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.
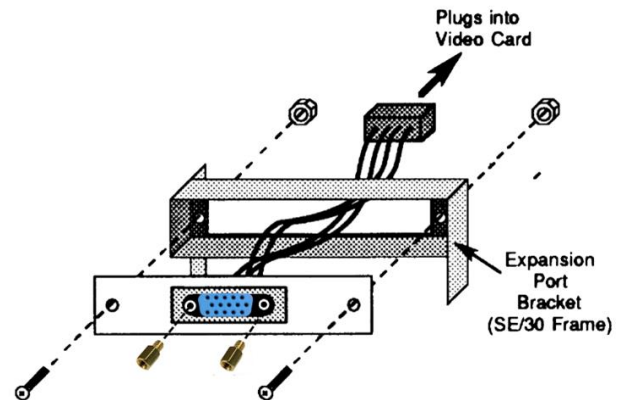
In the Box

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

PDS Card Installation

⚠️ **Turn off and unplug your computer for at least 5 minutes before disassembling it.**
Do not touch the analog board or CRT as it may remain charged after power is removed.

1. Remove plastic programmer's switch, if present.
2. Using a long Torx T-15 screwdriver, remove the 2 screws near the IO area and 2 screws under the handle, then remove the rear of the case.
3. Remove the 3 screws securing the expansion port bracket to the chassis.
4. Install the VGA cable into the IO cover
5. Attach the IO cover to your expansion port bracket using the provided screws.
   a. The IO cover goes on the front of the expansion port bracket, not on the rear of the bracket.
6. Plug the VGA cable into the connector labeled "VGA" on the PDS card.
   a. ⚠️ **Connector only fits one way**!
7. Seat the card **carefully** into the PDS slot on the motherboard.
   a. It should seat smoothly with some force.
   b. Ensure the logic board is entirely forward in the chassis rails if the card does not seem to be seating correctly. Check that no pins have become bent and nothing is stuck in your PDS slot.
8. Attach the expansion port bracket to the chassis.
9. Remove the plastic IO port cover from the rear case by carefully pushing on it.
10. Reinstall the rear case, and tighten the 4 screws.

Plugs into Video Card

Expansion Port Bracket (SE/30 Frame)

Stacking cards

You may stack an additional PDS card on top of the 30Video card. When installing a second card, carefully bend the chassis card support tabs away from the cards so they do not make contact with any card, and cover the tabs with insulating tape. 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 strong 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.
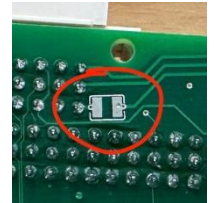
To change the active resolution, open Monitors control panel, select the 30Video monitor icon, and click the Options button. Pick the new resolution, then reboot your system. This will work on System 6.0.8+.

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!! :)**