

Standard Operating Procedure

<UsingLibrary>

```
include;
    superapi::supercore;
    superapi::supergroupbox;
    superapi::superlogger;
    superapi::superserial;
    superapi::supertab;

public;
    scannerbox public superapi::supertab;
```

<ScannerBox>

```
USB Serial Port COM61
    textactivated;
        change serial port name;

115200
    textchanged;
        display scanner' baudrate;

Get Scanner Port
    clicked;
        add system serial port to combobox;
        operate related widgets;

Connect Scanner Port
    clicked;
        use current setting connect serial port;
        operate related widgets;

Scan Scanner Port
    clicked;
        use 115200 baudrate connect all serial port;
        use scanner scan any qr;
        if one of serial port return qr value,record and display serial port name on textbrowser and lineedit;

Disconnect Scanner Port
    clicked;
        disconnect serial port;
        operate related widgets;

Open Scanner
    clicked;
        send 16540d to serial port;

Close Scanner
    clicked;
        send 16550d to serial port;

16 54 0D
    nousercontrol;
        display current command;

16 55 0D
    nousercontrol;
        display current command;

waiting for command ...
    nousercontrol;
        display last command sent;

select scanner
    textactivated;
        select scanner model;
        load this models' function,png files;
```

The diagram illustrates a slider control with three distinct states, each represented by a horizontal bar and associated text:

- no scanner function:** The top bar is light gray. Below it, the text "textactivated;" is in purple, and "select scanner function;" and "load function png files;" are in dark blue.
- valuechanged:** The middle bar is light gray with a blue rectangular slider knob positioned at approximately 81% from the left. Below it, the text "valuechanged;" is in purple, and "change picture's size;" is in dark blue.
- nousercontrol:** The bottom bar is light gray. Below it, the text "nousercontrol;" is in purple, and "display picture's scaled percent;" and "25% ~ 100%;" are in dark blue.

A vertical dashed line is positioned to the left of the "valuechanged" bar, and a horizontal dashed line is positioned below the "nousercontrol" bar.

Version Logs

<20220405 Version 1.04>

adapted to ubuntu kde x11 platform;

<20220209 Version 1.03>

```
use supertab, supergroupbox api;
```

<20211110 Version 1.02>

update scanner function display bugs;

<20211021 Version 1.01>

```
add slider function;  
add display picture's scale function;
```

<20211003 Version 1.00>

first release;