Power On Self Test Beep Codes for AMI and Phoenix BIOS

When an IBM compatible computer is first turned on, the hardware runs a Power-On Self Test (POST). If errors are encountered during this POST test, they are usually displayed via an audio beep or in the form of a code number flashed across the screen. With this audio code in hand, you can determine what part of the system is having problems and find a solution.

Standard IBM Error Codes | AMI Beep Codes | Phoenix Beep Codes | Award Beep Codes | BIOS Upgrades

Standard Original IBM POST Error Codes

1 short beep	Normal POST - system is ok
2 short beeps	POST Error - error code shown on screen
No beep	Power supply or system board problem
Continuous beep	Power supply, system board, or keyboard problem
Repeating short beeps	Power supply or system board problem
1 long, 1 short beep	System board problem
1 long, 2 short beeps	Display adapter problem (MDA, CGA)
1 long, 3 short beeps	Enhanced Graphics Adapter (EGA)
3 long beeps	3270 keyboard card

IBM POST Diagnostic Code Descriptions

100 - 199	System Board
200 - 299	Memory
300 - 399	Keyboard
400 - 499	Monochrome Display
500 - 599	Color/Graphics Display
600 - 699	Floppy-disk drive and/or Adapter
700 - 799	Math Coprocessor
900 - 999	Parallel Printer Port
1000 - 1099	Alternate Printer Adapter
1100 - 1299	Asynchronous Communication Device, Adapter, or Port
1300 - 1399	Game Port
1400 - 1499	Color/Graphics Printer

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Tools for Removing Spyware, Adware, and Malware

PC HELL

1500 - 1599	Synchronous Communication Device, Adapter, or Port
1700 - 1799	Hard Drive and/or Adapter
1800 - 1899	Expansion Unit (XT)
2000 - 2199	Bisynchronous Communication Adapter
2400 - 2599	EGA system-board Video (MCA)
3000 - 3199	LAN Adapter
4800 - 4999	Internal Modem
7000 - 7099	Phoenix BIOS Chips
7300 - 7399	3.5" Disk Drive
8900 - 8999	MIDI Adapter
11200 - 11299	SCSI Adapter
21000 - 21099	SCSI Fixed Disk and Controller
21500 - 21599	SCSI CD-ROM System

AMI BIOS Beep Codes

1 Short Beep	One beep is good! Everything is ok, that is if you see things on the screen. If you don't see anything, check your monitor and video card first. Is everything connected? If they seem fine, your motherboard has some bad chips on it. First reset the SIMM's and reboot. If it does the same thing, one of the memory chips on the motherboard are bad, and you most likely need to get another motherboard since these chips are soldered on.
2 Short Beeps	Your computer has memory problems. First check video. If video is working, you'll see an error message. If not, you have a parity error in your first 64K of memory. First check your SIMM's. Reseat them and reboot. If this doesn't do it, the memory chips may be bad. You can try switching the first and second banks memory chips. First banks are the memory banks that your CPU finds its first 64K of base memory in. You'll need to consult your manual to see which bank is first. If all your memory tests good, you probably need to buy another motherboard.
3 Short Beeps	Basically the same thing as 2 beeps. Follow that diagnosis above.
4 Short Beeps	Basically the same thing as 2 beeps. Follow that diagnosis above. It could also be a bad timer
5 Short Beeps	Your motherboard is complaining. Try reseating the memory and rebooting. If that doesn't help, you should consider another motherboard. You could probably get away with just replacing the CPU, but that's not too cost-effective. Its just time to upgrade!
6 Short Beeps	The chip on your motherboard that controls your keyboard (A20 gate) isn't working. First try another keyboard. If it doesn't help, reseat the chip that controls the keyboard, if it isn't soldered in. If it still beeps, replace the chip if possible. Replace the motherboard if it is soldered in.

Other Pages

Spyware/Adware Removal Help

MSBlast.exe Worm Removal

Welchia (Dllhost.exe and SVCHost.exe) Worm Removal

Bloodhound.Exploit.6 Virus Removal

MyDoom Virus Removal

MiMail.C Virus Removal

Swen Worm Virus Removal

SoBig.F Worm Removal

Dumaru Virus Removal

BugBear.B Worm Removal

SoBig.E Worm Removal

Pop Up Ad Removal Info

KAK Worm Removal

MiMail.A Worm Removal

W95.MTX Virus Removal

Snow White Virus Removal

BadTrans Trojan Removal

Wininit Virus (Bymer Trojan)

