

Document: #HT000136

Document Title: Print Accurate Time Stamps in LabelView

Product(s): Ti-1000Z

Overview:

Generally, LabelView will print date stamps perfectly. When it gets to time stamps some problems may arise. Even when setting LabelView to use the printers Real Time Clock (RTC), you may still see that the time is off, or does not change from bag to bag. Especially if you're using Reprint.

This How To shows the setup for accurate time stamps for labels. It is assumed that the printer has already been set up.

See ZPLII Programming guide Volume One and Volume Two for more in-depth information of the codes used in this HOW TO.

The programming guides are available for download at the Zebra web site.

Procedure:

Positioning the date/time stamp

At some point you will have to manually set up the position of the date/time stamp. When doing that, you set the position in pixels. This is done with the ^FO command. It can look like this: ^FO50,50. In this case the field will start at 50 pixels to the right of the left margin, and 50 pixels down from the top.

In a label, position 0,0 is the upper right corner of the label. On our printers, the ribbon is 4" wide, so a label is also typically 4" wide.

On a 203dpi printer, that means the label is 812 pixels wide.

On a 305dpi printer, the label is 1220 pixels wide.

You will have to adjust these numbers in the ^FO command until the date/time stamp is where you need it to be.

Font and font size

The font and font size will keep its settings from the previous field, or from the settings in the label itself. If those settings do not work for you, you must set them manually with the ^A code.

Available fonts are 0 through 9, and A through Z. See the ^A and ^A@ command in the ZPLII Programming Guide Volume One for more in-depth settings.

LabelView Setup

Open your label.

Click Printer Setup



Click the Advanced tab.

Printer settings - Zebra 110Xi4 (300dpi)	×
General Advanced Environment Fonts Layout	
Print speed (Inches)/s	
.0 Temperature	
180° rotation Paper feed mode	_
Rewind	~
	I
Flip (transparent media)	I
Cut after batch	I
0 Pages printed between pauses/cuts	I
Images	
Reload images at next print job	
DRAM V Destination memory	
Download images to buffer memory	
Image format	
Binary Datas : No Compression 🗸	
Set date/time Network settings	
0 Change the RTC time accuracy tolerance value (seconds)	
	I
Uisable sending printer setting commands	I
OK Cancel	<u>H</u> elp

Click Initialization sequence:

Printer settings - Zebra 110Xi4 (300dpi)	×
General Advanced Environment Fonts Layout	
0.000 Adjust label shift value(Inches) 0.000 Adjust vertical origin(Inches) 0 Country code 10 Timeout(s) 0 Maximum number of images Activate bidirectional communication for RF label reading Black/white reversed Do not reverse overlayed lines or rectangles Use font name for downloaded font output Allow Unicode characters for downloaded fonts Disable sending the Label Home (^LH) con Disable sending the Label Top (^LT) command Disable sending the Label Shift (^LS) command Create template in download format using ^FN command Recall downloaded format using ^FN command	Print mode ● Thermal transfer ● Direct thermal Print mode ● Thermal transfer ● Direct thermal Print mode ● Thermal transfer ● Direct thermal ● Dir
	OK Cancel <u>H</u> elp

Type or paste the following sequence into the field indicated:

>>2D ^SL1.1^FS^FC%^A0N,65,66^FO50,50^FV%m/%d/%y %I:%M:%S^FS

Printer settings - Zebra 110Xi4 (300dpi)	×
General Advanced Environment Fonts Layout	
0.000 ▲ Adjust label shift value(Inches) 0.000 ▲ Adjust vertical origin(Inches) 0 ▲ Country code 10 ▲ Country code	Paper calibration Print mode Thermal transfer Direct thermal
10 Imeout(s) 0 Maximum number of images Activate bidirectional communication for FF label reading Black/white reversed Do not reverse overlayed lines or rectangles Use font name for downloaded font ortput Allow Unicode characters for downloaded fonts Disable sending the print width command Disable sending the Label Home (* LH) con Disable sending the Label Top (* H) command Disable sending the Label Shift (*LS) command Create template in download firmat using ^FN command Recall downloaded format using ^FN command Initialization sequence: (*S^FC%^A0N,65,66^FO160,50^FV%m/%d/%y %I: %M: %	 Reverse overlayed objects Send modified data only Check printer status ~ = DLE, ^=RS ✓ Use Download Format Command
	OK Cancel <u>H</u> elp

The individual expressions in the sequence are described below:

Expression	Description
>>2D	Insert the following commands at the start of each page of
	printing. There needs to be an open space after 2D.
^SL1.1	Read RTC at the time the printer is about to print.
^FS	Field Separator
^FC%	Set % to be the primary clock indicator character. This
	defaults to %, but can be any ASCII character.
^A0N,65,66	Set the printer font to Font 0, Normal orientation, Height 65
	pixels, Width 66 pixels. This can be set to anything.
^FO160,50	Positions this field at 50 pixels horizontal, 50 pixels vertical.
	When changing, make sure to fit within label boundaries.
^FV	Field Value
%m	Month number (01 to 12)
/	separator character. Can be anything.
%d	day of the month (01 to 31)
/	separator character. Can be anything.
%у	two-digit year number. If you want full year, use Y.
%I	hour (01 to 12)
:	separator character. Can be anything.
%M	minutes (00 to 59)
:	separator character. Can be anything.
%S	seconds (00 to 59)
^FS	Field Separator

Leave at least one blank space between %y and %I. This will create a stamp looking like this: 07/26/16 10:41:03