2012 Setup Documentation for the HC100 Armband Printer in a Meditech Environment.

Topics

Initial Setup

Setting Up the HC100 Printer on Your Network

Changing the Default Administration Password

Meditech Magic

Defining the Printers IP Address Setting Up the Printer Destination Uploading the Armband Formats to Meditech Printing an Armband

Meditech C/S

Defining the Printers IP Address Setting Up the Printer Destination Uploading the Armband Formats to Meditech Printing an Armband

Meditech 6.x

Defining the Printers IP Address Setting Up the Printer Destination Uploading the Armband Formats to Meditech Printing an Armband

Documentation

Detailed NPR Code Specification

Setting up the HC100 Printer on a Desktop PC (Optional Configuration)

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This documentation does not constitute a recommendation or endorsement for the products mentioned.

This documentation is published and shared as free and open source for Meditech Hospitals to use.

Introduction

Key items:

Inherent safety features have been built into all freely published armband formats.

- The armbands have a built in feature to shrink or enlarge the Patient Name font to the largest possible size given the length of the name. The average age of a nurse in the US is in the upper 40's. This feature provides for safer care through easier visual identification of the patients name, while accommodating very large 30 Character Full Names.

- 2D Barcode Support with Code 128 on the same armband for Legacy product support.

- Integrated check digit capability to ensure the nurse is scanning an armband, and not another barcode (ie Label) in the patient care environment. This reduces workarounds and any scanning away from the bedside.

- Improved audit capability by capturing the name of "who printed" on the armband itself, so that if one is found unattached to a patient, investigation is much easier. This also reduces workarounds and any scanning away from the bedside.

HC100 Printer Initial Setup

The HC 100 Network Capable Printer is equipped with DHCP and can download an IP Address from your network if that functionality is enabled.

Plug the HC100 into your network and power it on, within 2 minutes the device should have download a valid IP Address.

To determine the printers address Print a Test Label. Hold down the Pause / Feed Button on the printer until it blinks orange once and then release.



A armband will print with the units IP Address shown,

+000.	TEAR OFF
NOT CONNECTED	USB COMM.
9600.8.N.2.X.N.~.^	SERIAL COMM.
V54.16.12 <	FIRMWARE
128.001.152.139	IP ADDRESS
00074d2f6707	MAC ADDRESS
FIRMWARE IN THIS PRINTE	R IS COPYRIGHTEI

This Label will include the downloaded IP Address. You can then browse to the printer to setup the necessary administrative data with your default web browser.

23/13/105507 - FIEADY - Micrasoft Internet Explorer				.12
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	Zebra Technologies ZTC HC100-300dpi ZPL			
	ZBR3106567			
	Internal Wired PrintBerver			
	Statuse READY			
	Printer Home Page			
	View Printer Configuration View and Modify Printer Settings Directory Listing Alert Sering			
	Printer Controls Print Sorror Settings			
	Bower: HTTP://WWW.ZEERA.COM Support: HTTP://SUPPORT.ZEERA.COM			
lave			ideas	el

The DEFAULT ADMIN PASSWORD is $\underline{1234}$. This should be updated / Changed once the printer is on your network.

Changing the Units Password

Go to the print server settings page



Select Web Admin to configure password

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ZBI	83106567 -	ZebraNet Internal	Wired PS		
	Web	Admin Configuration			
	Admin Name:	adreis			
	Admin Paravord:	Indiatio			
Cer	firm Admin Pareword:	tamana			
	HITP Fort:	80			
	FAQ URL:	Mp (hepped askes care			
	Updates URL:	tp//dp.zelara.com/pub/jarat_anr			
	Curton Link Title:				
	Curtons Link URL:				
		Submit Changes			
					-

Configure your Password on this page and document it accordingly. If you ever loose your password you can reset the printer to factory defaults to regain admin access to the console.

Setting up the TCP/IP Address for MEDITECH

The Meditech Environment requires a fixed IP address that it can transmit the printer data to.

From the Administration Menu of the HC100 Select TCP/IP Configuration.

WBHC	100 - ZebraNet	Internal Wir	red PS	
	TCP/IP Config	guration		
	IP Address	128.1.1.15		
	IP Protocol	PERMANENT		
	Defuilt Address Enabled:	P Definit Address		
	Subset Maske	255,295,0.0		
	Defailt Gateway:	18/06/1		
	WINS Server IP Address	128.1.6.19		
	Connection Timeout Checking	Yes •		
	Timeout Value (secc):	308		
	ARP Brook art Interval (min/s	0		
	Base Rev Part Number	10.00		
	Salomit Cheng	10		

Enter your desired IP address and set protocol to Permanent. Record the IP Address for later setup in Meditech.

