Vampire V4+ computer Manual Ⓕ

CE

European Union Regulatory Notice
This product complies with the following EU Directives:
- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC

1) Disclaimer

The Vampire V4+ is a computer delivered in a box adapted to the electromagnetic standards in force.

The Vampire V4+ ships with the free ApolloOS and, for the ATARI-Fans, with FreeMiNT/ EMUTOS.

No third party copyrighted material is part of this product.

Warning: If you want to dispose of this equipment, please do not use the ordinary dust bin! Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.
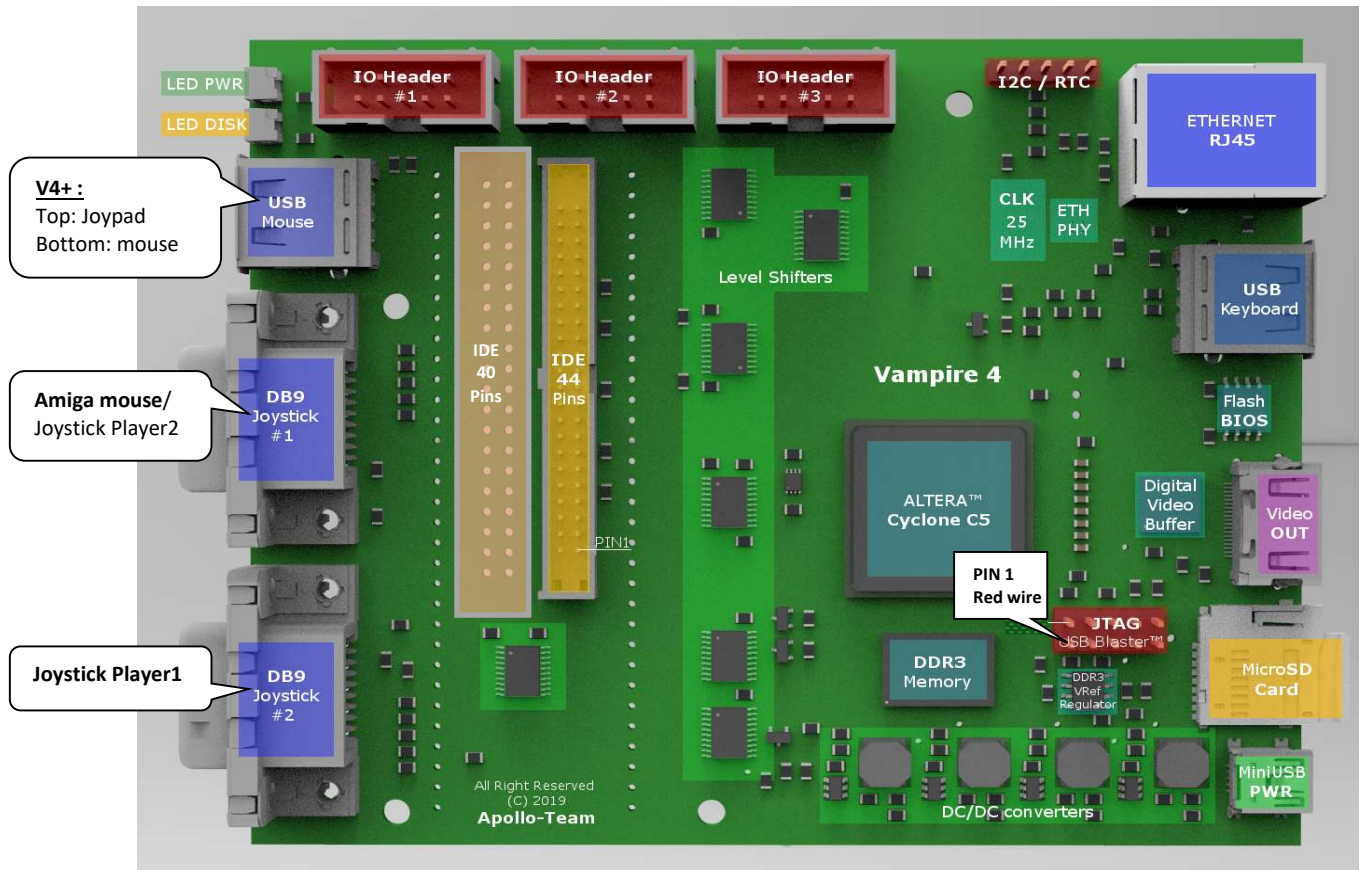
2) Description

Your V4+ comes with CF-Adapter and CF-Card with preinstalled ApolloOS, plug it in and enjoy the amiga-feeling.