Happy99 Worm Removal

VBS Netlog Worm Removal

Pretty Park Worm Removal

Sasser Worm Virus Removal

Backdoor SDBot.H Trojan Removal

7 Short Beeps	Your CPU broke overnight. Its no good. Either replace the CPU, or buy another motherboard.
8 Short Beeps	Your video card isn't working. Make sure it is seated well in the bus. If it still beeps, either the whole card is bad or the memory on it is. Best bet is to install another video card.
9 Short Beeps	Your BIOS is bad. Reseat or Replace the BIOS.
10 Short Beeps	Your problem lies deep inside the CMOS. All chips associated with the CMOS will likely have to be replaced. Your best bet is to get a new motherboard.
11 Short Beeps	Your problem is in the Cache Memory chips on the motherboard. Reseat or Replace these chips.
1 Long, 3 Short Beeps	You've probably just added memory to the motherboard since this is a conventional or extended memory failure. Generally this is caused by a memory chip that is not seated properly. Reseat the memory chips.
1 Long, 8 Short Beeps	Display / retrace test failed. Reseat the video card.

VBS.Loveletter Help

Computer Security Information

Back Orifice Information

PC HELL Main Page

Phoenix BIOS Beep Codes

These audio codes are a little more detailed then the AMI codes. This BIOS emits three sets of beeps. For example, 1 -pause- 3 -pause 3 -pause. This is a 1-3-3 combo and each set of beeps is separated by a brief pause. Listen to this sequence of sounds, count them, and reboot and count again if you have to.

1-1-3	Your computer can't read the configuration info stored in the CMOS. Replace the motherboard.
1-1-4	Your BIOS needs to be replaced.
1-2-1	You have a bad timer chip on the motherboard. You need a new motherboard.
1-2-2	The motherboard is bad.
1-2-3	The motherboard is bad.
1-3-1	You'll need to replace the motherboard.
1-3-3	You'll need to replace the motherboard.
1-3-4	The motherboard is bad.
1-4-1	The motherboard is bad.
1-4-2	Some of your memory is bad.
2-_-_	Any combo of beeps after two means that some of your memory is bad, and unless you want to get real technical, you should probably have the guys in the lab coats test the memory for you. Take it to the shop.
3-1-_	One of the chips on your motherboard is broken. You'll likely need to get another board.

3-2-4	One of the chips on your motherboard that checks the keyboard is broken. You'll likely need to get another board.
3-3-4	Your computer can't find the video card. Is it there? If so, try swapping it with another one and see if it works.
3-4-_	Your video card isn't working. You'll need to replace it.
4-2-1	There's a bad chip on the motherboard. You need to buy another board.
4-2-2	First check the keyboard for problems. If nothing, you have a bad motherboard.
4-2-3	Same as 4-2-2.
4-2-4	One of the cards is bad. Try yanking out the cards one by one to isolate the culprit. Replace the bad one. The last possibility is to buy another motherboard.
4-3-1	Replace the motherboard.
4-3-2	See 4-3-1
4-3-3	See 4-3-1
4-3-4	Time of day clock failure. Try running the setup program that comes with the computer. Check the date and time. If that doesn't work, replace the battery. If that doesn't work, replace the power supply. You may have to replace the motherboard, but that is rare.
4-4-1	Your serial ports are acting up. Reseat, or replace, the I/O card. If the I/O is on the motherboard itself, disable them with a jumper (consult your manual to know which one) and then add an I/O card.
4-4-2	See 4-4-1, but this time is your Parallel port that's acting up.
4-4-3	You math coprocessor is having problems. Run a test program to double-check it. If it is indeed bad, disable it, or replace it.
Low 1-1-2	Your motherboard is having problems
Low 1-1-3	This is an Extended CMOS RAM problem, check your motherboard battery, and motherboard.

Award BIOS Post Codes

Unfortunately there are many versions of the Award BIOS, and they are supported not by one company, but by the motherboard maker. Award's website states "Award Software software products are sold to a board or system manufacturer ("hardware vendor"), who customizes them further before selling the system. Award Software cannot supply upgrades for a BIOS that has been subsequently modified by hardware vendors."

For further help on Award BIOS problems contact:

Unicore Software (1-800-800-BIOS) handles all upgrades for Award Software BIOS products. Their e-mail address is sales@unicore.com.

Unicore Software specializes in BIOS upgrades when the hardware vendor no longer supports your system. Additionally, upgrades from Unicore Software often support new technologies (such as larger hard drives, removable boot media, and new processors) that were unavailable when your system was designed.

The hardware vendor that designed your system is the best source for bug fixes and answers about your system.

BIOS Upgrades

With so many advances in technology, sometimes your computer may need a BIOS upgrade to take advantage of new devices, or make your computer perform better.

eSupport.com is the world's oldest and largest provider of BIOS Upgrade technology with nearly 15 years of unparalleled excellence in the industry. eSupport.com is the **OFFICIAL AUTHORIZED** BIOS upgrade and support center for **Award BIOS** and **AMI BIOS (American Megatrends Inc.).**

Take advantage of their free tools to examine your BIOS and learn more.

