# Zebra GK420T USB Hangtag Setup Instructions

**Required Files:** 

- a). Zebra GK420t Printer with USB port
- b). Hangtag Media (thermal coated, fan folded)

c). USB cable

d). Zebra Setup Utilities v. 1.0.0.666 or higher <u>ftp://edc-aim.com/pub/utils/Zebra/Setup\_ZSU\_101666.exe</u>

e). Zebra Setup Utilities Installation Instructions

Additional drivers and user manuals can be downloaded at: <u>http://www.zebra.com/id/zebra/na/en/index/products/printers/desktop/gk420t.html</u>

#### 1). Setup the physical components of the printer

- a). Unpack printer
- b). Plug printer into AC/Adapter, power source
- c). Plug printer into an active USB port of the PC using the USB cable



- d). Open printer by pressing the green latches on the left and right side of the unit
- e). Adjust the paper holder by turning the adjustment knob until the stock can be fed into the printer



#### f). Load hangtag stock into the printer



- g). Close printer lid, press down to be sure the lid latches engage
- h). Turn printer on with toggle switch on back of printer, wait 10 seconds for printer to power on.

#### 2). Install Zebra Setup Utilities (if not already installed)

Install printer setup utilities on any AIMS workstation that needs to print to the Gk420t. See "Zebra Setup Utilities Installation Instructions" for more details.

#### 3). Install the Gk420t Printer driver

a). Run Zebra Setup Utilities by double clicking on the shortcut

System Prepare Wizard	x
Preloading Drivers Application needs to preload driver package to your system.	
Printer drivers will now be pre-loaded. These drivers will be used to communicate with the printer. Click "Next" to start the preload process. When completed, a Wizard will help you set up the driver.	
Help     Cancel     < Back	]

#### b). Click Next



c). Select "Other computer ports..." and click Next

System Prepare Wizard	x
Install Printer Driver Installing the printer driver to your system.	
Application will launch printer installation wizard allowing you to install the printer driver for your printer. Click on "Finish" to complete this wizard.	
Help     Cancel     < Back	)

d). Click Finish



# e). Click Next

Selecting the printer	x
Select Printer Please select the manufacturer and p	rinter you want to install.
Select the manufacturer and model of your <change location="">. You can also choose key while selecting printers.</change>	printer. If the driver is in a different folder click to install multiple printers at once, using the CTRL
<u>M</u> anufacturers:	Printers:
	ZDesigner 888-TT ZDesigner 90XiIII ZDesigner 90XiIII Plus ZDesigner 96XiIII ZDesigner 96XiIII Plus ZDesigner GK402 ZDesigner GK420d ZDesigner GK420t
	Change location
<u> </u>	Help < Previous Next >

# f). Select the GK420t and click Next

Generations Options	×
Printer Options Please select port, pri	nter name and language.
Enter the name for your pri done, select <next> to inst</next>	nter. Also, select the port your printer is connected to. When you are all the printer and add an icon to the Printers folder.
Driver version:	1.5.10.04
Printer <u>n</u> ame:	ZDesigner GX420t
A <u>v</u> ailable ports:	
USB001 TS002 TS001 192.168.30.21 SHRFAX: COM1: COM2: I want to use this Select language:	Add Port         E         Delete Port         printer as the Windows default printer.         English
	<u>Exit</u> <u>H</u> elp <u><previous< u=""><u>Next&gt;</u></previous<></u>

g). Uncheck box for "Launch installation of Zebra Font Downloader Setup Wizard", then click the "Finish" button

General Sector S	X
Additional Install Options Please choose if you want to install Zebra Font Downloader.	
☑ Launch installation of Zebra Font Downloader Setup Wizard	
Setup will launch Zebra Font Downloader Setup Wizard. Zebra Font Downloader is an installa of small applications which will simplify the use of printers. If you want to launch the installation just run the "\zebrafd.exe" in the driver installation folder.	ition 1 later
<u>Exit</u> <u>H</u> elp < <u>P</u> revious <u>F</u> in	ish

h). Printer will continue to finish installing.

