Milestone Systems

Milestone Husky™ X2 NVR BIOS upgrade Z970-005

Quick guide

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BIOS upgrade introduction

This document explains how to perform a BIOS upgrade on your Milestone Husky unit using the Z970-005 BIOS upgrade software released by Milestone. This BIOS upgrade applies to Milestone Husky X2.

> ⚠️ To upgrade, you need the Windows® administrator password and, if configured, the BIOS password. You cannot record video during the upgrade. Do not turn off your unit or unplug the power cord during the upgrade. If power is interrupted during the upgrade, the system will be damaged and the unit becomes unusable.

Determine the BIOS version

BIOS upgrade is a sensitive process. Make sure that the power plug is firmly plugged in before you start the upgrade.

To see the current BIOS version of your unit:

1. If your unit is powered off, turn it on.

2. On a running unit, click **Windows Start** and select **Restart**.
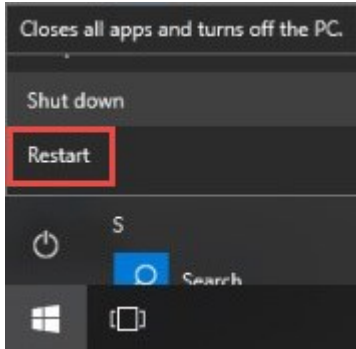
3. The first screen with a BIOS message appears. The current BIOS version is visible.

4. Press **Delete** or **Escape** on your keyboard to enter the BIOS setup. If required, fill in the password for BIOS access.

5. When you enter the BIOS setup utility, the current BIOS version is also visible in the **Main** window.
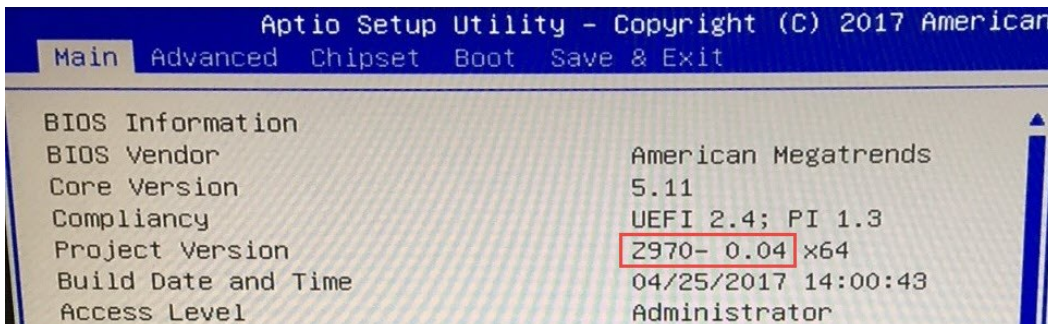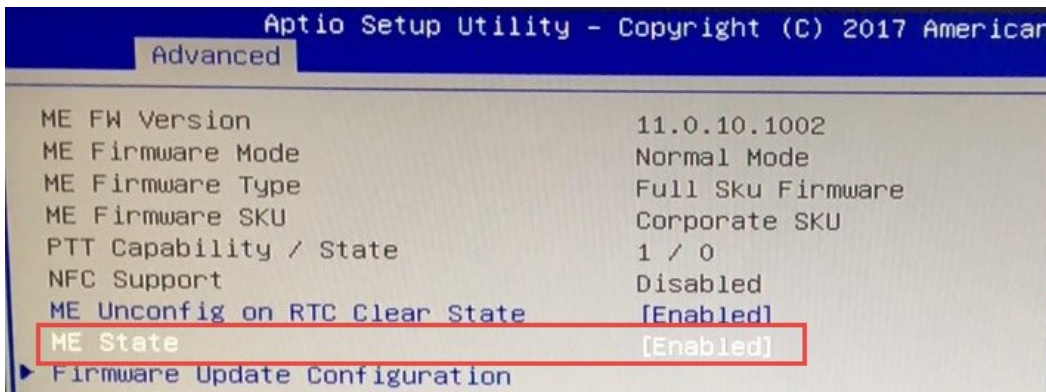
Prepare the BIOS settings for the upgrade
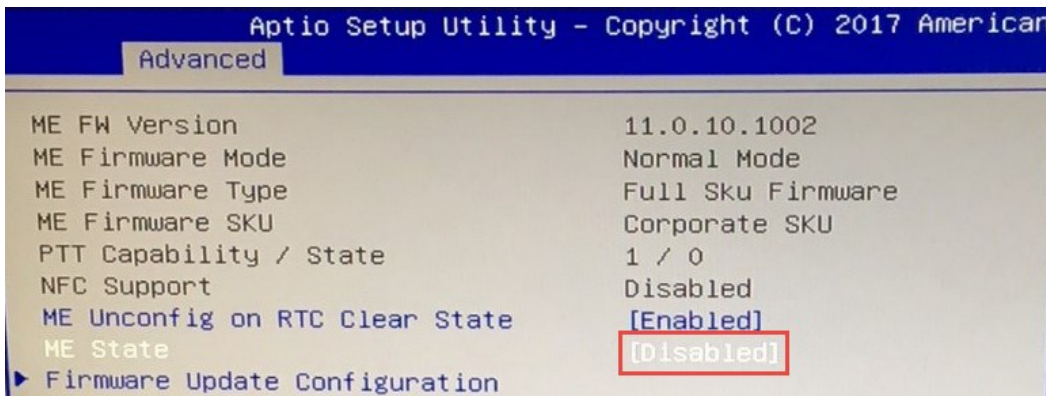
To make the BIOS settings ready for the upgrade:

