Little Documentation on the AmigaOS 4.1 Installation on Sam440EP / Sam440Flex boards

After receiving a brand new Sam440EP or Sam440Flex board with the AmigaOS 4.1 CD, you just have to install it on your empty harddrive.

This document has been realised in order to help people having problems to make the installation of their AmigaOS.

First step : Harddrive Initialisation

Here, you will have to prepare your harddrive in order to be able to install AmigaOS 4.1 on it.

For that, put the AmigaOS 4.1 CD in your optical drive and start your computer.

As your harddrive is still empty, your Sam440EP should automatically launch the installation's CD.

After the KICKSTART has been loaded, the CD will launch the Workbench with only 3 requesters before where you have to specify the keyboard's layout you use and your country.

When you are on the Workbench, you have to launch the 'Media Toolbox' utility from the 'dock'. Its icon is at the left border of the 'dock'.

A new screen will be opened and the next window will appear :

Select device to use	日日
Select device	
sii3114ide.device	
Program mode 🕑 Normal	
Start Status: MediaToolbox 52.11, SP_En	gine 52.4
	4

Click on the 'Start' button here in order to initialize your harddrive.

The first thing to do is to install the SLB ('Second Level Booloader') on your harddrive in order it to be recognized by U-Boot as the boot device.

Just click on the button 'Edit RDB / Reinstall...'.

Media Toolbox, Workin	2.000.000.000				
nits present on this contr	oller				
Jnit name	Version	Id, LUN	Unit type	Status	
T932042 5TJ0	SD13	0, 0	Fixed hard disk	Ready	
ptiarc DVD RW AD-7590	S 1.01	3, 0	Removable CD-ROM or CD-RW or DVD	Not supported	
			A DDD / Dates	4-110	
CIICK	on 1	Eal	t KDB / Keins	all	
Click		Eal	t KDB / Keins	tall	
CIICK (on ' all	EQI the	AmigaOS 4		
to inst	on a tall	Eai the	AmigaOS 4	SLB	
to inst	on 'i tall '	the	AmigaOS 4 S	SLB	
to ins		the	AmigaOS 4 S		
CIICK to ins Edit RD	on i tall i 3/Reinstall.	the	AmigaOS 4 S	and filesystems	
CIICK (to inst edit RD	on (all) B/Reinstall.	the	C RDB / Reins AmigaOS 4 \$ Edit partitions	and filesystems	
CIICK (to inst Edit RD emovable devices suppor	on (the	AmigaOS 4 S Edit partitions	and filesystems	
CIICK (to ins) Edit RD emovable devices suppor	on (all B/Reinstall.	the	Edit partitions	and filesystems	

Here, the goal is to copy the 'slb_v2' file from your AmigaOS CD to your harddrive at the right place, which is the RDB ('Rigid Disk Block' or starting sector) in order to be recognized by U-Boot as the boot harddrive.

RDB/disk geometry editing						
Disk characteristics						
Vendor ST	Г932042	Product	5TJ0	-	Revision	D13
		<u>I</u> nstall/rea ysical data	d configurati	ion Ir Logical size		
NOTE: P	hysical drive	parameters are prov	vided for	Blocks per cylinde	er	48
assi	gnments rat	ner than physical blo	ogical block	Total cylinder	rs	13023801
Cylinders	13023801	Park cylinder	13023801	Total sector	rs 63	25142448
Sectors	16	Write precomp.	0	Block siz	ze	512
Heads	3	Reduced write curr.	0	Total dick siz	298	.0911 GB
Interleave	1	Drive steprate	0	TOLAT CISK SIZ	30)5245 MB
		AmigaOne	e boot code ((SLB)		
AmigaOS 4	1.1 Install:slb_	v2, 28988 bytes, ve	r. 1.1 Ir	nstall <u>R</u> emo	ove Sa	ave to <u>f</u> ile
	Unit flags					
✓ Last ID	Last <u>T</u> ID	Last LUN	Supports <u>r</u>	eselection <u>S</u> y	nchronous	s transfer
<u>O</u> k - accep	t changes	U	ndo: revert t	o old setup		<u>C</u> ancel
						/

Click here on the 'Install' button, select the 'slb_v2' file from the installation CD (dierctly at the root of the CD) and click on the 'OK, Accept changes' button.

