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1.Enum

1.1 PTTSCPrintSpeed

Code

```
typedef NS_ENUM(NSUInteger, PTTSCPrintSpeed) {
   PTTSCPrintSpeed1
                        = 1,
   PTTSCPrintSpeed2
                         = 2,
                         = 3,
   PTTSCPrintSpeed3
   PTTSCPrintSpeed4
                         = 4,
   PTTSCPrintSpeed5
                        = 5,
   PTTSCPrintSpeed6
                         = 6,
   PTTSCPrintSpeed10
                        = 10,
                        = 12
   PTTSCPrintSpeed12
};
```

1.2 PTTSCPrintDensity

```
typedef NS_ENUM(NSUInteger, PTTSCPrintDensity) {
  PTTSCPrintDensity0 = 0,
  PTTSCPrintDensity1 = 1,
  PTTSCPrintDensity2 = 2,
```

```
PTTSCPrintDensity3
                             = 3,
    PTTSCPrintDensity4
                             = 4,
    PTTSCPrintDensity5
                            = 5,
                            = 6, ///< default
    PTTSCPrintDensity6
    PTTSCPrintDensity7
                             = 7,
    PTTSCPrintDensity8
                            = 8,
   PTTSCPrintDensity9
                            = 9,
    PTTSCPrintDensity10
                            = 10,
    PTTSCPrintDensity11
                            = 11,
    PTTSCPrintDensity12
                           = 12,
    PTTSCPrintDensity13
                           = 13,
    PTTSCPrintDensity14
                            = 14,
    PTTSCPrintDensity15
                            = 15
};
```

1.3 PTTSCPrintDirection

Code

```
typedef NS_ENUM(NSUInteger, PTTSCPrintDirection) {
   PTTSCPrintDirectionNormal = 0,
   PTTSCPrintDirectionReverse = 1
};
```

• Specification

Enum Name	Enum Value	Description
PTTSCPrintDirectionNormal	0	normal
PTTSCPrintDirectionReverse	1	Reverse

1.4 PTTSCPrintStyle

Code

```
typedef NS_ENUM(NSUInteger, PTTSCPrintStyle) {
    PTTSCPrintStyleNormal = 0,
    PTTSCPrintStyleMirror = 1
};
```

Specification

Enum Name	Enum Value	Description
PTTSCPrintStyleNormal	0	normal
PTTSCPrintStyleMirror	1	Mirror

1.5 PTTSCCharacterStyle

Code

```
typedef NS_ENUM(NSUInteger, PTTSCCharacterStyle) {
    PTTSCCharacterStyleUSA
    PTTSCCharacterStyleBritish,
    PTTSCCharacterStyleGerman,
    PTTSCCharacterStyleFrench,
    PTTSCCharacterStyleDanish,
    PTTSCCharacterStyleItalian,
    PTTSCCharacterStyleSpanish,
    PTTSCCharacterStyleSwedish,
    PTTSCCharacterStyleSwiss,
    PTTSCCharacterStyleUnitedStates,
    PTTSCCharacterStyleMultilingual,
    PTTSCCharacterStyleSlavic,
    PTTSCCharacterStylePortuguese,
    PTTSCCharacterStyleCanadianOrFrench,
    PTTSCCharacterStyleNordic,
    PTTSCCharacterStyleTurkish,
    PTTSCCharacterStyleWindowsCentralEurope,
    PTTSCCharacterStyleWindowsLatin,
    PTTSCCharacterStyleWindowsGreek,
    PTTSCCharacterStyleWindowsTurkish
};
```