1. Select **Advanced** in the BIOS menu.

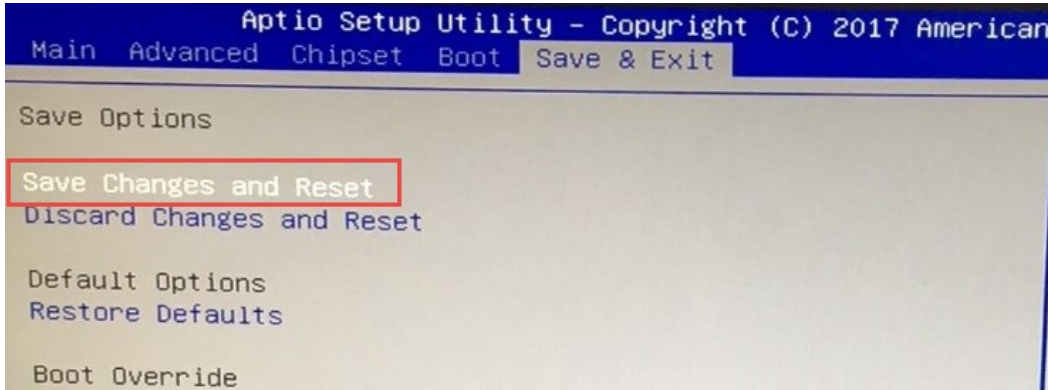2. Select **PCH-FW Configuration** and press **Enter**.
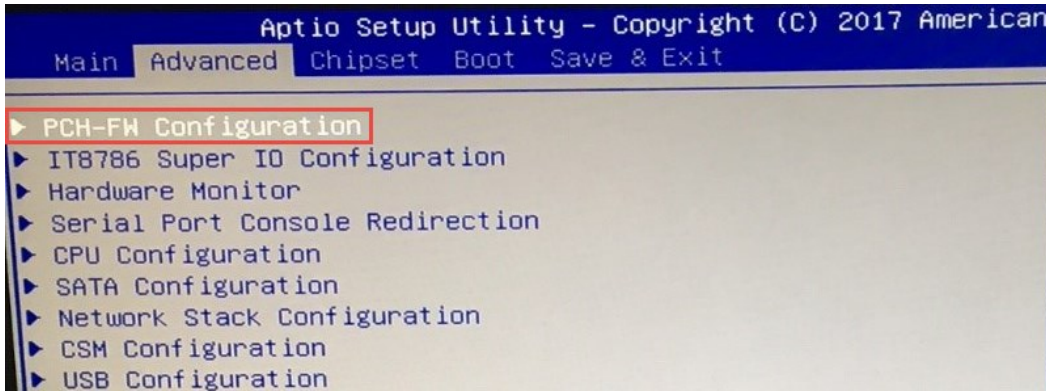
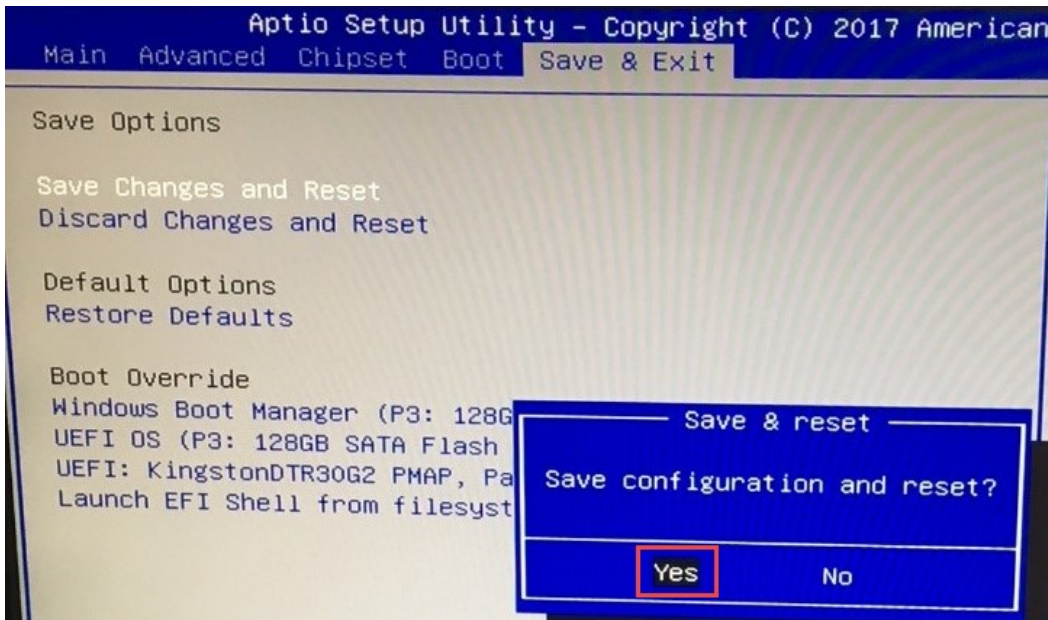3. Select **ME State** and press **Enter** to change the setting.

