

Access: Extended

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Error Codes: AHT for PowerBooks v.1.2.3

This article explains Error Codes for Apple Hardware Test PowerBook version 1.2.3 for PowerBook G4 (1GHz/867MHz), PowerBook G4 (DVI), and previous PowerBooks released since the PowerBook (Firewire). For more information on Apple Hardware Test v1.2.3, which was distributed with the Apple PowerBook, you can see the [Read Me](#) in the Knowledge Base, which includes known issues and AppleCare recommendations.

Error Codes, Apple Hardware Test for PowerBook version 1.2.3 for PowerBook G4 (1GHz/867MHz) and previous PowerBooks released since PowerBook (Firewire)		
vers. f1-2002/11/05		
WARNING: Any Action recommendation in this document implies that it is being done while the Unit Under Test is powered down and ESD precautions are followed.		
		NOTES
Message	Action	1
AirPort: No Device Found Modem: No Device Found	a) If installed, reseal and retest b) Check for connector damage c) Replace the Modem Card or the AirPort Card	
Post Error Code	Action	1, 2
post/16/X YYYYYYY	a) Reseat DIMM(s) YYYYYYY and retest b) Replace DIMM(s) YYYYYYY c) Replace Main Logic Board	3
post/16/x	Replace Main Logic Board	
Error Code	Action	2, 4
airp/X/X	a) Reseat AirPort Card and retest b) Check for connector damage c) Replace the AirPort Card	
ata1/X/X HD: X,X ata1/X/X CD/DVD: X,X	a) Reseat drive cable and retest b) Replace drive cable and retest c) Replace Drive	5
cpu_/X/X	Replace Main Logic Board	6
disp/X/X	Replace the Main Logic Board	
fire/X/X	a) Shutdown, power up & retest b) Reset NVRAM c) Replace Main Logic Board	
i2c_/X/X	Replace Main Logic Board	
mem_/X/X YYYYYYY	a) Reseat DIMM(s) YYYYYYY and retest b) Replace DIMM(s) YYYYYYY	3
modm/X/X	a) If a modem is installed, reseal Modem and retest b) Check for connector damage c) Replace the Modem Card	
pmuc/X/X	Replace PMU Board	7
rom_/X/X	a) May indicate BootROM corruption - restore firmware if possible b) Replace Main Logic Board	

scc_/X/X	Replace Main Logic Board	
sond/X/X	Replace Main Logic Board	
sund/X/X	Replace Main Logic Board	
unet/4/X unet/5/X unet/6/X	(a) Disconnect any network/crossover cable connected to the UUT (b) If error disappears, check the network connection (hub, switch, etc.) (c) If error persists, replace Main Logic Board	
unet/X/X	Replace Main Logic Board	6
usb_/X/X	Replace Main Logic Board	
Runtime Keyboard Shortcuts		
Tab -- cycles between the tabs	R -- Restart - MUST use Shift Key	
g -- starts the Quick Test	S -- Shutdown - MUST use Shift Key	
e -- starts the Extended Test	L -- Toggle Looping mode - MUST use Control Key, when tests are NOT running	8
Period -- stops testing	Right Arrow -- Opens the Mass Storage disclosure Left Arrow -- Closes the Mass Storage disclosure	
Notes and Comments		
<ol style="list-style-type: none"> Apple Hardware Test gathers this information during its start up by checking for the presence of these devices. These Messages appear in the Test Results area of the Hardware Test panel. The "X" listed in error codes means that any number qualifies (if it is not one mentioned before). Bad or incompatible memory can be mapped out by the initial hardware self-diagnostic stage (POST). Such mapped out memory is no longer accessible and is not tested by AHT. These Messages appear in the Test Results area of the Hardware Test panel when Apple Hardware Test is running either Quick or Extended tests. When an error code of the style "ata1/x/x CD:x,x" happens on a Powerbook Firewire, the CD module should be reseated and retested prior to replacement. When run on a PowerBook Firewire, it might be the Processor Board that needs replacement. When run on a PowerBook Firewire, it is the Main Logic Board that needs replacement. When looping mode is ON, the words "Looping ON" will appear at the bottom of the "Test Results" log area; otherwise nothing will appear. When looping mode is in effect, all tests will loop indefinitely, until stopped by the user, or a failure occurs. Looping mode stays in effect until turned off by the user. While looping, a loop counter is displayed at the bottom of the "Test Results" log area. The loop count remains after testing has stopped, but will be cleared if tests are run again. 		

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