

ABSTRACT

A space area in a partition of a disc is managed according to the prohibition of a ROM standard that a space bitmap descriptor (SBD) is not recorded.

SBD is recorded when the disc is initialized, and an overwrite is executed in a partition in a device using SBD. When the disc is taken out, pointer information to SBD recorded to a partition descriptor (PD) is backed up to a SBD pointer information save file/or save data and then the pointer information is deleted. When the disc is recognized, the existence of the save file/data is confirmed, and SBD is restored.