

CAM Index - Amigaguide Version

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Chapter 1

CAM Index - Amigaguide Version

1.1 Hardware & Projects

CAM #233 Hardware

2kqfan.doc, AdjustClock, DigiDroid, Eprommer, LucasProject, Midi, Sound_Digitizers, Trakball.modif.txt, TurboMouse

Unpack

CAM #373 Utilités Projets (Hardware)

ftos_v1.0

Convert DAsm assembler output to Motorola S-Record format so that it can be downloaded to an EVB (Evaluation Board). Include c source, author: Salim Alam

route_v1.0

This is a small printed circuit board cad package. It consists of three programs: an autorouter, a board viewer, and a board printer. The PCBView program has been intuition-ized. There are 2 versions of the previewer. One is called 'PCBView', just like the original, and the other one is called 'PCBlTV', which stands for 'PCBlitterView'. The new previewer uses a new set of bitmap images of the board, which are stored in a more condensed form than the old program, even though it's less portable now. The old previewer used WritePixel() to draw the whole screen! The new previewer uses the Blitter (BltPattern()), and is about 8 times faster. The demo PCB, which took 15 seconds to draw at maximum size using the old previewer, now takes 2 seconds with the new previewer. All the files related to the old viewer are in the 'old' subdirectory in this archive file. Notice that PCBPrint.c is also there, since I didn't port it yet. The autorouter now supports routing of single sided boards. just add the '-s' switch when running PCBRoute. This is good for simple circuits, since double sided boards are much more difficult to manufacture for hobbyists, and not always there is a need for one. Include c source, author: Randy Nevin

Sim_v4.2

A simulator for register-transfer-nets. Register-transfer-nets are used to describe hardware systems. A register-transfer-net can be compared with a digital circuit. Its devices are divided into three classes:

- Registers, with an inner state (sequential logic systems)
- Combinatorial circuits, without an inner state
- bundles of leads, for the connections between devices

For the simulation of a register-transfer-net, a list of all devices and connections (called VLI) must exist. This happens by a call of the devices which are used. The connections are made with the names of the bundles of leads of the in- and out- puts of the devices. Every lead-name represents a 16-bit-wide bundle. Because the devices must be sequentialised by force, which work parallel in reality, the resulting model system can be very susceptible for hazards and races. So it's better to use only hazard- and race-free circuits. Binary only, author: Goetz Mueller

SpkrSimDemo_v2.0

Demo version of SpeakerSim 2.0, a loudspeaker CAD program. Simulates vented (Thiele-Small) and closed box systems. Also simulates 1st, 2nd, and 3rd order high and low pass filters. Binary only. Author: Dissidents

X2X

Cross converts between Motorola/Intel/Tektronix ASCII-hex files. These files are typically used for down-line-loading into EPROMS, or for transmission where binary files cause chaos. Handles S1, S2, S3, INTEL (inc USBA records), Tektronix (inc extended). Source included. Author: Gary Duncan.

Unpack

CAM #508 Projects Hardware

Accel

14MHZ Accelerator hardware project for the Amiga. Written by Livio Plos of Italy. No warranties. And this will definitely void yours.

IO_Expansion_Board

This file contains documentation and updated software to run the hardware expansion described in the February '91 issue of Amazing Computing. The card permits you to add up to four parallel ports and four serial ports to your Amiga. Here is the software to drive those ports. Author: Dan Babcock

IR_RemoteCntrl_AREXX_Beta

This is a hardware/software project to allow the Amiga to read an infrared remote control via the parallel port. Includes an ILBM of the schematic for a simple interface to the A1000 parallel port, some modifications are needed for other Amigas. The source code and executable for a reader program are included. For further functionality modifications to the source can be performed. Author: Ron Peterson

lightpen_v1.1

This file contains a handler (with source) for using a joystick port to attach a lightpen to your Amiga. It also has instructions for making your lightpen, in case you cannot find one that is Amiga compatible. Author: Andreas Klingler

newmidi.iff.pp

Iff Schematic of midi interface for A2000

Unpack

CAM #571 Hardware

AmigaPowerGloveHi-ResHack

Here is my hack. It uses the parallel port, my RKM Hardware guide says enough nasty stuff about the timing of the joystick lines that I decided to avoid it. As for not using pin 13 of the BYTE hack, the main reasons are that the DB-25 connector I had lying around already had most of the leads connected, with pin 13 not among them. Plus, I already knew how to read pin 4 in software, but wasn't sure how to read pin 13. That's what you get for only a few hours of software hacking. Author: Alan Bland

drv1.44

This is hack for use the 1.44 drive just like any PC drive connected to the amiga. I have a 720K 3 1/2 PC drive working fine as an external one on my A500, and all was necessary is a small latched circuitry.