# 4). Configure the Gk420t Printer Settings

a). Run Zebra Setup Utilities by double clicking on the shortcut

🦼 Zebra Setup Utilities	
Printers	figuration options below.
ZDesigner GK420t LAN_GK420T	Jinstall New Printer
Printer Configuration Configure the selected printer Configure Printer Settings Townload Fonts	and Graphics
🔄 Configure Print Quality	ter Tools
Configure Printer Connectivity 📕 Open Communicat	ion With Printer
General Operations	
😧 Help	ose

b). Select the Gk420t and click "Configure Printer Settings"

Printer Settings Wizard			
Label Parameters Define label width,	label height and orien	tation.	
123	<u>U</u> nits <u>W</u> idth: <u>H</u> eight: <u>O</u> rientation:	inch 4.00 8.50 Normal	▼ inch ▼
Help	Firmware version:	V61.16.9Z	Next > <u>F</u> inish
	rinter Settings Wizard Label Parameters Define label width, 123	Wizard         Label Parameters         Define label width, label height and orien         Units         Width:         Height:         Orientation:         Help         Cancel	urinter Settings Wizard         Label Parameters         Define label width, label height and orientation.         Units       inch         Width:       4.00         Height:       8.50         Orientation:       Normal         Firmware version:       V61.16.9Z         Help       Cancel       < Back

# c). Enter the media size and click "Next"

Printer Settings Wizar	d		x
Speed and Darkn Select speed and	<b>ess</b> darkness.		
	<u>S</u> peed: <u>D</u> arkness:	5.0 ▼ inch/s	
Help	Canc	cel < <u>B</u> ack <u>N</u> ext >	<u>F</u> inish

d). Leave the defaults, click "Next"

Printer Setting:	s Wizard		x
<b>Media</b> Set media	parameters and handling.	19 and	
	Print <u>M</u> ode:	Direct	•
	Media <u>T</u> ype:	Mark Sensing	▼
	Tear off adjust:	0.00	inch
	Label <u>S</u> hift:	0.00	inch
To confi <u>c</u> <u>C</u> onti	ure advanced settings, ch nue wizard with advanced	leck the box below. I settings	
Help	Cance	el < <u>B</u> ack	<u>N</u> ext > <u>Finish</u>

e). Set the print mode to "Direct" and the media type to "Mark Sensing", click "Next"

Printer Settings Wizard		
Advanced settings Configure advanced settings for your printer.		rinter.
	Media <u>H</u> andling	Tear Off 🔹
123	<u>M</u> edia feed options B <u>a</u> ckfeed:	Every 0 label(s)       Feed to Next Label       Default settings
		Mirror <u>I</u> mage
Help	Cancel	I < <u>B</u> ack <u>N</u> ext > <u>F</u> inish

# f). Click "Next"

1	Printer Settings Wizard	
	Real Time Clock Set real time clock parameters	8.
		Set Real Time Clock         Image: Set Real Time Clock To Computers Clock         Set Real Time Clock To:         1/20/2010         1/2:11:28 PM
	Help	Cancel < <u>B</u> ack <u>Next</u> > <u>F</u> inish

# g). Click "Next"

Printer Settings Wiza	rd 📃 💌
Front Panel Prote Define panel para	ection ameters you want to protect.
	<ul> <li>Enable <u>D</u>arkness Mode</li> <li>Enable <u>P</u>osition Mode</li> <li>Enable <u>C</u>alibration Mode</li> <li>Enable Pa<u>u</u>se</li> <li>Enable F<u>e</u>ed</li> <li>Enable Cance<u>l</u></li> <li>Enable <u>M</u>enu Changes</li> </ul>
Help	Cancel < <u>B</u> ack <u>N</u> ext > <u>F</u> inish

# h). Click "Next"

Printer Settings Wizard	x
Save settings By pressing Finish your printer and driver will be updated.	
To save your settings to a file on your computer, check the box below.	
Save settings to File	
Help     Cancel     < <u>B</u> ack     Next >	

i). Click "Finish"

#### 5). Configure AIMS for Printing

- a). Log into AIMS, launch AIMS Admin
- b). Click "Permits", and then choose "Printing"
- c). Setup the printer
  - i). Enter code and description
  - ii). Check the Active box
  - iii). Set the view order to "Default"
  - iv). Check all the relevant printer types
  - v). Set the printer name to the value provided in the Zebra Setup Utility
  - vi). Set the printer type to "Format File"
  - vii). Set the format to "GK420T Hangtag Default"
  - viii). Uncheck Preview and Edit
  - ix). Save



j). To test print, click "Printer Config" and choose "Test Print"

#### Troubleshooting

Problem: The printer starts printing at the wrong part of the hangtag

Solution #1: Verify that there is no tear offset configured within "Zebra Setup Utilities", verify that the physical media has the stop bar in the correct place, if not adjust the tear offset accordingly.

Solution #2: Run the "calibrate media command". To do this, open "Zebra Setup Utilities", select the correct printer, click "Open Printer Tools", click the "Action" tab, select "Calibrate media" and click "send". The printer will print a series of blank hangtags and use its "eye" to locate the stop bar. When the process is finished, the printer paper feed light may blink, if it does press the paper feed button once.