TscCommand API

Package : com.gprinter.command
Name: TscCommand.java

Reference

GP2120 series and A83I series printers resolution is 203dpi, 1mm is for 8 dots, actual print width is 56mm for 448 dots. Both hor_motion_unit and ver_motion_unit are for 1dot.

void addSize(int width, int height)

Function: set the label size
Parameter: width: label width mm
height: label height mm
Return value: None
Related command: Thermal Label Printer Program Manual SIZE

void addGap(int gap)

Function: set gap distance between two labels
Parameter: gap: gap length units mm
Return value: None
Related command: Thermal Label Printer Program Manual GAP

void addCashdrwer(FOOT m, int t1, int t2)

Function: Generate pulse
Parameter: m : Connector pin
t1: The pulse ON time is t1 x 2ms
t2: The pulse OFF time is t2 x 2ms
Return value: None
Related command: Thermal Label Printer Program Manual CASHDRAWER

void addOffset(int offset)

Function: adjust each label stop position
Parameter: offset: The offset distance units mm
Return value: None
Related command: Thermal Label Printer Program Manual OFFSET

void addSpeed(SPEED speed)

Function: set print speed
Parameter: speed: printing speed in inch per second
Return value: None
Related command: Thermal Label Printer Program Manual SPEED

void addDensity(DENSITY density)

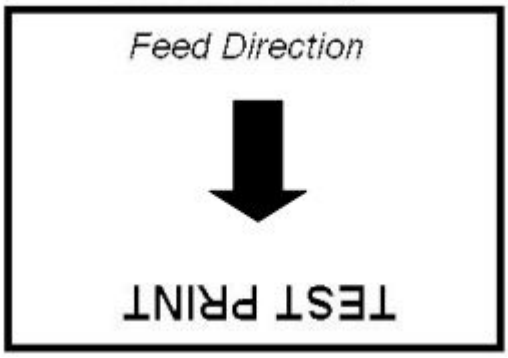
Function: set print density
Parameter: density: the level of darkness of printing
Return value: None
Related command: Thermal Label Printer Program Manual DENSITY

public void addDirection(DIRECTION direction,MIRROR mirror)

Function: set the printout direction and print mirror
Parameter: direction: **printout direction**

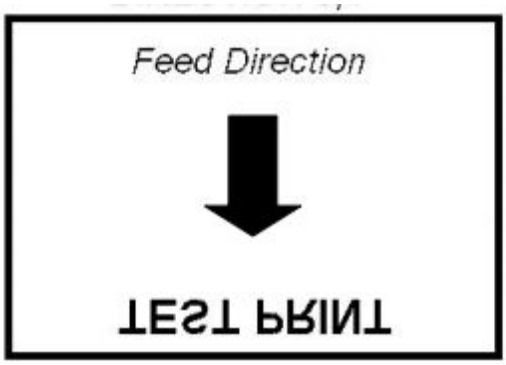
mirror: **print mirror or not**

direction:FORWARD
mirror:NORMAL



direction:BACKWORD
mirror:NORMAL

direction:FORWARD
mirror:MIRROR



direction:BACKWORD
mirror: MIRROR

Return value: None

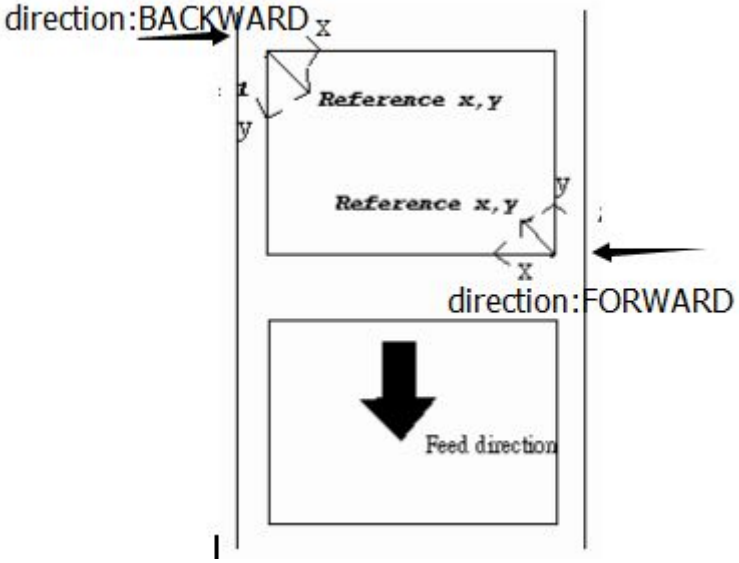
Related command: Thermal Label Printer Program Manual DIRECTION

void addReference(**int** x, **int** y)

