



# **M-Vision Dashboard**

## **Motherboard Accessories**

User Guide

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# Introduction

The M-Vision Dashboard can be used to display system information, CPU temperature, fan speed, BIOS flash status and error message. You also can power on/ off the system and launch the MSI Center, YouTube, music APP, browser of the system by touching the M-Vision Dashboard. You can use MSI Center to configure and customize the M-Vision Dashboard Advanced mode and even upload a .gif .bmp .png .jpg or .mp4 animation file.

## Functions

- Power on, power off, and restart your computer
- CPU performance tuning
- Overclocking the CPU BCLK or CPU ratio
- Monitor system status
- Reset BIOS (Clear CMOS)
- Countdown Timer
- Turn on/ off applications, web browser and calculator.
- Pictures/ animations demonstration



### **Important**

- *The screenshots for the UI in this user guide are for reference only and the actual UI design may vary.*
- *All information is subject to change without prior notice.*

# Quick Start

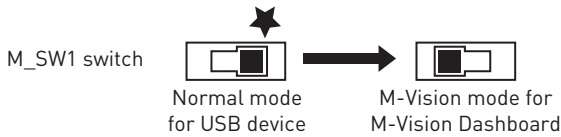
Please refer to the M-Vision Dashboard chapter of your motherboard manual for how to connect to the M-Vision Dashboard.



## Important

After proper installation, to start M-vision Dashboard be sure to:

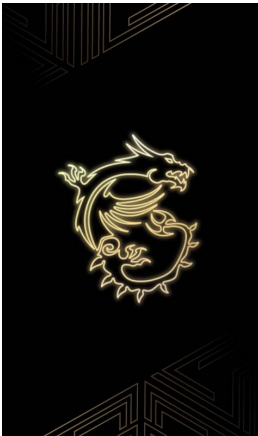
- Make sure the M-Vision Dashboard is connected to the M-Vision Dashboard Port on the back panel of the motherboard.
- Locate the M-Vision switch (M\_SW1) on the motherboard and switch it to the M-Vision mode.



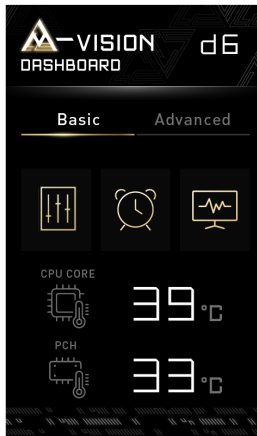
## Turning on the M-Vision Dashboard

To turn on the M-Vision Dashboard

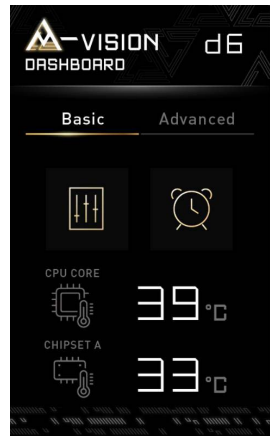
- Power up the motherboard
- Boot animation will be displayed after 10~15 seconds. You can use MSI Center to customize the music and choose whether to play it on startup.
- M-Vision Dashboard will enter Basic mode.



Boot animation



Intel Basic mode

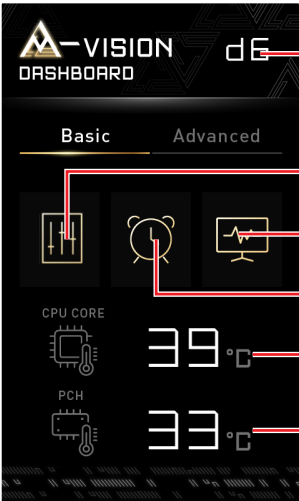


AMD Basic mode

# Basic mode and Advanced mode

M-Vision Dashboard is defaulted with Basic mode that can directly control the basic settings of the motherboard without an operating system. Another Advanced mode can be activated after installing MSI Center. The Advanced mode is used to control the functions and applications of the operating system.

## Basic mode (for Intel CPU)



**Debug Code** - It displays progress and error codes during POST and shows the CPU core temperature after start-up the system successfully. Please refer to the Debug Code LED table in the motherboard's user manual for details.