Pellegrino_Hack

This HACK will allow an Amiga 1000 or 500 to use it's 86-pin expansion connector as an A2000 100-pin slot!!!!!! Author: Joe Pellegrino

SCSI_II_Documentation

This is the ANSI _Draft_ spec for SCSI-2, obtained (second-hand) from the SCSI BBS. Reformatted from the original Wordstar files to Amiga text files. Contains everything you ever wanted to know about SCSI, but were afraid to ask. Caution: do not rely on the page numbers in the TOC, as things may have changed in my reformatting process.

STScan

A utility program for using a Siemens ST 400 SCSI flatbed scanner with the Amiga. Can be adapted to other scanners and serves as an example of scsi-direct access to scsi devices. Version 1.0, includes source in C. Author: Frank-Christian Kruegel

TSFSuite

A suite of programs to allow use of a Teac SCSI Floppy on the Amiga. Included are programs to set the mode to 1,2 or 4 Meg [TSFMx], to format to 1,2 or 4 Meg [TSFFx], a utility that does disk changes for you [TSFADC], and a SCSI exerciser to explore the controllers on the SCSI bus. Source is available upon request. Author: Harvey Taylor

Unpack

CAM #625 Hardware

2MegAgnusHACKinA2000

A text file describing how to put 2Meg AGNUS into A2000 + 2M/1M enhancements. Author: Pascal Janin

86to100-pinExpansion

This HACK will allow an Amiga 1000 or 500 to use it's 86-pin expansion connector as an A2000 100-pin slot!!!!!! Author: Joe Pellegrino

CanonLBP

Canon laser printer driver package, containing WB driver, extra preferences program for additional options (landscape, copies, margins, timeout, etc), PageStream drivers, FontShop program, automatic font download, free definable papersizes, and full support for Workbench 2.0/2.1. Version 1.01, fully functional demonstration version, binary only. Author: Wolf Faust

digitizer.pic

Schematic for building a video digitizer (work with popular software).

EPROMer_v2

This is version 2 of the EPROMer project (An Amiga based EPROM programmer). The main change is a new C based driver program with new functions, and a new personality module for 62256 32Kx8 static RAM. Original Project (included) was designed by Bob Blick. Version 2 include c source, author: Udi Finkelstein

hardwarehack

Text file describing various hardware hack and fixes you can do to your Amiga. Author: Gregory Miller

Loop

Schematic of connector for adapt Loop CT-1458 Multisync monitor.
Author: Fred Farleigh

MacFloppy

Schematic for building interface Mac floppy to Amiga.

mouse-switcher

Schematic for auto mouse/joystick switcher Author: Mark Spankus

STScan_v2.0

A utility program for using a Siemens ST 400 SCSI flatbed scanner with the Amiga. Can be adapted to other scanners and serves as an example of scsi-direct access to scsi devices. Version 2.0, an update to version 1.0. New features include image processing and vectorization functions that can be used without any scanner. Includes source in C.
Author: Frank-Christian Kruegel

Track-Display

Schematic for Amiga disk drive track display. Author: Mark Spankus

Uforce_v1.00

Uforce PowerGlove code interface, include source, author: Ethan Dicks

VGA-interface

Schematic for Amiga to analog RGB multisync monitor. Author: Mark Spankus

Unpack

CAM #724a&b Hardware projects

ADC0804_SoundDigitizer

Build a *quality* audio digitizer for your amiga for under \$20.
Author: Jamie C.Mueller

ADC_0808_StereoSampler

This sampler was developed because I wasn't able to find the ADC0802 chip here in Brazil. All samplers I could find on e-mail used it, but I only found the ADC 0808. Then, I decided to project my own sampler, using the '08 chip. Author: Luiz Cressoni Filho

AmigaScope

A program which makes your Amiga function like an eight channel digital data analyzer or oscilloscope. The eight channels of data are 5V logic signals connected to the Amiga's parallel port. When using AmigaScope, the Amiga's parallel port is used as an INPUT port. AmigaScope is

digital; it will not accept analog signals. binary only. Author:
Stephen L. Childress

ArcnetAdaptorSchematic

Pocket.* is a schematic of an Arcnet network adaptor that plugs into any Amiga parallel port. This adaptor is designed along the same lines as the popular Xircom adaptors used in the PC-Clone world, mainly among laptop users. The Pocket1.hgl is a Hewlett Packard HPGL plotter file, Pocket1.pcl the same thing but converted to a Hewlett Packard Laser Jet print file. Author: Jeff Easton

