|  |
| --- |
| *while (1)* *{* *// Check for firmware update command* *if (CheckForUpdateCommand())*  *{* *// Erase old firmware from memory* *EraseFirmware();* *// Receive new firmware over UART* *ReceiveFirmwareOverUART();* *// Verify the firmware*  *if (VerifyFirmware()) {* *// If firmware is verified, jump to new firmware* *JumpToNewFirmware();* *} else {* *// If firmware is not verified, stay in the bootloader* *SendErrorOverUART("Firmware verification failed");* *}* *}**}* |

Pseudo Code 2: Firmware update