



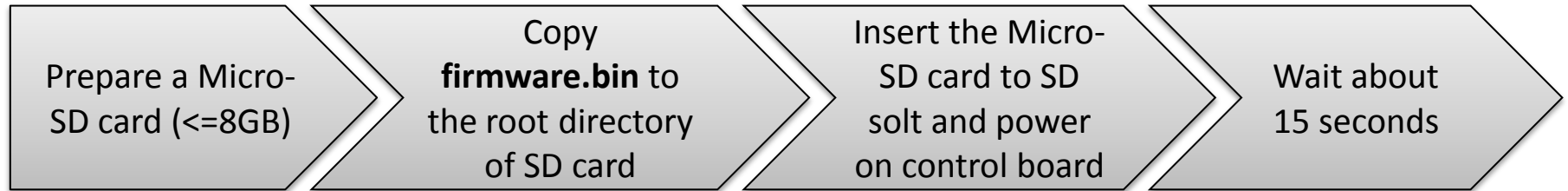
Upgrading firmware from SD card operation guide

for ZM3E2 / ZM3E4 Control board

Ver: 1.0

Firmware upgrade operation manual

ZONESTAR ZM3E2 / ZM3E4 control board adopts STMicroelectronics 32-bit MCU. The control board comes with upgrade code before leaving the factory, and the firmware is burned with SD card, which is convenient for users to upgrade.



Step1: Prepare a Micro SD card, insert the SD card into the reader and format it into FAT format, **the capacity of SD card can't greater than 8GB.**

Step2: Firmware filename must be **firmware.bin**, and It is should be stored in the root directory of the Micro-SD card.

Step3: Insert this SD card into the card slot of control board, power on the control board, it will upgrade the firmware to the control board automaticlly.

For ZM3E2, When upgrading, the upgrade indicator LED (near to EXP1 socket) will keep flashing rapidly, elapsed time is about 15 seconds.

For ZM3E4, When supplied power from DC-IN, HE1 LED will flash quickly. If only support power from USB, the indicator LED will not flash, but upgrading process worked too, elapsed time is about 15 seconds.

Step4:After upgraded, the **firmware.bin** will be renamed to **old_fw.bin** to prevent the firmware being upgraded again.