You will return to the first window of 'Media Toolbox' and you will have to click on the 'Save to disk' button in order to save the modifications, but don't leave 'Media Toolbox' utility yet !

N.B.: Please note that if you plan to install the special Linux Debian distribution for Sam440EP or Sam440Flex, you'll have to download another 'SLB' especially developped by ACube for dual boot.

For that, please download the following file : <u>http://ngi-dyndns.org:8080/AmigaOS_4.1_Installation_Guides/Parthenope</u>

Then, instead of selecting the 'slb_v2' file on the AmigaOS 4.1 cd in the previous process, please select the Parthenope file in order to install it on your harddrive to be able to have the dual boot.

For any installation of the Linux Debian special distribution on your Sam's motherboard, don't hesitate to read the great guide realised **Philippe 'Elwood' Ferrucci** available here :

http://elwoodb.free.fr/articles/Sam440/debian.html

Second Step : Partition's Layout

Here, the goal is to create at least 2 partitions in order to make the AmigaOS 4.1 installation.

For that, click on the 'Edit partitions and Filesystems'.

You will now see this window :

Name Size Piesystem DH0 20.992 (68/ytex, 2007): 516 MBytes (690019 (yinders) 55500 Remove partition DH1 10.03.992 (68/ytex, 1027): 016 MBytes (690019 (yinders) 555100 SXAP D1.10.03.992 (68/ytex, 1027): 016 MBytes (690019 (yinders) SF5100 SXAP D.10.10.03 (68/ytex, 1027): 016 MBytes (14325) 21 (yinders) SVAP dxx 74.506 (88/ytex, 76239.914 MBytes (1225): 20 (yinders) SVAP dxx 74.506 (88/ytex, 70239.914 MBytes (1225): 20 (yinders) SVAP dxx 74.506 (88/ytex, 70239.914 MBytes (1225): 20 (yinders) SVAP dxx 74.506 (88/ytex, 70239.914 MBytes (1225): 20 (yinders) SVAP Faction eding Longer cyl.: 43 +1 Bootable I Bootable	iting partitions for disk ST932042	5730	Click on 'Add partition' to create a new
DH0 20 392 GBytes. 2007; 356 MBytes (59035 9; ophiders) 5F5100 DH1 100 382 GBytes. 102730.016 MBytes (4382751.cyinders) 5F5100 SKAP 1.013 GBytes. 102730.016 MBytes (4382751.cyinders) SWAP dxx 74.506 GBytes. 702739.314 MBytes (1225520 cyinders) SWAP dxx 74.506 GBytes. 702739.016 MBytes (1225520 cyinders) SWAP dxx 74.506 GBytes. 702739.014 MBytes (1225520 cyinders) SWAP dxx 74.506 GBytes. 702739.014 MBytes (1225520 cyinders) SWAP dxx 74.506 GBytes. 702739.014 MBytes (1225520 cyinders) SWAP dxx 74.506 GBytes. 702730 MBytes (1225320 cyinders) SWAP gamma 99.936 GBytes. 1022394.406 MBytes (4366263 cyinders) LNX000 Faction eding Longer cyl.: 43 + 1 Higher cyl.: 650501 + 1 Higher cyl.: 650501 + 1 Longer cyl.: 43 + 1 Higher cyl.: 650501 + 1 Longer cyl.: 43 + 1 Higher cyl.: 650501 + 1 Longer cyl.: 43 + 1 Longer cyl.	A STATE OF A	Name Size Filesystem	partition with the desired size
Add. remove or edit filesystem Adv. 74 506 Bytes, 7623 514 MBytes (3255206 cylinders) Adv. dv. 99 506 Bytes, 102334 406 MBytes (4366269 cylinders) Partition editing Partition editing Partition editing Partition editing Congr Cyl. 43 + + Higher cyl. 850561 + + H	Remove partition	H0 20.382 GBytes, 20871:516 MBytes (890519 cylinders) SF5100 DH1 100.382 GBytes, 102791.016 MBytes (4885751 cylinders) SF5100 SWAP 1.019 GBytes, 1043.531 MBytes (44525 cylinders) SWAP	Editing details for partition 'DH0'
Image: Control of the control of th	dd. remove or edit filesystems	hx 74.306 6Bytes, 75239.314 MBytes (325208 cylinders) LUX000 #x 1.865 6Bytes, 1307.320 KBytes (13380 cylinders) SVMP100 #x 99.936 6Bytes, 102394.406 MBytes (4366269 cylinders) LUX100 Partition editing	Type C SFS100 Standard flesystem types FastFleSystem Discretional Discretional Discretional Discretional Discretional Discretional
To load and save profile, ROB and mountists please use the rul down menu.	D d D me DH0 A	0 4 Coger cyl: Eigher cyl: 8 Automount V Bootable V Boot griority 2-4 Select filesystem/ed	43 -9
Don't forget to check the 'Bootable' case for the partition where you plan to install	Don't i for the	To be and and any profile ApB and mounths please use the ski down mores forget to check the "Bootable" case partition where you plan to install	Then click on 'Select filesystem / edit detail in order to select SFS for example

