
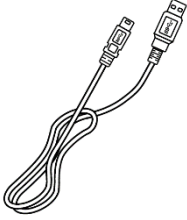



# MS-10\_MS-10S Firmware(FW) Update Manual

## 1. Tools

Power adapter / Power Cord	USB 3.0 cable (type B to A)	Windows PC / Laptop
		 Or

### Firmware Update Sequence Requirement

The firmware must be updated in the following sequence: **Audio**→**Video**

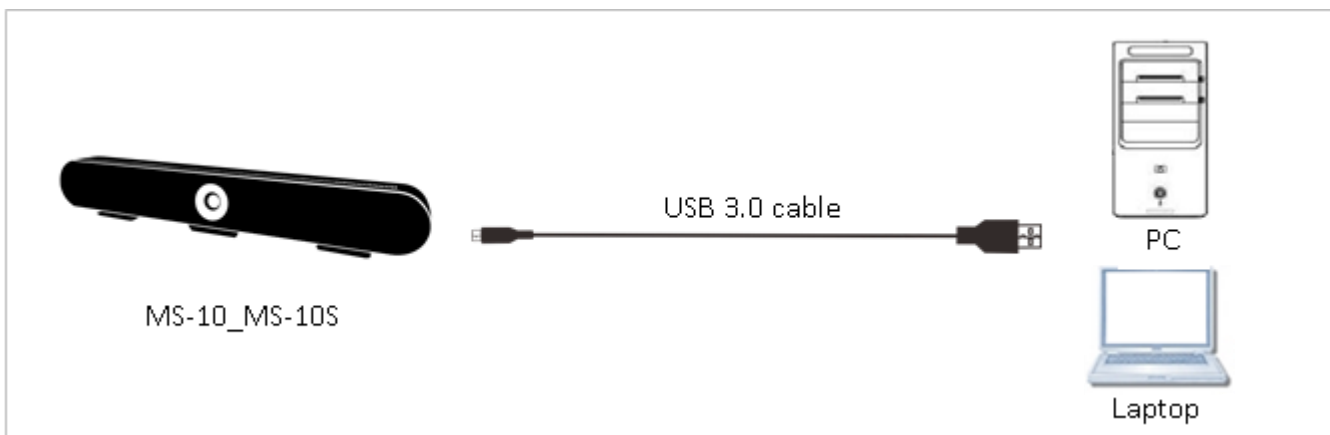
Failure to follow this prescribed order may result in system instability or malfunction including:

- Device becoming unresponsive or inoperable
- Microphone functionality failure
- Loss of video output

To ensure proper system operation, please strictly adhere to the update sequence above

## 2. FW Update - Audio

2.1 Connect the MS-10\_MS-10S to PC/Laptop. (Except power cable)

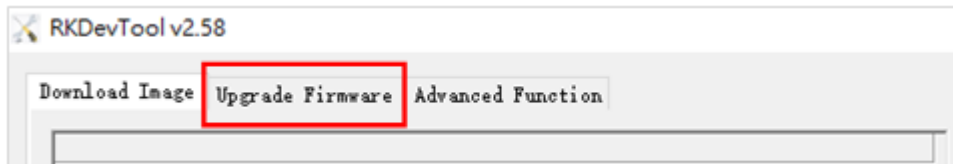


2.2 Put the download files on the desktop

2.3 Open [Audio Update] > [Update tools] > [DriverAssitant\_v4.8], launch [DriverInstall] and select [Install Driver].



2.4 Open [Audio Update] > [Update tools] > [AndroidTool] > [AndroidTool\_Release], launch [AndroidTool] FW update tool and press [Upgrade Firmware].



2.5 Enable the audio FW update mode.

- (1) Use a needle or pin to press and hold the [Service button] behind MS-10
- (2) Plug in the power cable.

※Please DO NOT remove the needle or pin until the application detects the device.



