
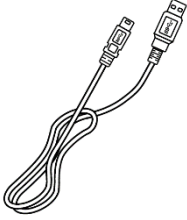




MS-10_MS-10S Firmware(FW) Update Manual

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**

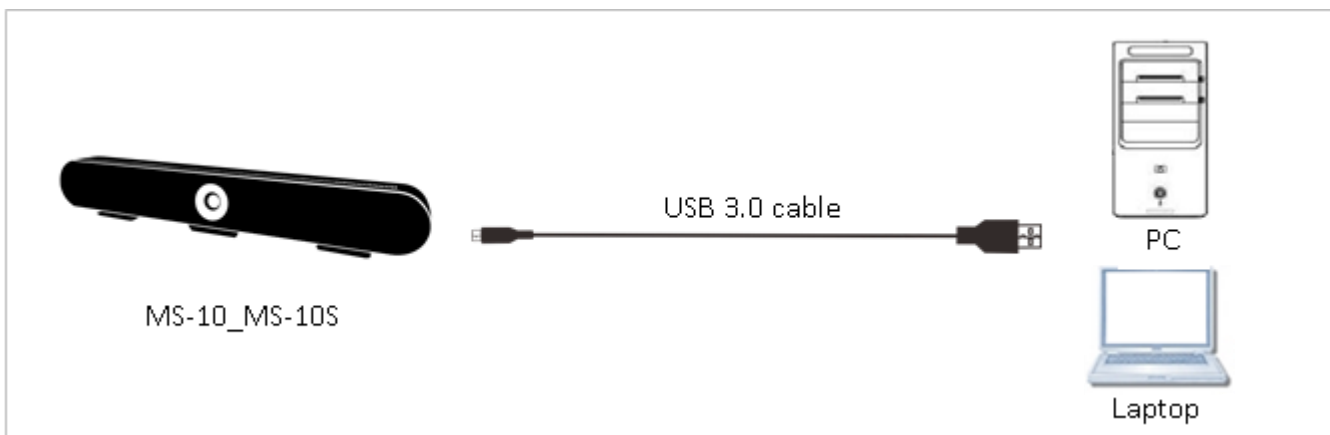
Failure to follow this prescribed order may result in system instability or malfunction including:

- 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.

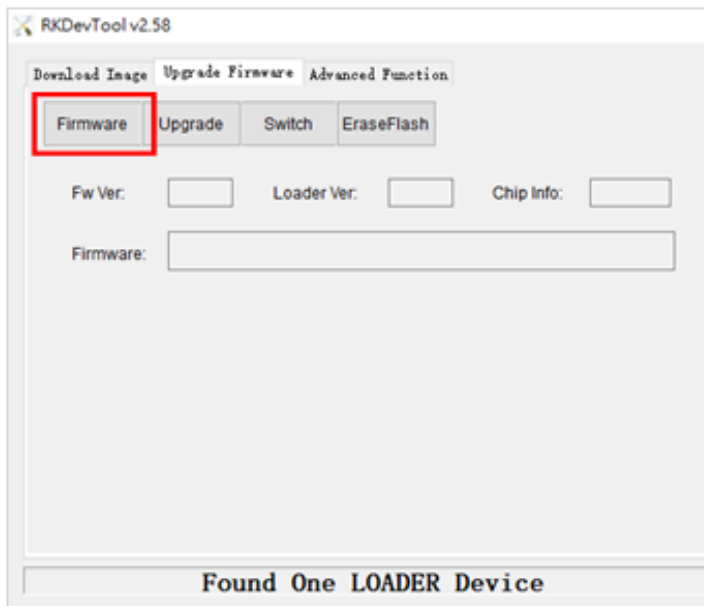
※Please DO NOT remove the needle or pin until the application detects the device.



(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)

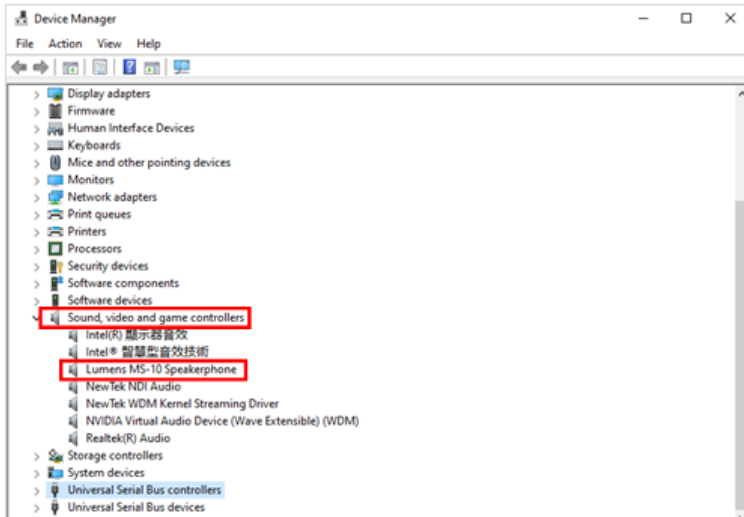
- The unit will reset after finish upgrading.

```
Test Device Start
Test Device Success
Check Chip Start
  Check Chip Success
Get FlashInfo Start
Get FlashInfo Success
Prepare IDB Start
Prepare IDB Success
Download IDB Start
Download IDB Success
Download Firmware Start
Download Firmware(42%)...
```

