



HIKMICRO AD Series
Acoustic Leak Detector (V5.5.128)
Release Notes

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1 Introduction

The acoustic leak detector is a high-performance device designed for technicians and plumbers to find leaks in plumbing, water service, and residential or commercial properties. The device supports 4 levels of frequency range and sound amplification to help you locate the leakage points accurately. With its handheld and pick-up sensors, the device can be used to find hidden leaks in more diverse scenarios.

This document introduces new features and optimizations in V5.5.128 of AD series detectors.

For detailed operation guide, please refer to the user manual of AD series acoustic leak detector, V5.5.128.

1.1 Version Information

Item	Description
Models	HM-AP21-AD21S, HM-AP21-AD21P
Firmware	V5.5.128 build 250623

1.2 How to update to new version

1.2.1 Upgrade with an upgrade file

Upgrade the firmware via an upgrade file.



- Please download the upgrade file from the official website <http://www.hikmicrotech.com> or contact the customer service and technical support to get the upgrade file first.
- Make sure that the device battery is fully charged.
- Make sure that Auto Power-off function is turned-off to avoid accidental suspension during upgrading.

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1. Connect the device to your PC with the supplied USB cable.
 2. (Optional) For some models, select USB drive mode in the pop-up window on device.
 3. Copy the upgrade file and paste it to the root directory of the device.
 4. Disconnect the device from your PC.

5. Reboot the device and then it will upgrade automatically. The upgrading process will be displayed in the main interface.



After upgrading, the device reboots automatically. You can view the current version in **Settings > Device Settings > Device Information**.

2 New Features

2.1 Hearing Protection Switch is available

Hearing protection is a function to protect user's ear from damage when high-pitched noises occur in the environment. When hearing protection is triggered, the device cuts off audio.

Users can manually turn off this function to avoid abrupt audio interruption during detection.

Go to **Local Settings > Audio Settings > Hearing Protection**. Tap again to turn it off.

2.2 Volume Limits is Configurable

The device supports users configure volume limits for leak detection scenarios.

Go to **Local Settings > Audio Settings > Max. Volume**.

After adjustment, the audible volume and the upper limit displayed on the interface will change.



- Adjustable range for maximum volume: 120 to 400.
 - Default maximum volume: 120.
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3 Optimization

- Refined file name format: an underscore is added to separate date and time in the file name to make it easier to identify the capturing time. For example, *HM20250729_144142.jpeg*.
- Optimized the response and refresh speed of monitoring area display.
- Improved UI display: when SuperDetect is enabled, the color of both vol. after NR and the monitoring area turn to orange if a probable leak is recognized by the device.

4 FAQ on Upgrade

4.1 Why my PC failed to detect the camera as a USB drive?

Check the following items:

- Use a good quality type A to type C USB cable to connect your PC to your camera. The supplied cable is recommended. Normally, a cable should be able to charge a camera and transfer data.
- Keep the microSD card inserted and do not remove it during connection.
- Keep the camera powered on.

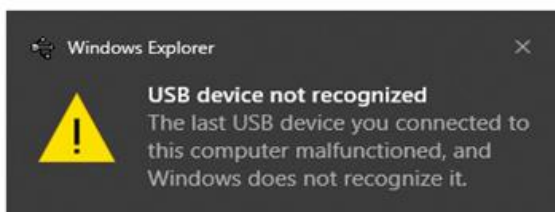
4.2 What should I do when my PC notifies power surge on the USB port?



Check the following items:

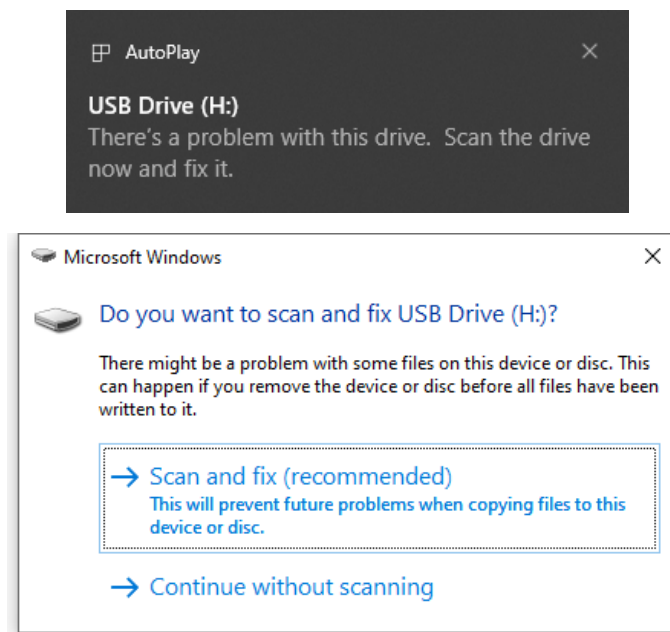
- When you are looking for an adapter of USB type C to USB type A, please choose an unpowered hub. A powered hub such as Surface Dock Station is not compatible.
- If you are using a built-in USB PowerShare in your PC, please try another port.

4.3 What should I do when my PC notifies USB device not recognized?



In most cases, it does not affect use. You can just ignore the prompt and find the detected USB drive in **This PC**. If the USB drive is not found, please try to Restore/Initialize the camera.

4.4 What should I do if my PC notifies the USB drive has a problem to be fixed?



Some Windows computers will scan a USB drive when it is connected, and show the error. Click scan and fix, Windows will confirm the drive is fine and connect to it. You can also skip scanning and find the detected USB drive in **This PC**, which does not affect use in most cases.

Legal Information


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About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the HIKMICRO website www.hikmicrotech.com.

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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