

Name: zippy11.shk
Author: Andy McFadden
Written: December 1991
Summary: P8 ZipGS control program
Description:

Available from here:-

<https://mirrors.apple2.org.za/ftp.gno.org/prodos/system/zippy11.shk>

The ZipGS was a popular accelerator card for the Apple IIgs. With an 8MHz card, you could get an overall improvement of about 2x. If you wanted to deactivate the acceleration or twiddle features like the joystick delay, you had to be boot into GS/OS to run their application. I didn't like that much, so I threw this together.

One of the cool things about it is the user interface, which changes the text and background color registers when the scan line reaches certain points. This gives you more than one text color on the text screen simultaneously. It flashes badly if you have quarter-second AppleTalk interrupts enabled, but then nothing's perfect. :-)

Source code is included. This program is in the public domain.

ZipGS Control v1.1 By Andy McFadden

Your 10 MHz/32K ZipGS is enabled.

Slot 1: Fast	Slot 5: Fast
Slot 2: Slow	Slot 6: Slow
Slot 3: Fast	Slot 7: Slow
Slot 4: Fast	Speaker: Slow

Bank Switch LC cache: disb
Paddle Delay: enab AppleTalk D1: disb
Counter Del : enab Follow CPS : enab

[81.25% 8.14 MHZ]

E:Enable D:Disable Arrows:Speed
1-7:Slot S:Speaker BPACF:Option
Return stores and exits, Escape aborts

GENIE A2

Author: Robin

Date: 28 Jul 1992 8:26 pm

Ref: 1

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I would like to publicly thank Greg Templeman for the Zip GS CDEV fix (file # 19047) that he recently uploaded to the library.

Thanks Greg, it's people like you that make the Apple II community the great place that it is.

Robin

Re: Zip Chips and Boards for the IIGs

GENie A2

Author: GS.OZONEMAN

Date: 05 Jul 1993 4:14 am

Ref: 1

Zip is working on a new ZipGS disk 1.4 (I think) after discovering a few missing files in 1.3. If you like I will upload the latest version of the CDev. I patched it with a patch I found here on GENie and it works great. I'll have to ask the guys over at Zip Tech. first of course. I tell you what though, I think the FTA CDA is the best way to control your ZipGS. I never use the CDev anymore. I just keep it for the boot icon. I have two full rows now. I like to cool looking boots.



GS.Ozoneman - IIGS Forever!

3

-----> Delivered by GECopilot 2.1.1 & ProTERM 3.0

Re: Zip Chips and Boards for the IIGs

GENIE A2

Author: InterBrian

Date: 16 Jan 1994 6:03 pm

Ref: 1

>>> R.REGESTER [rregister]

If the SuperZIP CDA isn't in the library, I'll upload it. Yes, it is written by FTA (the same people who brought us Photonix I/II, Oil Landers, Bouncin' Ferno, Modulae, etc.) I haven't any problems with it, and it is a lot spiffier than the original CDA. :)

Re: Zip Chips and Boards for the IIGs

GENIE A2

Author: Librarian

Date: 16 Jan 1994 8:19 pm

Ref: 1

>>> R.REGESTER [rregister]

> How does one get the FTA init and what else is it good for except to
> display speed?

Available from here:-

We have it here in the A2 Library:

<https://mirrors.apple2.org.za/.../FTA.ZIP.CDA.SHK>

18527 SUPERZIPFTA.BXY X N.TROST 920507 9344
 Desc: NEAT ZipGS control CDA by FTA

This CDA is functionally equivalent to the standard Zip CDA but it uses the SHR display to show some fancy graphics.

> Has it caused any intereferance with other programs?

I've been using it for over a year with no conflicts, and I've never heard any complaints about it.

Tony Ward [via GEM 4.21/PT 3.1]

INGS

POWER
10.51 MHz
CACHE 32

ZIP

SPEED
10.51 MHz

1750

SPEED SETTING

0017

00073

MISCELLANEOUS SETTINGS

1750 (1) JOYSTICK DELAY
1750 (1) SPEAKER DELAY
1750 (0) APPLELINK DELAY
1750 (0) C/D CACHE DISABLE
1750 (1) COASTER DELAY
1750 (1) CPS FOLLOW

