

# Disney WOW World of Wonder Beginner and Advanced HDTV Calibration Instructions

## Before you begin

On some HDTVs, you may notice a limited range of adjustment. This is by design on the part of the HDTV manufacturer. These limits avoid pushing the HDTV too far beyond ideal levels. Do not be concerned about the inability to exceed the limits indicated on the WOW test patterns. Your HDTV can be calibrated perfectly within the given range of adjustment.

**SHARPNESS:** The WOW Sharpness Tool is for very fine adjustment of your HDTV Sharpness setting. You must be very close to your HDTV in order to accurately calibrate Sharpness using this tool. Typically, a distance of 1 to 2 feet is recommended. Often, the correct Sharpness setting will be in the lower scale between 0% and 25% of the total adjustment range.

Using certain inputs on your HDTV, like "PC," may restrict the number of adjustments you can make to your HDTV. For more information, please refer to your HDTV owner's manual or contact your HDTV manufacturer's customer service department.

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The EXPERT section is not covered in this booklet.

This section is for use by Calibration Professionals and Studio Engineers. Without the proper equipment and experience, you may not be able to properly utilize all of the tests, demonstrations, or tools in this section.

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## Let's Get Started

To calibrate your HDTV using WOW, follow these easy steps:

1. Select OPTIMIZE from the Main Menu
2. Select your skill level (BEGINNER, ADVANCED or EXPERT)

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### **BEGINNER:**

#### Select VIDEO to Optimize your HDTV

Select INTRODUCTION for basic instructions on how to use the Calibration Tools to optimize your HDTV. Please press ENTER after reading the instructions to return to the BEGINNER Test Menu.

Choose the item you wish to calibrate (brightness, contrast, etc.).

For each item, you can select:

- DESCRIPTION to hear a description of the test
- INSTRUCTIONS to see/hear what the test pattern should look like
- CALIBRATE NOW to perform the actual calibration\*

\*Please refer to the **HOW TO CALIBRATE VIDEO** section of this Instruction Booklet.

#### Select AUDIO to Optimize your SOUND

This section is for use with sound systems using external speakers and an Audio/Video Receiver. Select INTRODUCTION to learn more about optimizing your SOUND. Please refer to your Audio/Video Receiver owner's manual for details on how to adjust speaker CONFIGURATION, LEVEL and DISTANCE settings.

Choose the Sound System you wish to calibrate (Stereo, 5.1, 6.1, or 7.1).

For each item, you can select:

- DESCRIPTION to hear a description of the test
- CALIBRATE to perform the actual calibration\*

\* Some Audio Tools require that you use the SKIP, ENTER and/or ARROW buttons on your remote to navigate through the test.

The Audio tests vary depending on the number of speakers in your Home Theater System. Select the correct number from the list (Stereo, 5.1, 6.1, 7.1). Please note, the ".1" is the subwoofer. If you do not have a subwoofer, just select the number based on how many speakers you have.

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## **ADVANCED:**

### Select VIDEO CALIBRATION TOOLS to Optimize your HDTV

Select your HDTV type. If you are unsure of your display type, please refer to your HDTV owner's manual.

Choose the item you wish to calibrate (brightness, contrast, etc.).

For each item, you can select:

- DESCRIPTION to hear a description of the test
- INSTRUCTIONS to see/hear what the test pattern should look like
- CALIBRATE NOW to perform the actual calibration \*

\*Please refer to the **HOW TO CALIBRATE VIDEO** section of this Instruction Booklet.

**CONTRAST:** For the CONTRAST test pattern, you'll want the "Visible White Stars" to be visible without fading into the background. If you start losing the "Visible White Stars," your monitor is clipping, which is not optimal. In many cases, you will be able to see the "Above White Stars" on the test pattern. This is quite normal on many HDTV sets. The best setting in this case is to turn contrast up to the maximum possible level without losing "Visible White Stars" on the right side of the WOW test pattern and without introducing visible coloration (red, green or blue tint) to the "Above White Stars." You may actually find that 100% contrast still does not "clip" or make the "Visible White Stars" vanish or add any visible coloration to the "Above White Stars" on the WOW test pattern. This would be considered your optimal calibrated setting.

### Select DISPLAY EVALUATION TOOLS to Test your HDTV

Display Evaluation Tools can be used to check the operation of your HDTV. The DESCRIPTION and INTRODUCTION for each Display Evaluation Tool will describe the function and purpose of each test.

### Select AUDIO SET-UP TOOLS to Optimize your SOUND

Select INTRODUCTION to learn more about optimizing your SOUND. Please refer to your Audio/Video Receiver owner's manual for details on how to adjust speaker CONFIGURATION, LEVEL and DISTANCE settings.

- If you do not have a Sound Pressure Level Meter (SPL Meter), please select SPL METER NOT REQUIRED.

Choose the Sound System you wish to calibrate (Stereo, 5.1, 6.1, or 7.1).

For each item, you can select:

- DESCRIPTION to hear a description of the test
- CALIBRATE to perform the actual calibration\*

\* Some Audio Tools require that you use the SKIP, ENTER and/or ARROW buttons on your remote to navigate through the test.

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## **HOW TO CALIBRATE VIDEO:**

On most HDTV remotes, a button labeled MENU should bring up a list of settings, options and controls for your HDTV. Typically, the controls you need to calibrate the video will be labeled PICTURE SETTING or VIDEO (brightness, contrast, color, etc.). Should you have any problems finding or accessing your HDTV Menu, please refer to your HDTV owner's manual for instructions.

Most HDTVs have factory preset combinations for brightness, contrast, color, etc., typically called PICTURE MODES. Each preset combination will have a descriptive name, like DYNAMIC, STANDARD, MOVIE/CINEMA, etc.

To achieve the best results, select the PICTURE MODE labeled MOVIE or CINEMA and make all of your adjustments using that Mode.

Once you have chosen the correct PICTURE MODE, go to the PICTURE SETTINGS or VIDEO (brightness, contrast, color, etc.) and make adjustments using the WOW disc and your HDTV remote. When you are finished with each setting, press the POP-UP button on your disc player's remote to return to the WOW Optimize Menu. On some remotes, this may be called the TITLE/POP-UP or MENU button. Once you return to the WOW Optimize Menu, you can proceed to the next setting. For best results, it is recommended that you perform the adjustments in the order they appear on the WOW Optimize Menu.

Please refer to your HDTV owner's manual to confirm whether you need to manually save your calibrated settings. (Most HDTVs will automatically save your settings.)

Now sit back, relax, and enjoy your new visual masterpiece!

## **PIXEL FLIPPER**

This useful and unique tool will attempt to fix plasma burn-in and rescue stuck pixels. The tool cannot repair dead or defective pixels. Instructions for use are included on the disc.

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For more detailed instructions on the Calibration Tools featured on WOW, you can download the full instruction manual at the following URL:

[http://disneydvd.disney.go.com/managed/WOW\\_Manual.pdf](http://disneydvd.disney.go.com/managed/WOW_Manual.pdf)

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