Return to the Admin Page and select the General setup page.

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Gant + + - Q (1 2 Qlash (Prote	0mm (0 13-02 (0 - 3 (0 12)	
Address and May 27 28 1 792 19/settings	- Gorgle C+	- Ro & Stillanded H College
	Zebra Technologies ZTC HC100-300dpi ZPL	Î
	WBEDP14 (Armband Printer ED Triage)	
	Internal Wared Printformer	
	Home	
	View and Modify Printer Settings General Strap Series Conferences Setup Network Conferences Print Listings on Laber	
	Media Setup ZPL Control Advanced Setup	
	Save Current Configuration	1
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You can Modify DNS Name on this screen. For ease of maintenance and administration you can set your DNS Name to the Meditech Print Queue Name.

Once you have configured your printer with a fixed IP Address you are ready to set it up in Meditech.

Meditech Magic Setup and Configuration of the HC100 Armband Printer

Login to Meditech with an Administrative User ID.

Go to the EXT.OPS Menu where you will define the Printer IP Address and Printer Name.

Operators' Main Menu		Alarms: O
Machine: A Segment: A	Date: Dec 20, 2008 Time: 16:18	User: Charles Still Select?
 System Management Database Backup Database Management System Monitoring Caretaker 	6, 7, 8, 9, 10,	Archival Security System Support Tools Tape Management Manage Open Systems

On this menu #10. "Manage Open Systems"

Please note these are default Meditech Menus and they may have been changed in your host system for the specific ID you are using to login.

Manage Open Systems - A	Select? 15
1. Enter/Edit Remote Links	UDP/ICMP_Options
2. Delete Remote Links	
3. List Remote Links And Devices	19. Enter/Edit SNMP Objects
4. Establish a Remote Link	20. View SNMP Objects
	21. SNMP Client
Gandalf Printer Options	22. PING a Remote Host
	23. Traceroute
5. Enter/Edit/Delete Users' Printers	
6. List Users' Printers	<u>TCP Options</u>
<u>IP Options</u>	24. Manage Connections
	25. Manage Services
7. Enter/Edit Network Information	26. Enter/Edit Remote Printers
8. Delete Network Information	27. Delete Remote Printers
9. Enter/Edit Routers	28. Remote Printer Inquiry
10. Delete Routers	29. List Remote Printers
11. List Routers	30. LPR Print Queue Status
12. Enter/Edit/Delete Default Routers	31. Enter/Edit Mail Server Information
13. Manage IP Addresses - MAGIC Hosts	32. Receive Mail
14. Manage IP Addresses - TermServers	33. Manage Optical Disk Server
15. Manage IP Addresses - Reмote Hosts	34. FTP Client
16. List IP Addresses	35. Enable/Disable FTP Server Security

From the Open Systems Menu Select # 15. "Manage IP Addresses – Remote Hosts"

Enter/Edit/Delete Remote Host IP Addresses			
E Remote Host	IP Address	Expiration	
VNAP2	172.24.29.126		
UNAP3	172.24.29.127		
VNAP4	172.24.29.128		
UNAP5	172.24.29.129		
UNAP6	172.24.29.130		
Enter Remote Host IP Address			
Host? HC100	IP Addro	ess? 128.1.152.139	
	128.1.100.115		
NB2EP5	128.1.100.115		
NB2EP5 NBADM7	128.1.100.115 128.1.2.95 128.1.2.97		
NB2EP5 NBADM7 NBADM8	128.1.2.95 128.1.2.95 128.1.2.97 128.1.2.98		
NB2EP5 NBADM7 NBADM8 NBADM9	128.1.2.95 128.1.2.95 128.1.2.97 128.1.2.98 128.1.2.99		
NB2EP5 NBADM7 NBADM8 NBADM9 NBED5	128.1.100.115 128.1.2.95 128.1.2.97 128.1.2.98 128.1.2.99 128.1.1.1.100		
NB2EP5 NBADM7 NBADM8 NBADM9 NBED5 NBHC100	128.1.100.115 128.1.2.95 128.1.2.97 128.1.2.98 128.1.2.99 128.1.11.100 128.1.152.139		
AB2EP5 ABADM7 ABADM8 ABADM9 ABED5 ABHC100 ABICUP4	128.1.100.115 128.1.2.95 128.1.2.97 128.1.2.98 128.1.2.99 128.1.11.100 128.1.152.139 128.1.2.94		
NB2EP5 NBADM7 NBADM8 NBADM9 NBED5 NBHC100 NBICUP4 NBPACU	128.1.100.115 128.1.2.95 128.1.2.97 128.1.2.98 128.1.2.99 128.1.11.100 128.1.152.139 128.1.2.94 128.1.2.100		
NB2EP5 NBADM7 NBADM8 NBADM9 NBED5 NBHC100 NB1CUP4 NBPACU NBSDCP1	128.1.100.115 128.1.2.95 128.1.2.97 128.1.2.98 128.1.2.99 128.1.11.100 128.1.152.139 128.1.2.94 128.1.2.100 128.1.2.91		

