

MCL-VOICE GENERATION 2

TALK AND LISTEN TO YOUR MOBILE COMPUTER



HIGHLIGHTS

Industrial-Grade Voice Recognition

Use MCL-Voice for warehouse picking and other demanding voice operations.

Language-based voice recognition

Discover superior voice recognition quality and speaker independence. And no voice system training required!

Multi-lingual

Provide your global workforce with native language support.

Speaker dependent or independent

You decide.

Voice recognition optimization

Benefit from robust voice recognition performance.

MCL-Voice Generation 2

Robust, high performance voice recognition makes MCL-Voice perfect for use as the primary data capture method, even in noisy industrial environments. Use MCL-Voice to boost your workforce productivity up a notch while, at the same time, achieving higher levels of data accuracy. What's more, MCL-Voice can be used across your entire mobile workforce — inside the four walls of your enterprise, on the road, and in the field. Plus, MCL-Voice Manager helps you manage your voice users and optimize their voice recognition performance, all from a convenient centralized location.

Voice-Enable your mobile applications

Create voice-directed mobile worker applications, or simply voice-enable traditional mobile worker applications — with MCL-Voice, the flexibility is yours.

MCL-Voice is designed for all-day use in harsh industrial work environments. Computer synthesized text-to-speech, or TTS, converts application text prompts into audible prompts. Inversely, the MCL-Voice recognition engine converts user speech input into data. Workers enter data by simply speaking into a microphone and receive work instructions by listening to a headset. Equip your workers with a headset, and they are set to go.

A Unique Approach

Built on MCL-Collection, MCL-Voice offers you the benefits of a mature, integrated

development and deployment environment while bringing you the latest in technological advances. The result is an innovative offering:

- Multimodal approach
- Multi-manufacturer, multi-application, multi-user, multi-lingual support
- Thick-client architecture
- Language-based voice recognition
- Voice recognition optimization
- MCL-Voice Manager

No Voice System Training

Its language-based voice recognition means MCL-Voice is a speaker independent voice system. This translates into instant productivity for your organization. For example, seasonal or transient workers can be put to work quickly to expand your organization's workforce during seasonal peaks — no lengthy voice system training is necessary before they can get started.

Spoken words are recognized phonetically. Therefore, all of the words used in your application are recognized immediately, in any one of many languages.

In fact with its generous list of supported languages — even greater if you count available accents, such as UK English versus US English — MCL-Voice can meet the linguistic demands of your diversified workforce.



Multimodal approach

Deploy a range of voice applications from voice-centric applications to multimodal applications combining voice, barcode scanner, touch screen, and keyboard data capture methods — all in the same application.

Multi-manufacturer

Choose from a range of mobile computers from voice-centric devices such as the Motorola WT4090 and LXE HX2 to the Motorola MC9090 and Intermec 751.

Multi-application support

Run voice and non-voice applications on the same devices. Mobile computers used for voice picking during seasonal peaks, for example, may also be used for other applications during off-peak seasons.

Multi-User

Share a pool of devices amongst users working different shifts.

Thick-client architecture

Get the fastest possible voice recognition.

Run voice applications over the full range of host connectivity options — picking in a warehouse with wireless WiFi coverage; route accounting on the road with sporadic GPRS access; meter inspecting in the field with end-of-day batch data uploads. MCL-Voice easily handles all modes of operation — anywhere, anytime.

Centralized Management with MCL-Voice Manager

Manage your voice users. Plus, monitor and analyze user voice performance.

Unparalleled Robustness and High Performance

Designed to perform even in noisy industrial environments, use MCL-Voice as the primary data capture method in any environment.

By analyzing the audio input and performing a series of validations, MCL-Voice optimizes worker voice recognition. The validation process maximizes confidence that words spoken are correctly recognized and "accepted" and that any noise picked up is isolated and "rejected".

Audio calibrations, user speech profiles, application contexts, user voice adaptations, and user word transcriptions form the basis of MCL-Voice's optimization.

Certain aspects of the voice recognition optimization are user specific and fine-tunable per user. As a result, MCL-Voice gives you the option to run it as a speaker dependent system to attain maximum voice recognition optimization.

MCL-Voice offers you the best of both worlds — a speaker independent system with the flexibility to be speaker dependent and tailor the voice system to each and every worker. The choice is yours.

Centralized Management

In addition to its development and deployment components, MCL-Voice also includes MCL-Voice Manager — management and tuning software for MCL-Voice users. This powerful, centralized environment allows you to collect objective and accurate voice data based on logging and statistical analysis.

It also gives you the ability to measure voice recognition quality over time, per user, per word. This helps you track and correct voice issues to improve recognition rates, improve noise rejection, and optimize user voice profiles. What's more, this unique market offering also allows you to manage your

voice users — create and modify voice users, define user voice preferences, and set recognition and decoding parameters.

Use MCL-Voice Manager to get the best possible voice recognition performance out of your MCL-Voice system to maximize your worker efficiency and productivity.

Why MCL-Voice? In a Nutshell...

With its superior technology, innovation, flexibility, and robustness, MCL-Voice Generation 2 brings many differentiating factors, benefits, and incomparable features.

Its language-based speech recognition means workers can speak naturally and be recognized. And its human-like speech synthesis assures they can easily understand application prompts. In short, MCL-Voice is a high performance industrial-grade voice solution that is ideal for voice operations.

The benefits MCL-Voice brings your organization are significant:

- Increases worker productivity and data accuracy — generating a rapid return on investment
- Allows hands-free operation so workers can focus on other activities, like moving goods
- Allows eyes-free operation so workers can focus on other activities, like driving or stocking product
- Does not require you to choose voice over other data capture technologies
- Permits workers to use whichever data capture method is most efficient and convenient to perform the task at hand — the right technology at the right time
- Lets work flow be directed by your host application or by your mobile workers

Add to this equation the fact that MCL-Voice is an integrated component of the MCL-Collection, and you quickly realize that MCL-Voice also brings the benefits of MCL-Collection to your voice enabled applications.

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