

Technobezz Computer Beep Codes Reference Guide

Introduction

Beep codes are diagnostic signals emitted by a computer's BIOS to indicate hardware issues during startup. This guide provides a comprehensive list of beep codes for major BIOS manufacturers.

AMI BIOS Beep Codes

Beeps	Meaning
1 short	Normal POST, system is ok
2 short	POST error, review screen for error code
3 short	Memory error
4 short	Clock not operational
5 short	CPU or motherboard error
6 short	Keyboard controller error
7 short	CPU error
8 short	Video memory error
9 short	ROM checksum error
10 short	CMOS shutdown register read/write error
11 short	Cache memory error

Award BIOS Beep Codes

Beeps	Meaning
1 long, 2 short	Video adapter error
1 long, 3 short	Video adapter error
1 long, 8 short	Video display error
Continuous beep	Power supply or system board problem
Repeating high/low	CPU overheating
1 long, continuous beeps	DRAM refresh failure
High frequency beeps	CPU overheating or issue

Phoenix BIOS Beep Codes

Beeps	Meaning
1-1-1-3	Verify real-time clock
1-1-2-1	CMOS read/write failure
1-1-2-3	BIOS ROM checksum error

Beeps	Meaning
1-1-3-1	System RAM failure
1-1-3-2	Extended memory failure
1-1-3-3	Memory test failure
1-1-4-1	Motherboard failure
1-1-4-3	Keyboard failure
1-2-1-1	IDE drive failure
1-2-1-2	Timer tick interrupt failure
1-2-1-3	Timer 2 test failure
1-2-2-1	Serial port failure
1-2-2-3	Parallel port failure
1-2-3-1	Math coprocessor failure
1-2-3-3	Conventional memory failure

IBM BIOS Beep Codes

Beeps	Meaning
No beeps	Power supply or system board problem
1 short	Normal POST, system is ok
2 short	POST error, review screen for error code
Continuous	Power supply, system board, or keyboard problem
Repeating short	Power supply or system board problem
1 long, 1 short	Motherboard problem
1 long, 2 short	Video adapter problem
1 long, 3 short	Video adapter problem

Computer Beep Codes Reference Guide

Beeps	Meaning
No beep	Power failure or loose connection
1 short beep	Normal system boot
2 short beeps	CMOS setting errors
1 long beep, 1 short beep	Motherboard problem
1 long beep, 2 short beeps	Video card problem
1 long beep, 3 short beeps	Video card problem
3 long beeps	Keyboard error
Repeating high-pitched beeps	Overheating issue
5 short beeps	CPU error
6 short beeps	Keyboard error
8 short beeps	Display memory error
Continuous long beeps	Power supply unit failure