Hit the Right CTRL Key to Insert a New Record, enter the HOST (Printer) Name and IP Address you previously recorded from the HC100.

Save the Entry (F12) and return to the previous menu, and choose the option to "Enter/Edit Remote Printers".

Manage Open Systems - А	Select? 15
1. Enter/Edit Remote Links	UDP/ICMP Options
2. Delete Remote Links	
3. List Remote Links And Devices	19. Enter/Edit SNMP Objects
4. Establish a Remote Link	20. View SNMP Objects
	21. SNMP Client
Gandalf Printer Options	22. PING a Remote Host
	23. Traceroute
5. Enter/Edit/Delete Users' Printers	
6. List Users' Printers	<u>TCP Options</u>
<u>IP Options</u>	24. Manage Connections
	25. Manage Services
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9. Enter/Edit Routers	28. Remote Printer Inquiry
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13. Manage IP Addresses - MAGIC Hosts	32. Receive Mail
14. Manage IP Addresses - TermServers	33. Manage Optical Disk Server
15. Manage IP Addresses - Remote Hosts	34. FTP Client
16. List IP Addresses	35. Enable/Disable FTP Server Security

On this menu Choose #26. "Enter/Edit Remote Printers."

Enter/Edit Re	enote Printers
Printer?	HC 100
Description?	Zebra HC100 Armband Printer
Model?	
TCP Port?	515 Maximum disconnect duration? (seconds, or <blank> for infinite)</blank>
Nagle?	8
Remote host?	HC100
Remote name?	HC 100

Enter the Printer Name you intend to use in Meditech Applications. Leave the "Model?" Field **<u>Blank</u>** there is no specific printer driver necessary to use with the HC100 Armband Printer.

The Remote Host and Remote Name field can be defined as the name you gave your printer in the Open Systems Menu.

Once you have Entered the information on this screen your Printer is Ready to Use!

Uploading the Zebra Printer Armband Formats to Meditech Magic.

Download the Zebra Armband formats to your Local PC

Login to your TEST Meditech Environment NPR Menu

Select "Upload Reports from PC"

Open					? ×
Look in: 📔	Workstation4.>	:	• + 6	È 💣 🌆	
My Recent Documents Desktop My Documents My Computer My Network	CACHE GRAPHICS ADMIPAT.zebra ANPClient.dll BarCode.dll CDWrite.dll CDWrite.dll CDWrite.dll CIENT.mtad dbghelp.dll errlog.txt EZTW32.dll Graph.dll Graph.dll Graph.cll graphics.mtad	.HC100.armbands ADM.PAT.zebra.H0 All Files (*.*)	ImgDll.dll MAudio.dll MEditor.dll MEditor.dll MSOClient.dll MSOClient.dll MSOClient.dll MAAFaxdll.dll RatFaxdll.dll RatFaxdll.dll T.cnt T.cxe T.fts T.fts T.gid		 ♥ T.hlp ♥ T_viewer. ♥ T_viewer. ♥ T_viewer. ♥ T_viewer. ● T_viewer. ● T_win10.f ● T_win15.f ● T_win10.f ● WMSysInfiner ● WMSysInfiner ● WKST.dm ● WordList. ■ Wrkstn4.ii ● Dpen Cancel
Places		Open as <u>r</u> ead-or	ıly		1.

Select the ADM.PAT.zebra.HC100.armbands file from the directory that you downloaded it to.

