# Manual

## 1 Introduction

This system uses the following modules for the menu

* Joystick for navigation,
* Push switch for option selecting which need more than 0.4 second
* Any other modules required in the assignment, such as RGBLCD, LED, PIR, STEPMOTOR,WIFI, TEMPERATURE MODULE

## 2 Interface

When the system booted, it will display

* "Main Interface" for 1 second,
* Then it display the interface for navigation and selecting, such as

->Main Interface

A/C Mode

When user move the joystick, new option will be shown and the option that can be selected by switch will be indicated by “->”.

* User can move the joystick left or right to navigate current menu level. It’s a cycle navigation for left or right direction which means only one direction can be used
* When any option need to be selected, push any key of switch button for more than 0.5 second to select that option. This action will change the control state of the system.

## 3 A/C mode

For A/C mode, user can select on/off option to turn on or off the control for LED which simulates air conditioner. The effect can be checked by lock the door and increase the temperature.

## 4 Auto door mode

For A/C mode, user can select on/off to turn on or off the control for door which uses PIR and step motor. It can be checked by moving near to the PIR module.

## 5 Settings for web control

When user select "Connect Device", the interface will show information about the PIN and IP of the kit and web interface which automatically scrolls left and right. At this time, user can use web interface to control the system by connecting the KIT.

If user want to return to Joystick control mode, user need to push any key of switch button to the interface.

For other options except "Back" and “Connect Device”, when selecting one option, no information will be given about the effect of the selection. It must be checked using the related module.