FAST SLOT SETTINGS

1750 (1) SLOT 1
1750 (0) SLOT 2
1750 (1) SLOT 3
1750 (1) SLOT 4
1750 (1) SLOT 5
1750 (0) SLOT 6
1750 (1) SLOT 7

2011

POWER
10.51 MHz
CACHE 32

ZIP

SPEED
10.51 MHz

1750

SPEED SETTING

0017

00073

ABOUT THE ZIP65 CONTROL

1750 ZIP65 (C) 1990-91
1750 ZIP TECHNOLOGY
1750 5401 WEST SLOANER AVE.
1750 SUITE 204
1750 CULVER CITY, CA 90230
1750 (213) 327-1313
1750 HARDWARE
1750 STEVE HEADONS
1750 1003 VECK

CON SOFTWARE

1750 FM (C) 1991
1750 BY
1750 P. BAYARD RICHARD
1750 D. DELAY
1750 O. DAILY-BAYARD
1750 THANKS TO
1750 L. MERIDA

Re: The Zip Chip

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GENie A2

Author: Harold

Date: 26 Mar 1994 9:11 pm

Ref: 1

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Jeff,

Well, with a 10Mhz Zip, the SuperZip CDA (FTA) reports something in the range of 7.xxxMhz with the AppleTalk delay enabled, and 10.01Mhz with it disabled. This may be a "real, overall effective speed" or a glitch in their speed calculation code, not sure (haven't disassembled SuperZip)

Counter delay's are needed by some animation stuff to get smooth animation, as most of what I do doesn't have anything to do with animation.... :)

No idea why the default for slot 2 os "Normal"...

If you have a 5.25" drive(s) hooked up, then when you're accessing them yes, slot 6 needs to be set to fast. (I don't keep any 5.25" drives hooked up, so I keep it set to Fast... however as my PCT is in slot 6 I need to investicage further... this MAY have a bearing on why I can't handle 5.25" disks (attached to the PCT) under MSDos, but they work fine in the Finder.)

-Harold
Resident solder slinger.

Re: Zip Accelerators for the IIGS

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GENie A2

Author: Harold

Date: 31 Mar 1994 11:14 am

Ref: 1

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Steve,

Uhm... you don't really need the HyperStudio stack to set things up right, but you do need the following:

ZipInit - Copy this to *:System:System.Setup folder, then lock it and then unlock it... this step is important! This should be sorted to the top of the setup folder so that the Zip is configured as desired as early in the boot process as possible)

ZipGS.Sys16 - Copy this to where ever you keep your utility type programs, it's needed to configure the init. (to use this, launch it, disregard what shows up on the screen, select "Open" from the file menu. Now pay attention to whats on the screen, configure as desired and then select "Save" from the file menu to save the new INIT information)

ZipCDev - DON'T use this, it's buggy as all get out (however you must install it). Find the Zip CDev updater here in the A2 libraries and use it to update this CDev to version 1.12 (this was written by Greg Templeman)

ZipDA - This goes in your *:System:Desk.Accs folder, it's a CDA that lets you tweak your Zip on the fly. (there's also the "SuperZip" CDA from FTA in the A2 libraries, but it will give you a \$0201 error if you try to use it from P8)

The paper docs should give you info concerning the various dip switch settings, usually you can have all slots set for Fast except for slot 6 which should be set slow (even if you don't have any 5.25" drives as it also affects 3.5" drive access)

If you really want a copy of the Zip disk (with the updated CDev, SuperZip CDA, etc) holler, and I'll see what I can do (the packed disk file (smaller than a file-by-file packing) is over 360k...)

-Harold
Resident solder slinger.

GEnie A2

Author: Hdwr Hacker

Date: 21 Jan 1995 7:40 am

Ref: 1

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Steve B,

Check the libraries here for Greg Templeman's updater for the Zip CDev.

This fixes the bugs in the cdev, and eliminates the need for any other "sip fixing" stuff.

(the Zip Init, and Zip application are still usefull, as they let you over ride the switch settings automatically at boot. The CDA is Ok as far as I know (no bugs detected in it yet))

-Harold

Note NEW Email address!

Resident Solder Slinger

Re: Zip Accelerators for the IIGS

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GENie A2

Author: Librarian

Date: 23 Jan 1995 7:03 pm

Ref: 1

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> Just uploaded Greg Templeman's patcher for the Zip CDA.