1.6 PTTSCBarcodeStyle

```
typedef NS_ENUM(NSUInteger, PTTSCBarcodeStyle) {
   PTTSCBarcodeStyle128 = 0,
   PTTSCBarcodeStyle128M,
   PTTSCBarcodeStyleEAN128,
   PTTSCBarcodeStyle25,
   PTTSCBarcodeStyle25C,
   PTTSCBarcodeStyle39,
   PTTSCBarcodeStyle39C,
   PTTSCBarcodeStyle93,
   PTTSCBarcodeStyleEAN13,
   PTTSCBarcodeStyleEAN13,
```

```
PTTSCBarcodeStyleEAN135,
    PTTSCBarcodeStyleEAN8,
    PTTSCBarcodeStyleEAN82,
    PTTSCBarcodeStyleEAN85,
    PTTSCBarcodeStyleCODA,
    PTTSCBarcodeStylePOST,
    PTTSCBarcodeStyleUPCA,
    PTTSCBarcodeStyleUPCA2,
    PTTSCBarcodeStyleUPCA5,
    PTTSCBarcodeStyleUPCE,
    PTTSCBarcodeStyleUPCE2,
    PTTSCBarcodeStyleUPCE5,
    PTTSCBarcodeStyleCPOST,
    PTTSCBarcodeStyleMSI,
    PTTSCBarcodeStyleMSIC,
    PTTSCBarcodeStylePLESSY,
    PTTSCBarcodeStyleITF14,
    PTTSCBarcodeStyleEAN14,
    PTTSCBarcodeStyle11
};
```

1.7 PTTSCBarcodeReadbleStyle

Code

```
typedef NS_ENUM(NSUInteger, PTTSCBarcodeReadbleStyle) {
   PTTSCBarcodeReadbleStyleNot = 0,
   PTTSCBarcodeReadbleStyleHuman
};
```

Specification

Enum Name	Enum Value	Description
PTTSCBarcodeReadbleStyleNot	0	not
PTTSCBarcodeReadbleStyleHuman		human

1.8 PTTSCStyleRotation

```
typedef NS_ENUM(NSUInteger, PTTSCStyleRotation) {

PTTSCStyleRotation0 = 0,
PTTSCStyleRotation90 = 90,
PTTSCStyleRotation180 = 180,
PTTSCStyleRotation270 = 270
};
```

Specification

Enum Name	Enum Value	Description
PTTSCStyleRotation0	0	normal
PTTSCStyleRotation90	90	rotate 90 degrees (clockwise)
PTTSCStyleRotation180	180	inverted 180 degrees
PTTSCStyleRotation270	270	read from bottom up, 270 degrees

1.9 PTTSCBarcodeRatio

Code

1.10 PTTSCQRcodeEcclevel

Code

```
typedef NS_ENUM(UInt8, PTTSCQRcodeEcclevel) {

PTTSCQRcodeEcclevelL = 'L',

PTTSCQRcodeEcclevelM = 'M',

PTTSCQRcodeEcclevelQ = 'Q',

PTTSCQRcodeEcclevelH = 'H'
};
```

Specification

Enum Name	Enum Value	Description
PTTSCQRcodeEcclevelL	'L'	high density level level
PTTSCQRcodeEcclevelM	'M'	standard level
PTTSCQRcodeEcclevelQ	'Q'	high reliability level
PTTSCQRcodeEcclevelH	'H'	ultra-high reliability level

1.11 PTTSCQRcodeWidth

Code

```
typedef NS_ENUM(NSUInteger, PTTSCQRcodewidth) {
    PTTSCQRcodewidth1 = 1,
    PTTSCQRcodewidth2,
    PTTSCQRcodewidth3,
    PTTSCQRcodewidth4,
    PTTSCQRcodewidth5,
    PTTSCQRcodewidth6,
    PTTSCQRcodewidth7,
    PTTSCQRcodewidth8,
    PTTSCQRcodewidth9,
    PTTSCQRcodewidth10
};
```

1.12 PTTSCQRCodeMode

Code

```
typedef NS_ENUM(UInt8, PTTSCQRCodeMode) {
   PTTSCQRCodeModeAuto = 'A',

   PTTSCQRCodeModeManual = 'M'
};
```

• Specification

Enum Name	Enum Value	Description
PTTSCQRCodeModeAuto	'A',	auto
PTTSCQRCodeModeManual	'M'	Manual

1.13 PTTSCQRCodeModel

Code

```
typedef NS_ENUM(NSUInteger, PTTSCQRCodeModel) {
   PTTSCQRCodeModelM1 = 0,
   PTTSCQRCodeModelM2 = 1
};
```

