

# Navigation



## Integration of external **Navigation** into an existing system

### Customer requirement

As the implementation of an MMI system for Korea proved to be extremely time-consuming, the customer requested a quick temporary solution for the Korean market.

The main requirement was the possibility of an update with integrated navigation on the finished product which will be available in the future.

Various adaptations should be made to the menu to extend the range of functions.



### comlet solution

comlet's solution was the integration of an external navigation system via an external LVDS switch. This allows the navigation system's video signal to be displayed on the MMI.



At the design and implementation stages it was vital to guarantee the possibility of updates on a later, unknown target platform.

In order to integrate and process Hangul and Syllable font the software was extended to enable TrueType fonts to be displayed. This was a prerequisite for the display of Korean characters. In addition a Korean text data base was integrated which contains the texts for display in the MMI.

Special adaptations had to be carried out in the areas diagnostics and EEPROM in order to extend the range of functions.

#### Technologies used:

Harman/Becker MMI2000, MOST Bus,  
Oasis Optolyzer, Tornado, VxWorks

