



GIVE WINGS TO  
YOUR IDEAS



WAVECOM'S  
MODULAR  
USER  
SOFTWARE  
ENVIRONMENT

**wavecom**<sup>®</sup>

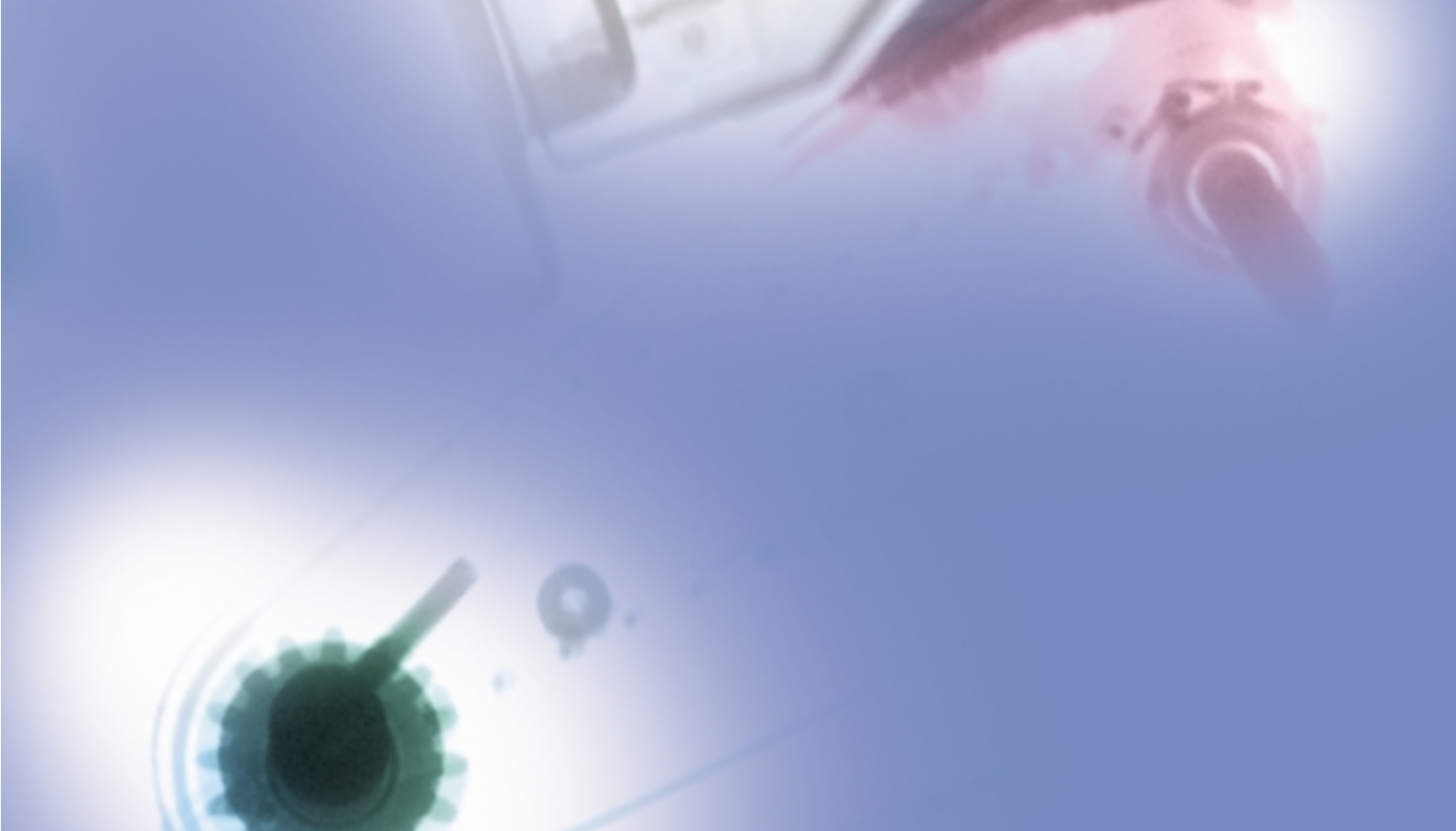
PLUG IN TO THE WIRELESS WORLD

# TAKE FLIGHT WITH MUSE PLATFORM



WAVECOM'S  
MODULAR  
USER  
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ENVIRONMENT

**The wireless world opens unlimited horizons  
for new, innovative applications.  
And WISMO technology makes it easy to add  
advanced wireless voice and data capabilities  
to almost any device. But developers  
need tools and a base of expertise to tailor  
WISMO advantages to their specific needs  
quickly and easily. That's why Wavecom has  
created the MUSE Platform, an open environment to  
support rapid, cost-effective development  
of wireless applications.**



## UNLEASH YOUR IMAGINATION

The MUSE (Modular User Software Environment) Platform is an innovative and comprehensive platform enabling wireless applications developers to take advantage of the fast-growing market for GSM and GPRS products and services.

The first product available in the MUSE Platform is Open AT for vertical market applications. MUSE Platform will be expanded and enhanced with Open MMI. This platform makes it possible to customize the Man Machine Interface and applications within a mobile phone.

The MUSE Platform will include a forum for the community of wireless applications developers to participate in lively discussions and exchange information.



