EB GUIDE 6 - model-based HMI development

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December 2015
Content

HMI development
Overview, challenge & markets

Development tool
EB GUIDE Studio and Speech Extension

Runtime
EB GUIDE Graphics Target Framework
Target development for automotive HMIs – the challenge

- Product development cycles get shorter
- Features are not known at project start or change during development period
- Projects are bigger and solutions will be used for multiple platforms, brands and markets
- CE driven user expectation for animation, graphical effects and voice dialog
- Cars are more and more connected

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Use cases
EB GUIDE product overview

EB GUIDE Studio
Tool for graphical HMI development

EB GUIDE Speech Extension
Tool add-on for speech-enabled UI design

EB GUIDE Graphics Target Framework (GTF)
Runtime environment for the graphical user interface

EB GUIDE Speech Target Framework (STF)
Runtime environment for enabling speech dialog and additionally integrated customer applications. Additional easy-to-use services to the recognizer engine
Separation of HMI model and applications

Encapsulation of the HMI in one component:

- HMI development is independent from application logic
- Communication with application is done via datapool and events
- Round trip engineering via simulation and testing
- High level of reusability by using a model driven approach
Multimodal HMIs with GUI, touch and speech dialog

Have one HMI model

Use any combination of
• Key input
• Push-/Rotary controller
• Touch input
• Gestures
• Speech input

Synchronized between modalities
Monitor the HMI with EB GUIDE Monitor

**Challenge**
- Manage complex dialog flows
- Automated testing of dialog flows
- Early evaluation of usability

**Solution**
- EB GUIDE Monitor is a graphical tool to monitor and control the runtime.
- EB GUIDE Monitor supports test automation on the command line via JavaScript.
The EB GUIDE philosophy

Change your concept inside the HMI model.

Test your concept in the HMI simulation.

Integrate your concept by generating the HMI.
New in EB GUIDE 6
New user interface

- New, consistent and modern graphical user interface
- User centric design
- Guided workflows
- Only two main perspectives
- Improved script editor
Improved multiuser capabilities

- Human readable storage file format
- Structure in tool reflected in storage file format
- Use version control of your choice
- Branch and merge, and cherry picking
- Easily reuse complete subprojects
Free download

One tool. Many experiences.

EB GUIDE: a modern HMI tool for graphical, voice, and touch UX design.

Experience EB GUIDE

Have as much fun designing your HMI as using it.

EB GUIDE lets you model your UX with a WYSIWYG Interface at your desktop. It's a powerful HMI development tool for building rich UXs for high-performance devices.

www.EB-GUIDE.com
EB GUIDE Studio – two editions

Community Edition
for non commercial use cases
- Limited Support & Services
- Limited Rights
- No Warranty and Liability

Enterprise Edition
for commercial use cases
- Full Support & Services
- Rights for commercial usage
- Warranty and Liability

Service Package
- EB GUIDE TF Port
- HMI Consulting & Services

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