4. Change the setting to **Disabled**.

5. Navigate to **Save & Exit** in the BIOS menu and select **Save Changes and Reset**.

6. Press **Enter** and select **Yes** to save the configuration and reset.
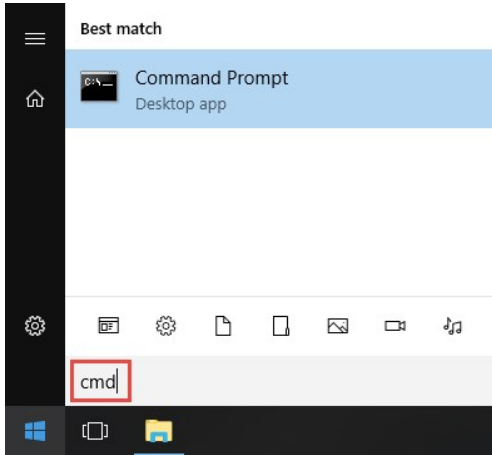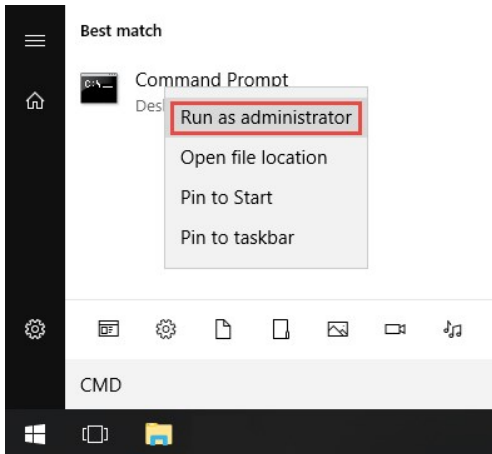

The unit restarts.

Upgrade the BIOS

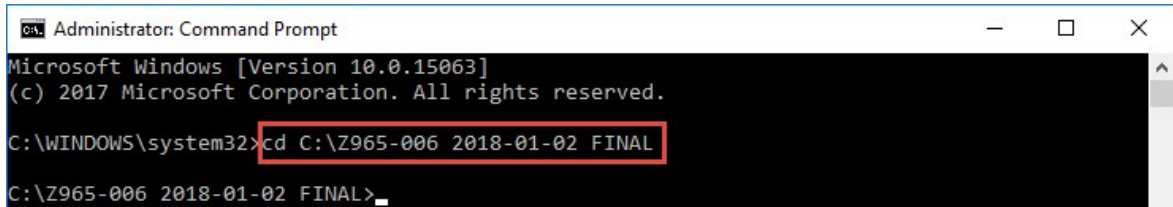✏️ Remember to save and extract the BIOS upgrade folder on your unit before you start the upgrade.