Upload Custor	n Reports From PC (A: TEST.MIS)	×			
Hospital	Medical Center				
Comment	Patient Armbands for the Zebra HC100 Printer				
MIS	V5.61 Segment A				
User	STH Directory TEST.MIS				
Date	03/22/09				
The PC file contains the reports listed below. If the Exists field is 'Y' there is an existing procedure in this directory which will be overwritten if the report is uploaded. You may delete any report from the list to prevent its being uploaded.					
Report	E	Exists			
ADM.PAT.zci	us.zebra.hc100.patient.armband.code128	Ν			
ADM.PAT.zci	us.zebra.hc100.patient.arмband.twod	Ν			

Once you have selected the Zebra armband format you will be presented with the upload reports screen. Hit F12 To Process and Answer Yes to File.

You can enter 0 at the "Print On" and "Translate" Prompts to have the upload results printed to your screen.

The NPR Report Formats will upload to your ADM.PAT DPM Automatically.

Once you have completed editing and testing your reports you can copy them to your live clinical environment. It is always advisable to test new reports in your test environment.

Printing the Armband to your Printer

Once you have uploaded and translated the report to your Test Environment you are ready to validate that everything is working correctly. From your NPR Reports Menu Choose "Process" to Print or Edit the Zebra Armband; Choose Option "4. Run" to print.

You will be prompted for your Organization, A Patient Name and finally the Printer Destination your defined earlier.

Meditech Client Server Setup and Configuration of the HC100 Armband Printer

Add Printer to <u>Meditech Client Server</u>

Go to Universe > Dictionary Menu > Printer > Enter/Edit

				Dictionary Menu		
				User	►	
				Credentials	⊁	
				Prefixes	►	
				Suffixes	►	
				Client	►	
· · · ·	-	MEDITECH Universe Main Desktop	٦	Printer	•	
Applications		Dictionary Menu	•	MEDITECH Printer Lists	⊁	Printer
MIS Database	<u>}</u>	Backup Manager Menu 🔰 🕨		MEDITECH Print Servers	►	Enter/Edit
NPR Database	•	Preferences Menu		Server	►	LIST
Universe Database	Ľ	List Appl by Server		Server Drive	►	View
				Application Server	•	
				Client Update Server	►	
				Ring	⊁	
				HCIS	►	
				Alert Service	►	
					_	

Mnemonic: Enter Name of Printer you just assigned on Print Server Network Name: Enter Name of Printer you just assigned on Print Server (Naming Convention for Printer and Network Name may differ by facility)

Non Windows Socket Connection: N Printer Model: BLANK



Go to Universe > Dictionary Menu > MEDITECH Printer Lists > Enter/Edit All Printers List

Dictionary Menu User	
User)	
Curdentiala	
Credenuals	
Prefixes 🕨	
Suffixes 🕨	
Client •	
MEDITECH Universe Main Desktop Printer • ME	EDITECH Printer Lists
Cations Dictionary Menu → MEDITECH Printer Lists → Entr	ter/Edit
atabase Backup Manager Menu MEDITECH Print Servers Viev	ew .
Atabase Preferences Menu → Server → List	t
'se Database List Appl by Server Server Drive Entr	ter/Edit All Printers List
Application Server	
Client Update Server 🔶	
Ring >	
HCIS •	
Alert Service	
Messaye	
According MEDITECH Dript Sorver TREDS	
Accessing MEDITECH Print Server - TREPS	
N N	

Note new printer is in "All Printers List".

Printer	*Server	Restrict Access
ACU0	TREPS	
ADD1	TREPS	
CANO	TREPS	
CRD0	TREPS	
DIE0	TREPS	
ER03	TREPS	
ER04	TREPS	
FFER	TREPS	
FORM	TREPS	
ISO4P	TREPS	-

File/Save

Using any print prompt, click REFRESH to refresh printer list.

			_
		Preview	્રો
		Print	8
		Download	¢
Printer:	Preview	Mail	Ξ.
Description:	Document Manager Preview	Archive	HHH)
Copies:	1	Browser	9
		Schedule	
		Preferences	-
		Refresh	ð\$

#3 – Create or Upload Wristband Print Format

Options:

- 1. Create NPR to generate Wristband from Meditech <Or>
- 2. Download existing Standard Wristband Format from zip file (from Zebra).

