

ESS AudioDrive Dialog Box

Use the ESS AudioDrive dialog box to change the hardware configuration settings. These settings are set during installation of the driver, but it can be changed later if necessary. Avoid making changes except to correct or avoid a conflict with another device.

Dialog Box Options

I/O Address

The computer's processor uses the I/O (input/output) address to distinguish the ESS AudioDrive sound device from other devices when transmitting data. Each device must have its own address. Otherwise, certain features or programs may not work.

IRQ

The interrupt request line (IRQ) is a hardware signal line used by a device to send a request for immediate service to the computer's CPU. To avoid hardware conflicts, each device in or attached to your computer must have a unique IRQ.

DMA Channel

The ESS Audio Drive device uses the DMA(direct memory access) channel for emulation.

This virtual driver emulation of DMA is needed to simulate the DMA even if the DMA is not used.

ESS AudioDrive Advanced Dialog Box

Use the ESS AudioDrive advanced dialog box to fine tune audio performance. These settings are set during installation of the driver, but can be changed later if necessary. Avoid making changes except to correct performance related problems.

Dialog Box Options

DMA buffer size

The ESS AudioDrive device uses DMA (direct memory access) for moving data to and from a system memory buffer. The size of this buffer affects the efficiency of data movement. In general, data is moved more efficiently with a large buffer than with a small one.

Change the DMA buffer size if audio performance is not optimal, or if more memory should be allocated to applications.

ESS AudioDrive Advanced Dialog Box

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Dialog Box Options

Use Single Mode DMA

Select this box to switch from demand mode DMA (direct memory access) to single mode DMA. Demand mode DMA can move data more efficiently than single mode DMA.

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