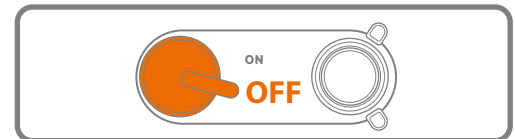




Please do not **TURN OFF** power or **REMOVE SD** card when camera is updating firmware as that will damage the camera!

Before doing firmware upgrade process, please follow below steps and unzip the firmware upgrade package, and make sure your Brinno Camera app is up to date.

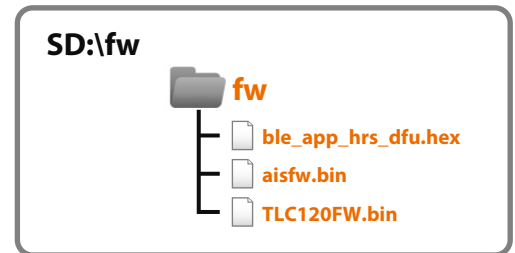
Step 1 Ensure your Time Lapse Camera is powered down and remove SD card from the camera. Then insert the SD card into your computer.



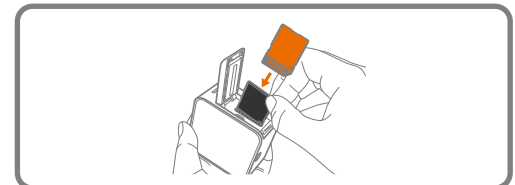
Step 2 Create one **fw** folder under SD:\ root folder, the copy **TLC120 firmware** into **SD:\fw** folder in the SD card.

Firmware files naming as following:

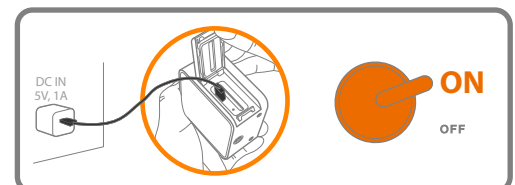
- BLE Firmware : **ble_app_hrs_dfu.hex**
- WiFi Firmware : **aisfw.bin**
- Camera Firmware : **TLC120FW.bin**



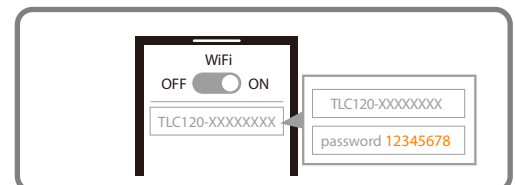
Step 3 Insert the SD card into the Time Lapse Camera.



Step 4 Plug the Time Lapse Camera into a DC power socket through a Micro USB cable, then turn on camera power. The Orange LED blinks several seconds, then turns to Green LED.



Step 5 Go to phone Settings, change Wi-Fi to Brinno TLC120 Wi-Fi signal.

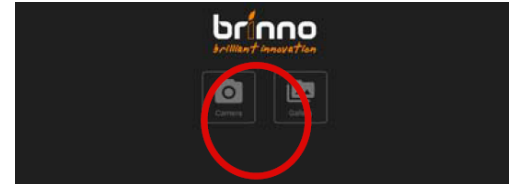


Step 6 Run **Brinno Camera** app on your smart phone or tablet.

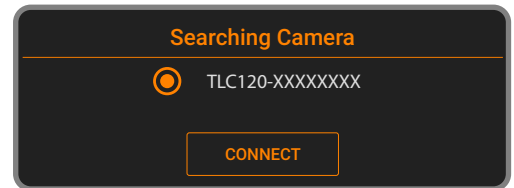




Firmware Upgrade Procedure

Step 7 Tap **Camera** icon in app

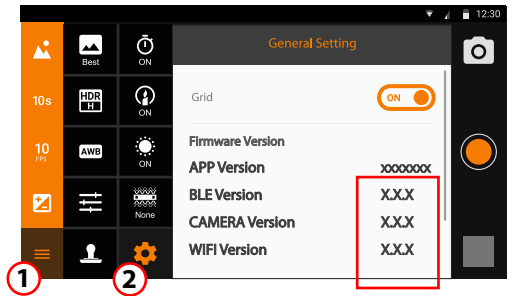


Step 8 Select Camera ID and tap Connect, while connected the Blue LED will turn on.

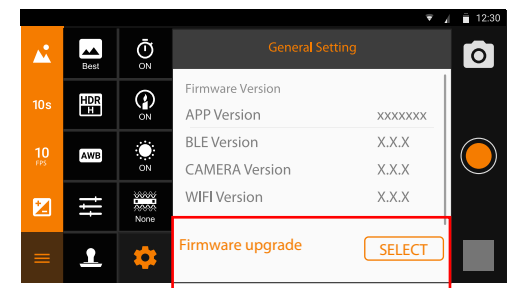


Step 9 At preview screen, tap  icon go to menu setting, then tap  icon go to general setting, scroll down to check **Firmware Version**

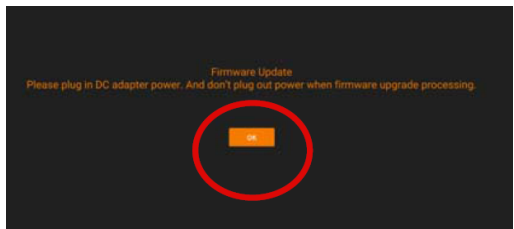
**** If your camera Firmware Version is the latest, don't need to upgrade.**



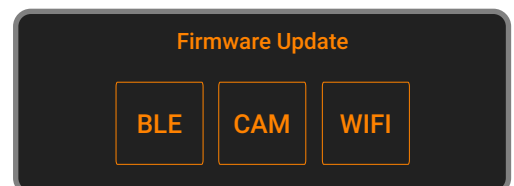
Step 10 Find **Firmware Upgrade** option, tap **SELECT** icon



Step 11 Upgrade notice will display, tap OK to confirm.



Step 12 Go to Firmware Update screen, you will find three options:
BLE: Bluetooth firmware
Cam: Camera firmware
Wifi: WiFi firmware
Depends on different needs select related options.



Firmware Upgrade Procedure

Time Lapse Camera TLC120

version EN B1

Step 13 WiFi firmware update: Tap **WiFi** icon.

**** While updating, the RED led & BLUE led will blink for several seconds.**

Step 14 Firmware update successful, you will see the message, then tap Quit to restart app.

Step 15 You can repeat step 10 - 14 to upgrade other firmwares

Done Check firmware version to ensure the upgrade procedure is completed.

