

Subject: : AmigaOS4

Topic: : DMA buffer for PCI busmaster headache

Re: DMA buffer for PCI busmaster headache

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In addition for the ring buffer you might want to allocate a certain number of memory pages (aligned set to page size, with size a multiple of page size) and use `IMMU->GetMemoryAttrs()/IMMU->SetMemoryAttrs()` to set the memory as `MEMATTRF_CACHEINHIBIT`.

You can get the mmu page size using `IExec->GetCPUInfoTags()`.

```
ULONG get_page_size(void)
{
    ULONG page_size_bits = 0, i;
    ULONG page_size = 0;

    IExec->GetCPUInfoTags(GCIT_ExecPageSize, &page_size_bits, TAG_END);
    for (i = 0; i < 32; i++)
    {
        if (page_size_bits & (1UL << i))
        {
            page_size = (1UL << i);
            break;
        }
    }

    return page_size;
}
```