GALer_v1.3

GALs (Generic Array Logic) are programmable logic devices. "GALer" is the software and the hardware which is necessary to program your own GALs. The supported GAL-types are GAL16V8 and GAL20V8. The circuit diagram for the GAL device programmer is available from the author. Version 1.3, shareware, includes source, German version only. Author: Christian Habermann

HDFixer_v1.10

Some of the newer A3000's have high density floppy drives. In the 37.175 version of kickstart, HD disks are not completely supported in HD mode. This program patches the system so that kickstart V37.175 owners are able to use 1.71 MB HD disks in the floppy drive. Requires Workbench 2.04. This is version 1.10, an update to version 1.00. Binary only. Author: Peter-Iver Edert

Install_1.44_Floppy

This text is a number of simple hints for those who have bought one 1.44 drive (1520k exactly!!) and still have some troubles with it!

SCRAM500

The first of a series of Public Domain "KitWare" hardware projects for the Amiga. On this disk you will find the design for an 8Meg RAM and SCSI controller for the Amiga 500 (SCSiRAM for the 500 = SCRAM 500). You will also find an order form to obtain PCB, chips and whatever you need to build one. The SCRAM 500 is easy to build, cheap and should be useful to a lot of people. Included in this distribution is complete documentation on how to assemble a SCRAM 500, notes for Amiga 1000 owners, a description of the custom chips, design notes, troubleshooting guide, user's manual, bill of materials, 12 HPGL plot files for schematics and PCB layout, hard drive partitioning software, a mountable device driver, a ROMable driver, and more! Author: Norman Jackson

ScrnTst_v2.0

A program to reveal small irregularities in the beam sweep of computer monitors. Uses the MOIRE effect to render such defects more readily observable. A short program which should be compatible with OS 1.3 as well as release 2.0. Version 2.0, binary only. Author: William Barish

Spartan_v34.4

The sources to the Spartan PD scsi interface driver for Amiga 500 and Amiga 1000 originally by Paul Harker. This is an enhanced version that includes a major bugfix and * SCSI-Direct support. Versions 34.3 (generic) and 34.4 (true SCSI). Author: Several, see documentation

Unpack disk A

Unpack disk B

CAM #779a&b Hardware

A1200_Hack

A pretty simple hack/solution for putting in a 3.5" IDE drive inside the A1200 where the DF0: currently is. For the \$300 or so you waste getting an A1200HD you can get a bigger drive. Author: Silicon Synapse Electronics & John Kamchen

68HC11_package

Utils for programing 6811 microcontroler.

Abslink

Solve some problems when attempting to compile code on the Amiga and move it into a ROM or EPROM. Code to be moved into a ROM or EPROM is usually bound to a specific address - the address of the ROM. Amiga executables aren't bound to a specific address until the system loader loads them. Include source, Author: Doug Walker

Adev11_v2.0

ADev11 is a complete development system for the Motorola MC68HC11 processor. Separately assembled source files are linked to produce an S-record file. Includes assembler (a highly modified version of DAsm), linker, librarian, disassembler and serial downloader. Additionally, the assembler, linker and librarian handle source for 6800, 6303 and 68HC16. Author: Stan Burton

ADigit

Build a *quality* audio digitizer for your amiga for under \$20 Author: Jamie C. Mueller

DigitalBreadboard_v1.1.7

Digital Breadboard is a full GUI digital logic circuit simulator. Digital Breadboard currently supports 2 and 3 input AND, OR, NAND, and NOR gates, NOT and XOR gates, D, JK, and SR edge-triggered flip-flops, multiple independant clocks, switched and pulsed inputs, outputs, Vcc, GND, independant 4-channel oscilloscope, event counters, variable speed timer, preferences printing, and more. Requires AmigaDOS 2.x Version 1.1.7. Freeware, binary only. Author: Dan Griffin

GASS_v1.10

GASS is a 6510 assembler for the Commodore Amiga. You can assemble 6510 sources, i.e. for the commodore c64, on your Amiga. Binary only, Author: Kajetan Hinner

HDFixer_v2.00

Some of the newer A3000's have high density floppy drives. In the 37.175 version of Kickstart, HD disks are not completely supported in HD mode. This commodity patches the system so that Kickstart V37.175 owners are able to use 1.71 MB HD disks. Requires Workbench 2.04 for many features. This is version 2.00, an update to version 1.10. Binary only. Author: Peter-Iver Edert

IBM-KeyboardInterface

This file contains detailed plans for connecting an IBM PC keyboard to the Amiga, by Eric Rudolph