<u>To upload NPR from zip file –</u>

Save zip file to your pc. Go to Meditech > NPR > Updates > Load Reports from File

MEDITECH NPR Customization Main Deskto	р	
Menus	•	Updates
Reports	•	Move Menus and Reports
DPMs	•	Save Reports to File
Updates	•	Load Reports from File
Miscellaneous Routines	•	Check Ring for Invalid Report Fields
Process Reports		List Application Change Summary
Process Menus		List Application Modification History
Termination Report	•	

At the Load From File field, press the F9 key to locate zip files on your pc.

oad Reports from File			
Load from File			
Source Universe Source Ring Created on at Statement			
The 'Contents' multiple lists the reports contained in the report file. If the 'Exists' flag is Y for any report, that report exists in this ring and will be overwritten when loading reports. You may skip loading any report in this multiple by setting the 'Load' flag to As a secondary warning, you will receive a message when loading reports that alread exist in this ring as they're loaded and can choose to load/skip the report at that time	∃ N. Iy ∋.		
Contents	Exists	Load	
Comments			

The *Files of Type* field should be set to "ALL FILES". Double click zip file location.

Open		? X
Look jn:	🥌 Local Disk (C:) 💽 🗧 🖆 📰 🗸	
My Recent Documents Desktop My Documents My Computer	 pdi.canned.text.list pdi.canned.text.list pEREZ - 1 PEREZ - G PROV.ESID.FIELD PROVIDER LIST 4.21.2010 PROVIDER LIST 4.21.2010 Questions - REFRESH Worklist Shoe 1 Shoe 2 Status Board We are using the TAR in PCS on inpatient units ZEBRA SET UP 	
- S		
My Network Places	Files of type: All Files (*.*)	ncel

You should see

Exists - N
Load – Y
File/Save/F12 - NPR will be uploaded to Meditech.
Load Reports from File

Load Reports from File				
				×
Load from File	C:\ZIP00979.zip			2
				44
Source Universe	CIM			2
Source Ring	CIM.TEST5.54			
Created on	08/11/09 at 1520			8
The 'Contents' mult	iple lists the reports contained in the report file. If the 'Exists' flag			X
is Y for any report, t	that report exists in this ring and will be overwritten when loading			E A
reports. You may sk	tip loading any report in this multiple by setting the 'Load' flag to N.			
As a secondary war	ning, you will receive a message when loading reports that already			
exist in this ring as	they're loaded and can choose to load/skip the report at that time.			17
Contents	Ε	Exists	Load	*
ADM.PAT.zcus.js.	.zebra.hc100.patient.armband.code128	Y	М	- 110
				6
1				
Comments				

Next, go to NPR > Reports > Process Pull in report that you just uploaded.

Translate the report (#4) Run the report to view to ensure that it works (#5)

Process Reports (TF	RELIVE)
DPM?	ADM.PAT
Name?	zcus.zebra.hc100.wristband.2d
Report:	1. Enter/Edit 2. List Source Code 3. List Object Code 4. Translate 5. Run 6. Copy
Macro:	7. Enter/Edit
Screen:	8. Edit Blocks 9. Edit Elements 10. Check
Procedure:	11. Edit Data
Select?	

Meditech 6.x Setup and Configuration of the HC100 Armband Printer

				User	Þ	
				Credentials	•	
				Prefixes	•	
				Suffixes	•	
				Client	•	
Clinical	•]			Printer	•	
Administrative	MIS	Dictionaries		MEDITECH Printer Lists	►	Enter/Edi
Ancillary P	Universe	Backup Manager	••••	MEDITECH Print Servers	►	List
Financial	Customization	 Preferences 	•	Server	►	View
Info Systems	•			Server Drive	•	
				Application Server	•	
				Client Update Server	•	
				Ring	•	
				HCIS	•	
				Alert Service	•	

Navigate to Printer Definition

Mnemonic	ADMWRB			
* Active * Description	ADMITTING WRIST	BAND PTR		
Network Nan Port	ne 170 .15.10.16 9100			
Specialized Printers				
Non-Window Printer Mode	rs Socket Connection I	GENERIC		

Put the I.P. address in the Network Name field.

