

Revolutionary Embedded Solution – BEO 5 NEW GENERATION REMOTE

CHALLENGE

BANG & OLUFSEN

The last decade, audio and video industry has shown a real boom due to emergence of global competitive players, rapid technological changes and research development, shorter life cycle products and a continuous shift in consumers' demands and necessities toward more sophisticated products.

Our client, Bang & Olufsen, a manufacturer of high end video and audio products wanted to replace its ten year old remote control Beo 4 with a new modern and competitive generation Beo 5 that incorporates color display LCD and touch-screen. They needed our help in order to design and implement an embedded multimedia solution specific to the new remote version.

SOLUTION

After a period of industry research, our suggested solution was an embedded application characterized by a certain set of requirements: flexible and easy adaptable user interface.



This solution offers the advantage for every consumer not only to adapt its remote menu according to his desires, but also to have a multifunctional remote control capable to simulate and substitute other remotes.

In order to design the solution, we worked closely with our client studying and testing different types of hardware alternatives. The application was implemented on a Motorola real time ARM processor characterized by a low consumption and it required a uCOS operating system.

The software written in C language is designed completely by IP Devel in order to support menus remote configuration and implementation;

In the end, the result was not only a very satisfied client at quality level, but also an ergonomic solution that can be configurable through a downloaded from a PC. The remote control is characterized by an elegant Bang & Olufsen “look and feel”.

ABOUT OUR CLIENT

Bang & Olufsen is a Danish company that designs and manufactures high end audio products, television sets, and telephones that are intended to reflect cutting edge industrial design in appearance, function and operation. Founded in 1926, Bang & Olufsen enjoys currently a global presence and has a turnover of 586 millions euro employing more than 2500 people. For more information about the company please visit www.bang-olufsen.com