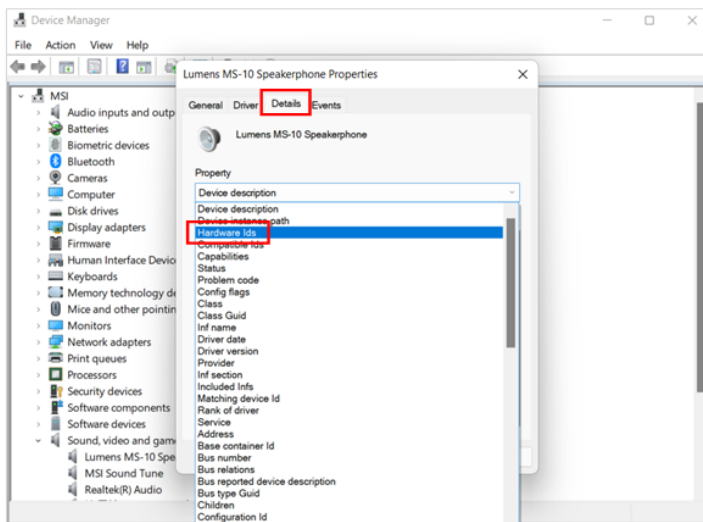


```
Test Device Start
Test Device Success
Check Chip Start
  Check Chip Success
Get FlashInfo Start
Get FlashInfo Success
Prepare IDB Start
Prepare IDB Success
Download IDB Start
Download IDB Success
Download Firmware Start
Download Firmware(100%)...
Download Firmware Success
Reset Device Start
Reset Device Success
```

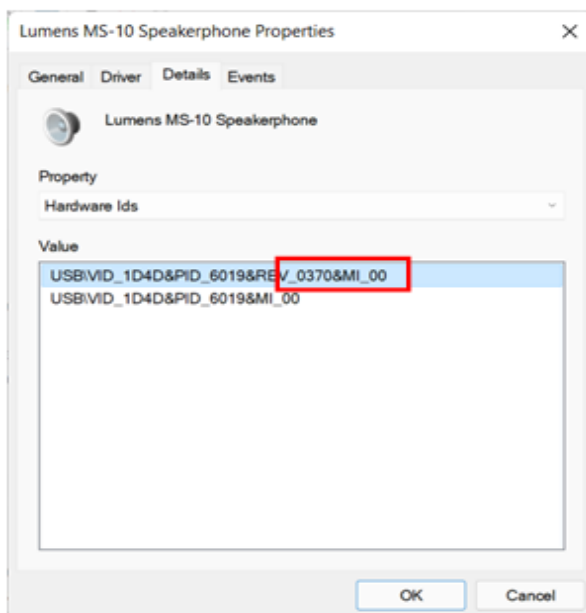
2.9 Open [Device Manager] in the computer, click [Sound, video and game controllers]> [Lumens MS-10 Speakerphone].



