

Electronic Vehicle (EV) Charge Point

This project demonstrates the unique solutions for the fast-growing electronic car charging market. The GUI application simulates the complete charging process, including language selection, user authentication and transaction phase with dynamic and user friendly graphic design. The outstanding capabilities of the graphics modules are mainly focused on:

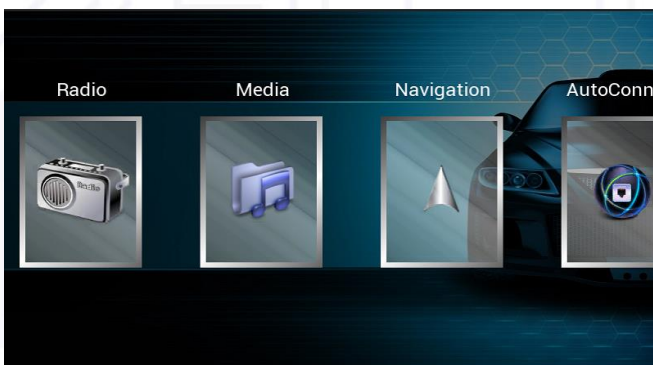
- Unicode support
- Animation support



Auto Infotainment System

This project demonstrates an Auto Infotainment system with a User Interface to showcase the automotive Infotainment solution. It is a flat design (minimalist user interface) style and emphasizes three major functions: *Media*, *Radio* and *Navigation*. The media screen showcases the popular tile menu whilst the radio screen uses the sliding widgets. On the navigation screen, users can interact with the preloaded maps under the help of multi-touch gestures. The outstanding capabilities of the graphics modules are mainly focused on:

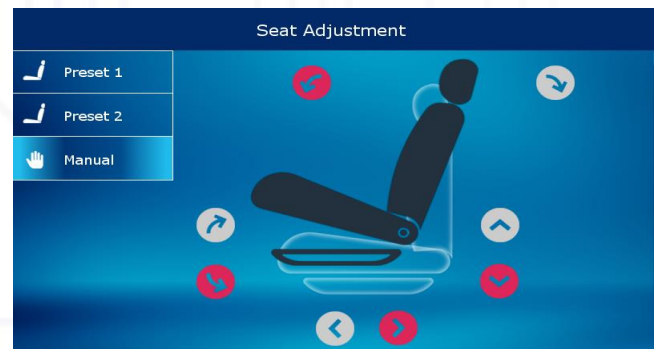
- Excellent image quality
- Multi-touch and gesture support
- Extra-large image size support



Auto Seat Adjustment System

This project demonstrates an Auto seat adjustment system with a User Interface to showcase the automotive seat adjustment solution. It visualizes the process of manual seat adjustment. In addition, users can predefine their favourite seat profiles and switch them from one to another. The outstanding capabilities of the graphics modules are mainly focused on:

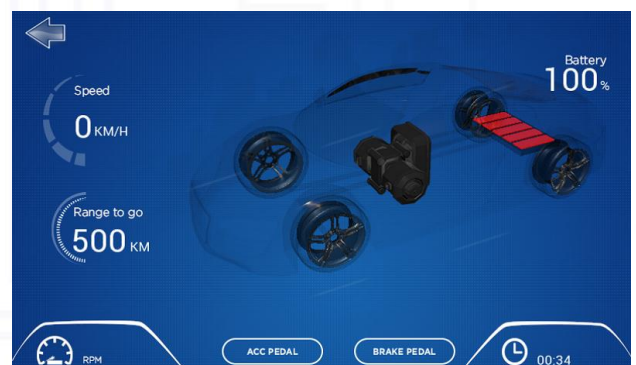
- Excellent image quality
- Image manipulation



Electronic Vehicle (EV) Energy Monitor

This project demonstrates an EV Energy Monitor with a User Interface to showcase the automotive dashboard solution. To simulate actual user scenarios, there are two buttons for users to press for accelerating or braking. In addition, the electric current transmission is animated to illustrate the relationship between battery, motor and wheel. The outstanding capabilities of the BT81X graphics controller are mainly focused on:

- Excellent image quality
- Screensaver & Animation
- Responsive touch



The GUI applications are powered by an embedded platform based on a low cost FT90X MCU and latest BT81X enabled display module at 800x480 pixel resolution.