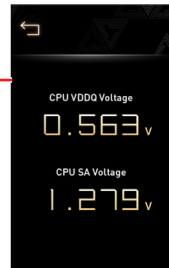
**Tuning Controller**

**CPU Voltage**

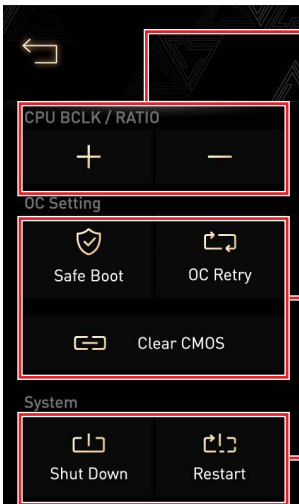
**Countdown Timer**

**CPU temperature**

**Chipset temperature**



## Tuning Controller (for Intel CPU)



**CPU BCLK / Ratio** - increase / decrease CPU base clock/ CPU ratio. Before using it, you must go to **BIOS > OC** menu and set **Dashboard OC Button Control** to **CPU BCLK** or **CPU Ratio**. Please note that the + / - buttons only work in the operating system, not in the BIOS. The CPU frequency can be checked with **CPU-Z** utility.

**Safe Boot** - When you can't boot successfully with a PCIe Gen4 adapter, tap it to down speed to PCIe Gen3.

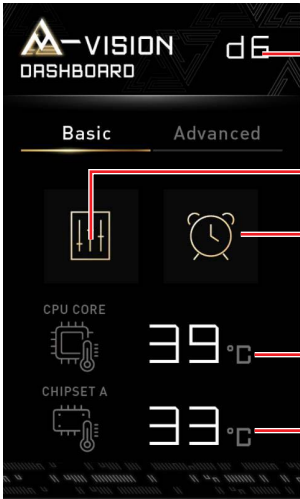
**OC Retry** - to retry overclocking DDR according to the **BIOS > OC > DDR** settings.

**Clear COMS** - After you tap it, a dialog screen will appear to confirm whether to clear CMOS.

**Shut Down** - to shut down the computer.

**Restart** - to restart the computer.

## Basic mode (for AMD CPU)



**Debug Code** - It displays progress and error codes during POST and shows the CPU core temperature after start-up the system successfully. Please refer to the Debug Code LED table in the motherboard's user manual for details.

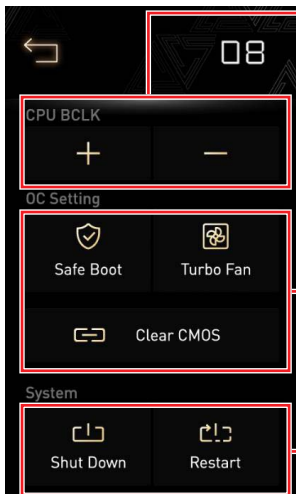
**Tuning Controller**

**Countdown Timer**

**CPU temperature**

**Chipset temperature**

## Tuning Controller (for AMD CPU)



**CPU BCLK** - increase / decrease CPU base clock. Before using it, you must go to **BIOS > OC** menu and set **eCLK Mode** to **eCLK1** and **Direct OC Button** to **Enabled**. Please note that the CPU BCLK + / - buttons only work in the operating system, not in the BIOS. The CPU frequency can be checked with **CPU-Z** utility.

**Safe Boot** - When you can't boot successfully with a PCIe Gen4 adapter, tap it to down speed to PCIe Gen3.

**Turbo Fan** - to run all connected fans at full speed.

**Clear COMS** - After you tap it, a dialog screen will appear to confirm whether to clear CMOS.

**Shut Down** - to shut down the computer.

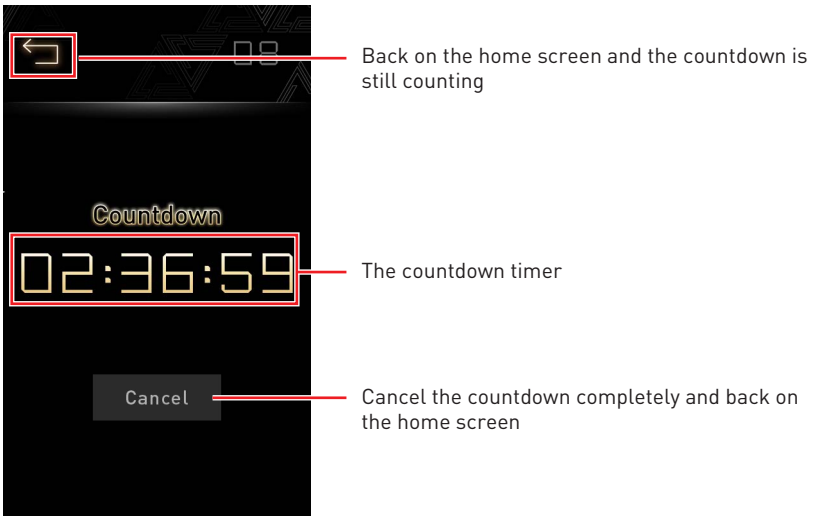
**Restart** - to restart the computer.

