October 96
SCE, Inc. R&D/Business Affairs

Bug notes: Sector Drop Out Problem during CD Read

We would like to inform you of special programming notes in regards
to CD access.

During CD data read by issuing CdRead(), CdRead2() of CdlReadN/CdlReadS
command, issuing other commands below may result in dropping out one sector
of data:

> CdlNop
> CdlGetlocL
> CdlGetlocP
> CdlSetloc

When the drop out occurs, the data that can be obtained by CdReady() or
DataReady callback is that of the NEXT sector, not the one expected.

Reason for this problem is because issuing other commands during
CD read overloads the CD subsystem, and thus finish reading the next
sector before completion of the previous command process.
This problem occurs more frequently in case of issuing several other
commands.

To avoid the drop out problem, please make sure not to issue other
command during data read.

CdRead() or Streaming Library of the Library Version 3.5 or later
monitors the sector continuity from the sub-header location
information. In case of drop out, CdReadSync is designed to
return an error code -1 (read failed).