Specification

Enum Name	Enum Value	Description
PTTSCQRCodeModelM1	0	(default), original version
PTTSCQRCodeModelM2	1	enhanced version

1.14 PTTSCQRcodeMask

Code

```
typedef NS_ENUM(NSUInteger, PTTSCQRcodeMask) {
    PTTSCQRcodeMaskS0 = 1,
    PTTSCQRcodeMaskS1,
    PTTSCQRcodeMaskS2,
    PTTSCQRcodeMaskS3,
    PTTSCQRcodeMaskS4,
    PTTSCQRcodeMaskS5,
    PTTSCQRcodeMaskS6,
    PTTSCQRcodeMaskS7,
    PTTSCQRcodeMaskS7,
    PTTSCQRcodeMaskS8
};
```

1.15 PTTSCBitmapMode

Specification

Enum Name	Enum Value	Description
PTTSCBitmapModeCompress	3	Compatible with old models,New firmware has been deprecated

1.16 PTTSCTextVectorFontStyle

Code

```
typedef NS_ENUM(NSUInteger, PTTSCTextVectorFontStyle) {
                               = 0, ///< 8x12, not adjuset
   PTTSCTextVectorFontStyle0
   PTTSCTextVectorFontStyle1,
                                        ///< 8x12
   PTTSCTextVectorFontStyle2,
                                        ///< 12x20
   PTTSCTextVectorFontStyle3,
                                        ///< 16x24
                                       ///< 24x32
   PTTSCTextVectorFontStyle4,
   PTTSCTextVectorFontStyle5,
                                       ///< 32x48
                                       ///< 14x19
   PTTSCTextVectorFontStyle6,
   PTTSCTextVectorFontStyle7,
                                        ///< 21x27
   PTTSCTextVectorFontStyle8,
                                       ///< 14x25
   PTTSCTextVectorFontStyle9
                                        ///< vector font, for chinese
```

1.17 PTTSCTextFontStyle

• Code

```
typedef NS_ENUM(NSUInteger, PTTSCTextFontStyle) {
   PTTSCTextFontStyle0 = 0, ///< chinese:24x24 english:12x24
   PTTSCTextFontStyle1, ///< chinese:16x16 english:8x16
};</pre>
```

1.18 PTTSCDMATRIXSize

Code

```
typedef NS_ENUM(UInt8, PTTSCDMATRIXSize) {
   PTTSCDMATRIXSizeX6 = 0,
   PTTSCDMATRIXSizeX8
};
```

2.Property

2.1 cmdData

• Code

```
@property(strong,nonatomic,readwrite) NSMutableData *cmdData;
```

Specification

Data sent to the printer.

2.2 encoding

Code

```
@property (nonatomic, assign) NSStringEncoding encoding;
```

Specification

encode, default is GBK.

3.Method

3.1 View Printer Message

• Description

printer Print self-test message.

```
- (void)selfTest;
```

3.2 Append Command

• Description

append command.

Paramater

Paramater	Description
cmd	command text. encode with encoding property.

Code

- (void)appendCommand:(NSString *)cmd;

3.3 Set Print Area

• Description

This command defines the label width and length(mm).1mm == 8 dot

Paramater

Paramater	Description
label_width	Label width
label_height	Label length

Code

3.4 Set Label Distance

• Description

This command sets the distance between two labels(mm).

Paramater

Paramater	Description
distance	The gap distance between two labels,0 ≤ distance ≤ 25.4 (mm)
offset	The offset distance of the gap offset ≤ label length (mm)

3.5 Bline

Description

This command sets the height of the black line and the user-defined extra label feeding length each form feed takes(mm).(height,offset is 0,0 : Continuous label)

Paramater

Paramater	Description
height	The height of black line either in mm. $0 \le m \le 25.4$ (mm)
offset	The extra label feeding length. 0 ≤ offset ≤ label length

Code

3.6 Offset Length

• Description

This command defines the selective, extra label feeding length(mm).