# Countdown Timer

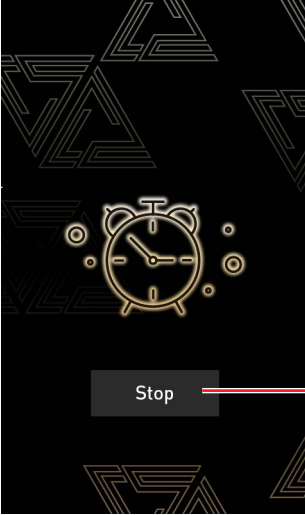


Cancel the countdown setting and back to the home screen

After you start the countdown, the screen will show as below.



Once the timer expires, it will alert and show as below.

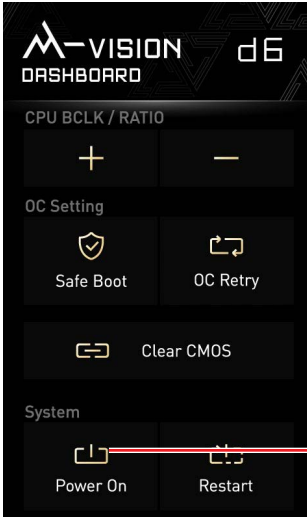


Tap Stop to cancel the alert and back on the countdown setting screen



## Powering on the computer with M-Vision Dashboard

To power on the computer with M-Vision Dashboard, the computer's power supply is need to be turned on from the power switch. Tap the M-Vision Dashboard to wake up the screen, and tap the Power On icon to turn the computer on.

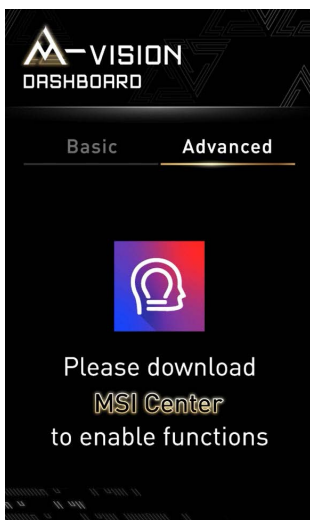


Tap to wake up the screen, and tap the Power On icon to turn the computer on.

(Images may differ from the actual product.)

## Advanced mode

Before using the M-Vision Dashboard advanced mode, make sure you have installed the MSI Center. When the M-Vision Dashboard displays message on the screen shown below. Please download and install the MSI Center to activate the Advanced mode.

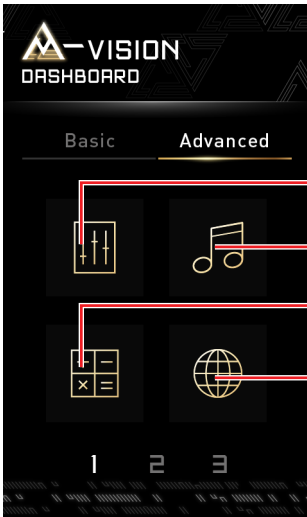


## Installing MSI Center



In order to have a better user experience, please refer to <http://download.msi.com/manual/mb/MSICENTER.pdf> to install MSI Center.

## Page 1 - Advanced mode



**Tuning Controller SW Solution**

**Media Controller**

**Calculator** - to launch the calculator application

**Web Browser** - to open the system default web browser

## Tuning Controller SW Solution

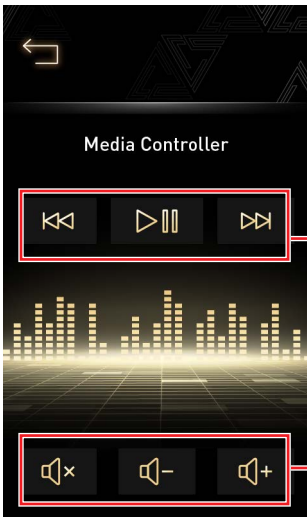


**CPU BCLK** - to increase/ decrease the CPU base clock value according to the **BIOS > OC > Direct OC Button** or **Dashboard OC Button Control** option settings.