It turns out that we already have this patcher in the library:

18942	ZIPGSBUGFIX.BXY	X G.TEMPLEMAN	920624	4096	195	8
	Desc: Fixes memory blaster BUG in ZipDA					

It looks like Greg uploaded it himself and forgot about it. :)

- Tony Ward

NB: ZipGS CDA & CDev patchers available as ZIPFIX.BXY from TABBS Library Archive:

<https://speccie.uk/software/tabbs-library-archive-2/>

ZipGS Control - Memory Blaster Bug Fix
-- Fixes versions 1.3, 1.2 (1.1?) --
Written by Greg Templeman 6/17/92

Patch successful! ZipGS Control CDA
will no longer blast random memory.
Remember to shut down your system after
you quit this program in order to clear
the buggy version of the ZipGS CDA out
of your computer's memory.

Press Return to quit. ■

Info on "ZipGS.CDev"



ZipGS.CDev

Locked

ZipGS™ Control 1.1.2

Inactive

Kind: Control Panel

Size: 8,883 bytes, 10K on disk

by Palace Productions

Bug fixes/revisions by Greg Templeman

Created: Fri, Jul 31, 1992, 5:21 AM

Modified: Tue, Dec 5, 1995, 6:11 PM

General

Where

Comment

HardPressed.CDV ZipGS.CDev

The Manager

6.8 MB free



HARD



DISK5.25A



DISK5.25B



system



trash

Re: Zip Accelerators for the IIGS

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GENie A2

Author: D.CORKUM

Date: 25 Jun 1995 5:10 am

Ref: 1

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Ray,

The programs that came with the Zip are seriously flawed and should not be used.

Someone previously opened up the code and found some really poor programming and some seriously dangerous bugs. He created a patched version that corrected all the problems. It was available for some time online. Nowadays everone just uses the FTA or another program to control the Zip.

BTW He notified Zip, but at the time they were not interested in fixing it. I'll try to find a copy and post who did it and the name.

Dave C.

Re: Zip Accelerators for the IIGS

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GENIE A2

Author: Ray of Light

Date: 25 Jun 1995 8:32 pm

Ref: 1

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>>> K.SAGALOW [.Keith]

Hi Keith,

> I've been using the CDA for years with 0 problems.

The CDA is okay, especially if you patch it for corrections. What I believe we were discussing is the CDev which appears in the Control Panel NDA. This is the flawed device. Also, the SYS16 Program from Zip appears to have a flaw or two. Both of these report a speed of 1.1 Mhz, though all other info appears ok. I was still having some problems of strange LOCKUPS of the cursor at odd times until I removed the ZipCDev (which means one less startup icon, but now my system is Rock Stable.)

ROM 3, ZipGS 9/8, stable. (Part of this is due, IMHO, to the incantations and rituals I have performed, in imitation of what I saw Doug do to get his Zips working. ;)

I will be experimenting to get my 16k cache back (Doug, I need some more rituals, etc... Let your wife know the incense worked great! :)

Ray

Re: Zip Accelerators for the IIGS

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GENie A2

Author: Hdwr Hacker

Date: 26 Jun 1995 8:49 am

Ref: 1

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Keith,

The original Zip software (CDA, CDev, Init, S16) all have some nasty memory blasting bugs in them... Greg Templeman fixed most (all?) of these (via patch programs, avail in the library here :)

-Harold

Re: Zip Accelerators for the IIGS

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GEnie A2

Author: G.Templeman

Date: 26 Jun 1995 1:49 am

Ref: 1

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>> I've been using the CDA for years with 0 problems.

>

>The CDA is okay, especially if you patch it for corrections.

Make that rather "The CDA is OK, AFTER you patch it for corrections."

There is a memory blaster in the ZipGS Control CDA, in all versions (that I've seen) except 1.0. If you're using it without patching, you're just lucking out. That could change at any time.

-Greg Templeman (author of Zip CDA patch and CDev rewrite, among other things)

Re: Zip Accelerators for the IIGS

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GENie A2

Author: Ray of Light

Date: 27 Jun 1995 5:15 am

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>>> M.TOLCHIN

Matt,

Remove the Zip CDev and init. When I did that, lots of problems went away. (Yes, even the Patched CDev gave me problems) However, it did not help me get the cache back. The =patched= Zip CDA works in P8 or GS/OS, and is all you really need. The FTA Zip CDA is very nice, but only works in GS/OS.

The SYS16 program, I imagine, is for limited space systems, like booting from 3.5 disks, etc. I have no use for it at all. This is the program that says it needs the Zip Init to work (although it worked for me without the init). Once I run the program, problems start again, so I also removed that.

Just my .02 :)

Ray

Re: Zip Accelerators for the IIGS

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GENIE A2

Author: Hdwr Hacker

Date: 11 Dec 1995 12:56 am

Ref: 1

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Dan B,

HH>> The ISSI/Mosel (Tag/Data) pairing proved very stable in my testing,
HH>> as did a Mosel/Mosell pairing. As noted above an ISSI/Sony pairing
HH>> also worked.

