

## DVD Rom or optical drive

It would seem - a banal thing, an optical drive he - CD Rom Dvd Rom, or Blu-ray. All this devices of different generations to read-write optical laser discs. Laser because read and write, they are precisely focused laser beam. In this article we will consider the device DVD Rom because it is most common at the moment but will touch upon other varieties of drives. In fact the optical drive is quite technical thing. The laser beam must be very precisely aimed and focused on the reflective layer of the disk in order to read the reflected signal at its microscopic depressions. But let's not get ahead of ourselves Let's take it slow. Firstly, let's abbreviations accepted abbreviations. Here is a photo DVD optical drive Red marked button to eject tray. The installation DVD Rom RW will not cause any difficulties. The only thing you should pay attention to the connection standard of the device. This can be either connection for IDE legacy or modern - SATA. Look at the rear panel optical drive DVD Rom with IDE connector which is shown in the photo below Let us briefly review the numerical Now look at the back side of the DVD Rom drive SATA standard It is impossible to ignore such kind of optical drive as a USB DVD Rom RW. Such devices for example are very helpful in situations if you want to install the operating system on the device does not have optical drive. These include all sorts of tablets and netbooks. In our IT Department we regularly use such a USB drive. Here is a photo of install Windows XP on a netbook from the company Asus. In fact it would be possible to finish this article but I would like to consider himself the principle of the recording laser disks and their device. To complete the picture so to speak The first CD was recorded like record once and for all. They were called CD-R Recordable. But very soon there will be discs for a re-writable CD-RW ReWritable. The technology of making them different. Information is not recorded on the layer of plastic and a film of special metal alloy which changes its properties under the influence of laser heating and forming alternating dark and light areas. They can be overwritten thousands of times. Recordable and rewritable discs are on the upper side of the plate a thin recordable layer. The discs can be written only once it consists of an organic dye irreversibly change their properties under the action of a laser beam. In the rewritable, instead this layer is a film of a special alloy that changes its reflecting

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