**User Program**

Functionality: Button program for user to setup the parameter(radius)

* Check flag
  + if select flag high
    - if it is the position is the final one
      * jump to mode 0
    - if the position is not the final one
      * right shift the cursor
  + if Up flag high
    - if position is at the beginning of the information array
      * jump to the end
      * otherwise jump to the previous position of the array
  + if Down flag high
    - if position is at the end of the information array
      * jump to the beginning
      * otherwise jump to the next position of the array
  + if Mode flag high
    - mode = mode + 1
  + if Left flag high
    - if the cursor position is at the beginning of the enable enter area
      * shift the cursor to the end
      * otherwise left shift the cursor for one place
  + if Right flag high
    - if the cursor position is at the end of the enable enter area
      * shift the cursor to the beginning
      * otherwise right shift the cursor for one place

**Select button**

Functionality: Jump to next or end enter parameter

* Check Select flag

if Select flag is high cursor right shift for one place

**Up/Down Button (parameter: length for matrix)**

Functionality: Use up or down to change option

* Check Up/Down button flag
  + if Up flag is high
    - **length for matrix** -1
    - show the information on the screen
    - set the DDRAM jump back to the current place
  + if Down flag is high
    - **length for matrix** +1
    - show the information on the screen
    - set the DDRAM jump back to the current place

**Mode/Left button**

Functionality: Go to another mode or left place on screen

* Check Mode/Left Flag
  + if Mode flag is high
    - mode = mode +1
  + if Left flag is high
    - cursor left shift for one place

if Select flag is high cursor right shift for one place

**Right button**

Functionality: Jump to next place on screen

* Check Right Flag
  + if Right flag is high
    - cursor right shift for one place