



MaxxVoice™

THE ULTIMATE VOICE AND
COMMUNICATIONS SOLUTION



OVERVIEW

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MaxxVoice™ is a suite of state-of-the-art technologies that provide cutting-edge input processing for intelligible, noise-free conversation on consumer electronics devices.

Based on the same professional Waves processors used in audio forensics and post-production facilities, **MaxxVoice™** includes innovative directional and adaptive background noise reduction, advanced echo cancelation, intelligent volume and dynamics controls and more, be heard and hear, loud and clear.





ENHANCED FAR FIELD FUNCTIONALITY

MaxxVoice™ introduces a suite of new algorithms designed to enable far field pick-up functionality for communication and speech recognition

At Waves, we understand the complexities required by utilizing Far Field processing in real life and end users can be underwhelmed by solutions that perform poorly. Our solution allows the users to communicate with the device from real-world distances, in noisy environments, and while the device itself is playing back audio content. **MaxxVoice™** provides a truly best in class communications and speech experience.

KEY BENEFITS

10m

10-METER FAR FIELD
VOICE PICK-UP



The powerful feature set offered within **MaxxVoice™** makes it the most complete solution for far field voice pick-up applications. **MaxxVoice™** has been tested to allow speech recognition from up to 10 meters. Additionally, **MaxxVoice™** utilizes a best-in-class stereo echo canceler that allows far field speech recognition to work reliably even while the device is being used for audio playback.



IDEAL FOR BOTH
VOICE & SPEECH



MaxxVoice™ is optimized to detect different usage scenarios and deploy different processing chains for voice and for speech in a manner completely transparent to the end user.



CERTIFIED BY SKYPE FOR BUSINESS (LYNC) AND CORTANA

MaxxVoice™ can be found in dozens of devices that have passed arduous Skype for Business and Cortana certifications. Waves offers extensive pre-certification and certification support per platform to ensure that each and every device with **MaxxVoice™** meets the highest standards of voice and speech performance.



SIMPLE INTEGRATION AND DEDICATED ON-SITE SUPPORT

MaxxVoice™ was designed from the ground up to conform to the ever-evolving requirements of today's consumer electronic devices. It is fully compatible with Windows 10 Audio Architecture and can be easily integrated into any device. Waves product specialists located around the globe provide top-tier support and tuning services to ensure that every step of the integration process is concluded as efficiently as possible and that each device provides the best voice and speech performance it possibly can.

COMPONENTS & FEATURES

MaxxVoice™ is the most comprehensive input processing solution on the market

MaxxBeam™		Array-based noise suppression, enhanced far field functionality
MaxxNR™		Dynamic noise reduction
MaxxEC™	NEW & IMPROVED	Adaptive stereo echo cancelation, improved tolerance for latency and distortion
MaxxEQ™		Fully parametric studio-quality voice equalization
AutoEQ		Automatic voice equalization
MaxxVolume®		4-way dynamics conditioning
DeKey		Keyboard noise elimination
Speech Level Optimization		Automatic detection and normalization of voice levels
Far Field AGC	NEW	Automatic far-field voice gain compensation
Light Algorithms	NEW	CPU & memory optimizations
DeReverb	NEW	Automatic room acoustics correction
DeBabble	IMPROVED	Diffused noise reduction

APPLICATIONS

MaxxVoice™ is a comprehensive solution for a wide variety of devices and applications that feature voice and speech functionality:



LAPTOPS



AUTOMATED PERSONAL ASSISTANTS



TABLETS



WEARABLE DEVICES



HEADSETS



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