Paramater

Paramater	Description
distance	The offset distance,0 ≤ distance ≤ 25.4 (mm)

Code

- (void)setOffsetWithDistance:(NSInteger)distance;

3.7 Form Feed

Description

This command feeds label to the beginning of next label.

Code

- (void)feedToNextLabel;

3.8 Feed Length

• Description

This command feeds label with the specified length.

Paramater

Paramater	Description
length	The length is specified by dot. 1 ≤ length ≤ 9999

Code

- (void)setFeedLength:(NSInteger)length;

3.9 Print Speed

• Description

This command defines the print speed.

Paramater

Paramater	Description
speed	Printing speed in inch per second

Code

- (void)setPrintSpeed:(PTTSCPrintSpeed)speed;

3.10 Print Density

Description

This command sets the printing darkness.

Paramater

Paramater	Description
density	0: specifies the lightest level,15: specifies the darkest level

Code

(void)setPrintDensity:(PTTSCPrintDensity)density;

3.11 Print Direction And Mirror

• Description

This command defines the printout direction and mirror image.

Paramater

Paramater	Description
direction	normal or reverse
mirror	normal or mirror

Code

- (void)setPrintDirection:(PTTSCPrintDirection)direction mirror: (PTTSCPrintStyle)mirror;

3.12 Set Label Reference Point

• Description

This command defines the reference point of the label.

Paramater

Paramater	Description
x_pos	Horizontal coordinate (in dots)
y_pos	Vertical coordinate (in dots)

Code

3.13 International Character Set

• Description

This command defines the code page of international character set.

Paramater

Paramater	Description
codepage	Name or number of code page

- (void)setCodePage:(PTTSCCharacterStyle)codepage;

3.14 Clear Buffer

• Description

This command clears the image buffer.

Code

- (void)setCLS;

3.15 Feeds Label In Reverse

• Description

This command feeds the label in reverse. The length is specified by dot.

Paramater

Paramater	Description
distance	unit: dot,(1,9999)

Code

- (void)setBackFeed:(NSInteger)distance;

3.16 Feeds Label In Reverse

• Description

This command feeds the label in reverse. The length is specified by dot.

Paramater

Paramater	Description
distance	unit: dot,(1,9999)

Code

(void)setBackUP:(NSInteger)distance;

3.17 Feed label until the internal sensor has determined the origin

• Description

This command will feed label until the internal sensor has determined the origin.

Code

- (void)setHome;

3.18 Begin Print, Set Print Copies

Description

This command prints the label format currently stored in the image buffer.

Paramater

Paramater	Description
sets	Specifies how many sets of labels will be printed.
copies	Specifies how many copies should be printed for each particular label set.

Code

- (void)printWithSets:(NSInteger)sets copies:(NSInteger)copies;

3.19 Control Frequency

Description

This command controls the sound frequency of the beeper. There are 10 levels of sounds.

Paramater

Paramater	Description
level	Sound level: 0~9
interval	Sound interval: 1~4095

Code

- (void)setSoundWithLevel:(NSInteger)level interval:(NSInteger)interval;

3.20 Set Cutter

• Description

This command activates the cutter to immediately cut the labels without back feeding the label.

Code

- (void)setCut;

3.21 Set Feed Length

Description

If the gap sensor is not set to a suitable sensitivity while feeding labels, the printer will not be able to locate the correct position of the gap.

Paramater

Paramater	Description
max_len	The maximum length for sensor detecting.

Code

- (void)setLimitFeed:(NSInteger)max_len;

3.22 Font Bold

• Description

Set font bold.

Paramater

Paramater	Description
bold	true:bold false:not bold

Code

- (void)setFontBold:(BOOL)bold;

3.23 Draws Bar

• Description

This command draws a bar on the label format.

Paramater	Description
x_pos	The upper left corner x-coordinate (in dots)
y_pos	The upper left corner y-coordinate (in dots)
width	Bar width (in dots)
height	Bar height (in dots)

- (void)drawBarWithXPos:(NSInteger)x_pos

yPos:(NSInteger)y_pos
width:(NSInteger)width
height:(NSInteger)height;

3.24 1D Barcodes

• Description

This command prints 1D barcodes.