MS-10 Service button position

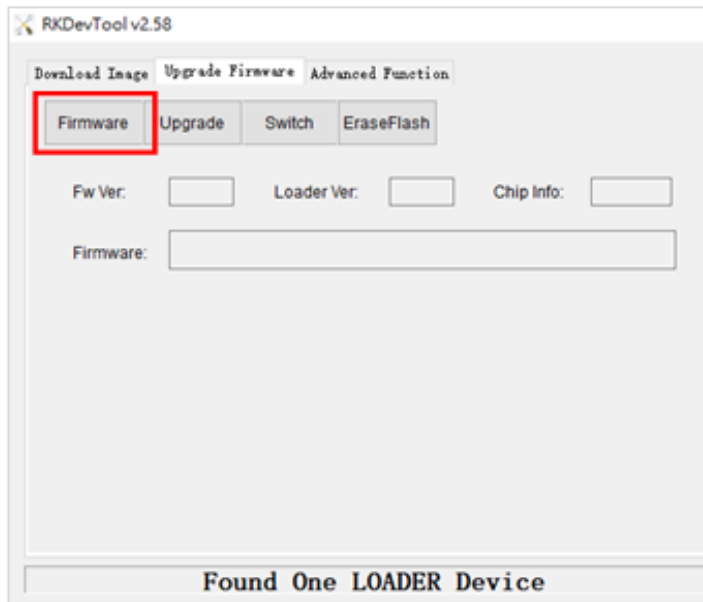


MS-10S Service button position

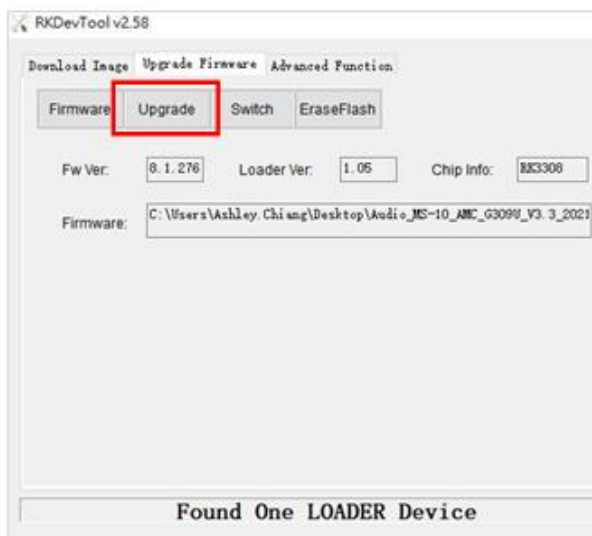
(3) When [Found One LOADER Device] shows out, you can release the needle or pin.



2.6 Press [Firmware] to select the FW file.

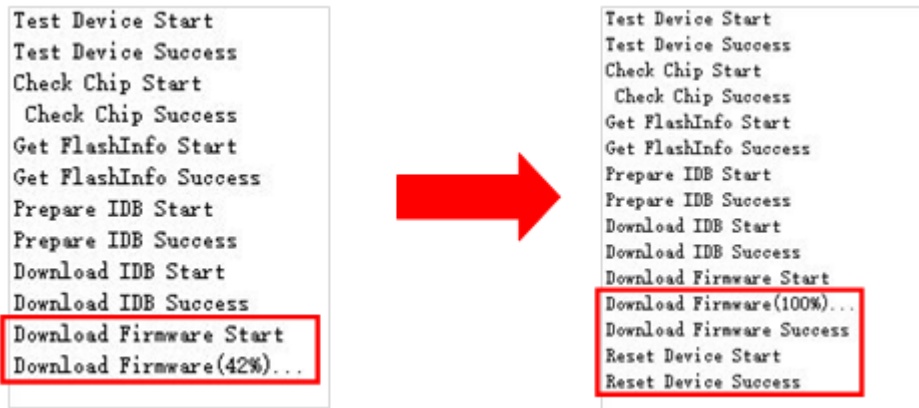


2.7 Press [Upgrade] to start the process



## 2.8 FW Update successfully. (Around 10sec - 15sec taken)

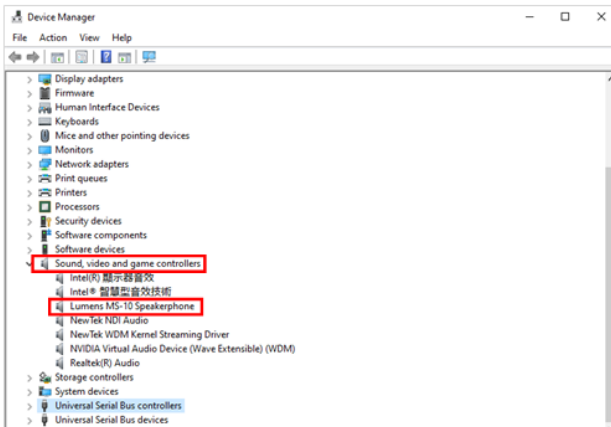
- The unit will reset after finish upgrading.



