

VSRT (Virtual Sound Redirection Technology)

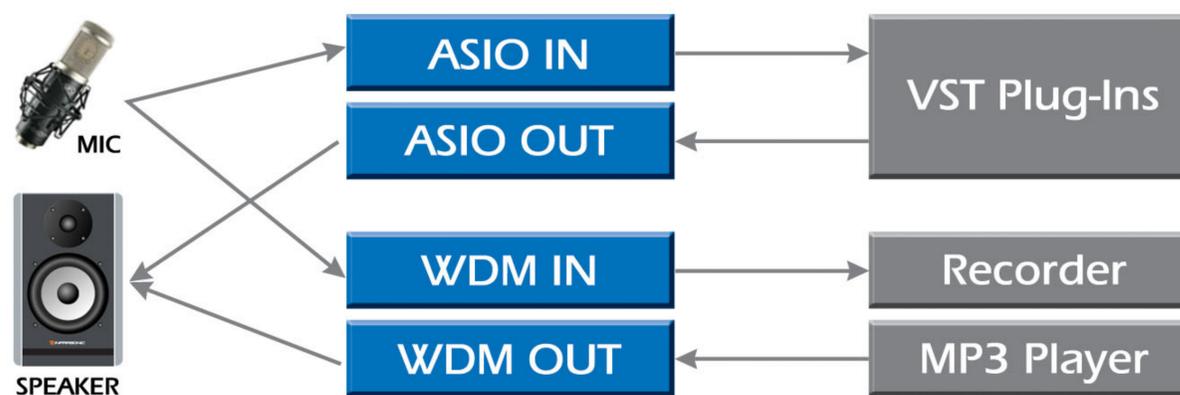
Virtual Sound Redirection Technology™ (VSRT™) is a new technology from SIMS Corporation. VSRT™ was created to route audio signals between Audio Stream Input/Output (ASIO) and the Windows Driver Model (WDM), while at the same time giving mixing balance control.

The WDM driver is used for audio applications in Windows ASIO is used for pro-audio applications. VSRT™ is the bridge technology that crosses ASIO and WDM's signal paths, enabling you to use both technologies in a single WDM driver application.

VSRT™ allows recording in your WDM application from an ASIO audio signal out. VSRT™ also allows background music—such as MP3s—to be simultaneously recorded into the WDM application from ASIO. The ASIO signal is processed by Virtual Studio Technology (VST) plug-ins with VSRT™ routing technology. The voice signal is processed by VST.

VSRT OFF

The following picture shows the general audio driver path. ASIO and WDM are operated by each independent audio driver IO, and are also required by each audio application per driver type.



VSRT ON

VSRT™ is a new approach to routing such independent driver operations.

VSRT switches WDM voice input "off" and the ASIO out (processed by the VST plug-in) goes directly to the speaker. At the same time, the ASIO output goes to the WDM input so that the processed voice is recorded in the WDM application.

MP3 playback from the WDM driver simultaneously transmits to the WDM input and the speaker. This allows recording of MP3 background music and VST processed voice together in the WDM recording application. The cross fader between WDM IN and WDM OUT can control both music and processed voice-balance level output.