# TAKE COMMAND WITH OPEN AT

## HAVE IT YOUR WAY

Open AT puts WISMO's full potential in the customer's hands. It is a software feature that lets customers embed and run applications based on simple, standardized AT commands on a WISMO. This approach offers you more autonomy and flexibility, and makes WISMO an intelligent, customized, wireless sub-system.

## UNLOAD EXCESS WEIGHT

Open AT offers several advantages. By embedding the application on the WISMO module, it reduces the number of components needed and lowers the costs of applications. Open AT also facilitates the development of wireless applications. And with Open AT, you can share building blocks within the Open AT developers community.

## OPEN AIRWAVES

Open AT gives wireless applications developers an open environment and software for vertical market applications, including telemetric, automotive and multimedia systems. Developers can employ the available processing capacity and intelligence of WISMO to integrate GSM voice and data capabilities into their own applications. Simple applications don't need a dedicated processor or additional circuits and all applications can reuse existing building blocks.



## STREAMLINE DEVELOPMENT

To take advantage of Open AT, wireless applications developers need a Wavecom module or modem that supports the Open AT platform and the Open AT Software Development Kit (SDK).

The SDK includes all the documentation, tools and technical support needed to get wireless offerings to market fast. It helps develop, debug and test new applications.

**Lower** development and test costs

**Reduced** product cost

**Reduced** time to market

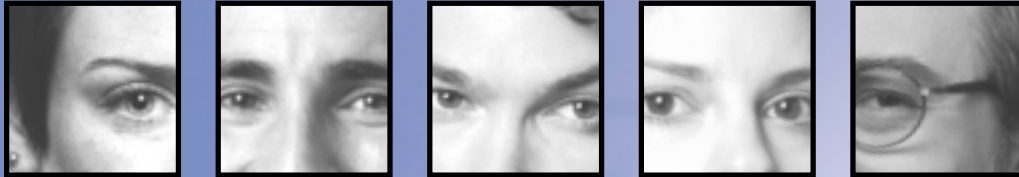
**Higher** level of integration

**New** wireless applications possible

**More** flexibility for developers

**Access** to the developer community





## LIBERATE YOUR IMAGINATION

With Open AT wireless applications developers have the flexibility and autonomy to easily create innovative new wireless applications embedded on a WISMO module or modem.

### From the drawing board to the dash board in record time

A leading automobile manufacturer regularly offers its customers the very latest in digital communications and navigation systems – one of the ways it manages to stay on top of the market. Now, the company has learned that, for the past several months, a competitor has been working on an innovative system which incorporates several security and maintenance features for its new models. Our developers know what's needed to compete effectively, but how can they get their application to market in time?

Thanks to Open AT, the developers are free to implement a fast-track program which enables them to design, develop and test their application in record time. By embedding and running applications directly on the WISMO module, they not only save time, but also reduce overall cost and complexity, as they bring their ideas from the drawing board to the dash board.

### Break innovation barriers without breaking budgets

Developers at a small security services company, which recently introduced its first remote monitoring terminal, are brimming with bright ideas for new applications. But until the company has sold many more of its inaugural terminals, it cannot afford to fund costly development of follow-on product generations on enhanced hardware platforms.

Seemingly stuck with a classic chicken-and-egg situation, the developers take advantage of Open AT to fertilize and hatch their new ideas. Since Open AT eliminates the need for extra circuit boards and components, new features and applications can be added to existing hardware platforms. The bottom line is that, with no need for hardware changes, development costs stay low.

### Boost sales by boosting features

A manufacturer of edgy electronics goods for personal and professional use knew that it could boost sales with a GSM/GPRS version of their product, since that would add communication to the mix. However, the company feared that adding GSM would consume so much battery life that the product would no longer be successful.

The company's developers found the solution thanks to Open AT. An Open AT application could be embedded onto the WISMO module to manage any incoming GSM information while the main CPU remained in sleep mode. Since the main system did not have to actively monitor GSM/GPRS communication events, power consumption was preserved. As a result, the company's new products proved to be the most power-stingy on the market. Sales (and job security) skyrocketed.



# TAKE ADVANTAGE

## SOAR EVEN HIGHER WITH MUSE PLATFORM OPEN MMI

Built on the same open environment principle as Open AT, Open MMI provides the tools you need to develop a unique, distinctive user interface. Open MMI gives developers expanded access to WISMO's resources, allowing them to build their own applications on top of the GSM stack. This openness allows you to add functions and features that make your product up-to-date and desirable.

With Open MMI, developers can delve as deep as their experience allows. The toolbox layer contains all Wavecom's MMI know-how. Or developers can go straight from the core GSM software and build their MMI from scratch. Either way, developers with GSM experience can create a rich set of functions for communications and user features. It's ideal for complex applications such as smart phones.

## OPEN YOUR HORIZONS

As wireless applications developed with Open AT and Open MMI continue to grow, the base of knowledge about these new applications will likewise expand. The MUSE Platform alliance of developers will enable experienced developers to share their technical expertise, as well as their marketing and distribution information. MUSE Platform supports newcomers to the community of wireless applications developers.

As a member of the MUSE Platform alliance, any developer can access technical documents, an on-line FAQ, e-mail technical support, news, an online knowledge base, as well as discussion groups and forums.



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