



MaxxPlayer™ User Manual

INTRODUCTION

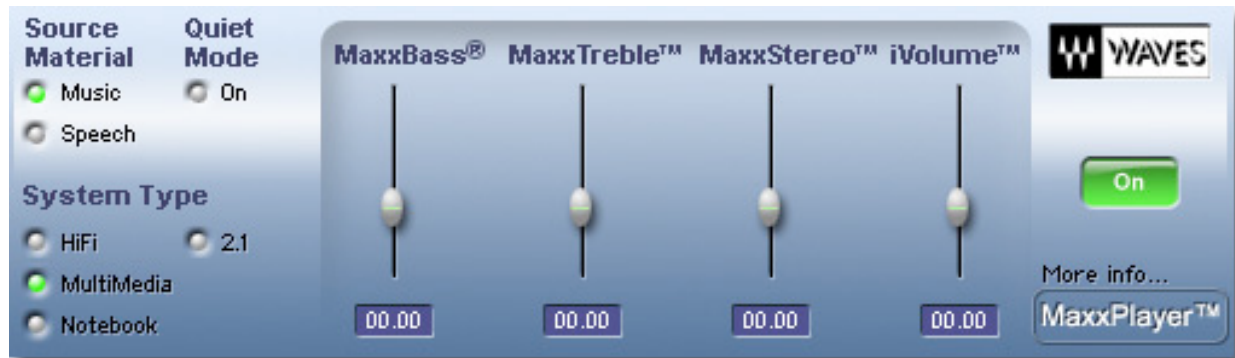
Waves, the world's leading developer of professional audio software, is proud to introduce MaxxPlayer™, a revolutionary new plug-in for Windows Media Player. MaxxPlayer™ automatically optimizes your music for your listening environment using the same audio processing technologies used by top recording and mastering engineers.

Nearly all the music you hear---whether it's on radio, TV, CD or mp3---has gone through a process called Mastering. Very simply, this means that the music has been specially treated to sound as consistent as possible over the widest conceivable range of audio systems. However, this consistency comes at a price, and since Mastering is an art as well as a science--- the music that sounds incredible in your car probably comes across differently when you're sitting in your living room---or in front of your computer.

Now, the very first time, MaxxPlayer™ puts the awesome power of Waves technology into the hands of consumers like you. The MaxxPlayer™ uses advanced DSP psychoacoustic algorithms to deliver dramatic performance improvements including...

- Allowing your audio system to play much louder without distortion
- Improving clarity and intelligibility in noisy environments
- Delivering consistent volume from inputs with different levels
- Improving bass frequency and high frequency responseWidening stereo image from closely placed loudspeakers

MaxxPlayer™ automatically optimizes your music for your listening environment using a few simple, automated controls as shown in the MaxxPlayer™ GUI (Graphic User Interface). **MaxxPlayer™ GUI**



Once you choose your Source Material and System Type, four simple controls let you customize MaxxPlayer™ to suit your own personal listening experience.

- Use iVolume™ as a replacement for your traditional volume control.
- Use MaxxBass® instead of your regular bass control.
- Use MaxxTreble™ in place of your standard treble control.
- Use MaxxStereo™ to widen the stereo image of closely placed speakers.

MaxxPlayer™ requires Windows XP or 2000 and version 9 or 10 of Windows Media Player.

The MaxxPlayer™ Technical Description provides a more detailed technical explanation of MaxxPlayer™ technologies. This document is available at www.MaxxPlayer.com.

CONTROLS

The four primary controls are located in the center of the GUI.

iVolume™

The Windows Media Player's volume control should first be set to maximum. Then, use the MaxxPlayer™ iVolume™ control instead of the Media Player's volume control.

iVolume™ Gain: -20 dB to +20dB

iVolume™ is a ground-breaking new technology that automatically adjusts the dynamic range of your music to compensate for limitations in your acoustic system and listening environment. It is built on the same technology that the professionals use including Waves industry standard **L1 Ultramaximizer** peak limiter and **Renaissance Compressor**.

Peak limiting is automatically applied to strong signals, which allows volume to be increased to levels far beyond where clipping and distortion would normally occur. Compression is automatically applied to weak signals to bring these signals above the noise floor to improve clarity and intelligibility of weak signals. Expansion and noise gating are also used to prevent the amplification of noise from your sound card, CD player, or background noise present on the audio source.

MaxxBass®

First, you need to disable all equalizers, bass boosts and other effects such as SRS TruBass.

Then, use the MaxxBass® control as you would any other bass control.

MaxxBass® Effect: 0.00 to 1.00

The MaxxBass® function is OFF at 0.00 setting.

MaxxBass® extends and enhances your bass response, giving you subwoofer performance from regular computer speakers. Its technology, based on scientific research exploring how we perceive sound, enables users to hear bass frequencies far below the physical speaker limitation. This is conceptually similar to computer monitors and TVs that create the full color spectrum using only red, green, and blue pixels.

MaxxBass® is a patented psychoacoustic process that extends the perceived bass response of a loudspeaker system by up to 1.5 octaves. It utilizes the same patented technology found in Waves' **Renaissance Bass** and **MaxxBass®** professional audio software plug-ins, as well as Waves **MaxxBass® 101, 102** and **103** hardware processors.

MaxxTreble™

Use MaxxTreble™ as you would any traditional treble control.

MaxxTreble™ Effect: 0.00 to 1.00

The MaxxTreble™ function is OFF at 0.00 setting.

MaxxTreble™ is a unique dynamic high frequency enhancement that brings out definition and crispness in the higher end of the sound spectrum. Even if your speakers don't have separate components for bass and treble, MaxxTreble™ simulates the brilliance and clarity previously available only from tweeters (treble speakers).

MaxxStereo™

MaxxStereo™ is used to widen the stereo image.

MaxxStereo™ Effect: 0.00 to 1.00

The MaxxStereo™ function is OFF at 0.00 setting.

MaxxStereo™ utilizes the same spatial imaging technologies used in Waves **S360° Surround Imager** and **S1 Spatial Imager** professional audio processors. MaxxStereo™ creates the sonic illusion that your stereo speakers are farther apart than they actually are, and makes your listening environment sound far more spacious than it really is.

MaxxStereo™ is not recommended for headphones. Users may prefer to turn off this function when listening to heavily compressed audio such as mp3 or WMA files.

SETTINGS

The GUI features settings for **Source Material**, **System Type** and **Bypass**.

Source Material

Select either **Music** or **Speech** setting for the type of audio source material. (Movies should be played using the **Music** setting.)

Quiet Mode

Set to **ON** for TV and radio applications and set to **OFF** otherwise. When Quiet Mode is **ON** (lit), it works with iVolume™ to deliver consistent listening levels.

Different styles of music are mastered at different levels. For example Rock and Dance music will generally sound considerably louder than Classical or Jazz. Similarly, commercials are usually much louder than TV or radio programs. Quiet Mode automatically delivers consistent volume to compensate for different input levels.

System Type

You can choose from three different speaker types: **HiFi** (for larger speakers), **Multimedia** (for most home computers), and **Notebook** (for laptops). Based on your choice, MaxxPlayer™ then “knows” how to optimize your music in the most accurate way possible.

2.1

Set the 2.1 button to **ON** only if your audio system uses a separate subwoofer. If your system does not have a subwoofer, set to **OFF**.

ON/Bypass

Set to **ON** to activate MaxxPlayer™. Set to **Bypass** to disable MaxxPlayer™ and allow for simple comparisons.

More Info On MaxxPlayer™

Clicking this button connects you to www.MaxxPlayer.com

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