Click on the 'Add partition' button in order to create the first partition which will contain the AmigaOS 4.1 system.

The most important thing here is to check the 'Bootable' case in order to point that the system's files will be placed in this new empty area.

Select the size of your partition as you wish and then, click on the 'Choose Filesystem / Edit details' button in order to specify which filesystem will be used.

Here, we have selected SFS\00. If you want to optimize the transfert on SFS partition, you can also set the blocksize to 512 and the buffers to at least 1000 for informations.

After that, we advise you to create a 'swap' partition with these settings :

	To load and save profiles, RDB and mountlists please use the pull down menu.			4
Name: SWAP	Automount 🖌 Bootable Boot priority	Select filesystem/edit details	Ok - accept changes	Cancel
4 Þ 4	• • • • • •	Lower cyl: 5276313 - + Higher cyl: 5320837 - +	OldFileSystem	Mask FFFFFFE
	Partition editing		FastFlatuttern Plan Max	transfer 7FFFFFF V
Add, remove or edit filesystems	dhx 1.863 GBytes, 1907.320 MBytes (81380 cylinders dhx 99.936 GBytes, 102334.406 MBytes (4366269 cy	s) SWP(00 dinders) LNX(00	Type: C SWAP	Buffers 600 - +
Remove partition	SWAP 1019 GBytes, 1043 531 MBytes (44525 cylinder) dhx 74.506 GBytes, 76293 914 MBytes (3255208 cylinder)	s) SWAP inders) LNX100	Filesystem chooser	
	DH0 20.382 GBytes, 20871 516 MBytes (890519 cyler) DH1 100.382 GBytes, 102791 016 MBytes (4385751 c	oders) SFS\00 cvinders) SFS\00	Edition datals for partition (SWAP)	미머
	Name Size	Filesystem		

The filesystem is 'SWAP', the blocksize is 4096 and the name of this partition is 'SWAP' with a size of 1 GB.

You just have to click on the 'Ok, Accept changes' button and then the 'Save to Disk' button on the first window.

Now, you can exit from the 'Media Toolbox' utility and restart your computer in order to format the new partition you have created.

Last Step : AmigaOS 4.1 Installation

At this point, you only have to format your system's partition and to install AmigaOS 4.1 on it.

When you have restart your Sam and when you are on the Workbench, a new icon will be displayed with the name :

'DH0: not initialized'.