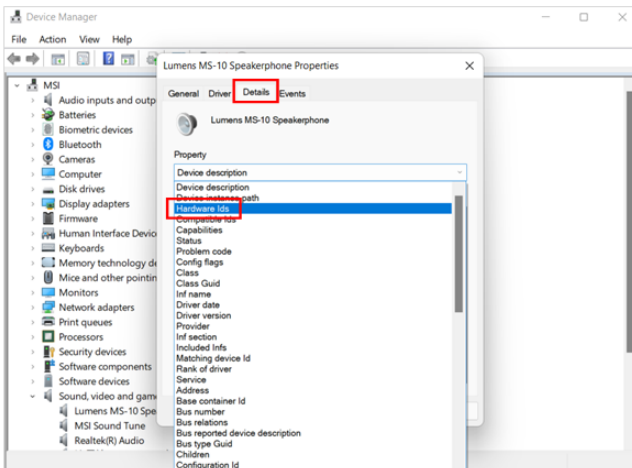
\*\*To check the audio firmware version on the **MS-10S**, please refer to Section 3.6 and use the remote control to open the OSD menu for verification.

For the method to check the audio firmware version on the **MS-10**, please refer to Sections 2.9 to 2.11. \*\*

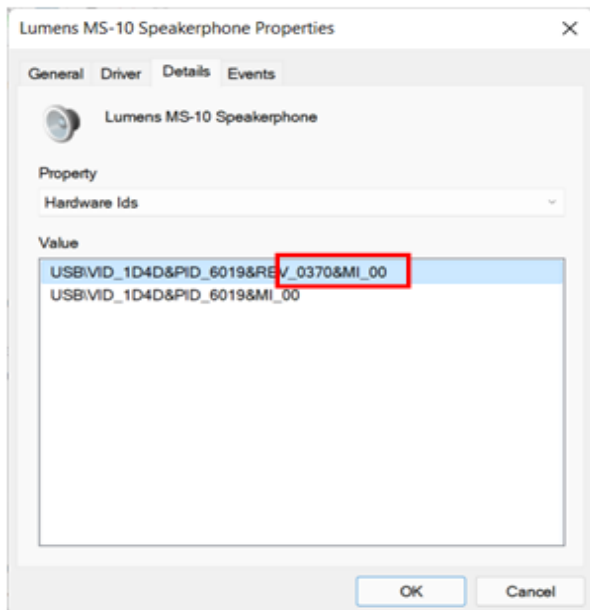
## 2.9 Open [Device Manager] in the computer, click [Sound, video and game controllers]> [Lumens MS-10 Speakerphone].