DB>> I suspect you're trying to be careful above, and not recommend
DB>> anything that you haven't personally tested.

That's pretty much it. I have tested the above pairings, and they worked well for me. However, as I often say, your milage may vary. Nobody should take my results as reccomendations however, they are =NOT= such. They are simply a reporting of the results that =I= obtained, which may, or may not be duplicatable by others on demand.

>> Can I (probably) safely order a 32k x 8, 15 ns SRAM, or should I specify
>> a manufacturer?

Personally I would specify a manufacturer.

My =personal= ranking of manufactures is:

- 1) Mosel (.3" wide parts)
- 2) Mosel (.6" wide parts)
- 3) ISSI (.3" wide parts)
- 4) Sony (.6" wide parts)
- 5) Paridigm (.3" wide parts)
- 6) Motorola, Samsung (I won't use either of these)

Note that I have not included WinBond in this list, as I have not tested any of their parts yet (however there are some on their way to me, and I should have them RSN :) Based on the results of others who have tried WinBond, I do not anticipate any problems.

>> Is it still too touchy to say generally that 15 ns parts in TAG are
>> stable at 14 MHz?

No. 15ns rated parts, that actually function properly at 15ns, are fast enough to function properly in the TAG sockets of a Zip at 14Mhz.

>> Do you have any comments about Microprocessors Unlimited as a cache
>> SRAM supplier?

No opinion or comment, as I've never done any buisness with them.

>> BTW, what should I use to bridge T2 and T3 when/if I disable
>> the booster?

=AFTER= removing Q2 (an LM-317) T2 and T3 may be jumpered with 2 or three strands of wire taken from one strand of ribbon cable and twisted together. (the current is quite low, remember the 65C816 is a cmos part :)

>> How does the ZipGS CDA determine the speed it's running at?

I'm not certain, as I've torn apart many different pieces of code that claim to display the correct CPU speed, and don't remember which was which. In a nutshell however they all use basicly the same method, a timer loop. There is no way to directly read the CPU speed on a Zip.

>> The CDA and the Control Panel both report 9.20 MHz, but the **FTA CDA**
>> reports 8.23 MHz.

Try turning off some of the various Zip delays... I think the one you want to turn off is the one related to AppleTalk (which is =NOT= needed anyway) The FTA's CDA is the most accurate one, as it reflects the true results as you would encounter in typical software.

-Harold
Resident Solder Slinger

Mark All Followups Read

<< Newer | Older >>

Zip Chip (Board?) GS

1	10 May 1989 7:17 am	A2PRO.ERIC
2	10 May 1989 4:04 pm	THE.ZIPPER

Re: DAs, Inits, and Control Panels

GENIE A2

Author: Craig

Date: 28 Nov 1992 9:00 pm

Ref: 1

I just installed the "Superzip" CDA from FTA to control my Zip accelerator.

I read that it was more fun to use than the one from Zip.

Well, it would be except that when I access it from within a P8 application, I get a fatal error #0201. Does anybody have a fix for this?

I have a ROM 1 IIgs with the ZIP 10/64.

Re: Zip Accelerators for the IIGS

GENIE A2

Author: Hdwr Hacker

Date: 20 Dec 1995 10:38 am

Ref: 1

FWIW,

I have patched the FTA's "SuperZip" CDA so that it no longer causes the IIGs to die with a "Fatal Zip Error: \$0201" error if one tries to use it under ProDOS-8. (instead one gets a warning msg, with nothing bad happening)

I've also fixed the Easter Egg in it so that trying to launch a P8 application after the CDA had been opened under GS/OS no longer results in a \$0201 error. (different problem)

What?? You didn't know it had an easter egg in it? Oh well... happy hunting :)

I have sent copies of the patched version to a few people for testing, baring any problems cropping up I expect to get it into the library in the next few days :)

-Harold

Re: The Zip Chip - 8 Bit Version

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GENIE A2

Author: D.CORKUM

Date: 10 Sep 1994 9:00 pm

Ref: 1

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Chet,

The person who designed the ZIP chip left ZIP and started his own company.

It was his new company that produced the ROCKET chip. It was basically just an improved ZIP. Apparently they were so close in design that the courts forced them out of business after ZIP filed suit.

D.CORKUM

Re: The Zip Chip - 8 Bit Version

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GENie A2

Author: Hdwr Hacker

Date: 20 May 1995 6:38 am

Ref: 1

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John E,

>> Is the Zip chip still being sold?