Select this icon and make a right click to choose the 'Format disk' option.

Format - DH0		日中
Current Informa	tion:	
Device 'DH0'		
Volume 'Amiga ()S 4'	
20G capacity, 4%	used	
New Volume Nam	ne: Amiga OS 4	
Fucifie		
	Ouck Format	Cancel

Here, we have named this volume 'AmigaOS 4'. Check the case 'Put Trashcan' if you want to be able to eventually restore some deleted files and then, click on 'Quick format' for formatting the partition.

When formatting is finished, the 'AmigaOS 4' icon will appear on the Workbench.

Now, the last thing to do is to launch the AmigaOS 4.1 installation !

For that, simply click on the 'AmigaOS4.1-Installation' icon to launch the process.

Here, you will have to choose the volume where system's files should be installed.

Here it will be on 'AmigaOS 4' partition.

Installation Utility		Ð
	Amiga	OS 4.1
Select a partition to install AmigaOS 4.1 on. There the disk.	should be about 200-30	0 MB of free space on
Select here the	nartition w	here
AmigaOS 4.1 file	es will be c	opied
19.72G available on volume		
< <u>P</u> revious	<u>N</u> ext >	<u>C</u> ancel

Then, click on the 'Next' button in order to specify the next options.

	Installation Utility			中			
P			Amig	jaOS 4.1			
	Please indicate the these values in the vertical synchroniz your monitor many to get Hz values).	Please indicate the maximum frequencies your monitor supports. You can usually find these values in the monitor manual. There are two frequencies, the horizontal and vertical synchronization frequency. Frequencies are measured in Hertz (Hz), although your monitor manual might give horizontal frequencies in kHz (Multiply them by 1000 to get Hz values). See also Documentation/Picasso96/ScreenModes.doc					
	Min Horizontal	31000	Max Horizontal	70000			
	Min Vertical	60	Max Vertical	70			
	Select here the resolution you want to use on your Workbench and the supported frequencies of your monitor You can either use the default AmigaOS 4.1 look (rounded corners, transparency effects via hardware acceleration), or the AmigaOS 4.0 look (rectangular windows, no transparency)						
	AmigaOS 4.1						
Ter		< <u>P</u> revious	<u>N</u> ext >	<u>C</u> ancel			

At this point, you have to specify the supported frequencies of your monitor as well as the resolution you want to use on your Workbench.

You can also choose the theme you prefer :

- AmigaOS 4.1 with transparency activated and windows rounded corners for example,

- AmigaOS 4.0 without transparency.

Then click on the 'Next' button.

In the next window, a little summary of the choosen options will be displayed.

If all is right, you just have to click on the 'Next' button in order to launch the copy of the system's files of AmigaOS 4.1 on your new partition !



When all is done, please remove the AmigaOS 4.1 CD, turn off your computer and start it up again in order to launch AmigaOS 4.1 from your haddrive.

N.B.: When you start AmigaOS 4.1 for the first time from your harddrive, please start the AHI preferences and put the volume of each nusical unit at the maximum level and use the 'Unit 0 : HiFi 16 bit stereo ++' option for the 'musical unit'.

AHI preferences		2884		
Mode settings		Ad	dvanced setting	s)
Filesave:HiFi 16 bit mono, Filesave:HiFi 16 bit mono,	AIFF Studio			
Filesave:HiFi 16 bit mono, Filesave:HiFi 16 bit stered Filesave:HiFi 16 bit stered Filesave:HiFi 16 bit stered Filesave:HiFi 16 bit stered Filesave:HiFi 8 bit mono, Unit 0:16 bit mono Unit 0:16 bit stereo++ Unit 0:HiFi 16 bit stereo+	WAV +++, AIF +++, AIF +++, St +++, WA 8SVX ∷	Options Erequency Channels Volume Monitor Gain Input Qutput		48000 Hz +0.0 dB Muted +0.0 dB No inputs Device
Mode ID 0x00030002 Recording Half duplex Author Martin 'Levitic Copyright Public Domain Driver Devs:AHI/devi Version device.audio (Annotation	us' Blom ce.audio 5.2 (28.09.	<u>p</u> la	ay a test soun	d
Save	L	lse	<u>C</u> ar	ncel

For the unit 0 à 3, please select the 'CS4281:HiFi 16 bit stereo++' mode.