## 2.10 Press [Details] and select [Property] > [Hardware Ids].

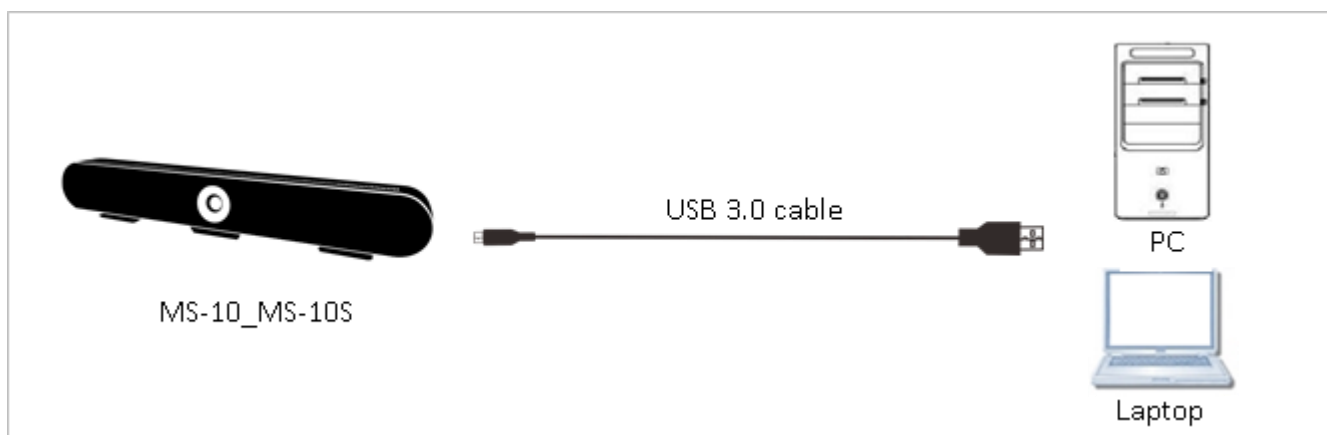


## 2.11 Check the audio FW version.



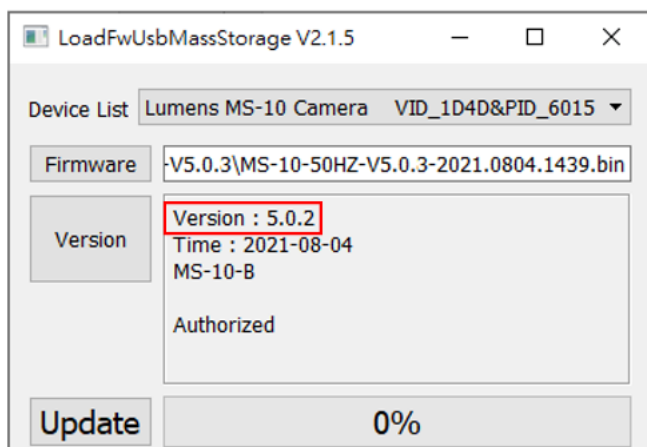
## 3. FW Update - Video

### 3.1 Connect the MS-10\_MS-10S to PC/Laptop.

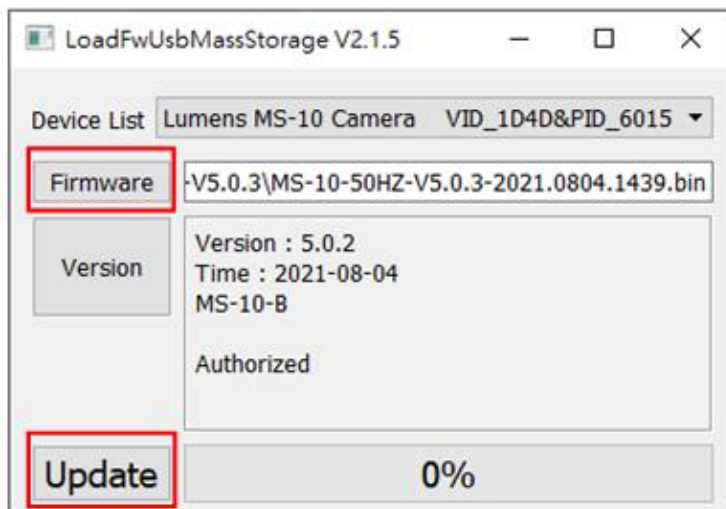


### 3.2 Open [Video Update] > [UpdateTool\_V2.1.5], launch [LoadFwUsbMassStorage\_2.1.5] FW update tool.

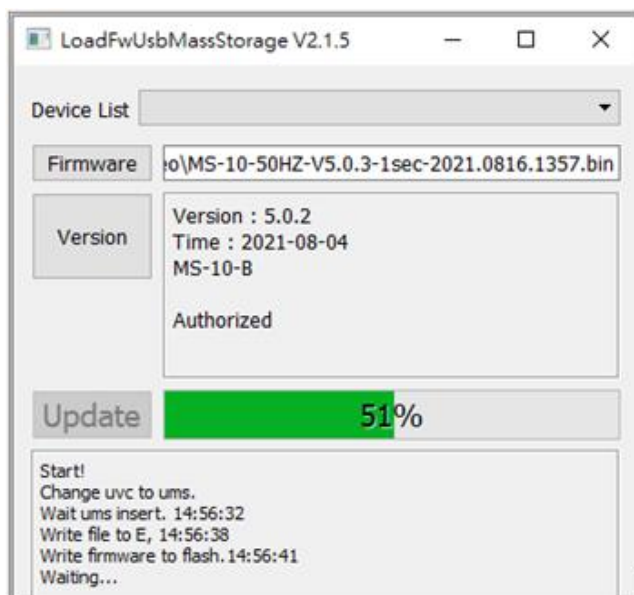
- It will auto-detect the firmware version of the unit and show on the "Version".