**Shut Down** - to shut down the computer.

**Restart** - to restart the computer.

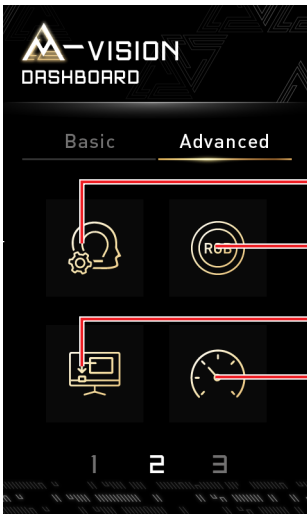
## Media Controller



**Player Control** - Previous song, Play/ Stop, Next song.

**Volume Control** - Mute, Volume down, Volume up

## Page 2 - Advanced mode



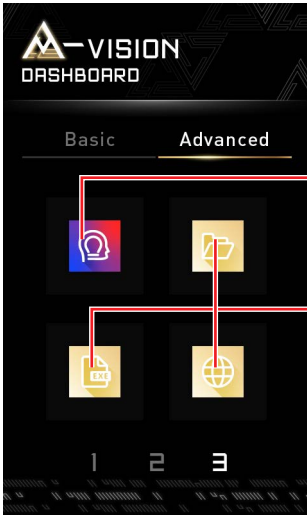
**Xbox Game Bar** - to open Xbox Game Bar

**Mystic Light Mode** - to select RGB LED lighting effects

**Boss Mode** - to hide the applications quickly

**Extreme Performance Mode** - to enable Extreme Performance mode

## Page 3 - Advanced mode



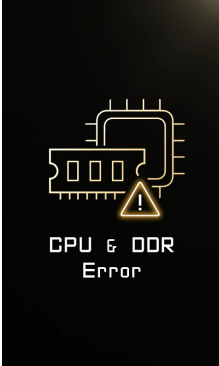
**MSI Center** - to launch the MSI Center software and enter M-VISION DASHBOARD tab.

**Customize Shortcuts** - You can use the MSI Center to set 3 custom shortcuts

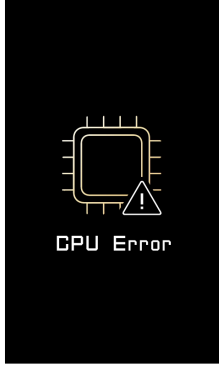
# Warnings and Errors

M-Vision Dashboard can be used to display warnings and errors and play sound.

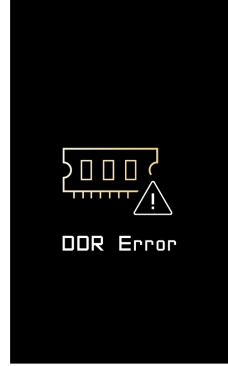
## Hardware Debug



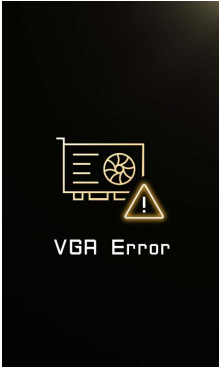
CPU & DDR memory are not detected or fail.



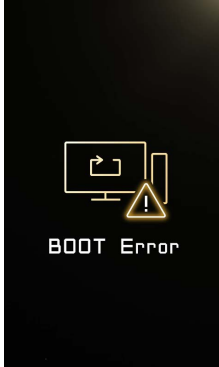
CPU is not detected or fail.



DDR memory is not detected or fail.



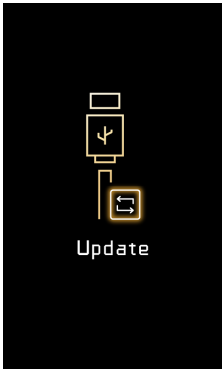
GPU is not detected or fail.



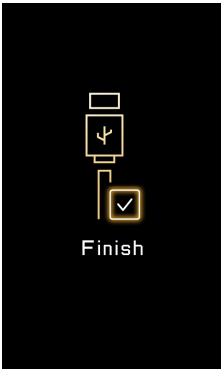
The booting device is not detected or fail

# BIOS Update Status

When you are updating the BIOS, the screen will show the update status.