AHI preferences	2884
Mode settings	Advanced settings
C Unit 0] [
CS4281:16 bit mono CS4281:16 bit stereo++ CS4281:HiFi 16 bit mono	
CS4281:HiFi 16 bit stereo++	Options Erequency 48000 Hz Channels 32 Volume +0.0 dB Monitor Muted Gain +0.0 dB Input Line in Qutput Line
Mode ID 0x02000012 Recording Full duplex Author Davy Wentzler Copyright (C) Davy Wentzler Driver Devs:AHI/cs4281.audio Version cs4281.audio 5.0 (03.03 Annotation OS4 driver	<u>P</u> lay a test sound
Save	<u>U</u> se <u>C</u> ancel
	4

Internet connection configuration

In order to have an Internet access, just click twice on the 'New Connection' icon which is located in the 'Internet' drawer of your 'Amiga OS 4' partition.

We will only explain the LAN connexion with an available DSL router.



Here, juste select the 'Ethernet (LAN, Router, Cable modem)' option and click on the 'Next button'.

Here, select the 'Automatic configuration' and click on the 'Next' button in order that the wizard utility searches for the available network adapters on your computer.

Internet connection wizard (27% complete)	日中
In order to access your modem, the name of the device dri and port number need to be known. You can try the automa configuration or configure the driver and port manually. <u>Automatic configuration</u> <u>Manual configuration</u>	ve atic
<u>Back N</u> ext	ancel

In the following window, you just should have to click on the 'Next' button. The wizard should automatically select the correct network adapter.

Internet connection wizard (27% complete)	日日
In order to access your modem, the name of the devic and port number need to be known. You can try the aut configuration or configure the driver and port manu <u>Automatic configuration</u> <u>Manual configuration</u>	e drive tomatic ally.
<u>B</u> ack <u>N</u> ext	<u>C</u> ancel
Dialer	
Searching for ethernet adapters <u>C</u> ancel	

Then, assuming you have a DHCP server (integrated in the router), you just have to check the 'Try dynamic configuration' box and click on the 'Next' button.

🗆 Interne	et connection wizard (729	% complete)	日日		
Please enter your network configuration. Unless your router doesn't support dynamic host configuration (DHCP), you need to enter the IP address of this computer, the subnet mask, the address of the domain name server (DNS) and the gateway address. The latter two are usually the same (ie. the IP address of the router).					
IP address		Subnet mask 255.2	55,255		
Gateway		Domain name <u>s</u> erver	001200		
<u>B</u> ack	Next		ancel		
,			Δ		

Then, just name your connexion. We have choosen 'LAN'.

Internet connection wizard (100% complete)	日日
You have completed configuring the network information. As last step a networking interface configuration file must be created. Please choose the name.	
<u>F</u> ile name LAN	
A summary of the configuration you created can be printed and stored in a report file.	
Print report	
Store report in file	
Report file PROGDIR:Reports/VIA-RHINE.report	
<u>B</u> ack Finish <u>C</u> a	ancel
	Δ

Here you just have to click on the 'Finish' button to terminate the process.

Dialer		Ð
	The interface was saved in 'DEVS:NetInterfaces/LAN'.	
•	The type of connection you've chosen does not require a PPP dial-up. Therefore you don't need the Dialer to establish an internet connection. The interface can be edited with the 'SYS:Prefs/Internet' program later, if required. A report was written to the file "PROGDIR:Reports/VIA-RHINE.report	ч.
	Okay	

When you have clicked on the 'Okay' button, just launch IBrowse or OWB for example in order to verify your Internet connexion is active and correctly configured.