The Vampire V4+ is an AMIGA© compatible computer that uses the Apollo-core which is compatible with the Motorola 68K processors while outclassing them in performance. The Vampire V4+ is equipped with the following connectors: a mini-USB port for power, a micro SD connector, a video and digital audio output, three USB connectors for keyboard, mouse and

Joypad, RJ45- Ethernet port and two DB9 connectors for Amiga joystick or Amiga mouse.

The card has the following internal connectors: 3 Expansion ports for future extensions, a RTC connector for a clock module, a 44-pin IDE port for mass storage is used for CF/SD- Adapter+ card, a a 40-pin IDE port, and a JTAG port for updating the core.

3) How to use & current state of the core

At the time of writing this manual, the core is in the following state:

- **Ethernet:** DMA accelerated Ethernet; drivers are included in ApolloOS.
- **USB:** Support for some input devices like USB mice, Joypad and keyboards. The list of compatible devices can be viewed at www.apollo-computer.com:
- **Joystick**: Support of AMIGA© Joystick (like Competition Pro on the DB9 port.
- **OCS/AGA**: Many games and demos work perfectly. This is continually improving.
- **Boot drives:** boot from IDE/CF or microSD. You can also use microSD card for data exchange.
  To reboot please press "STRG" +"BAT"+"STRG"

4) Using another OS

The V4 comes preinstalled with ApolloOS. You can use many other operating systems like Amiga OS, EMUTOS and more. We recommend to use the Apollo boot loader (www.apollo-computer.com/support) for easy installation of different operating systems.

5) Flashing the board

The Vampire V4+ can be updated to benefit the latest Core improvements, such as new features, speed or compatibility improvements.

➔The recommended way to install the FlashRom:
- Go with your V4 to the Internet (A-Web is preinstalled)
- download the latest STANDALONE_**XXX.jic**:
  from **www.apollo-computer.com**
- Open a CLI at your V4.
- Run it by typing: VampireFlash Standalone_XXX.jic
- Confirm the operation by typing 'YES' (in CAPS) and RETURN.
- Wait until flashing is finished.
- Power Off your Vampire V4+ and wait 30 seconds.
- Power On your Vampire V4+.

➔Using the JTAG USB-Blaster: (Only for experts!!!)
When, for what ever reason, you have to use the USB-Blaster. Please consult the picture (left) where an how to connect the JTAG.
(plug in the wrong way, might destroy your board !)

6) Data transfer

Micro SD-Slot: You can use the microSD card to transfer files from your computer to the Vampire V4+. ApolloOS; FreeMiNT and some AmigaOS distributions already have the integrated support of the microSD.
Please follow the instructions on how to format the SDcard on Apollo-computer.com.
Ethernet: V4 has ethernet support and drivers preinstalled. You can use FTP and Webbrowsers (A-Web is preinstalled) for Datatransfer downloads. SMB can be used to mount windows shares.
USB: USB is for Data transfer not yet supported!

The Apollo V4 comes fully tested and ready to use, preinstalled with ApolloOS. Please mind that the electronic components / chips on the Vampire V4 are electrostatic sensitive devices and can be damaged by electrostatic discharge. Only open the Vampire if you wear an ESD protection wrist strap. Any damage due to electrostatic discharge is excluded from the warranty. The Vampire comes with a fully tested IDE-CF adapter and tested CF card. Usage of other adapter or devices is on the risk of the user. Mind that wrong inserting/plugin of IDE-adapters or Expansions can cause an electronic shock harming the device. Any mechanical or electrical damage to card is excluded from the warranty.

Always make sure to connect the included power cable to the PSU, mixing it up with other cable, will result in boot problems and crashes!

7) Software installation & support

❖ Visit us on: www.apollo-computer.com to be informed on the latest news about the whole Apollo-Family.
➔ Use DOWNLOADS to find the latest core and ApolloOS-image.

❖ Visit our homepage http://www.apollo-core.com :
➔ Use the **FORUM** for FAQ and to get informed on different topics.

❖ If you need help, don't hesitate to contact us. We cordially invite you to our apollo **discord-channel**, which is specially created for Apollo-user, but also a great platform for sharing the Amiga spirit :-).
Here is the link: https://discord.gg/5wSA4Bn