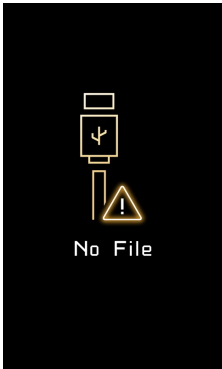
Updating BIOS



Update completed



Update failed



Files not found

# M-Vision Dashboard (Optional) - MSI Center

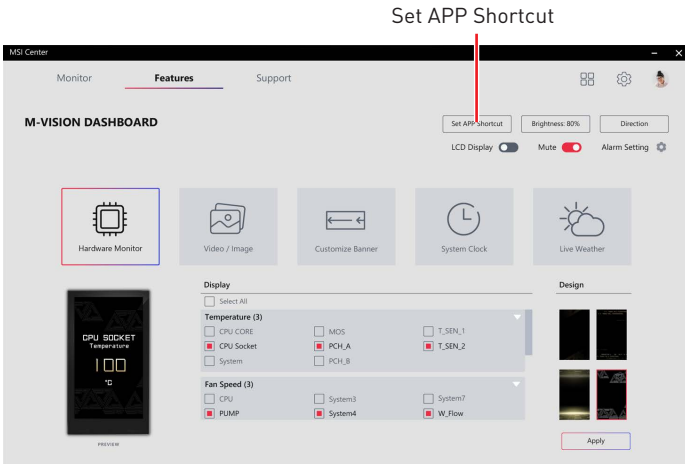
After connecting to M-Vision Dashboard, configure and customize the M-Vision Dashboard Advanced mode and even upload a .gif .bmp .png .jpg or .mp4 animation file.

Go to **Features > M-VISION DASHBOARD**.

## Setting APP Shortcut

You can add up to 3 application/ website shortcuts for your M-Vision Dashboard.

1. Click the **Set APP Shortcut**.



2. When prompted, click **+** Plus icon and select the application or the website you want to create a shortcut for.



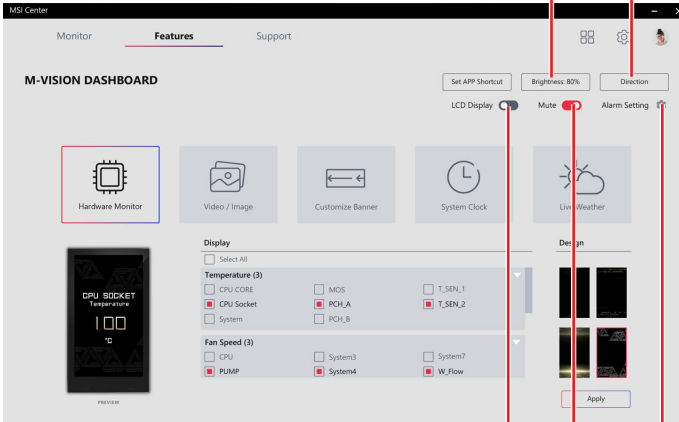
3. Click **Save** to apply the setting.



## Setting Screen and Sound

**Brightness** - set the screen brightness for the M-Vision Dashboard.

**Orientation** - select the orientation for the M-Vision Dashboard.



**LCD Display** - Turn on/ off the LCD display of the M-Vision Dashboard.

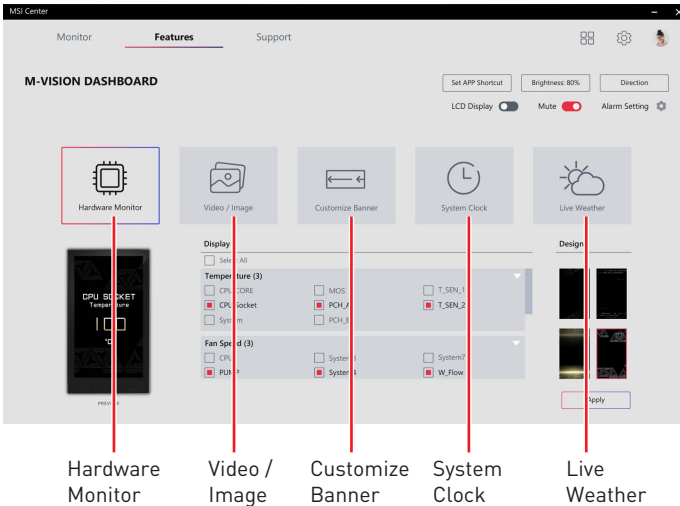
**Mute** - it allows you to mute the speakers of the M-Vision Dashboard



**Alarm Setting** - select a customized audio file and less than 5 seconds in WAV or MP3 format for the alarm and then click **Save** to apply the setting.

## Customizing Screen

You can select one of the following items to display system information, video, image, time or weather on the screen.



**Hardware Monitor** - select the display items of the hardware monitor function. The pieces of information of selected items will be shown on the M-Vision Dashboard sequentially.

**Video / Image** - select a preset or a customized video or image file, and less than 5 minutes in BMP, JPG, PNG, GIF, MP4, 800x480 pixel format.

**Customize Banner** - enter marquee text and select preset or uploaded backgrounds. Background file format: BMP, JPG, PNG, GIF, MP4, 800x480 pixel, less than 5 minutes.

**System Clock** - select the display style of the system clock.

**Live Weather** - enable or disable to show the live weather of the designated city.



*Live Weather function need an Internet connection and allow location service.*