Function: the reference point of the label. The reference (origin) point varies with the print direction

Parameter: x: Horizontal coordinate, with “dot” as the unit.

y: Vertical coordinate, with “dot” as the unit



Return value: None

Related command: Thermal Label Printer Program Manual REFERENCE

void addCls()
Function: clears the image buffer
Parameter: None
Return value: None
Related command: Thermal Label Printer Program Manual CLS

void addFeed(int dot)
Function: feed label with the specified length
Parameter: dot: The length is specified by dot
Return value: None
Related command: Thermal Label Printer Program Manual FEED

void addBackFeed(int dot)
Function: to back feed label with the specified length
Parameter: dot: The length is specified by dot
Return value: None
Related command: Thermal Label Printer Program Manual BACKFEED

void addFormFeed()
Function: feed label to the beginning of next label
Parameter: None
Return value: None
Related command: Thermal Label Printer Program Manual FORMFEED

void addHome()
Function: calibrate the label position
Parameter: None
Return value: None
Related command: Thermal Label Printer Program Manual HOME

void addPrint(int m)
Function: prints the label format stored in the image buffer
Parameter: m: Specifies how many sets of labels will be printed.
Return value: None
Related command: Thermal Label Printer Program Manual PRINT

void addCodePage(CODEPAGE page)
Function: set the code page of international character set
Parameter: page: the code page of international character set
Return value: None
Related command: Thermal Label Printer Program Manual CODEPAGE

void addSound(int level, int interval)
Function: set the sound frequency of the beeper
Parameter: level: sound volume
Interval: duration
Return value: None
Related command: Thermal Label Printer Program Manual SOUND

void addLimitFeed(int n)

Function: This command is used to stop label feeding and make the red LED flash if the printer does not locate gap after feeding the length of one label plus one preset value.
Parameter: n : label feeding length units mm
Return value: None
Related command: Thermal Label Printer Program Manual LIMITFEED

void addBar(int x, int y, int width, int height)

Function: draw a bar on the label
Parameter: x: The upper left corner x-coordinate in dot
y: The upper left corner y-coordinate in dot
width: The width of bar in dot
height: The height of bar in dot
Return value: None
Related command: Thermal Label Printer Program Manual BAR

void add1DBarcode(int x, int y, BARCODETYPE type, int height, READABEL readable, ROTATION rotation, String content)

Function: print 1D barcodes on the label.
Parameter: x: Specify the x-coordinate of the bar code on label
y: Specify the y-coordinate of the bar code on label
type: bar code type
height: bar code height expressed by dot
readable: human readable or not readable
rotation: Rotate bar code clockwise in degrees 0°、90°、180°、270°
content: 1D barcode data, according to the coding rules of the bar code
Note: default CODEB when printing CODE128, if need to print CODEA or CODEC, please refer to program manual.
Return value: None
Related command: Thermal Label Printer Program Manual BARCODE

void addBox(int x, int y, int xend, int yend)

Function: draw rectangles on the label
Parameter: x: Specify x-coordinate of upper left corner in dot
y: Specify y-coordinate of upper left corner in dot
xend: Specify x-coordinate of lower right corner in dot
yend: Specify y-coordinate of lower right corner in dot
Return value: None
Related command: Thermal Label Printer Program Manual BOX

void addBitmap(int x, int y, BITMAP_MODE mode, int nWidth，Bitmap b)

Function: draw bitmap images (Not BMP graphic file) on the label
Parameter: x: Specify the x-coordinate of the bitmap image
y: Specify the y-coordinate of the bitmap image
mode: Graphic mode
nWidth: the width of the image in bytes

b: bitmap data
Return value: None
Related command: Thermal Label Printer Program Manual BITMAP

void addErase(int x, int y, int xwidth, int yheight)

