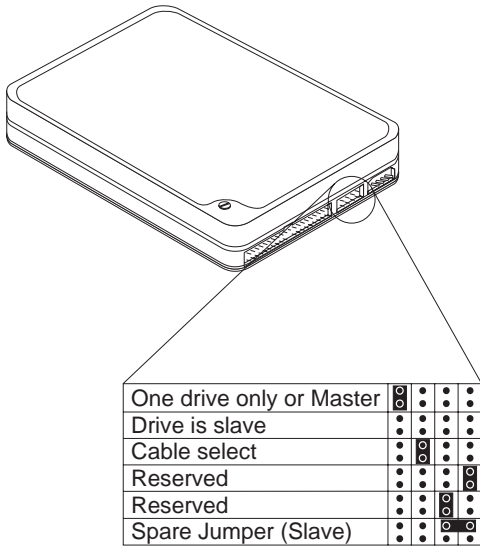


6.4/9.1 GB IDE Hard Disk Drive User's Guide Supplement

This supplement contains jumper setting, specification, and warranty information for your hard disk drive.



ATTENTION: Read this document first!

This hard drive is supported by the IBM Corporation for installation as a primary or additional drive in the following IBM systems: All Intellistations, PC300PL2 (6882, 6892). Newer PC 300 models will be added as they are announced. For a current list of compatible systems, go to <http://www.pc.ibm.com/us/options/compat>. All compatible systems support the full capacity of this drive. The Deskstar *User's Guide* shipped with this option is useful in assisting inexperienced installers mount and setup the drive. However, the following differences between the guide's instructions and your drive should be noted:

Your new drive is not a Deskstar drive.

Because this product is fully supported by the BIOS in each of the IBM compatible systems, you do not need to use **Disk Manager** to install the drive, and a copy of **Disk Manager** is not included in this option package. Therefore, ignore all references to **Disk Manager** in the *User's Guide*.

Follow these instructions to correctly place jumpers on your drive:

1. Your new drive is among the fastest EIDE drives available. To maximize your system's performance, make your drive the **Master** on your Primary IDE port. However, if you already have a drive with similar performance, this drive should be added as the **Slave** on the Primary port. If those two positions are already filled with hard drives of equal performance capability, add the drive as the **Master** on the Secondary port. A CD-ROM or tape drive cannot be **Master** on the same port as a hard drive.
2. If your drive will replace an existing EIDE boot drive (the **Master** on the Primary port), it must first be installed in another logical position, so that the files on the existing boot drive can be copied to the new drive. Then you can move the jumpers on the drives to make the new drive the **Master** and the old drive a **Slave**.
3. Place jumpers on your drive as shown on the above diagram. The one jumper either needs to be in **Master** position (for **Master** or only drive on a port) or in the spare jumper position (for **Slave**).

Hard Disk Drive:	9.1 GB	6.4 GB
Commercial option part number	01K1330	01K1329
Drive part number	02K3408	10L6070
Disk Drive Configuration:		
Formatted capacity	9100 MB	6400 MB
Logical Parameters:		
Number of heads	16	15
Number of cylinders	16383	13328
Number of sectors per track	63	63

Performance (all values typical averages) :	
Read - seek time	9.5 ms
Write - seek time	10.5 ms
Rotational speed	7200 RPM
Buffer size	512 KB
Disk Transfer (Buffer to Host)	
Burst (Max. MB/sec)	
Ultra DMA Mode-2	33
DMA Mode-2	16.6
PIO Mode-4	16.6
Sustained (Avg. MB/sec)	11.5
Power Requirements (all values typical averages) :	
+5 V dc idle amps	0.38
+12 V dc idle amps	0.76
+5 V dc startup amps	0.38
+12 V dc startup amps	2.5
Idle power watts	11.0
Operating Environment: (operating) / (not operating)	
Shock (half-sine)	10 G (11ms) / 200 G (2ms)
Temperature	5°-55°C / -40°-70°C
Relative humidity (non-condensing)	8%-90% / 5%-95%
Vibration	0.5 G / 2.0 G
Actual performance varies based upon many factors and is frequently less than the maximum possible. Up to 64 KB reserved for drive firmware.	

The following warranty information applies to products purchased in the United States, Canada, and Puerto Rico. For warranty terms and conditions for products purchased in other countries, see the enclosed Warranty insert, or contact your IBM reseller or IBM marketing representative.

