



Helix DNA™

The Building Blocks for Digital Media

Helix DNA is a universal digital media platform, created to accelerate the development and deployment of rich media applications on any device, over any network, on any operating system, created in any development environment.

To date, over 550 million Helix DNA enabled devices have been deployed by manufacturers of smartphones, feature phones, portable media players, televisions, and Internet radios. The Helix DNA code is available in binary and source code form and is licensable under various open-source and commercial-source licenses.

Cross-Platform, Multi-Format and Carrier-Grade

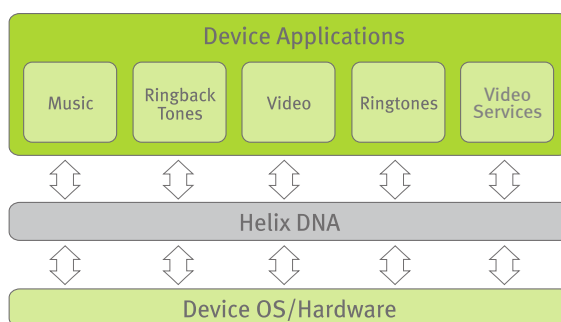
Helix DNA is the leading carrier-grade, cross-platform, multi-format client middleware solution designed to enable world class media applications and services. It provides a consistent set of media capabilities to a variety of devices and operating systems, including Windows Mobile, Linux and Symbian. Helix DNA is used by over 100 broadband and mobile operators around the world, and is the underlying media engine for millions of mobile devices shipped by manufacturers such as Nokia, Motorola, LG, HTC, Sony Ericsson and Samsung.



Media Performance and Integration of Media Applications

Helix DNA provides a common set of media capabilities across different sets of devices. Device media applications such as music players, ringtone/ringback players, video players and video services can take advantage of Helix DNA to provide better performance, better user experience, and easier data sharing and communication between applications.

Manufacturers only need to integrate their media applications with the Helix DNA once, thereby saving the time and expense of integrating their applications with device specific hardware and operating system implementations. As a result, manufacturers can focus more on developing innovative applications and bringing products to the market faster, and less on integration and testing for each new device.



Helix DNA Enables Media Services for Carriers

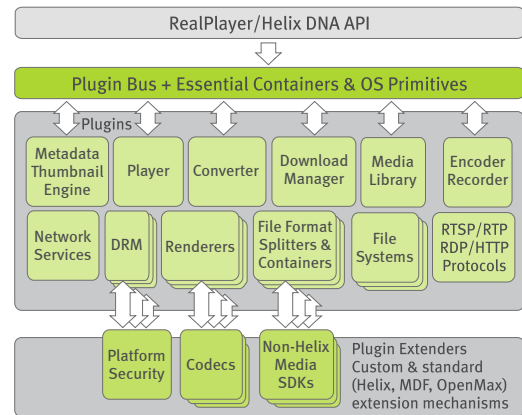
Devices with Helix DNA provide an attractive value to carriers looking to roll out new and innovative media services such as music, video, and ring back tones. One of the biggest obstacles to the deployment of carrier media services is the need to integrate and test the services with a variety of operating systems, media



capabilities, and hardware capabilities on a variety of devices. However, devices with Helix DNA provide a uniform set of media capabilities and a common interface so carriers only need to integrate services once, therefore providing a better end-user experience and cost savings. Helix DNA has been deployed on 100+ carrier networks around the world including AT&T, Verizon Wireless, and Vodafone.

Flexible, Collaborative Technology

Helix DNA is a product of collaborative, open source development in the Helix Community. Started by RealNetworks and with contributions from market leaders like Nokia, Motorola, LG, Sony Ericsson, and Samsung; Helix DNA and the Helix Community continue to evolve to power today's multimedia enabled applications. Helix DNA source code is publicly available and manufacturers are free to modify the functionality to meet their needs. To help with integration, manufacturers can rely on the expertise of the community members or enroll in a premium support programs.



Partner Spotlight – Nokia

Nokia has been working with the Helix DNA technology for many years now and recently decided to standardize on the Helix DNA Client as their default media playback application on all Symbian Series 60 Smartphones. Some of the main reasons for this decision were:

- The Helix Community offered an attractive way for S60 to involve external S60 licensees at an earlier phase of product development
- The ability to leverage advances from a diverse ecosystem of multiple contributors, multiple operating systems and diverse needs, which leads to innovative solutions to problems
- Improved modularity allows S60 licensees to vary their product offerings based on future memory and footprint requirements



Nokia N96

Helix Community

Helix Community is an open collaborative effort among industry leading multimedia enthusiasts to develop and extend the Helix DNA platform. With over 150 thousand members, the community offers a consensus-based development process, with an extensive and diverse ecosystem of developers all involved in creating world class multimedia enabled applications. Involvement in the community can be as easy as downloading the latest Helix DNA build and trying it out, reporting a bug, submitting an idea for a new feature, downloading the Helix DNA source code and creating a new module, or simply visiting a project home page and reading the current news.

Contact Real Today

For more information about the Helix Community and participation in the community, please e-mail feedback@helixcommunity.org or visit www.helixcommunity.org