

Subject: : AmigaOS4

Topic: : DMA buffer for PCI busmaster headache

Re: DMA buffer for PCI busmaster headache

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The address returned by IExec->AllocVecTags() is a virtual address as seen by the CPU.

To get the physical address of the memory you allocated you need to use the IMMU->GetPhysicalAddress() function from the exec.library "mmu" interface.

The function has to be called from supervisor mode so you will have to do something like:

```
APTR get_physical_address(APTR virtual)
{
    APTR stack, physical;

    stack = IExec->SuperState();

    physical = IMMU->GetPhysicalAddress(virtual);

    if (stack != NULL)
        IExec->UserState(stack);
}
```