LogicPlotDemo_v1.00

A digital logic simulator program. Design a digital circuit using various logic components and apply various inputs to the nodes of the circuit. LogicPlot will then simulate the circuit and plot the outputs of the selected nodes. Shareware version - limited numbers of gates/nodes/clocks. Binary only, Author: Cyrus Michael Sanii

LogicShop_v1.1

Build and test logic circuits. Everything is accessed from the intuition interface. version 1.1, binary only, FREeware. Author: Kenny Nagy

MacFloppyPCB_v1.01

Amiga interface for MacIntosh 800 kb disk drive, Author: Bjarne Rasmussen

OMTI

This is a complete harddisk driver for the (somewhat ancient) Omti PC harddisk controller connected to an Amiga. It contains the device and some maintenance programs in ASM and C. Full source included. This runs under AmigaOS 1.3 and 2.04.

RC-Filters_v1.1

Filters 1.1 can be used by anyone who is in the electronic-business and must develop a network of RC-filters wick by meaning: including or excluding certain High- or Low-frequencies. Binary only, Author: Wim Van den Broeck

SAPEP_v2.0

SAPEP is a semi-complex package consisting of control software, and

programming hardware used to program eprom memory chips. Unlike some OTHER eprom hacks floating around, this hardware will program a large variety of chips without the use 'personality moduals'. All programming characteristics are controlled though the software.

Author: John Kamchen

TheRef_v4.3

THEREF(tm) is a comprehensive Directory of Hard Drives, Floppy Drives, Optical Drives, and Drive Controllers & Host Adapters. It is designed to help with integration and system setups. 2 handy formats; Portrait mode and landscape mode, for those who prefer a computer-printout type format. Author: various.

TTL

TTL is a fairly simple program. All ttl chips take the above form. The program TTL uses the last two or three digits to identify the chip. Binary only, Author: Paul O' Flynn

UDraw_v1.0

A drafting tool that is bitmap oriented rather than object oriented. Makes heavy use of "clip boards", files which contain clips of various items that are displayed simultaneously but behind the work area, parts of which can be lifted off and pasted to the working screen. Version 1.0, binary only. Author: Ron Stefkovich.

Unpack disk A

Unpack disk B

CAM #956 Hardware

InfraRexx_v1.3

InfraRexx and InfraJoy - The Infrared-ARexx interface. The InfraRexx software along with the InfraJoy hardware serve as an ARexx-to-infrared interface, that adds the function of an infrared remote controller to your Amiga, and more. Fully Freeware. With this software and hardware you can: Control external audio/video devices via ARexx commands. Control Amiga programs via a common remote control unit. Learn and edit new remote control infrared commands. For example you can control a moduleplayer via your compact disc player remote control unit. Or, control your video tape recorder via a graphic user interface. Binary only. Authors: Leon Woestenberg & Jeroen Steenblik

IR-Master_v2.61

With the ir-master package your Amiga becomes a big remote control. Use the ir-editor to learn ir-commands (e.g. those of the remote control of your tv set) and the ir-runner to send them. The runner has an ARexx port and therefore you can program your tv set (as an example) via ARexx! Shareware, hardware schematics not included Binary only.

Authors: Juergen Frank and Michael Watzl

IR-Slave_v1.23

The ir-slave is the counterpart to the ir-master. With the ir-slave you can control the Amiga with a remote control. First, some ir commands must be learned to the slave. To each of the ir signals you can assign a program/script/arexx-program to be launched when the specific signal is received. Binary only. Authors: Juergen Frank and Michael Watzl

LControl_v1.10

LControl is a tool to control video cameras which have a LANC-interface. All camera actions are supported (from play to slow motion backwards). LControl has an ARexx port which allows you to program your camera via ARexx. Binary only. Authors: Juergen Frank and Michael Watzl

SatTrack_v4.2

SatTrack A satellite tracking program. Allows for selection of a database that can contain up to 1000 satellites. Tracks satellites on a graphics display of the world. All graphics are IFF compatible. SatTrack has a simulation mode that allows for orbital predictions in the future. Operates on Workbench 1.3, 2.X and 3.X. This is version 4.2. SatTrack is keyware, see the registration file for more information. SatTrack is fully operational until the expiration time is reached. NEW: Screen configures to your WB screen size for hi-end graphics users and PAL folks. Icons have been added for tracking Satellites. Calculation of Sun position and satellite Illumination as been added, this will allow you to calculate when the is "in the sun" and you are "in the dark". This is the best time to go outside and see the satellite, MIR, Shuttle or HUBBLE. Binary only. Author: Randy Stackhouse

Unpack