ABSTRACT OF THE DISCLOSURE

An apparatus of the present invention is an optical disk apparatus for irradiating with a laser beam an optical disk on which address marks are recorded at intervals based on a pulse width modulation method and for reproducing data from a reproduced signal based on reflected light. The apparatus includes: a pulse signal reproduction section for producing a reproduced pulse signal from the reproduced signal based on a threshold value; a threshold value production section for producing the threshold value based on the reproduced pulse signal; and a gate signal production section for producing an address gate signal at a timing when the address mark is reproduced.

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fig 1.