Paramater

Paramater	Description
x_pos	Specify the x-coordinate of the bar code on the label
y_pos	Specify the y-coordinate of the bar code on the label
type	code type
height	Bar code height (in dots)
readable	0: not readable 1: human readable
rotation	Rotation
ratio	The ratio of wide to narrow bars
context	The maximum number of digits of bar code content

• Code

- (void)printBarcodeWithXPos:(NSInteger)x_pos

yPos:(NSInteger)y_pos

type:(PTTSCBarcodeStyle)type

height:(NSInteger)height

readable:(PTTSCBarcodeReadbleStyle)readable

rotation:(PTTSCStyleRotation)rotation
ratio:(PTTSCBarcodeRatio)ratio

context:(NSString *)context;

3.25 QR Code

• Description

This command prints QR code.

Paramater

Paramater	Description
x_pos	Specify the x-coordinate of the qr code on the label
y_pos	Specify the y-coordinate of the qr code on the label
ecc_level	Error correction recovery level
width	cell width
mode	mode
rotation	Rotation
model	model
mask	mask
context	qrcode context

Code

- (void)printQRcodeWithXPos:(NSInteger)x_pos

yPos:(NSInteger)y_pos

eccLevel:(PTTSCQRcodeEcclevel)ecc_level

cellwidth: (PTTSCQRcodeWidth)width

mode:(PTTSCQRCodeMode)mode

rotation:(PTTSCStyleRotation)rotation

model:(PTTSCQRCodeModel)model
 mask:(PTTSCQRcodeMask)mask
context:(NSString *)context;

3.26 Print Bitmap

• Description

Print Bitmap.

Paramater

Paramater	Description
xpos	Specify the x-coordinate
ypos	Specify the y-coordinate
mode	Graphic modes
image	Image
bitmapMode	Bitmap mpde:binary/dithering
compress	Compress mode:TIFF/ZPL2/LZO/None

Code

- (BOOL)addBitmapWithXPos:(NSInteger)xpos

yPos:(NSInteger)ypos

mode:(PTTSCBitmapMode)mode
image:(CGImageRef)image

bitmapMode:(PTBitmapMode)bitmapMode

compress:(PTBitmapCompressMode)compress;

3.27 Print Text(Matrix Fonts)

• Description

Print Text(Printer for dot matrix font).

Paramater	Description
x_pos	Specify the x-coordinate
y_pos	Specify the y-coordinate
font	Font type
rotation	Rotation
x_multiplication	Horizontal multiplication,up to 10x
y_multiplication	Vertical multiplication,up to 10x
text	print context

• Code

- (void)appendTextWithXpos:(NSInteger)x_pos

yPos:(NSInteger)y_pos

font:(PTTSCTextFontStyle)font

rotation:(PTTSCStyleRotation)rotation

xMultiplication:(NSInteger)x_multiplication

yMultiplication:(NSInteger)y_multiplication

text:(NSString *)text;

3.28 Print Word Wrap Text(Matrix Fonts)

• Description

Print word wrap text(Printer for dot matrix font).

Paramater	Description
x_pos	Specify the x-coordinate
y_pos	Specify the y-coordinate
font	Font type
rotation	Rotation
x_multiplication	Horizontal multiplication,up to 10x
y_multiplication	Vertical multiplication,up to 10x
safeHeight	Height of text field.Part will not print more than height
width	width of text field.if width is 0,not auto line
lineSpacing	line space.
text	print context

• Code

- (NSInteger)printAutoTextWithXpos:(NSInteger)x_pos

yPos:(NSInteger)y_pos

font:(PTTSCTextFontStyle)font

rotation:(PTTSCStyleRotation)rotation

xMultiplication:(NSInteger)x_multiplication

 $y \\ Multiplication: (NSInteger) \\ y \\ _multiplication$

safeHeight:(NSInteger)safeHeight

width:(NSInteger)width

lineSpacing:(NSInteger)lineSpacing

text:(NSString *)text;

3.29 Print Text

• Description

Print Text(Printer for vector fonts and dot fonts).