BIOS Agent

The BIOS Agent is a simple, easy to use program that will automatically identify your computers BIOS and other system information. You'll quickly identify:

- BIOS Date
- BIOS Type
- BIOS ID String
- Motherboard OEM data
- Motherboard Chipset
- Super I/O data
- CPU data
- BIOS ROM data
- Memory data

BIOS Wizard

The BIOS Wizard is a simple and easy to use program that will examine and identify the BIOS and Chipset on your system.

Links to Other Important Information

How to Remove MSBLAST.EXE worm

How to Remove Content Advisor Password in Internet Explorer

How to Fix Problem of Limited or No Connectivity After installing Windows XP Service Pack 2

Parents Guide to MySpace.com - a report every parent should read

What is Windows Genuine Advantage and How to Overcome Problems With It

How to Fix the Prompt for Click to Run an ActiveX Control on this webpage

How to Correct Missing "Copy to CD" option in My Pictures Tasks

How to Fix Autochk Program Not Found error

How to Use Microsoft SyncToy to backup your important files

How to Delete Temporary Internet Files, Cookies, and History files

How to Disable, Uninstall, and Remove Windows Messenger instant messaging from Windows XP

How to Remove Windows Messenger in Windows XP

Free DVD Decoder Software and Help

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HijackThis Tutorial for removing Spyware

Review of Adsense Detective, Getting Stats and Results from Adsense

How to Disable System Restore in Windows ME or Windows XP

How to Uninstall Internet Explorer 7

How to Install NetBEUI in Windows XP

What is the KB891711.exe file in Windows 98 or Windows ME?

How to Troubleshoot and Solve USB Device Error Code 10

Spooler Subsystem App has encountered a problem and needs to close Error and How to Fix it

How to Fix Problem opening Microsoft Outlook

How to Disable News Headlines in Netscape

How to Bring Back Missing Folders in Netscape Communicator

How to Backup and Restore Outlook Express Mail, Address Book, Blocked Senders List and other Settings

What is the Tilde (~) File on my Desktop?

What is the thumbs.db file and can I remove it

[Password is Not Saved in Outlook Express or Outlook in Windows XP]

[Allow Viewing of Attachments in Outlook Express 6]

[How to Fix Problems Viewing or Accessing Secure Web Sites]

[How to Start or Boot Windows into Safe Mode]

[What is the Winmail.dat file attached to emails?]>

[How to Correct Unreadable Fonts in Norton Antivirus or Norton Systemworks]

[How to correct issue with No Visible Menu Bar or Tabs in Windows XP Task Manager]

[How Disable/Enable the Windows XP Welcome Screen]

[How to Fix Windows Update Error 0x80070420]

[PopUp Ad Removal Software and Help]

[Review of ErrorNuker program to identify and fix problems with the Windows Registry]

[Spyware and Adware Removal Help]

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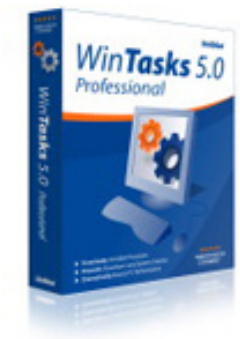


WinTasks 5 Professional

In the recesses of your computer, 20-30 invisible processes run silently in the background. Some hog system resources, turning your PC into a sluggish computer. Worse yet, other useless processes harbour spyware and Trojans - violating your privacy and giving hackers free reign on your computer. WinTasks 5 Professional can stop all of this now - you can ferret out these useless processes and make your computer run safer and faster.
More Info...

WinBackup 2.0 Standard

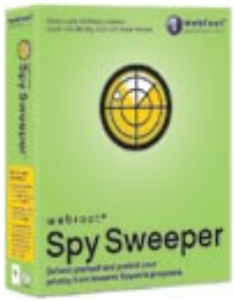
Awarded best backup software by Computer Shopper and quoted in PC World as "exceptionally easy to use, WinBackup is the ultimate Windows security guard for your office, laptop, notebook, and home computer. This software safeguards your files against system failure, hard drive crashes, virus attacks, loss, theft, or user error .
More Info...

SpeedUpMyPC

Now, you can get a faster, cleaner, and safer PC within minutes - without being a Windows expert! SpeedUpMyPC automatically finds the best settings for your PC and carefully controls your system resources to give you the best performance. Easy to use, this award-winning utility has all the features you could ever need to clean up your system, monitor resources, and improve performance.
More Info...

Get essential software with Google Pack.
including Ad-Aware SE, Norton Antivirus, and Mozilla Firefox

Error Nuker



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