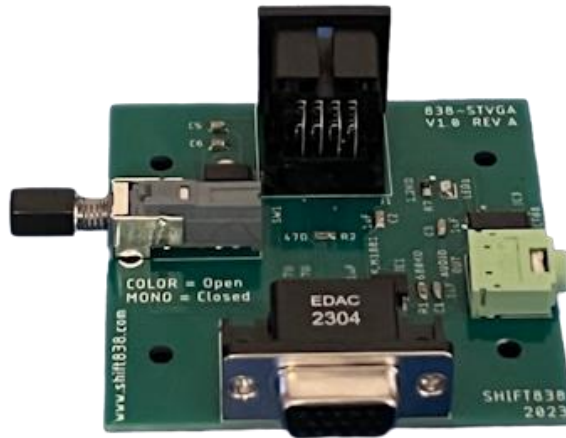


# 838-ST2VGA Adapter



Last updated: June 30, 2023

Thank you for purchasing the 838-ST2VGA Adapter for your Atari ST machine!

This adapter will allow the Atari ST to be hooked up to a VGA monitor that supports 15kHz in LOW/MED color mode and a standard VGA monitor that supports 31kHz in HIGH resolution monochrome mode.

The adapter has been tested with the Atari 1040ST and MEGA ST computers.

The Atari ST must provide 12v power on pin #8 of the video adapter.

## 838-ST2VGA Adapter Features

- Support for 15kHz monitors in LOW/MED resolution
- Support for 31kHz monitors in HIGH resolution
- Buffered signals on the horizontal and vertical sync lines to better stabilize video signals
- Sync cleaner to clean up sync signals to the monitor.
- External connection for Audio via standard PC speakers.
- Color (LOW/MED) and Monochrome (HIGH) resolution modes selectable with latching pushbutton switch.
  - Off = Color
  - On = Monochrome
- Uses standard straight through DIN 13 Male to Male cable.
  - Link to the one I use: <https://www.pchcables.com/3-foot-13-pin-din-male-male-cable.html>

## Operation:

1. Plug all required cables in
2. Set switch to color or monochrome
  - a. Please be aware that if you change video modes while powered up the ST will do a hard reset.
3. Power up monitor
4. Power up external peripherals if any are connected
5. Power up Atari ST

Please note that many ST's have an issue with showing vertical lines while monochrome mode is engaged. Not only on this adapter but many other 3<sup>rd</sup> party adapters. This is an issue with the ST and can be corrected by following the below forum thread.

<https://forum.atari-home.de/index.php/topic,13248.msg251298.html#msg251298>

Any questions please email [shift838sup@gmail.com](mailto:shift838sup@gmail.com)

Website: <http://www.shift838.com>

Webstore: <https://www.shift838.com/store>