



# A Plan Of Action; Resolving Hardware Conflicts On Your Own - Toshiba P25-S509 User Manual

P25-s509 user's guide



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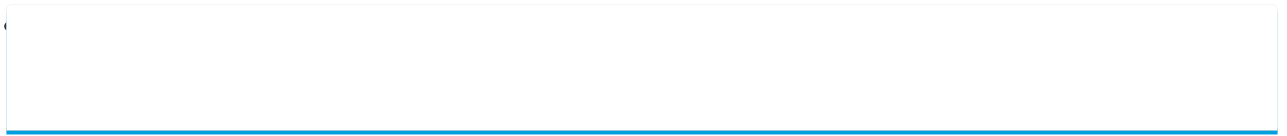
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## **A plan of action**

The smooth operation of the system depends on the interaction of all devices, programs, and features. If the system or one of its attached devices isn't working, resolving the problem can be time-consuming and frustrating. The recommended procedure for getting multiple devices to

work together is to add and set up one device at a time.

After

you add each device, test it to make sure it and all previously

connected devices work.

The device most recently connected to the system is the one

most likely to be causing a hardware conflict.

## **Resolving hardware conflicts on your own**

Computer components need resources to accomplish a task.

A device, such as a disk drive or a modem, needs a channel to the computer's Central Processing Unit (CPU). It also needs a

direct channel to the computer's memory to store information

as it works. These channels of communication are commonly

referred to as system resources.

## **Direct Memory Access**

Similarly, the data required by the device is stored in a specific place or address in memory called the Direct Memory Access (DMA). The DMA provides a dedicated channel for adapter cards to bypass the microprocessor and

access memory directly. If two or more devices use the

same

DMA, the data required by one device overwrites the data

required by the other. That may cause a hardware conflict.

## **Plug and Play**

With Plug and Play and the Windows

avoiding hardware conflicts is easy. Plug and Play is a computer standard that helps the system BIOS (basic input/output

system) and the operating system to automatically

assign resources to Plug and Play-compliant devices. In

## **If Something Goes Wrong**

*Resolving a hardware conflict*

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