1. To start the BIOS upgrade process, click **Windows Start** and type **cmd** to open a Windows Command Prompt.

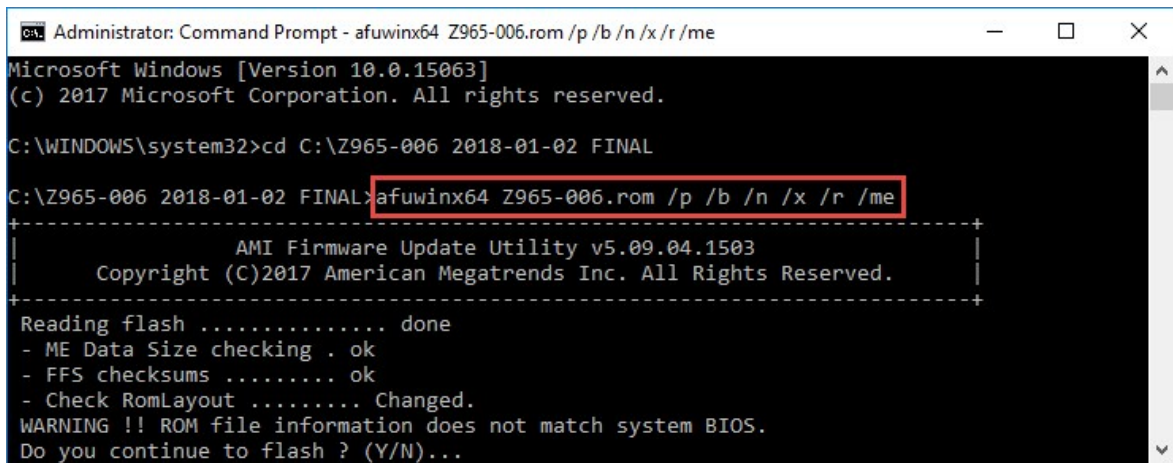2. Right-click **Command Prompt** and select **Run as administrator**.

3. Navigate to the folder where you have unpacked the **Z970-005** BIOS upgrade files by using the **cd** (change directory) command. In this guide, the example of the extracted BIOS upgrade file location and folder name is: **cd C:\Z965-006 2018-01-02 FINAL**. Replace the text in this example with your location and folder name and press **Enter**.
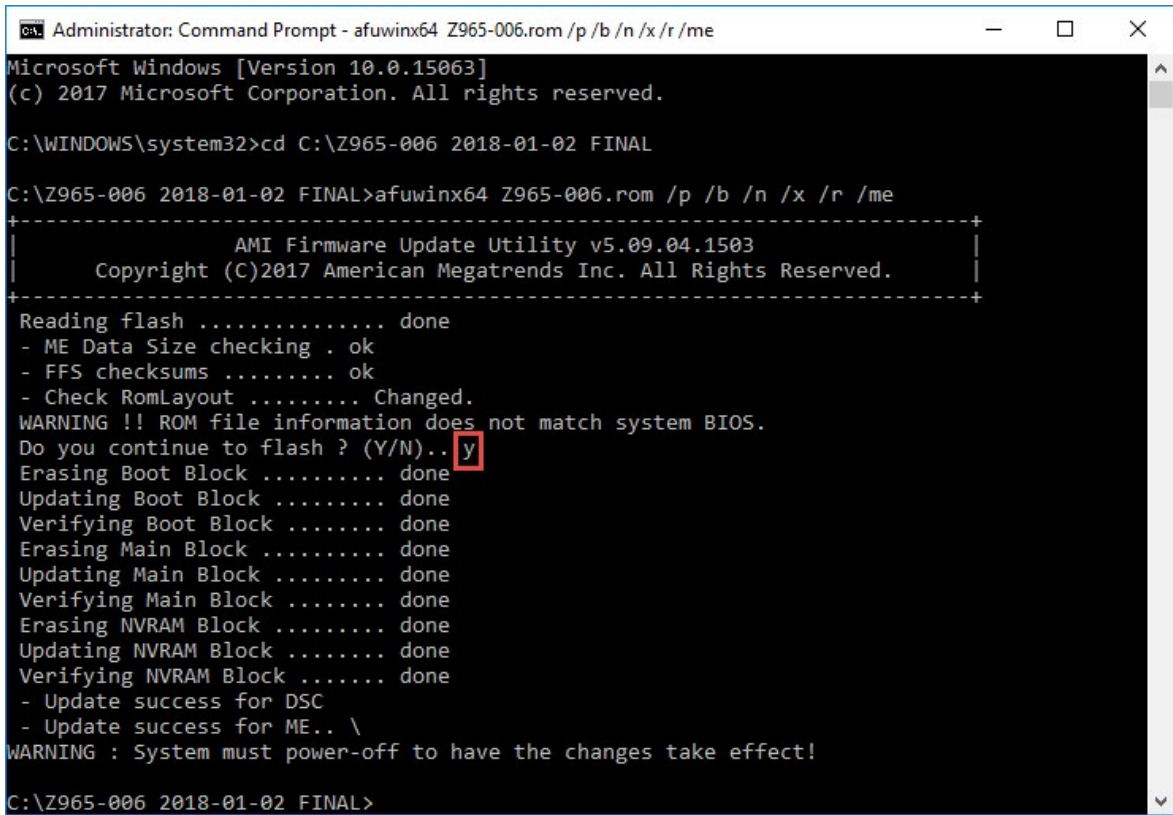
4. To run the upgrade utility, type **afuwinx64 Z970-005.rom /p /b /n /x /r /me** and press **Enter**.