Application Server Client Update Server Ring HCIS Alert Service

Massage	Prefixes Suffixes	
ictionavies Accessi ackup Manager references	Client Printer MEDITECH Print Server - MEDITECH Print Server Server Server Drive Application Server Client Undate Server	NMEN-PSOR2lit View List Enter/Edit All Pr

Printer	*Server	Restrict Access
PDF	PS02	
L3N17W ON LBPRINT (FROM MREOPE	PS01	
MEDITECH DEFAULT	PS02	
MEDITECH-BKG DEFAULT	PS01	
MEDITECHPRINTER	PS02	Y
MICROSOFT XPS DOCUMENT WRITER	PS01	
MICROSOFT XPS DOCUMENT WRITER	PS01	

Then click Save.

Uploading Reports:



Load Reports from File	~
Load from File	× ?
Source Universe Source Ring Source In the second se	#
The 'Contents' multiple lists the reports contained in the report file. If the 'Exists' flag	۲
reports. You may skip loading any report in this multiple by setting the 'Load' flag to N. As a secondary warning, you will receive a message when loading reports that already exist in this ring as they're loaded and can choose to load/skip the report at that time	I ₩ ₩
Contents Exists Load	₽ <u>₽</u>
	→
Comments	*
	4

F9 to Browse for the report location. Must be in a .zip (dot zip) format. Choose all file types.

r Open			
😋 🔵 🗢 📙 « My Docu			
	ments 🕨 Test armbands 🕨 📼	Search Test armbands	9
Organize 🔻 New folde	2r		
🔆 Favorites	Name	Date modified	Туре
🧮 Desktop	1 01341	3/13/2012 3:18 PM	Compressed
Downloads	01344	3/13/2012 3:19 PM	Compressed
Recent Places	01347	3/13/2012 3:19 PM	Compressed
	Adult formats	2/15/2012 5:55 PM	Compressed
🔚 Libraries	Adult	2/16/2012 5:18 PM	Adobe Acrob
		2/15/2012 5:55 PM	Compressed
🖳 Computer	🗖 Child report on Infant band	2/24/2012 2:38 PM	Adobe Acrol
🏭 Local Disk (C:)	Thild	2/16/2012 5:17 PM	Adobe Acrol
🕎 it (\\srv-it) (I:)	🔁 Infant Comparison	2/24/2012 2:26 PM	Adobe Acrol
🚽 dmccoy (\\srv-it\ho	 Infant Flag Armband Formats	2/15/2012 5:55 PM	Compressed
	TINFant1	2/23/2012 4:43 PM	Adobe Acrol
📬 Network	🔁 Infant2	2/23/2012 4:44 PM	Adobe Acrol
	•		
File n	ame:	▼ All Files (*.*)	
. ne <u>n</u> e			
		<u>O</u> pen	Cancel
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Process Repo	orts			
DPM?	ADM.PAT			
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Macro:	7. Enter/Edit			
Screen:	8. Edit Blocks 9. Edit Elements 10. Check			
Procedure:	11. Edit Data			
Select?				

^{#5} to run reports.

The Code for the Armband Formats

All of the armband formats Magic, C/S, and 6.x Use the SAME code in the underlying NPR Report Writer formats for the specific platform they have been created for. The detail code follows.

Below is a list of the Published 2012 Armband Formats and Supported Armband Stock

