

Electronic Vehicle (EV) Charge Point

This EV Charge Point project demonstrates the unique solution for the fast-growing EV charging market. The GUI application is powered by the cost-effective **FT90X** MCU and the latest **BT817** enabled module with a 10-inch LCD display (**1280x 800**). The dynamic and user-friendly graphic design simulates the entire charging process, from language selection to user authentication and transaction phases. The major features showcased in this demo are:



- Higher resolution LCD support
- Unicode character support
- Animation support

Bar Type LCD

This revamped project demonstrates the excellent flexibility of **BT817** for diverse sizes of LCD display. The 11-inch LCD display (**1280x120**) is driven by the cost-effective **FT90X** MCU and the latest EVE Chip **BT817**. This application is designed to work with the EV charge point demo, in order to highlight the secondary display use case. It receives the charging status information from the EV charge point demo and renders the screen accordingly. The major features showcased in this demo are:

- Non-standard LCD support
- Excellent animation support



Car Dashboard

The aim of this project is to showcase the superior graphical capabilities of the **BT817A** chip in typical cluster instrument application for the automotive industry. The platform is based on the cost-effective **FT93X** MCU and the latest EVE Chip **BT817A**. The **BT817A** chip powers a widely used 12-inch LCD display with a resolution of **1440x540**, providing exceptional image quality and real-time responsiveness. Specifically, it is utilized to render the user interface rapidly for displaying speed and RPM information. The major features showcased in this demo are:

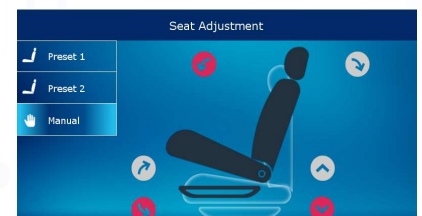
- Higher resolution LCD support
- Excellent image quality
- Fast booting up time and high frame rate



Car Seat Adjustment

This project is to showcase the superior graphical capabilities of the **BT817** chip in car seat adjustment application for the automotive industry. The platform is based on the cost-effective **FT90X** MCU and the latest EVE Chip **BT817**. The **BT817** chip powers a widely used 7-inch LCD display with a resolution of **800x480**. The major features showcased in this demo are:

- Touch detection capability
- Excellent image quality
- Fast booting up time and high frame rate



Coffee Machine

This project demonstrates a GUI solution of coffee machine, based on the latest EVE Chip **BT881** and popular ATMEG328P MCU. The 5-inch LCD resolution is **480x272**. The demo is developed in Arduino IDE and showcases the features below:



- Simple and straightforward programming
- Touch detection capability
- Smooth and intuitive UI
- Cost-effective solution

Automobile Climate Control

This project demonstrates a typical climate control application for automobile, based on Bridgetek display module **IDM2040-7A**, which comprises the latest EVE Chip **BT817** and Raspberry Pi RPi2040. The 7-inch LCD resolution is **800x480**. The demo is developed in CircuitPython and showcases the features below:



- Simple and straightforward programming
- Touch detection capability
- Smooth and intuitive UI
- Excellent image quality

Inclinometer

The purpose of this project is to showcase a graphical user interface design for an inclinometer, which utilizes the latest EVE Chip **BT881** and Raspberry Pi RPi2040. It features a 2.1-inch round LCD display with a resolution of **480x480**. The demo is developed in CircuitPython and highlights the following features:

- Simple and straightforward programming
- Smooth and intuitive UI
- Round LCD display
- Cost-effective solution



Tyre Pressure Monitoring System

This project demonstrates the graphical user interface design of a tyre pressure monitoring system, based on Bridgetek display module **IDM2040-7A**, which comprises the latest EVE Chip **BT817** and Raspberry Pi RPi2040. The 7-inch LCD resolution is **800x480**. The demo is developed in CircuitPython and highlights the following features:

- Simple and straightforward programming
- Touch detection capability
- Smooth and intuitive UI