### 3.3 Press [Firmware] to select the FW file.

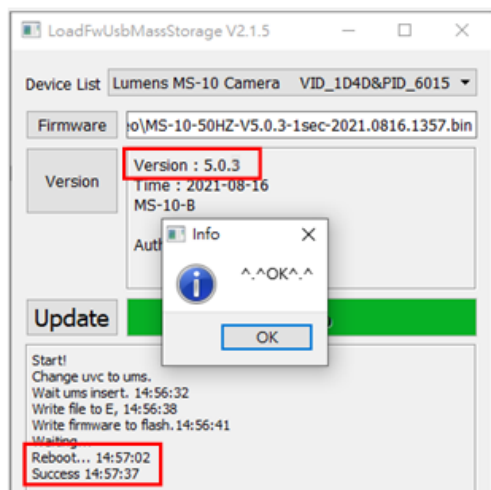


### 3.4 FW updating. (Around 30sec - 1 mins taken)

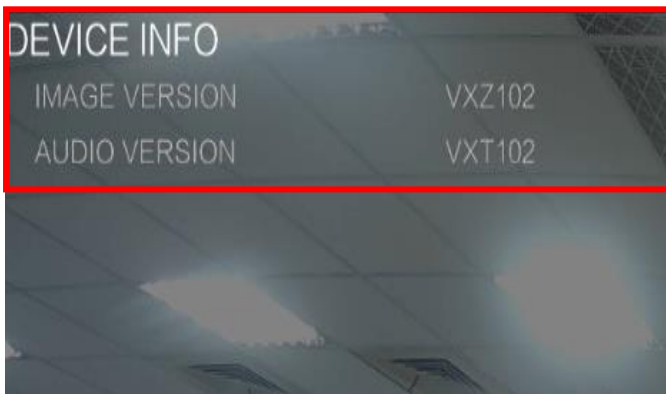
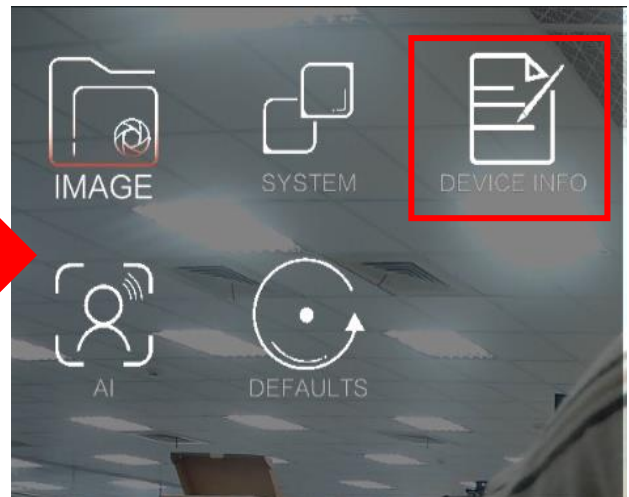
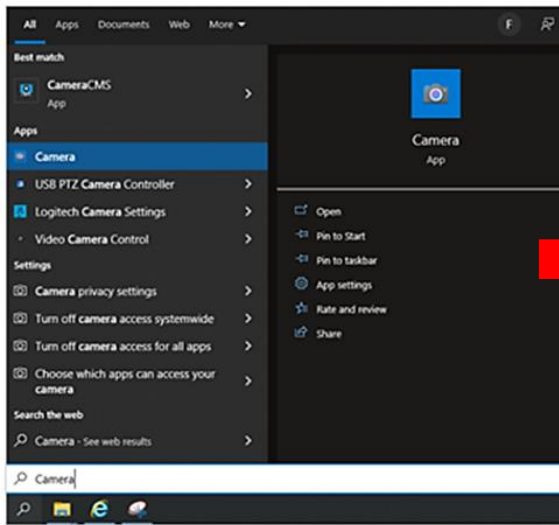


### 3.5 FW Update successfully.

- MS-10 will reboot and [Success] will display on the tool.
- The new FW version will also show on the “Version”.



3.6 Open [Camera] app in the computer, press [Setting Menu] button on the remote control and select [Device Info] page to check the video FW version.



On the MS-10, only the image firmware version is displayed in Device Info.