> ⚠️ Do not power off your unit, unplug the power cord, or touch the mouse and keyboard during the upgrade. If power is interrupted during the upgrade, the system will be damaged and the unit becomes unusable.

5. If a warning appears, press **y** to start the BIOS upgrade process. The update process takes around two minutes. If the upgrade is successful, the Command Prompt messages match the messages seen below.
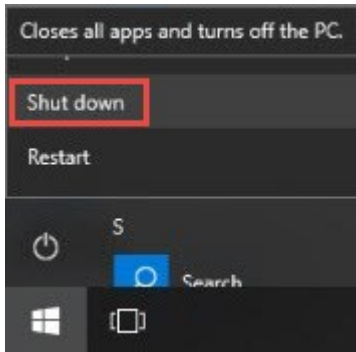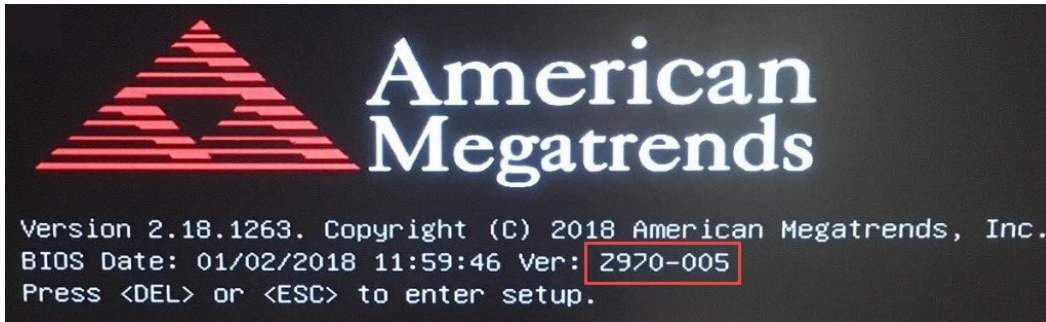

6. To power off your unit, click **Windows Start** and select **Shut down**.

Verify the BIOS version after upgrade

To verify that the BIOS version was successfully upgraded:

1. Unplug the power cord and wait for 30 seconds.

2. Plug in the power cord. The unit boots.

3. If the BIOS version is Z970-005, your unit has been successfully upgraded.

About Milestone

Milestone Systems is a leading provider of open platform video management software; technology that helps the world see how to ensure safety, protect assets and increase business efficiency. Milestone Systems enables an open platform community that drives collaboration and innovation in the development and use of network video technology, with reliable and scalable solutions that are proven in more than 150,000 sites worldwide. Founded in 1998, Milestone Systems is a stand-alone company in the Canon Group. For more information, visit https://www.milestonesys.com/.