

30Video Si Installation Guide

Howdy! Thank you for purchasing my 30Video Si card! – zigzagjoe :)

To install the card, follow these instructions carefully. **Please take care:** I am not responsible if you accidentally injure yourself or cause damage to your computer during the installation process. If you are at all uncomfortable with these procedures, please seek a qualified individual to assist you with the installation process.

In the Box

1. 30Video GS PDS card
2. IO plate
3. VGA cable
4. 2x M3 Philips screw and nuts

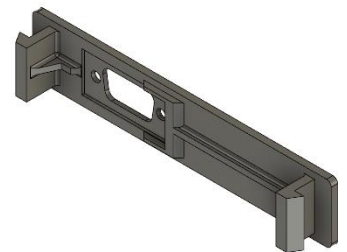
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PDS Card Installation



Turn off and unplug your computer for at least 5 minutes before disassembling it.

1. Remove the Ilsi top case using the tabs near the rear.
 - a. Be gentle: old plastic cases may be brittle.
2. Flex the IO cover in the middle and snap it into place on the rear of the system.
3. Remove the standoffs from the provided VGA cable.
4. Insert the VGA cable into the opening of the IO cover, then install the standoffs
 - a. Remove the VGA cable first before removing the IO cover, as the VGA cable stiffens the IO cover making it difficult to remove.
5. Plug the VGA cable into the connector labeled “VGA” on the PDS card.
 - a. ⚠ **Connector only fits one way!** ⚠
6. Seat the card **carefully** into the PDS slot on the motherboard.
 - a. It may take some force, but it should seat smoothly.
 - b. Check that no pins are bent and nothing is stuck in your PDS slot.
 - c. reinstall the case.



Optional FPU Installation

You may install a MC68882 FPU into the socket on the card when using it in an Ilsi. Please take care to orient the FPU correctly according to the orientation marks.

Stacking cards

You may stack an additional PDS card on the slot of the 30Video card. This must only be used for PDS cards, it is not a cache connector for accelerators. 30Video supports slots ID **9** and **A**, selectable by slide switch on the card.



Please note: Most systems should be able to support two cards, however, any additional cards are not guaranteed to work and can cause system instability / inability to boot. A recapped power supply is essential.



Usage

No software is required to use the card – it's plug-and-play!

Connect a VGA cable and monitor to the VGA connector **prior to turning system power on**. Do not plug VGA in while the system is powered. Your monitor will be detected and turn on shortly after system boot.

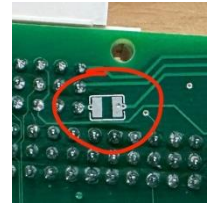
To change the active resolution, open Monitors control panel, select the 30Video monitor icon, and click the Options button. Pick the new resolution, then reboot your system. This will work on System 6.0.8+.

Gamma correction: VGA monitors will default to a linear gamma appropriate for **LCD** monitors.

You may change the active gamma table by opening the Monitors control panel, hold the option key, then click the Options button. Additional gamma tables can be created using third party software.

Other Notes

- While 256 shades of grays are supported on external VGA monitors, only 16 shades of gray are available. This is normal, and there is not a workaround.
- **Users of Bolle's ethernet riser:** You **must** solder the 12V jumper on the rear of the riser, or you will not get video output from the 30Video card. See picture to right.



Compatibility notes

No compatibility issues are known at the time of writing this document.

- Supports System 6 - 8.1, A/UX (3.0, maybe others), netBSD
- Compatible with IIsi, SE/30, and third party ROMs in 24 bit and 32 bit modes.
- **Highly** recommended to have recapped logic board and recapped / retrofitted power supply.

Reporting issues

I've done the best I can to test this card thoroughly, but bugs are always possible. Please report any issues through this github repository. Updated firmware and flashing utilities will be posted here as well, and please feel free to ask questions.

<https://github.com/ZigZagJoe/30Video-Support>



Happy Macing!! :)