Yes, the ZipChip (for //e and //c only) is still being sold, as is the ZipGSX (for IIGs only)

>> What is the fastest that was ever made?

ZipChip - 8Mhz

ZipGSX - Highest speed available from MCTA is 10Mhz to my knowledge.

Some of us here have managed to get these running >15Mhz, but this is quite tricky, requires carefull care & feeding, and typically isn't sustainable for a long period of time. (most of us have backed down to 11Mhz - 13.5Mhz)

-Harold

Re: Zip Accelerators for the IIGS

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GENIE A2

Author: A2.PR

Date: 26 Mar 1996 12:11 am

Ref: 1

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> You can reach MCTA at their new phone number: 714-

>This also means that they've moved, as area code 714 is NOT in Los Angeles
>County. Any chance of getting the new address?

Yes, they have moved. true 714 isn't in LA County, but the part of 714 they
are in now is closer to me (in deep South-Central LA) than they were before
:)

Their new consumer electronics factory is in the Westminster area, and I'm
not posting their address at this time since I have the impression that Bob
doesn't have time to spend nattering about Zip GS's when he's involved in
trying to make a living producing products that are selling around
1,000,000 unit a month.

I've tried to hint in several messages to this effect.

If he wanted Apple II'ers to deluge him with "I wanna buy a fast ZipGS"
calls, and hours long discussions of how fast and how reliable can a ZipGS
be pushed, then he probably would have put a number referral to their new
number on the old one. They didn't!

Bob doesn't want to desert the Apple II and IIGs community, he has assured
me that he will continue making the ZipGS and Zip Chip as long as he can
sell them, but he can not afford the time for ZipGS "tech support" phone
calls, and seemingly endless discussions of why he can't mass market a
14mhz ZipGS, which usually ended up being a "customer" who already had a
9mhz, and really just wanted to find out how to "cheeply" speed up that
one, so was using the "I wanna buy a 14mhz" cover to try to pump "how to do
it" info from Bob :(

My understanding is that the phone number that has recently been posted in
this topic should be used only for commercial orders, not individual item
purchases, or information calls. If you want information, call a retail
vendor, or ask here in A2..

PREFERABLY IN ONE OF THE ZIP TOPICS

Category 22 Topic 1 The Zip Chip, Topic 10 Zip Accelerators for the IIGs.

As previously mentioned: All Tech Electronics and EGO, are retailing new
ZipGS's, and providing customer support for their customers.

I am providing customer support for customers who have purchased directly
from Zip Technology, MCTA recently enough to still be under warranty.

The overall body of A2 hardware guru's is providing technical support for
Zip's (and a whole lot of other things) that aren't still under warranty
:), or that don't involve warranty questions.

I am still trying to determine if there is sufficient need to open a
customer service phone number for Zip Technology. It really seems that the
most use it would get would be answering question about how to speed up a
purchase made 6 years ago :(.. and I'm not going to be able to support a
phone bill or staff for that either :)

Doug Pendleton, Apple II hardware help
Zip Technology OnLine Support
Internet: Doug.P@GENIE.com

<< Newer | Older >>

Mark All Followups Read

Zip Chip (Board?) GS

1 10 May 1989 7:17 am A2PRG ERIC

Mac GUI

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Re: The Zip Chip - 8 Bit Version

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GENie A2

Author: Hdwr Hacker

Date: 09 Aug 1996 1:10 am

Ref: 1

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Peter B,

>> Does anyone know the current phone number or address for Zip
>> Technologies, or whether they are even still in business?

Zip is now known by the name of MCTA, and yes, they are still in buisness,
and still producing both the ZipChip 8000 (for //e, //c) and the ZipGSX
(for the IIgs)

Doug Pendleton (email: Doug.P) is their tech support person here on Genie

-Harold

Resident Solder Slinger

Live Free or Die - New Hampshire state motto

Re: The Zip Chip - 8 Bit Version

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GENIE A2

Author: A2.PR

Date: 09 Aug 1996 12:28 am

Ref: 1

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P.Brickell

If you will e-mail me the details of purchase date and from whom purchased on your ZipChip 8000, I'll check warranty status, and get back to you on replacement procedures.

Doug Pendleton, Zip Technology OnLine Support

A2 Hardware Help, A2 Promotions and Public Relations Manager

Delivered by: ProTerm 3.1 and CoPilot v2.5.5 Offline Genie Message Manager
