

SYSTEM INFO DLL
For Visual Basic

Version 1.0

I. INTRODUCTION

The SYSTEM INFO DLL provides 20 functions to access system information from within a Visual Basic program. I have included the VB source for a program that demonstrates most of the functions available in the SYSTEM INFO DLL.

1. What is supported.

Microsoft Visual Basic version 2.0 or higher.

2. Registration.

It is expected that if you find the SYSTEM INFO DLL useful, you will register your copy. You may not distribute this DLL with programs intended for sale unless you have registered. Upon registration, you will receive the latest version of the SYSTEM INFO DLL plus full source code (written in Borland C++ 3.1). The source code itself can be a valuable source of information for writing your own DLLs. Registered users may then distribute the SYSTEM INFO DLL without further royalties.

3. Disclaimer.

USE THIS LIBRARY AT YOUR OWN RISK. I have made great efforts to test this DLL on as many different computers as possible, but, I will not assume any responsibility for any problems which this library may cause you. If you do run into a problem, please let me know about it and I will do my best to respond to it.

II. SYSTEM FUNCTIONS

This sections lists all the functions available in the SYSTEM INFO DLL as well as a brief description, any parameters required or returned, and an example of how to use the function.

A. VIDEO

1. GetCrtType

Returns whether a monochrome or color display is attached to an EGA or VGA card.

0 - Color display attached
1 - Monochrome display attached

usage: ret% = GetCrt()

argument list: none

return value: int display type

2. GetVidType

Returns the type of video card installed.

- 1 - HGA (Hercules Monochrome Graphics Adapter)
- 2 - CGA (Color Graphics Adapter)
- 3 - EGA (Enhanced Graphics Adapter)

4 - VGA (Video Graphics Array)

usage: ret% = GetVidType()

argument list: none

return value: int video card type

B. DRIVES

1. ChkCDROM

Returns whether a CD-ROM drive is installed.

usage: ret% = ChkCDROM()

argument list: none

return value: int 1 - Yes, 0 - No

2. ChkDbIspace

Returns whether Microsoft DbIspace driver is installed.

usage: ret% = ChkDbIspace()

argument list: none

return value: int 1 - Yes, 0 - No

3. ChkSmartDrv

Returns whether Microsoft SMARTDRV (version 4.0 or higher) is installed.

Note: Also returns a 1 if Central Point's PC-Cache (version 8.0 or higher) is installed.

usage: ret% = ChkSmartDrv()

argument list: none

return value: int 1 - Yes, 0 - No

4. GetFloppyDrvs

Returns the drive type for floppy drives A and B.

0 - Not installed
1 - 360K DD drive
2 - 1.2M HD drive
3 - 720K DD drive
4 - 1.44M HD drive
5 - 2.88M ED drive

usage: ret% = GetFloppyDrvs(a%, b%)

arguments: a%	drive A
b%	drive B
return value: int	0 - no errors

5. GetDrvSpace

Returns various information on drive space for a given drive (0 - default, 1 for A, 2 for B, and so on).

Cluster Size = Bytes Per Sector * Sectors Per Cluster
 Free Space = Free Clusters * Cluster Size
 Total Space = Total Clusters * Cluster Size
 Used Space = Total Space - Free Space

usage: ret% = GetDrvSpace(drive%, SecPerClus&, FreeClus&, BytesPerSec&, TotalClus&)

argument list: drive%	drive number
SecPerClus&	Sectors Per Cluster
FreeClus&	Free Clusters
BytesPerSec	Bytes Per Sector
TotalClus&	Total Clusters

return value: int	0 - no errors
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6. GetLastDrv

Returns the number of available drive letters.

usage: ret% = GetLastDrv()

argument list: none

return value: int	number of available drive letters
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7. GetMSCDEX

Returns the MSCDEX CD-ROM extension version.

usage: ret% = GetMSCDEX(major%, minor%)

argument list: major%	major version
minor%	minor version

return value: int	1 - MSCDEX installed
	0 - MSCDEX not installed

8. IsCDROM

Returns whether a given drive is an MSCDEX CD-ROM drive (0 for A, 1 for B, 2 for C, and so on).

usage: ret% = IsCDROM(drive%)

argument list: drive%	drive number
return value: int	1 - Yes, 0 - No

9. IsDbfSpace

Returns whether a given drive is DbfSpace compressed drive (0 for A, 1 for B, 2 for C, and so on).

usage: ret% = IsDbfSpace(drive%)

argument list: drive%	drive number
return value: int	1 - Yes, 0 - No

C. MOUSE

1. GetMouseInfo

Returns the mouse driver version, mouse type and mouse IRQ.

Major - Major version
 Minor - Minor version
 Mouse - Mouse type

1 - Bus mouse
 2 - Serial mouse
 3 - Inport mouse
 4 - PS/2 mouse
 5 - Hewlett-Packard mouse

IRQ - IRQ used by mouse

PS/2 mouse returns an IRQ of 0

Note: Must be a Microsoft or compatible mouse driver.

usage: ret% = GetMouseInfo(major%, minor%, mouse%, irq%)

argument list: major%	major version
minor%	minor version
mouse%	mouse type
irq%	mouse irq
return value: int	1 - Mouse driver installed 0 - Mouse driver not installed

D. HARDWARE

1. GetID

Returns the BIOS model, submodel, and revision bytes.

usage: Call GetID(model%, submodel%, rev%)

argument list:	model%	model I.D. byte
	submodel%	submodel I.D. byte
	rev%	revision byte

return value: none

2. GetParallel

Return the number of parallel ports installed.

usage: ret% = GetParallel()

argument list: none

return value:	int	number of parallel ports
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3. GetSerial

Returns the number of serial ports installed.

usage: ret% = GetSerial()

argument list: none

return value:	int	number of serial ports
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E. DOS

1. GetDosOem

Returns the DOS OEM identification number.

usage: ret% = GetDosOem()

argument list: none

return value:	int	DOS OEM number
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2. GetDosVer

Returns the major and minor DOS version numbers.

Note: IBM PC-DOS 6.1 returns version 6.0, use OEM number to distinguish it from MS-DOS 6.0.

usage: Call GetDosVer(major%, minor%)

argument list:	major%	DOS major version
	minor%	DOS minor version

return value: none

3. GetDrDosVer

Returns the DR-DOS version I.D..

00h - DR-DOS not installed
 01h - Multi-User DR-DOS
 60h - DOS Plus
 63h - DR-DOS 3.41
 64h - DR-DOS 3.42
 65h - DR-DOS 5.0
 67h - DR-DOS 6.0
 70h - Palm DOS
 71h - DR-DOS 6.0 (March 1993 business update)
 72h - Novell DOS 7.0

usage: ret% = GetDrDosVer()

argument list: none

return value: int DR-DOS version I.D.

F. NETWORK

1. ChkIPX

Returns whether Novell IPX is installed.

usage: ret% = ChkIPX()

argument list: none

return value: int
 1 - IPX installed
 0 - IPX not installed

2. GetNetShellInfo

Returns the Novell NetShell version, revision and memory type.

Major - Major version
 Minor - Minor version
 Revision - Shell revision number
 Memory - Shell memory type (ver 3.01 or higher)

0 - Conventional memory
 1 - Expanded memory (EMS)
 2 - Extended memory (XMS)

usage: ret% = GetNetShellInfo(major%, minor%, rev%, mem%)

argument list:	major%	major version
	minor%	minor version
	rev%	revision number
	mem%	memory type

return value: int
 1 - NetShell installed
 0 - NetShell not installed