Function: remove partial area image buffer
Parameter: x: The starting point in the upper left corner of the region in horizontal direction
y: The starting point in the upper left corner of the area of vertical direction
xwidth: In addition to the regional horizontal width
yheight: In addition to the regional vertical width
Return value: None
Related command: Thermal Label Printer Program Manual ERASE

void addReverse(int x, int y, int xwidth, int yheight)

Function: reverse a region in image buffer.
Parameter: x: The x-coordinate of the starting point in dot
y: The y-coordinate of the starting point in dot
xwidth: The region width in x-axis direction in dot
yheight: The region height in y-axis direction in dot
Return value: None
Related command: Thermal Label Printer Program Manual REVERSE

void addText(int x, int y, FONTTYPE font, ROTATION rotation, FONTMUL Xscal,FONTMUL Yscal, String text)

Function: print text on the label
Parameter: x: The x-coordinate of the text
y: The y-coordinate of the text
font: Font name
enum FONTTYPE {
FONT_1("1"), 8x12 dot **Alphanumeric**
FONT_2("2"), 12x20 dot **Alphanumeric**
FONT_3("3"), 16x24 dot **Alphanumeric**
FONT_4("4"), 24x32 dot **Alphanumeric**
FONT_5("5"), 32x48 dot **Alphanumeric**
FONT_6("6"), 14x19 dot **Alphanumeric**
FONT_7("7"), 21x27 dot **Alphanumeric**
FONT_8("8"), 14x25 dot **Alphanumeric**
SIMPLIFIED_CHINESE("TSS24.BF2"), **Simplified Chinese**
TRADITIONAL_ CHINESE ("TST24.BF2"), **Traditional Chinese**
KOREAN("K"); **Korean**
}
rotation: The rotation angle of text 0°、90°、180°、270°
xscal: Horizontal multiplication, available factors: 1~10
yscal: Vertical multiplication, available factors: 1~10
text: text strings
Return value: None
Related command: Thermal Label Printer Program Manual TEXT

void addQRCode(int x, int y,EEC level, int cellwidth ,ROTATION rotation,String data){

Function: print QRcode on the label
Parameter: x: The x-coordinate of the starting point
y: The y-coordinate of the starting point
level: Error correction level
cellwidth: Size of the module for QR Code
rotation: Rotate QR code clockwise in degrees 0°、90°、180°、270°
data: text strings
Return value: None
Related command: Thermal Label Printer Program Manual QRCODE

public void addPeel(ENABLE enable)

Function: Set to enable/disable the self-peeling function. It depends on the printer model; the default setting for this function is off.
Parameter: enable
Return value: None
Related command: Thermal Label Printer Program Manual SET PEEL

void addTear(ENABLE enable)

Function: set to enable/disable feeding label to gap/black mark position for tearing off, the default setting for this function is on.
Parameter: enable
Return value: None
Related command: Thermal Label Printer Program Manual SET TEAR

void addCut(ENABLE enable)

Function: Set to enable/disable the paper cutting function, It depends on the printer model;
Parameter: enable
Return value: None
Related command: Thermal Label Printer Program Manual SET CUT

void addReprint (ENABLE enable) {

Function: set to disable/enable reprint the label when the “no paper” or “no ribbon” or “carriage open” error is occurred**.**
Parameter: enable
Return value: None
Related command: Thermal Label Printer Program Manual SET REPRINT

void addPrintKey(ENABLE enable) {

Function: Press FEED button to print the next label or batch of labels.
Parameter: enable
Return value: None
Related command: Thermal Label Printer Program Manual SET PRINTKEY

void addPrintKey(int m) {

Function: Press FEED button to print the next label or batch of labels.

Parameter: m: Numbers of labels will be printed if FEED button is pressed
Return value: None
Related command: Thermal Label Printer Program Manual SET PRINTKEY

void addUserCommand(String command)

Function: add user-defined command
Parameter: command: user-defined data
Return value: None
Related command: Thermal Label Printer Program Manual
For example: feed one label, according to command FORMFEED from Thermal Label Printer Program Manual
Then:

```
TscCommand tsc = new TscCommand();
String command = “FORMFEED \r\n”;
tsc.addUserCommand(command);
```