If it's not the case, please follow the instructions below.

Here, the goal is to modify manually the previous configuration, and to specify one parameter for 'Tunenet' application.

For that, click on the 'Internet' icon located in the 'Prefs' drawer of your 'Amiga OS 4.1' partition.

🗆 Internet Prefer	rend	ces (TCP/	IP)				6 E	Ð
Interfaces		Interface	S					
Routes		Name (Driver		Unit/Port	Туре	Configuration	
Hosts		LAN p	pc440ep_	eth.device	e 0	Ethernet	-	
Name Resolution	11							
Servers								
	\square				:::	1.0		$\ge \nabla$
	∇	<u>N</u> ev	N	С <u>о</u> ру	•	<u>M</u> odify	<u>D</u> elete	
<u>S</u> ave							Cance	el
[
Modify network int	erfa	ace					2	D
Name LAN	1							
Device driver		VS:Netwo	orks/ppc44	ep eth d	evice			
		-+	71K3/ppc+4	pep_enne	00100			
Device type Eth	erne	31						
Un <u>i</u> t/Port 0								-+
Use <u>s</u> tatic IP ad	ddre	ess		-				
IP <u>a</u> ddress								
Subnet <u>m</u> ask								
✓ Iry dynamic co	nfig	juration (DHCP)					
Hostname IMM	I_Sa	am						
IP <u>p</u> acket type 204	8	~					_ + ✓ D <u>e</u> fa	ult
<u>U</u> se							<u>C</u> ance	el
								Δ
		Select	File			Ľ	Ð	
	N	ame		Size	Date	C		
	et	h3com.d	levice	51 496	09/09/2008	3 13h37		
	P	oc440ep_	eth.device	22 852	10/09/2008	3 10h59		
	P P	op-etherr	device	143 852	09/09/2008	3 13h37		
	rt	18029.dev	vice	37 120	29/09/2008	20h58		
	rt	8139.dev	vice	35 804	30/09/2008	3 18h38		
	rt	18169.de	vice	42 424	09/09/2008	3 13h37		
	ll us	spadmas	11.device	27 024	09/09/2008	\$ 13037		
			:::		-			
	Drawer DEVS:Networks/						-	
and the second	File ppc440ep eth.device							
		OK	Volum	nes	Parent	Cance		

In the 'Interfaces' section, click on the 'Modify...' button and then, on the file selection button at the right of the 'Pilote du périphérique' line. Please select here the '**ppc440ep_eth.device**' file from the list and click on the 'Ok' button.

For more facility, check the 'Try dynamic configuration (DHCP)' box in order to get an automatic IP address for your computer given by your router.

Then click on the 'Use' button and select the 'Routes' line in the first window.

Internet Prefer	ren	ces (TCP/IP)			50G
Interfaces Routes Hosts Name Resolution Services Servers		Routes			
		<u>N</u> ew Default Gateway Addr	 <u>Copy</u> ess 192.168.1.1	Modify	
Save					<u>C</u> ancel

Here, just check that the case 'Default Gateway Address' has the correct IP address of your router.

Then, click on the 'Host' section and then, on the 'New' button in order to add a new host which will give you access to the Internet radios through 'Tunenet' software.

🗆 Internet Preferer	nces (TCP/IP)				600
Interfaces	Hosts				
Routes	IP address	Name	Alias		
Hosts Name Resolution Services Servers	127.1	localhost	localhost.r	ny.domain	
	<u>N</u> ew.		С <u>о</u> ру	Modify	<u>D</u> elete
Save					<u>C</u> ancel
					Δ
Add host					- UQ
IP address 207.200.	.98.25				
Host <u>n</u> ame www.sho	utcast.com		1		
<u>A</u> lias Tunenet			1200		
<u>U</u> se					<u>C</u> ancel
					Δ

The IP address to type is **207.200.98.25**, the host name is '**www.shoutcast.com**', for the alias, we suggest 'Tunenet'.

