

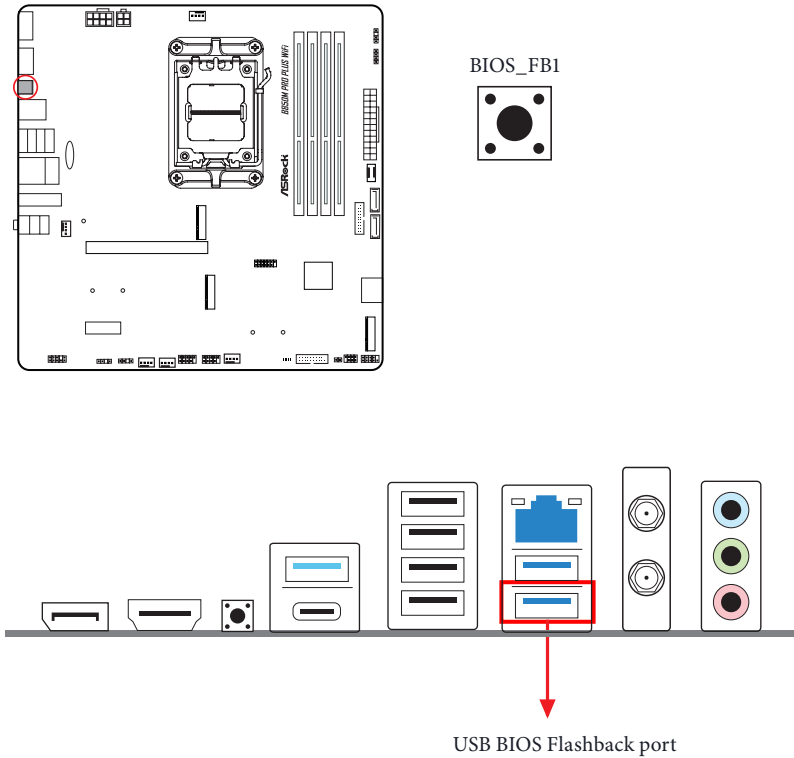
## Smart Button

The motherboard has a smart button: BIOS Flashback Button, allowing users to flash the BIOS.

### BIOS Flashback Button

(BIOS\_FB1)

BIOS Flashback Button allows users to flash the BIOS.



This motherboard is equipped with AMD USB BIOS Flashback feature that allows you to update BIOS without powering on the system.



*Before using the BIOS Flashback function, please suspend BitLocker and any encryption or security relying on the TPM. Make sure that you have already stored and backup-ed the recovery key. If the recovery key is missing while encryption is active, the data will stay encrypted and the system will not boot into the operating system. It is recommended to disable fTPM before updating the BIOS. Otherwise an unpredictable failure may occur.*

### USB Drive Requirements

The USB drive that is used for the BIOS update feature should meet the following requirements:

- USB 2.0 only
- Capacity up to 32GB
- Must be formatted as FAT16 or FAT32.

### Root Directory Files

In the root directory there are two required files:

- BIOSUBU.BIN (required)
- PSPBIOS.IMG (required)

To use the USB BIOS Flashback function, please follow the steps below.

1. Download the latest BIOS file and BIOSUBU.BIN file from ASRock's website:  
<http://www.asrock.com>.
2. Copy the BIOS file to your USB flash drive. Please make sure the file system of your USB flash drive must be formatted as FAT16 or FAT32.
3. Extract BIOS file from the zip file.
4. Rename the file to "**PSPBIOS.IMG**". Save it and BIOSUBU.BIN file to the root directory of X: USB flash drive.
5. Install the CPU, CPU fan and DRAM on the motherboard. It is recommended to install the CPU fan to CPU\_FAN1 connector. Plug the 8-pin ATX 12V power connector and 24-pin ATX power connector to the motherboard. Then turn on the power supply's AC switch.  
\*There is no need to power on the system.
6. Unplug all devices from the USB ports except for the USB BIOS Flashback port. Then plug your USB drive to the USB BIOS Flashback port.
7. Press and hold the BIOS Flashback Switch, and then press the Power Button once.  
Wait approximately two seconds before releasing the BIOS Flashback Switch.  
The system will start the BIOS flashing process automatically.
8. The flashing process takes around 2 and a half minutes. Once the BIOS flashing is complete, the system will restart and enter the BIOS.

\*If the system does not reboot automatically after more than five minutes, the BIOS flashing process may not be functioning properly. Please turn off the power supply's AC switch to disconnect power for several minutes, and turn it back on and try again.