Paramater	Description
x_pos	Specify the x-coordinate
y_pos	Specify the y-coordinate
font	Font type
rotation	Rotation
x_multiplication	Horizontal font size,If the type is 9, said the font size, or said is magnification
y_multiplication	Vertical font size, If the type is 9, said the font size, or said is magnification
text	print context

• Code

- (void)appendTextForVectorWithXpos:(NSInteger)x_pos

yPos:(NSInteger)y_pos

font:(PTTSCTextVectorFontStyle)font
rotation:(PTTSCStyleRotation)rotation

xMultiplication: (NSInteger)x_multiplication

yMultiplication:(NSInteger)y_multiplication

text:(NSString *)text;

3.30 Print Word Wrap Text(Vector Fonts)

• Description

Print word wrap text(Printer for vector fonts and dot fonts).

Paramater	Description
x_pos	Specify the x-coordinate
y_pos	Specify the y-coordinate
font	Font type
rotation	Rotation
x_multiplication	Horizontal font size,If the type is 9, said the font size, or said is magnification
y_multiplication	Vertical font size,If the type is 9, said the font size, or said is magnification
safeHeight	Height of text field.Part will not print more than height
width	width of text field.if width is 0,not auto line
lineSpacing	line space.
text	print context

- (NSInteger)printAutoTextForVectorWithXpos:(NSInteger)x_pos

yPos:(NSInteger)y_pos

 $font: ({\tt PTTSCTextVectorFontStyle}) font$

 $rotation: ({\tt PTTSCStyleRotation}) \ rotation$

 $x \\ \textbf{Multiplication:} (\textbf{NSInteger}) \\ \textbf{x_multiplication}$

safeHeight: (NSInteger) safeHeight
 width: (NSInteger) width

lineSpacing:(NSInteger)lineSpacing

text:(NSString *)text;

3.31 Reverses

• Description

This command reverses a region in image buffer.

Paramater	Description
x_start	The x-coordinate of the starting point (in dots)
y_start	The y-coordinate of the starting point (in dots)
x_width	X-axis region width (in dots)
y_height	Y-axis region height (in dots)

3.32 Draws Rectangles

• Description

This command draws rectangles on the label.

Paramater

Paramater	Description
x_start	Specify x-coordinate of upper left corner (in dots)
y_start	Specify y-coordinate of upper left corner (in dots)
x_end	Specify x-coordinate of lower right corner (in dots)
y_end	Specify y-coordinate of lower right corner (in dots)
thickness	Line thickness (in dots)

Code

3.33 Draw Ellipse

• Description

Draw an ellipse on the label.

Paramater	Description
x_start	Specify x-coordinate of upper left corner (in dots)
y_start	Specify y-coordinate of upper left corner (in dots)
width	Specify the width of the ellipse (in dots)
height	Specify the height of the ellipse (in dots)
thickness	Thickness of the ellipse (in dots)

3.34 Draw Circle

Description

This command draws a circle on the label.

Paramater

Paramater	Description
x_start	Specify x-coordinate of upper left corner (in dots)
y_start	Specify y-coordinate of upper left corner (in dots)
diameter	Specify the diameter of the circle (in dots)
thickness	Thickness of the circle (in dots)

Code

3.35 Clear Specified BBuffer

• Description

This command clears a specified region in the image buffer.

Paramater

Paramater	Description
x_start	The x-coordinate of the starting point (in dots)
y_start	The x-coordinate of the starting point (in dots)
x_width	The region width in x-axis direction (in dots)
y_height	The region height in y-axis direction (in dots)

Code

- (void)setEraseWithXStart:(NSInteger)x_start

yStart:(NSInteger)y_start
xWidth:(NSInteger)x_width
yHeight:(NSInteger)y_height;

3.36 DataMatrix 2D Barcode

• Description

This command is used to define the DataMatrix 2D bar code.

