



IBM 6094 Model 051 Spaceball 3D Input Device for RS/6000 Adds Ease-of-Use and Improved Response

Overview

The IBM 6094 Model 051 Spaceball 3D Input Device is a new model in the IBM 6094 Spaceball family of input devices. The unit features an ergonomically improved design, with a removable palm rest that can be switched to optimize right and left hand use. The new model has a smaller "ball" design and uses the newer PowerSensor technology that allows a more natural control of motion and improved response. Another major improvement of the new Model 051 is the additional user buttons. The Model 051 has twelve buttons, the prior model had eight buttons.

Additionally, the Model 051 is enhanced by a new SpaceWare 9.0 AIX® driver with additional functions. It delivers a flexible interface that allows users to create and modify button functions to suit their needs. This allows execution of user-defined controls to:

- Create groups of functions for multiple-user configurations
- Modify individual sensitivity settings for:
 - Panning
 - Zooming
 - Rotating

Also included is online help.

The new model does not require any feature selections and it is shipped with everything required for full connectivity and operation. The 6094 Model 051 Spaceball is a direct replacement for the current Model 031, as well as the 6094 Model 040 Spaceballs.

The Microsoft™ Natural Keyboard Elite (English) is now supported on the following RS/6000™ systems: the RS/6000 7043 Models 140, 150, 240, and 260 with AIX Version 4.3.2.

Key Prerequisites

Refer to the **Hardware Requirements** and **Software Requirements** sections for details.

Planned Availability Date

April 30, 1999

At a Glance

The new Model 051 features:

- Six degrees of freedom
- Improved ergonomic design
- Lighted Program Function Keys (LPFK) support
- Optimized 3D control
- Improved movable ball control

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Description

The IBM 6094 Model 051 Spaceball 3D Input Device puts intuitive 3D manipulation in your hands. You can view a computer-generated model from many angles using natural fingertip control on the Spaceball. It uses a more natural control technology allowing for easier use and improved response. The 6094-051 Spaceball helps to improve your productivity by providing:

- Six degrees of freedom — the Spaceball allows complete interactive spatial control, simultaneous translations and rotations about the X, Y, and Z axes.
- New LPFK support — the Spaceball provides the functionality of LPFKs, allowing you to have one less input device and one more available port on the system.
- Optimized 3D control — incorporates sensing technology that provides smooth dynamic six-degrees of freedom interactive graphics control.
- Improved movable ball control — has more precise intuitive control, making it easier to apply force equally in any direction.
- Improved ergonomic design — a removable palm rest can be switched to optimize for right and left hand use.

Interactive control is easy and natural. By simply applying fingertip control to push, pull, and twist the ball, you manipulate the image on the screen as though it were grasped and manipulated without any intermediate controls. It facilitates zooming, panning, and rotating.

Year 2000

These products do not have date dependencies and are therefore Year 2000 ready.

Product Positioning

The IBM 6094 Model 051 Spaceball 3D Input Device is a new member of the 6094 family of Input/Output (I/O) devices for the RS/6000 family of workstations. The Model 051 supports LPFK emulation and it also supports Dials emulation when using the Soft5080 AIX application only. The Model 051 is a direct replacement for the 6094 Models 031 and 040 and is available in Stealth Black only.

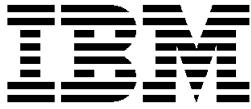
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IBM US Announcement Supplemental Information

April 6, 1999

Publications

The 6094-051 Spaceball 3D Input Device Installation and User's Guide (SA23-2524) is shipped with the IBM 6094 Model 051 Spaceball 3D Input Device. Additional copies are not available.

Technical Information

Specified Operating Environment

Physical Specifications

- Width: 152 mm (6.0 in)
- Depth: 213 mm (8.5 in)
- Height: 76 mm (3.0 in)
- Weight: 0.45 kg (1.0 lb)

Operating Environment

- Temperature: 10° to 40°C
- Relative Humidity: 8% to 80%
- Electrical Power: 0.06 watts

EMC Conformance Classification

- U.S.: FCC Class B
- Japan: VCCI-2
- Europe: CISPR 22 Class B
- Canada: ICES-003 Class B

Hardware Requirements: The 6094 Model 051 Spaceball 3D Input Device attaches to the RS/6000™ workstation S1 or S2 serial port via the D shell, 9-pin connector. The cable and/or the appropriate (9-pin to 25-pin) adapter plugs directly into the serial ports on all RS/6000 models.

The Spaceball attaches to the RS/6000 7006, 7008, 7009, 7011, 7012, 7013, 7025, 7030, 7043, and 7248 workstations.

Software Requirements

- AIX® Version 4.2.1 or 4.3.2, or later modification level, is required.
- A SpaceWare Installation/Driver CD-ROM is shipped with the unit.
- Application support is required from independent software vendor (ISV) applications.

Limitations

- Consistent with those known and documented under RS/6000 workstations for attaching high-function terminal (HFT) devices to the serial ports
- Does not support dials emulation mode, except under the Soft5080 AIX application

Planning Information

Cable Orders: All required cables are included automatically in the order for the IBM 6094 Model 051 Spaceball.

Security, Auditability, and Control

This product uses the security and auditability features of the RS/6000 system to which it is attached and the applicable software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and Conditions

This product is available for purchase under the terms of the IBM Customer Agreement.

IBM hardware products are manufactured from new parts, or new and used parts. In some cases, the hardware product may have been previously installed. Regardless, IBM warranty terms apply.

Volume Orders: Contact your IBM representative.

IBM Credit Corporation Financing: Yes

Warranty Period: One year

Warranty Service: IBM On-Site Exchange (IOE)

Maintenance Service: IOE

Usage Plan Machine: No

IBM Hourly Service Rate Classification: Two

Volume Maintenance Option: No

Mid-Range System Option: Yes

Eligible Type	Discount	
	Three-Year	Five-Year
IBM 6094 Model 051	17%	22%

Corporate Service Option: Yes

Option	Discount	
	Three-Year	Five-Year
Network and/or System	25%	30%

Extended Maintenance Option: No

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

Central Facility Maintenance Service (CFMS) Option: No

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

Rental Offering: No

Product Available: Yes

Field-Installable Features: No

Model Conversions: No

Customer Setup: Yes

Graduated Charges: No

Educational Allowance: A reduced charge is available to qualified education customers. The educational allowance may not be added to any other discount or allowance.

Charges

Description	Machine Type/ Model	Purchase Price	Annual MMC
Spaceball 3D Input Device	6094-051	\$849	\$87

MMC = Minimum Maintenance Charge

ESA Maintenance Charge

Product	IBM On-Site Exchange (IOE 24 x 7)
6094-051	\$75

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Note: Shipments will begin after the planned availability date.

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