

AN EXAMPLE OF USING USB-TO-VGA ADAPTERS TO SOLVE VGA PORT INCOMPATIBILITIES

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SUMMARY

If the VGA port on your Hewlett Packard, Sony, or Toshiba laptop refuses to communicate with a projector, you will probably have a struggle with USB-to-VGA adapters to "workaround" the problem. Here is a description of our struggles!

March 22, 2014

Unable to get the VGA port of my HP DV7 laptop to communicate with a Hitachi CP-X401 projector.

The laptop has "Windows 8.1 Pro 64-bit".

The VGA port of the laptop works fine with all 4 of the flatscreen monitors that I own. It just does not get along with the Hitachi projector.

April 4, 2014

Borrowed the projector to troubleshoot the VGA port of my HP laptop with it. Followed the troubleshooting steps at

http://www.hitachi.com.au/documents/dps/CPX401_manual.pdf without success.

Ran various tests with 4 different models of USB 3-to-VGA adapters:

April 4, 2014 (continued)

"Cable East" USB 3-to-VGA adapter with "Mirror" software. See

<http://www.amazon.com/Generic-Graphic-Extend-Multi-display-Adapter/dp/B00ESQQ1SM>

Result:

"Mirror" software was hard to use.

Video successfully sent into a VGA flatscreen monitor but the adapter failed to work with the projector.



April 4, 2014 (continued)

SIIG USB 3-to-VGA adapter with
"Magic Control Technology" chipset.

Model = JU-VG0211-S1

UPC = 6 6277401460 9

Result:

Worked well with the projector. The
projected screen had the correct
aspect ratio.



April 4, 2014 (continued)

StarTech USB 3-to-VGA adapter with
"DisplayLink" chipset.

Model = USB32HDDVII

UPC = 0 6503084766 7

Result:

Worked with the projector. However
the aspect ratio is distorted with the
horizontal dimension of the projected
screen too wide.

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April 4, 2014 (continued)

ETEKCITY USB 3-to-VGA adapter
with "DisplayLink" chipset.

Model = 04-WS-UG35D6

UPC = (NONE)

Result:

Worked with the projector. However
the aspect ratio is distorted with the
horizontal dimension of the projected
screen too wide.



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April 12, 2014

Successful PowerPoint presentation with my HP DV7 laptop connected to the SIIG USB 3-to-VGA adapter (Model = JU-VG0211-S1) connected to Hitachi CP-X401 projector.

June 28, 2014

Successful PowerPoint presentation with my HP DV7 laptop connected to the SIIG USB 3-to-VGA adapter (Model = JU-VG0211-S1) connected to Hitachi CP-X401 projector.

June 29, 2014

Upon initial connection with a projector at Kellogg-West in Pomona, the DV7 laptop failed to communicate with the projector via the SIIG USB 3-to-VGA adapter (Model = JU-VG0211-S1) . Resolved the problem by uninstalling and re-installing the "Magic Control Technology" software drivers that are supplied by SIIG.

July 12, 2014

Still using my HP DV7 laptop but the SIIG USB 3-to-VGA adapter (Model = JU-VG0211-S1) failed to communicate to Hitachi CP-X401 projector. The SIIG USB 3-to-VGA adapter failed to communicate with all of my flatscreen VGA monitors and fails to heat up. It apparently died. Discarded the SIIG USB 3-to-VGA adapter.

July 12, 2014 (continued)

Retested the StarTech USB 3-to-VGA adapter with "DisplayLink" chipset.

Model = USB32HDDVII

UPC = 0 6503084766 7

The aspect ratio problem no longer exists.

Will use this adapter in future in-person presentations.

July 13, 2014

Retested the ETEKCITY USB 3-to-VGA adapter with "DisplayLink" chipset.

Model = 04-WS-UG35D6

UPC = (NONE)

The aspect ratio problem no longer exists.

Will use this adapter in future in-person presentations.