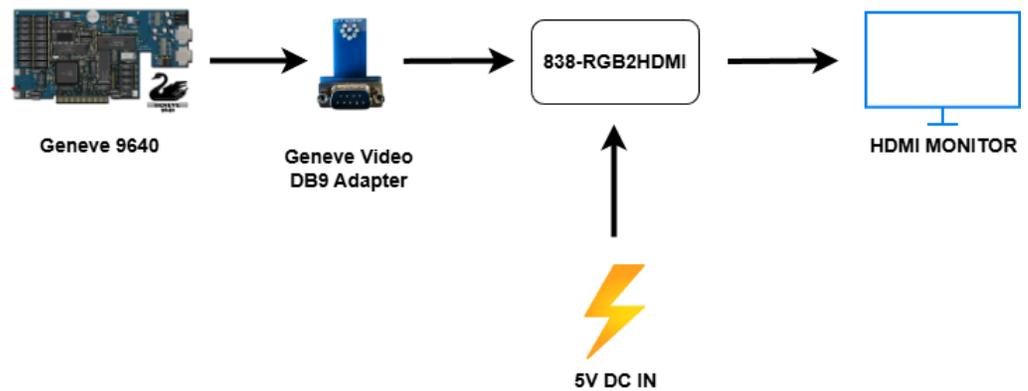The device supports 4:3 and 16:9 aspect ratios.

Installation

A few things to mention before you get started to install this modification.

What you will need:

1. Myarc Geneve 9640

2. SHIFT838's Geneve Video to DB9 Adapter

3. 838-RGB2HDMI device

4. HDMI cable (should have been supplied with the 838-RGB2HDMI device)

5. USB cable to provide the necessary 5v power to the 838-RGB2HDMI device (should have been supplied with the 838-RGB2HDMI device)

6. HDMI monitor or TV

Note: the RGB2HDMI device also routes audio to the internal speakers of the HDMI display provided you are using a device that has internal speakers. Both left and right channels from the RGB2HDMI is hooked up to pin #3 of the Geneve video connector, which supplies mono sound.

Following the diagram below to hook up the Geneve 9640 to the 838-RGB2HDMI device.

Geneve 9640 → Geneve Video DB9 Adapter → 838-RGB2HDMI → HDMI MONITOR

5V DC IN

Be sure to connect the USB cable to a 5v source and plug into the 838-RGB2HDMI device to provide power.

All 838-RGB2HDMI devices are shipped configured for the 4:3 aspect ratio. If you want 16:9 then flip the switch to 16:9 on the device.

Powering up

Once the device has the necessary 5v power supplied a 'NO SIGNAL' will float around on the screen.

1. Power up the Geneve

2. You should now see the boot screen provided by the current boot EPROM that is installed.

Troubleshooting

Issue	What to check
Do not see 'NO SIGNAL' floating on screen or no boot screen	1. Ensure 5v power is being provided. (verify power led on 838-RGB2HDMI device.) 2. Ensure HDMI cable is plugged in all the way 3. Monitor/TV powered up 4. Correct input is selected on monitor/TV 5. Try a different aspect ratio
The 838-RGB2HDMI device goes to sleep if the computer is on for a while and the user is not doing anything. Pressing the keyboard does not wake it up.	1. This is a power save function of the IC installed that cannot be changed. The keyboard is not tied to the CSYNC signal. To wake it back up, flip the aspect ratio and back again.
The 838-RGB2HDMI device goes to sleep if the computer is off for a while.	1. This is a power save function of the IC installed that cannot be changed. The keyboard is not tied to the CSYNC signal. To wake it back up, flip the aspect ratio and back again.

Support

For all support related questions please send an email to shift838sup@gmail.com