Internet Prefer	ences (TCI	P/IP)				626
Interfaces Routes Hosts Name Resolution Services Servers	Domair 192.16	n name system 38.1.1	n servers			
Save	Domair	New	C <u>o</u> py	<u>M</u> odify	<u>D</u> elete	

Then, click on the 'Name Resolution' line just in order to verify that the domain name system server has the correct IP address of your router.

Finally, click on the 'Save' button and let AmigaOS 4 disabling and reeabling your Internet connexion.

Now, you should have access to Internet !

N.B. : For those who have not an available network connexion, AmigaOS 4.1 will take a longer time to start. In order to avoid this problem, there is a little trick :

- Edit your 'startup-sequence' file located in the 'S' drawer a the root of your 'Amiga OS 4' partition with 'Notepad' software,

- Locate the line where the 'C:AddInterface' command appears and at the beginning of the line, just type 'Run >NIL:' in order to get the following line :

Run >NIL: C:AddNetInterface QUIET DEVS:NetInterfaces/~(#?.info)

Commodities to be placed in your 'WBStartup' drawer In order to facilitate the Workbench use

As you have noticed it, the Workbench is missing some commodities which can be very usefull.

Here we'll advise you some nice tools, like :

- 'ClickToFront' : this tool lets you cycling the windows forwards, you just have to double-click on a window to bring it to the front of the others ; this tool is located in the 'Commodities' drawer which is located in the 'Utilities' drawer of your 'Amiga OS 4' partition,

- 'ContextMenus': this tool brings a contextual menu when you right click on an empty space of the Workbench from where you can have easy access to your AmigaOS 4 settings and some other tools ; this tool is located in the 'Commodities' drawer which is located in the 'Utilities' drawer of your 'Amiga OS 4' partition,

- 'AutoUpdateWB' : this tools gives you a realtime refresh of the opened Workbench drawers; you can download this tool at the following Internet address: http://os4depot.net/share/utility/workbench/autoupdatewb.lha

- 'Filer' : this tool allows you to open some listers for managing your files easier like it was done with the 'Directory Opus Magellan' software ; you can download this tool at the following Internet address :

> □ WBStartup 門中 AsyncWB ClickToFront AmiDock ContextMenus Deficons FilerCX RAWBInfo ScreenBlankerEngine FKev AISS

http://os4depot.net/share/utility/filetool/filer.lha

Finally, in order to be able to use your mouse wheel for scrolling your differents pannels in the 'AmiDock' bar, please edit your 'startup-sequence' file (located in the 'S' drawer of your AmigaOS 4 partition) with 'Notepad' software in order to modify the line where the 'IPrefs' command is located, and type the following line instead :

C:IPrefs NEWMOUSE

Display configuration

Here, there is just a few things to know.

On the contrary of all AmigaOS release, AmigaOS 4.1 doesn't use the Picasso96 preferences program to set the available resolution you will use.

For configuring your display, just double-click on your 'Amiga OS 4' drawer, then on your 'Devs' drawer, and then on the 'Monitors' drawer.



After that, simply select the Radeon's icon and make a right click on it. Please choose here the 'Information' option in order to display its tooltypes.

Amiga OS 4:Devs/Monitors/Rad	eon	日日
<u></u> lle		
Stac <u>k</u> size:	32768 - + Priority: 0	-+
St <u>a</u> rt from:	C Workbench	Prompt for input:
tool X: 15 Y: 4 Iool types:	CMPLENGTH=6 BOARDNAME=Radeon VSYNCMIN=60 VSYNCMIN=80 HSYNCMIN=31000 HSYNCMAX=70000 MODE=320x240@60 MODE=512x320@60 MODE=512x320@60 MODE=124x768@60 MODE=1280x1024@60 (MODE=1280x1020@60) (MODE=1280x720@60) MODE=1440x900@60 MODE=1920x1080@60) (MODE=1920x1200@60) (MODE=1920x1200@60) (FAKENATIVEMODES=Yes) INTERRUPT=Yes	
Save		<u>C</u> ancel
		Δ

Here, just add the resolution you want to use for your workbench like it is displayed on the picture above.