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

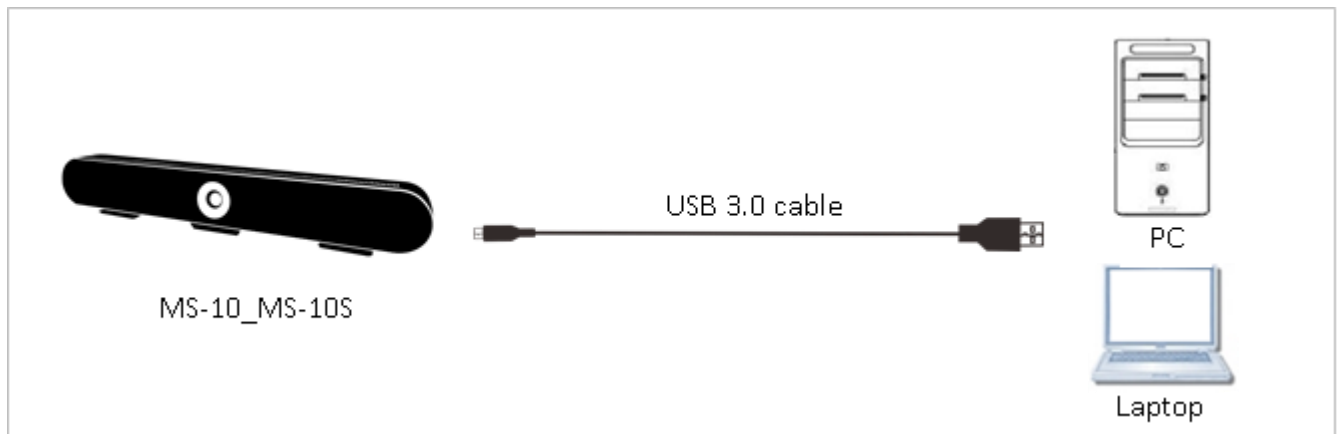


2.11 Check the audio FW version.



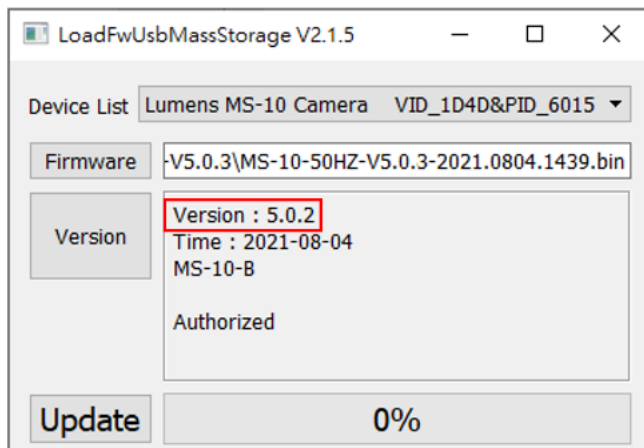
3. FW Update - Video

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

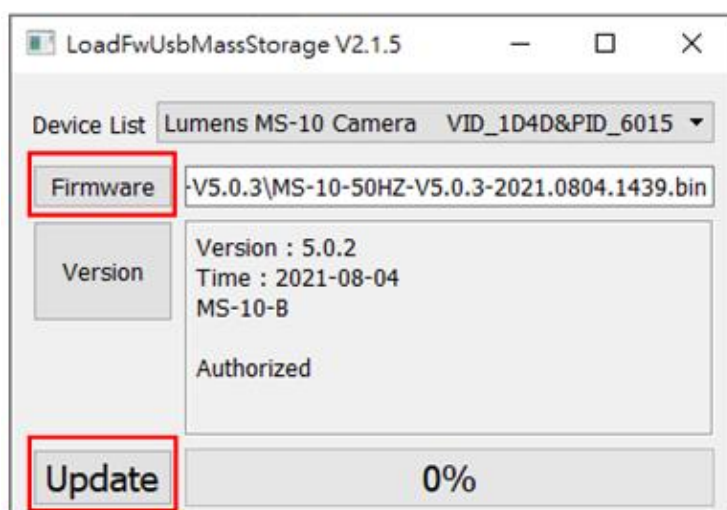


3.2 Open [Video Update] > [UpdateTool_V2.1.5], launch [LoadFwUsbMassStorage_2.1.5] FW update tool.

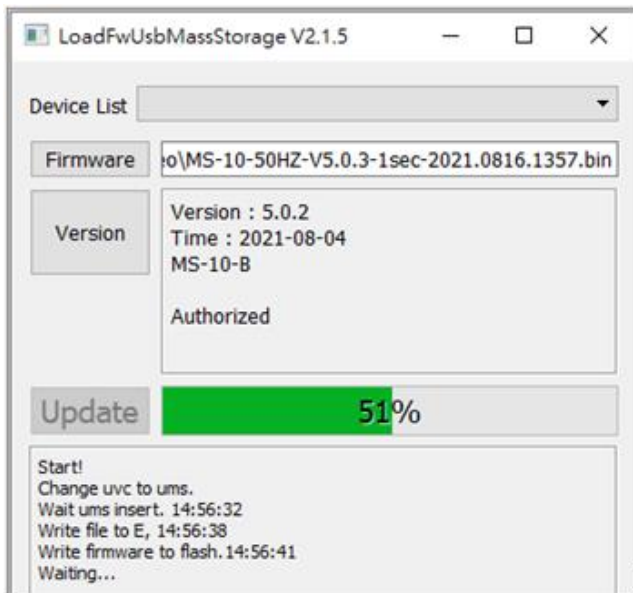
- It will auto-detect the firmware version of the unit and show on the “Version”.



3.3 Press [Firmware] to select the FW file.

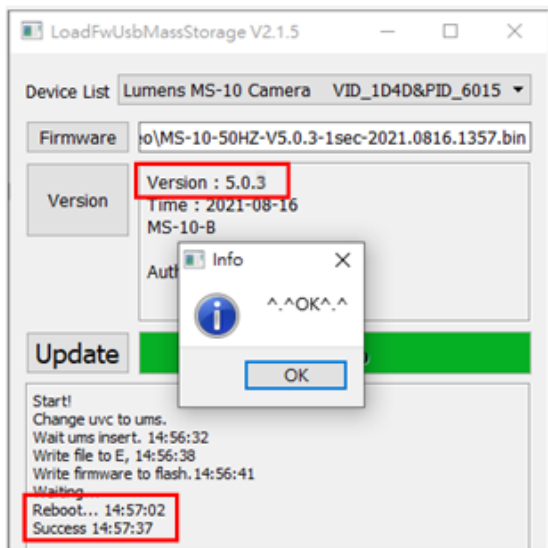


3.4 FW updating. (Around 30sec - 1 mins taken)



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.

