Firmware Upgrade Procedure

Time Lapse Camera **TLC2020 / TLC2000**   version EN A5

• Prepare items

Power Adapter   ***microSD Card**

TLC2020 / TLC2000   **USB-C Cable**   **New Batteries**
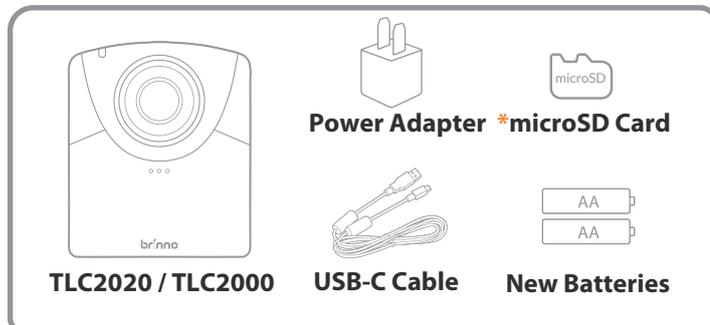
*We recommend that the microSD card that came with the camera be used for all firmware updates. If you are using a new SD card that is over 32GB it will need to be formatted by your camera before it can be used. To format a new SD card, insert the card into your camera and follow the formatting prompts on the LCD screen before you start the firmware upgrade process.

• Copy FW file to microSD card

⚠️ **MUST DOWNLOAD FIRMWARE WITH WINDOWS ONLY (NOT COMPATIBLE WITH MAC)**

1. Power off the camera.
2. Install fully-charged batteries.
3. Take out microSD card and insert it to PC (Windows).
4. Download firmware zip file from:
    www.brinno.com/support/support-center/TLC2020
5. Right click zip file and click <extract all> to access firmware file.
6. Open folder and ONLY copy the TLC2K_C.RCF file to microSD card in the 100TLC2K folder(**F:DCIM/100TLC2K**). The 100TLC2K folder can be accessed through the DCIM folder.
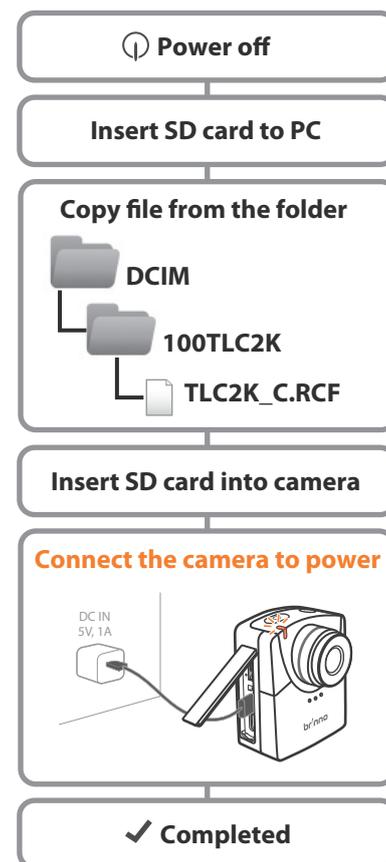
• Start FW upgrade

7. Insert the microSD card into the camera.
8. Connect the camera to external power using the USB-C cable.

⚠️ **PLUG CAMERA INTO EXTERNAL POWER AND INSTALL NEW BATTERIES TO AVOID IRREPARABLE DAMAGE TO YOUR DEVICE**

9. Camera will automatically turn on and upgrade firmware. The LED indicator will flash orange while firmware is upgrading.
10. When the upgrade is completed the camera will beep twice and restart automatically. The LCD screen will turn on when the upgrade is finished.

Power off

Insert SD card to PC

Copy file from the folder
DCIM
100TLC2K
TLC2K_C.RCF

Insert SD card into camera

Connect the camera to power
DC IN
5V, 1A

✓ **Completed**

• Note:

1. The firmware upgrade process is expected to be less than 10 minutes.
2. If the Orange LED flashes longer than 10 minutes, it means the upgrade was not successful. Follow the below steps:
   a. Disconnect the external power and remove the batteries from the camera.
   b. Format the microSD card on PC (Windows) one more time.
   c. Copy firmware file (TLC2K_C.RCF) to (TLC2K_C.RCF) into the microSD card （F:\DCIM\100TLC2K).
   d. Make sure you follow the instructions closely. Please write to our Customer Service if you have further questions.