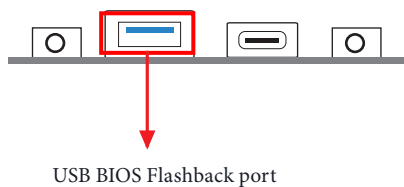


Smart Button

The system has a smart button: BIOS Flashback Button (Power Button), allowing 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>. Please download the BIOSUBU.BIN file based on the CPU installed.
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 a 19V power adapter to the DC jack on the back panel of this motherboard.
*There is no need to power on the system. To initiate UBU, the adapter must be connected for the first time and the system has never been powered on. Then press and hold the power button for about five seconds to launch UBU.
6. Then plug your USB drive to the USB BIOS Flashback port.
7. Press the Power Button for about five seconds. Then the system starts BIOS flashing automatically and the LED starts to blink.
8. Wait until the LED stops blinking, indicating that BIOS flashing has been completed. This takes around 2 and a half minutes. Then the system restarts and enter BIOS.

*If the LED light turns solid green, this means that the BIOS Flashback is not operating properly. Please turn off the power supply's AC switch to disconnect power for several minutes, and turn it on again.

**If the LED does not light up at all, this means that the BIOS Flashback does not work. Please turn off the power supply's AC switch to disconnect power for several minutes, and turn it on again.