

Emulator - Emulator Issues #8354

GameCube Service Disc-Hardware Status / Register Test

03/13/2015 03:49 AM - kolano

Status:	Accepted	% Done:	0%
Priority:	Normal		
Assignee:			
Category:			
Target version:			
Operating system:	N/A	Relates to performance:	No
Issue type:	Bug	Easy:	No
Milestone:	Future	Relates to maintainability:	No
Regression:	No	Regression start:	
Relates to usability:	No	Fixed in:	

Description

Game Name?
US GameCube Service Disc

Game ID?
301E01

What's the problem? Describe what went wrong in few words.
Fails on Register Test 3 showing: "gpits.dol Code:85400001", and seems to hang on Test 9: siram0.dol.

What did you expect to happen instead?
Test to pass.

What steps will reproduce the problem?
1. Select Individual Tests
2. Select Hardware Tests
3. Select Register Test
4. Wait for Test 004 to be reached
5. Observe "TEST FAILED" message
6. Press A to continue
7. Wait for Test 009 siram0.dol
8. Test seems to run forever (or at least longer than the ~5 minutes I waited for it)

Dolphin 3.5 and 3.5-367 are old versions of Dolphin that have known issues and bugs, so don't report issues about them and test the latest Dolphin version first.

Which versions of Dolphin did you test on?
4.0-5823

Does using an older version of Dolphin solve your issue? If yes, which versions of Dolphin used to work?
Unknown

What are your PC specifications? (including, but not limited to: Operating System, CPU and GPU)
Windows 7, Intel Core i7-960, nVidia GeForce 580

Is there any other relevant information? (e.g. logs, screenshots, configuration files)
https://wiki.dolphin-emu.org/index.php?title=File:Service_Disc-Register_Test_4.jpg

History

#1 - 04/14/2015 01:47 AM - Stevoisiak

- Status changed from New to Accepted

#2 - 06/08/2015 12:10 AM - JMC4789

- Milestone set to Future

#3 - 08/14/2018 12:19 AM - aunali1

When running the siram0.dol test, the Log repeatedly spits out the following:

```
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006480, val=00000100)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006482, val=00000302)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006484, val=00000504)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006486, val=00000706)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006488, val=00000908)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c00648a, val=00000b0a)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c00648c, val=00000d0c)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c00648e, val=00000f0e)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006490, val=00001110)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006492, val=00001312)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006494, val=00001514)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006496, val=00001716)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c006498, val=00001918)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c00649a, val=00001b1a)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c00649c, val=00001d1c)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c00649e, val=00001f1e)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064a0, val=00002120)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064a2, val=00002322)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064a4, val=00002524)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064a6, val=00002726)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064a8, val=00002928)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064aa, val=00002b2a)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064ac, val=00002d2c)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064ae, val=00002f2e)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064b0, val=00003130)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064b2, val=00003332)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064b4, val=00003534)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064b6, val=00003736)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064b8, val=00003938)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064ba, val=00003b3a)
13:23:189 Core/HW/MMIO.cpp:197 E[MI]: Trying to write 16 bits to an invalid MMIO (addr=0c0064bc, val=00003d3c)
```


Log dump from the failed execution of gpits.dol:

```
00:17:554 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: DL: Loading non artx diag /regs/gpits.dol
00:17:554 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: starting to read DOL header, filepos = <53840000>
00:17:554 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: Len:100 dol:81105738
00:17:554 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=53840000, DMABuffer = 01114440, SrcLength =
00000100, DMALength = 00000100
00:17:554 Core/HW/DVD/FileMonitor.cpp:83 W[FileMon]: 135 kB regs/gpits.dol
00:17:639 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=53840100, DMABuffer = 00003100, SrcLength =
0000f960, DMALength = 0000f960
00:17:651 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=5384fa60, DMABuffer = 00012a60, SrcLength =
00000020, DMALength = 00000020
00:17:652 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=5384fa80, DMABuffer = 00012a80, SrcLength =
000116c0, DMALength = 000116c0
00:17:679 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=53861140, DMABuffer = 000368a0, SrcLength =
00000080, DMALength = 00000080
00:17:680 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=538611c0, DMABuffer = 00036a40, SrcLength =
00000040, DMALength = 00000040
00:17:681 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=00000420, DMABuffer = 01114940, SrcLength =
00000020, DMALength = 00000020
00:17:826 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=00000440, DMABuffer = 01114960, SrcLength =
00000020, DMALength = 00000020
00:17:827 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=00000440, DMABuffer = 017f9900, SrcLength =
00002000, DMALength = 00002000
00:17:827 Core/HW/DVD/DVDInterface.cpp:832 I[DVD]: Read: DVDOffset=00033000, DMABuffer = 01000000, SrcLength =
00004700, DMALength = 00004700
00:17:882 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: regs.hid0 = 11c064
00:17:882 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: regs.hid1 = 80000000
00:17:882 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: regs.hid2 = e0000000
00:17:882 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: regs.l2cr = 80000000
00:17:882 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: regs.msr = 43032
00:17:889 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: Frame = 0, inDataSize = 43, rc = 0 :
00:17:889 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 1]: f f f 255 1 0
00:17:889 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 2]: f f f 248 8 0
00:17:889 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 3]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 4]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 5]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 6]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 7]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 8]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[ 9]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[10]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[11]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[12]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[13]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[14]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[15]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[16]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[17]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[18]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[19]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[20]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[21]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[22]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[23]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[24]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[25]: f f f 248 8 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[26]: f f f 224 32 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[27]: f f f 224 32 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[28]: f f f 224 32 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[29]: f f f 224 32 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[30]: f f f 224 32 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[31]: f f f 224 32 0
00:17:890 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[32]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[33]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[34]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[35]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[36]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[37]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[38]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[39]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[40]: f f f 224 32 0
00:17:891 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[41]: f f f 224 32 0
```



```
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[17]: f f f 200 56 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[18]: f f f 200 56 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[19]: f f f 200 56 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[20]: f f f 200 56 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[21]: f f f 200 56 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[22]: f f f 200 56 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[23]: f f f 200 56 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[24]: f f f 200 56 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[25]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[26]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[27]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[28]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[29]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[30]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[31]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[32]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[33]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[34]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[35]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[36]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[37]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[38]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[39]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[40]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[41]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[42]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[43]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[44]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[45]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[46]: f f f 176 80 0
00:17:895 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[47]: f f f 176 80 0
00:17:896 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: In[48]: f f f 176 80 0
00:17:896 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: result = 84400001
00:17:896 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: log 0x81390046: 0->1
00:17:897 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: - Log - TBR: 0d 0h 0m 0s RTC: 0d 0h 0m 0s
00:17:897 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: 1 0 0 0 0 0 0 0
00:17:897 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: 0 0 0 0 0 0 1
00:17:897 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: inside diagStop
00:17:898 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: libcmn/oldDiagStop
00:17:898 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: oldDiagStop(85400001)<<
00:17:903 Core/HW/EXI/EXI_DeviceIPL.cpp:357 N[OSREPORT]: resetSys: Jumping to 0x81101500
```

#5 - 06/05/2019 04:50 AM - kaosjr

Issue is still present in Dolphin 5.0-10413, same details as before. Posting here in case this helps with anything.

#6 - 05/11/2021 06:39 AM - FireNX70

Test 9 started passing at some point before 5.0-14095. Test 3 still spits out the exact same error.