Paramater

Paramater	Description
x_pos	Specify the x-coordinate of the bar code on the label
y_pos	Specify the y-coordinate of the bar code on the label
width	The expected width of barcode area (in dots)
height	The expected height of barcode area (in dots)
xm	Module size (in dots)
row	Symbol size of row: 10 to 144
col	Symbol size of col: 10 to 144
expresssion	Barcode content

- (void)drawDmatrixBarcodeWithXPos:(NSInteger)x_pos

yPos:(NSInteger)y_pos
width:(NSInteger)width
height:(NSInteger)height

xm:(PTTSCDMATRIXSize)xm

row:(NSInteger)row
col:(NSInteger)col

expression:(NSString *)expresssion;

3.37 PDF417 Barcode

Description

This command defines a PDF417 2D barcode.

Paramater

Paramater	Description
x_pos	Specify the x-coordinate of the bar code on the label
y_pos	Specify the y-coordinate of the bar code on the label
width	The expected width of barcode area (in dots)
height	The expected height of barcode area (in dots)
rotate	Rotation counterclockwise.
option	Details are given in the documentation
expresssion	Barcode content

Code

- (void)printPDF417WithXPos:(NSInteger)x_pos

yPos:(NSInteger)y_pos
width:(NSInteger)width
height:(NSInteger)height

rotate:(PTTSCStyleRotation)rotate

option:(NSString *)option
expression:(NSString *)expression;

3.38 AZTEC Barcode

Description

This command defines a AZTEC 2D barcode.

Paramater	Description
xPos	Specify the x-coordinate of the bar code on the label
yPos	Specify the y-coordinate of the bar code on the label
rotate	Rotation
size	Element module size (1 to 20), default is 6
еср	Error control (& symbol size/type) parameter
flg	0 : input message is straight bytes 1:input uses
menu	Menu symbol (0 : no, 1 : yes), default is 0
multi	Number of symbols (1 to 26), default is 6
rev	Output to be reversed (0 : no, 1 : yes), default is 0
aztecData	Barcode content

- (void)printAztecWithXPos:(NSInteger)xPos

yPos:(NSInteger)yPos

 $\verb"rotate:(PTTSCStyleRotation)" rotate"$

size:(NSInteger)size
ecp:(NSInteger)ecp
flg:(NSInteger)flg
menu:(NSInteger)menu
multi:(NSInteger)multi
rev:(NSInteger)rev

aztecData:(NSString *)aztecData;

3.39 BMP Format Image

• Description

This command prints BMP format images.

• Paramater

Paramater	Description
filename	The downloaded BMP filename.
x_pos	The x-coordinate of the BMP format image
y_pos	The y-coordinate of the BMP format image

- (void)printBMPWithFilename:(NSString *)filename

xPos:(NSInteger)x_pos
yPos:(NSInteger)y_pos;

3.40 PCX Format Image

• Description

This command prints PCX format images.

Paramater

Paramater	Description
filename	The downloaded PCX filename.
x_pos	The x-coordinate of the PCX format image
y_pos	The y-coordinate of the PCX format image

Code

- (void)printPCXWithFilename:(NSString *)filename

xPos:(NSInteger)x_pos
yPos:(NSInteger)y_pos;

3.41 Set The Counter

• Description

Counters can be a real counter or a variable. This setting sets the counter number in the program and its increments.

Paramater

Paramater	Description
counterNumber	counter number. There are 51 counters available (@0~@50) in the printer.
step	The increment of the counter, can be positive or negative. (-99999999 ~ 99999999)

Code

3.42 Cutter Status

Description

This setting activates or deactivates the cutter.

Paramater

Paramater	Description
status	true:Set printer to cut label at the end of printing job false: Disable cutter function

Code

- (void)setCutterStatus:(BOOL)status;

3.43 Number Of Cut

Description

Set number of printing labels per cut.

Paramater

Paramater	Description
pieces	0 ~ 65535

Code

- (void)setCutterPieces:(NSInteger)pieces;

3.44 Set continuous paper

• Description

Set continuous paper.

Code

- (void)setReceiptPaper;

3.45 Set label paper

• Description

Set label paper.

- (void)setLabelPaper;

3.46 Set black mark paper

- Description
 - Set black mark paper
- Code
 - (void)setBlackMarkPaper;