# Post

I'm facing some frustrating compilation errors while trying to build Marlin 2.1 firmware for my STM32G0B1RE\_btt board (SKR Mini E3 V3 BigTreeTech) using PlatformIO. The errors seem to revolve around MarlinSPI.h  
and HAL\_SPI.cpp  
. Here's a snippet of the errors:

'spi\_mode\_e' does not name a type

'\_dataMode' was not declared in this scope

'SPI\_MODE\_0' was not declared in this scope

Error in SPIClass::transfer  
function call

I downloaded the firmware directly from Marlin's official repository, so I'm puzzled as to why it's not compiling. Interestingly, when I try with other boards, it compiles just fine.

Has anyone else encountered similar issues with the STM32G0B1RE\_btt board? I've heard suggestions about enabling 'Win32 long paths' and clearing the PlatformIO cache, but I'd like to hear if anyone has specific insights or solutions that worked for them.

Any help or guidance would be greatly appreciated!

# Comment

<https://www.reddit.com/r/MarlinFirmware/comments/17yqwnl/comment/k9z0dot/?utm_source=share&utm_medium=web3x&utm_name=web3xcss&utm_term=1&utm_content=share_button>

**Reposting from discord, origional post by Dust in the support chat channel, all credit to them.**

stm32 was upgraded to 2.7.0, wich broke all older marlins. do this to work aroud it:

edit ini/stm32g0.ini  
replace

[env:STM32G0B1RE\_btt] extends = stm32\_variant

platform = [ststm32@~14.1.0](mailto:ststm32@~14.1.0)

platform\_packages = framework-arduinoststm32@<https://github.com/stm32duino/Arduino_Core_STM32/archive/main.zip>

with

[env:STM32G0B1RE\_btt] extends = stm32\_variant

platform = [ststm32@~14.1.0](mailto:ststm32@~14.1.0)

platform\_packages = framework-arduinoststm32@<https://github.com/stm32duino/Arduino_Core_STM32/archive/refs/tags/2.6.0.zip>

then replace buildroot/share/PlatformIO/scripts/generic\_create\_variant.py with the one in bugfix <https://raw.githubusercontent.com/MarlinFirmware/Marlin/bugfix-2.1.x/buildroot/share/PlatformIO/scripts/generic_create_variant.py>