International Business Machines Corporation
Armonk, New York, 10504

Statement of Limited Warranty

The warranties provided by IBM in this Statement of Limited Warranty apply only to Machines you originally purchase for your use, and not for resale, from IBM or your reseller. The term "Machine" means an IBM machine, its features, conversions, upgrades, elements, or accessories, or any combination of them. Unless IBM specifies otherwise, the following warranties apply only in the country where you acquire the Machine. If you have any questions, contact IBM or your reseller.

Machine: 6.4/9.1 GB IDE Hard Disk Drive P/N: 01K1329, 01K1330

Warranty Period*: Three Years

**Contact your place of purchase for warranty service information.*

Production Status

Each Machine is manufactured from new parts, or new and used parts. In some cases, the Machine may not be new and may have been previously installed. Regardless of the Machine's production status, IBM's warranty terms apply.

The IBM Warranty for Machines

IBM warrants that each Machine 1) is free from defects in materials and workmanship and 2) conforms to IBM's Official Published Specifications. The warranty period for a Machine is a specified, fixed period commencing on its Date of Installation. The date on your receipt is the Date of Installation, unless IBM or your reseller informs you otherwise.

During the warranty period IBM or your reseller, if authorized by IBM, will provide warranty service under the type of service designated for the Machine and will manage and install engineering changes that apply to the Machine.

For IBM or your reseller to provide warranty service for a feature, conversion, or upgrade, IBM or your reseller may require that the Machine on which it is installed be 1) for certain Machines, the designated, serial-numbered Machine and 2) at an engineering-change level compatible with the feature, conversion, or upgrade. Many of these transactions involve the removal of parts and their return to IBM. You represent that all removed parts are genuine and unaltered. A part that replaces a removed part will assume the warranty service status of the replaced part.

If a Machine does not function as warranted during the warranty period, IBM or your reseller will repair it or replace it with one that is at least functionally equivalent, without charge. The replacement may not be new, but will be in good working order. If IBM or your reseller is unable to repair or replace the Machine, you may return it to your place of purchase and your money will be refunded.

If you transfer a Machine to another user, warranty service is available to that user for the remainder of the warranty period. You should give your proof of purchase and this Statement to that user. However, for Machines which have a life-time warranty, this warranty is not transferable.

Warranty Service

To obtain warranty service for the Machine, you should contact your reseller or call IBM. In the United States, call IBM at **1-800-772-2227**. In Canada, call IBM at **1-800-565-3344**. You may be required to present proof of purchase.

IBM or your reseller will provide certain types of repair and exchange service, either at your location or at IBM's or your reseller's service center, to restore a Machine to good working order.

When a type of service involves the exchange of a Machine or part, the item IBM or your reseller replaces becomes its property and the replacement becomes yours. You represent that all removed items are genuine and unaltered. The replacement may not be new, but will be in good working order and at least functionally equivalent to the item replaced. The replacement assumes the warranty service status of the replaced item. Before IBM or your reseller exchanges a Machine or part, you agree to remove all features, parts, options, alterations, and attachments not under warranty service. You also agree to ensure that the Machine is free of any legal obligations or restrictions that prevent its exchange.

You agree to:

1. obtain authorization from the owner to have IBM or your reseller service a Machine that you do not own; and
2. where applicable, before service is provided —
 - a. follow the problem determination, problem analysis, and service request procedures that IBM or your reseller provide,
 - b. secure all programs, data, and funds contained in a Machine, and
 - c. inform IBM or your reseller of changes in a Machine's location.

IBM is responsible for loss of, or damage to, your Machine while it is 1) in IBM's possession or 2) in transit in those cases where IBM is responsible for the transportation charges.

Extent of Warranty

IBM does not warrant uninterrupted or error-free operation of a Machine.

The warranties may be voided by misuse, accident, modification, unsuitable physical or operating environment, improper maintenance by you, removal or alteration of Machine or parts identification labels, or failure caused by a product for which IBM is not responsible.

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Circumstances may arise where, because of a default on IBM's part or other liability you are entitled to recover damages from IBM. In each such instance, regardless of the basis on which you are entitled to claim damages from IBM (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), IBM is liable only for:

1. damages for bodily injury (including death) and damage to real property and tangible personal property; and
2. the amount of any other actual direct damages or loss, up to the greater of U.S. \$100,000 or the charges (if recurring, 12 months' charges apply) for the Machine that is the subject of the claim.

UNDER NO CIRCUMSTANCES IS IBM LIABLE FOR ANY OF THE FOLLOWING: 1) THIRD-PARTY CLAIMS AGAINST YOU FOR LOSSES OR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); 2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF IBM OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.