For example, for a 1440 x 900 resolution, just add a line in the tooltypes and type the following line :

MODE=1440x900@60

Then click on the 'Save' button and reboot your AmigaOS 4 for activating this new resolution in the ScreenMode preferences.

For informations, there can be two problems with the display on Sam440EP board and Radeon 9250 PCI board :

- If you have some black vertical lines on your workbench or some strange things displayed, please try connecting your monitor on the DVI port directly without using a DVI to VGA adapter (if your monitor has some DVI port of course),

- If your display becomes totally black after 5 or 10 minutes for example, please add in the tooltypes of the Radeon's icon '+RB' at the end of the line of the resolution used ('MODE=1440x900@60+RB'), and if it's not better, try to add '-RB' ('MODE=1440x900@60-RB').

N.B.: please put the frequencies used by your monitor in the first fourth lines of the tooltypes and please also use the good vertical frequency ('@60'). We can't be responsible of any damage on your monitor if you don't use the right frequencies !

Registration and Updates

In order to have the latest system's files, we strongly advise registering your AmigaOS 4.1 software on the Hyperion Entertainment website : <u>http://www.hyperion-entertainment.biz</u>

For that, you have to create an account if you haven't one yet : just click on the "new user?" link and follow the instructions. When you are registered, click on the "register product" link and select the "AmigaOS 4.1 for Sam440EP" option. Here, you must accept the licence conditions use and then, you'll just have to type your AmigaOS 4.1 serial number (which is on the CD box).

Now, you can download the updates for your AmigaOS 4.1. For that, just go to the "Downloads" part, then to the "AmigaOS 4.1 Updates" and finally to the "AmigaOS 4.1 for Sam" section for downloading the files for your system. Just decompress it and click on their installation icon.

Your AmigaOS system is now up to date.

Little usefull informations if your system does not start from your harddrive.

If your Sam doesn't want to start after doing all the installation, perhaps it will be necessary to set some variables in U-Boot to help it to have a better recognition of the connected hardware.

The first thing to consider is to connect the harddrive on the J20 connector of the motherboard and the optical drive on the J23 connector. It's advised in order to have a stable system.

Then, in U-Boot, in order to let it knowing which hardware is connected, type the following commands :

sete sii3114ide_conf 1002 sete sii3114ide_xfer G000 save

The first command (sete sii3114ide_conf 1002) will tell to U-Boot that there is an harddrive connected to the first Serial ATA port (J20) and an optical drive connected to the fourth Serial ATA port (J23).

The second command (sete sii3114ide_xfer G000) force U-Boot using the maximal DMA mode for the harddrive transfert (G) and the automatique best PIO mode for the 3 others peripherals (000).

At the end, the last command (save) will simply save these variables in U-Boot.

In some cases, the harddrive is not recognized as one of the boot devices. In order to force U-Boot to start from the harddrive if there is no CD / DVD in the optical drive, please type the following command :

sete boot2 s4sii save

After doing all this steps, you should be able to start your AmigaOS 4.1 system from your harddrive.

Some useful links :

AMedia Computer France : <u>http://www.amedia-computer.com</u> ACube Systems : <u>http://www.acube-systems.biz</u> Hyperion Entertainment : <u>http://os4.hyperion-entertainment.biz</u> OS4 Depot for many OS4 native applications : <u>http://www.os4depot.net</u> Obligement french website for many articles on Amiga : <u>http://obligement.free.fr</u> Amiga Impact excellent french website for news about Amiga : <u>http://www.amigaimpact.org</u>

> Thanks to Hyperion Entertainment doing this release for this new available hardware realized through ACube Systems conviction !

> > Faranheit @ 2013