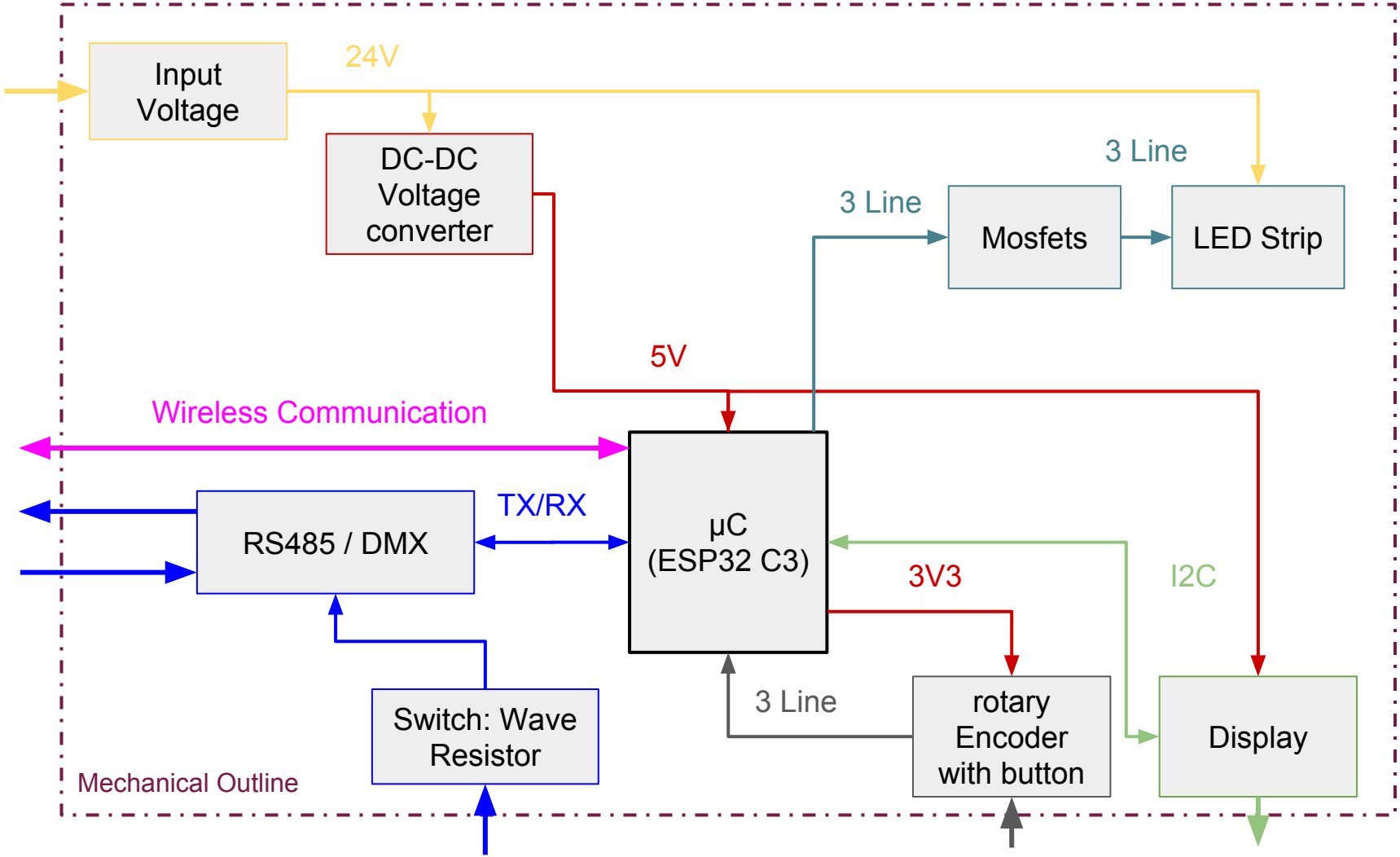
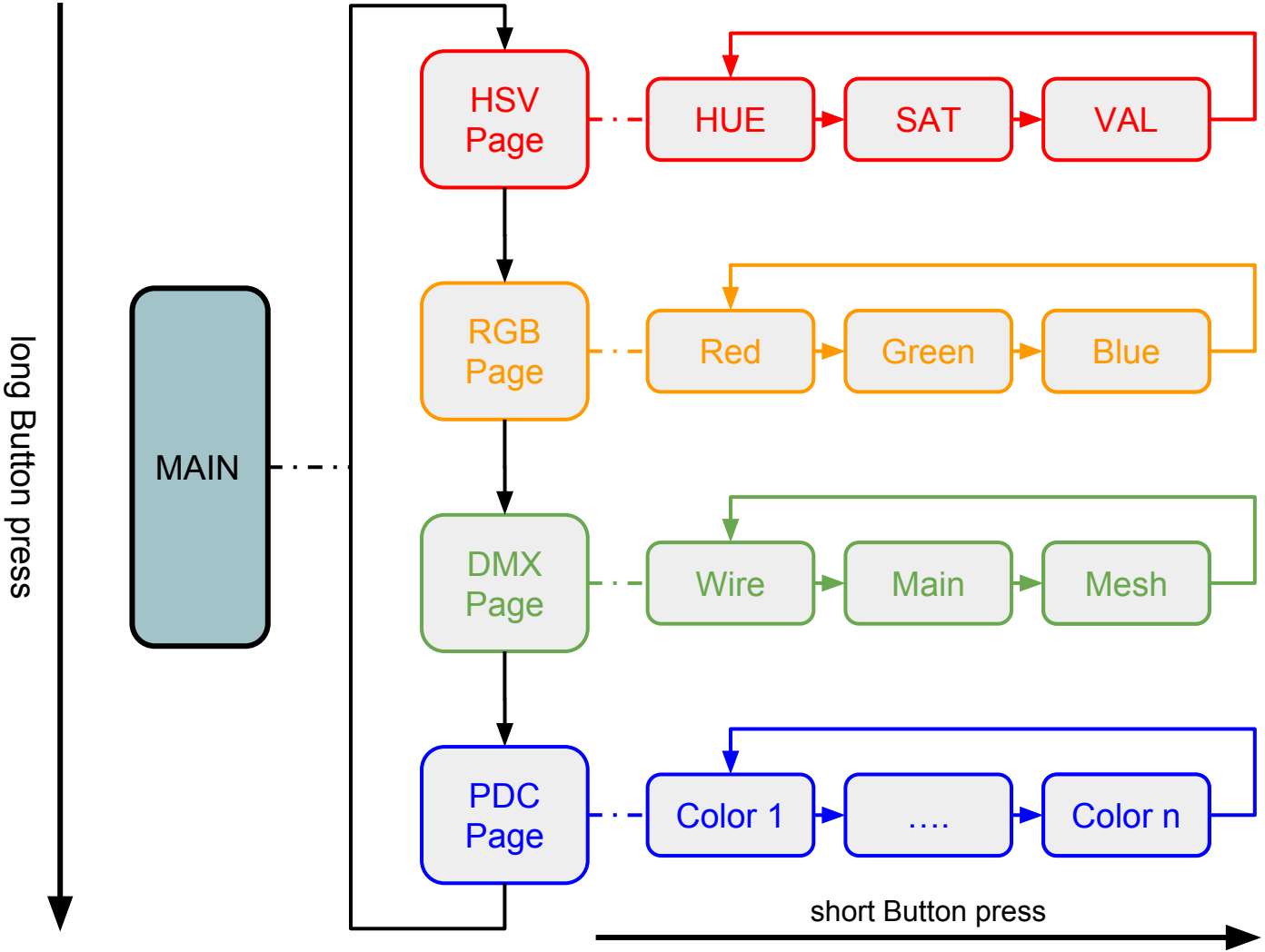
Hardware and System overview


Input Voltage
24V
DC-DC Voltage converter
3 Line
3 Line
Mosfets
LED Strip
5V
Wireless Communication
RS485 / DMX
TX/RX
µC (ESP32 C3)
3V3
I2C
3 Line
rotary Encoder with button
Display
Switch: Wave Resistor
Mechanical Outline

Software


long Button press
MAIN
HSV Page
HUE
SAT
VAL
RGB Page
Red
Green
Blue
DMX Page
Wire
Main
Mesh
PDC Page
Color 1
....
Color n
short Button press