Programming VS1000 Audio Module using VSIDE

1. Connect VS1000 Audio Module to USB-UART cable.
   - GND (black)
   - TX (yellow)
   - RX (green)
   - Leave +5V unconnected for now
2. Ground (pin 22) to xCS (pin 12). This prevents boot from SPI FLASH during power-up.

3. Attach USB-UART cable to the USB port
4. Connect +5V (red) to the module's VDD (pin 32). This powers up the module.

5. Disconnect the connection between Ground (pin 22) and xCS (pin 12). This restores the normal operation of the xCS pin.
6. Start VSIDE, select the solution you want to program, select Prommer/Flasher Utility from the Project menu.

7. Select the correct programmer: VS1000 SPI FLASHER (24-bit). Press Next until you get to start programming.
8. Programming progress is also seen in the debug window.

If the programming fails, like in the above (Verify Error), check that you have removed the grounding from the xCS pin before running the programmer.
9. If the USB-UART cable appears as the wrong COM port, or the module does not respond, you get an error message.

10. If the connection to the module cannot be established, select Settings, and you can change the UART port manually or use the auto-detect option. If the auto-detect does not find a chip, detach and re-attach the USB-UART cable and try again.

11. When done, return to the programming screen and try to start the programming again.