File	Version	NPR Contained	Armband Format
01339	Magic	ADM.PAT.zcus.zebra.hc100.child.armband.128b	10011953K
01339	Magic	ADM.PAT.zcus.zebra.hc100.child.armband.twod 10011953K	
01339	Magic	ADM.PAT.zcus.zebra.hc100.child.armband.mixed 10011953K	
01340	Magic	ADM.PAT.zcus.zebra.hc100.infant.flag.code128	10007746K
01340	Magic	ADM.PAT.zcus.zebra.hc100.infant.flag.mixed 10007746K	
01340	Magic	ADM.PAT.zcus.zebra.hc100.infant.flag.twod	10007746K
00899	Magic	ADM.PAT.zcus.zebra.hc100.patient.armband.twod (Mixed)	10006995K
00899	Magic	ADM.PAT.zcus.zebra.hc100.patient.armband.code128	10006995K
File	Version	NPR Contained	Armband Format
01341	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.adult.armband.both	1006995K / 10007000K
01342	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.adult.armband.code128	1006995K / 10007000K
01343	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.adult.armband.twod	1006995K / 10007000K
01344	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.child.armband.both	10011953K
01345	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.child.armband.twod 10011953K	
01346	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.child.armband.code128 10011953K	
01347	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.infant.flag.both	10007746K
01348	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.infant.flag.code128	10007746K
01349	C/S - 6.x	ADM.PAT.zcus.zebra.hc100.infant.flag.twod	10007746K

```
Zebra Armband Cartridge 10011953K
ADM.PAT.zcus.zebra.hc100.child.armband.128b
____ ____
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITILIZATION^FS^!"
2 LC = c.xx.number^/NUM,""
3 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
4 LC = "^XA"^!
5 LC = "^MMT"^!
6 LC = "^PW300"^!
7 LC = "^LSO"^!
8 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
9 LC = IF{@name%26_.=. 1,"^FT85,1200^A0B,65,62^FH\^FD"_@name_"^FS"^!}
10 LC = IF{@name%26 .'=. 1,"^FT85,1200^A0B,60,55^FH\^FD" @name "^FS"^!}
11 LC = "^FT140,1200^A0B,42,46^FH\^FDDOB:^FS"^!
12 LC = "^FT140,880^A0B,42,46^FH\^FD"_@age_"^FS"^!
13 LC = "^FT140,645^A0B,42,46^FH\^FD"_@sex_"^FS"^!
14 LC = "^FT140,1110^A0B,42,46^FH\^FD" %Z.date.text(@birthdate,"N/D/y") "^FS"^!
15 LC = "^FT200,1200^AOB,36,34^FH\^FD"_@attend.doctor.name_"^FS"^!
16 LC = "^FT225,130^AOB,21,20^FH\^FD"_@.user_"^FS"^!
17 LC = "^FT285,100^A0B,21,20^FH\^FD" %Z.date.text(@.today,"N/D/y") "^FS"^!
18 LC = "^FT255,100^A0B,21,20^FH\^FD" @.now "^FS"^!
19 LC = "^FT200,780^A0B,42,40^FH\^FD"_@unit.number_"^FS"^!
20 LC = "^FT58,290^A0N,42,40^FH\^FD"_@acct.number_"^FS"^!
21 LC = "^FT140,300^A0B,42,40^FH\^FD" room.and.bed "^FS"^!
22 LC = "^FT200,500^A0B,42,40^FH\^FD" %Z.date.text(@adm.svc.res.date.out,"N/D/y")_"^FS"^!
23 LC = "^FT140,500^A0B,42,46^FH\^FD"_@location_"^FS"^!
24 LC = "^FX.The Following Section contains the Code 128 + 2D Barcodes^FS^!"
25 LC = "^BY2,3,100^FT290,150^BCI,,N,N,N,A^FD"_@acct.number_"^FS"^!
26 LC = "^BY2,3,100^FT290,1210^BCI,,N,N,N,A^FD"_@acct.number_"^FS"^!
27 LC = "^BY2,2,73^FT290,1125^BCB,,N,N,N,A^FD"_@acct.number_"^FS"^!
28 LC = "^BY2,2,73^FT290,700^BCB,,N,N,N,A^FD" @acct.number "^FS"^!
29 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
30 LC = "^PQ1,0,1,Y^XZ"^!
Zebra Armband Cartridge 10011953K
zcus.zebra.hc100.child.armband.mixed
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITILIZATION^FS^!"
2 LC = ""^CKD, "^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
3 LC = "BOTH"^BARCODE, "^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS^!"
4 LC = c.xx.number^/NUM,""
5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
6 LC = "^XA"^!
7 LC = "^MMT"^!
8 LC = "^PW300"^!
9 LC = "^LSO"^!
10 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
11 LC = IF{@name%26_.=. 1,"^FT85,1200^A0B,65,62^FH\^FD"_@name_"^FS"^!}
12 LC = IF{@name%26_.'=. 1,"^FT85,1200^A0B,60,55^FH\^FD"_@name_"^FS"^!}
13 LC = "^FT140,1200^A0B,42,46^FH\^FDDOB:^FS"^!
14 LC = "^FT140,880^A0B,42,46^FH\^FD"_@age_"^FS"^!
15 LC = "^FT140,645^A0B,42,46^FH\^FD"_@sex_"^FS"^!
16 LC = "^FT140,1110^A0B,42,46^FH\^FD" %Z.date.text(@birthdate,"N/D/y") "^FS"^!
17 LC = "^FT200,1200^A0B,36,34^FH\^FD"_@attend.doctor.name_"^FS"^!
18 LC = "^FT225,130^A0B,21,20^FH\^FD" @.user "^FS"^!
19 LC = "^FT285,100^A0B,21,20^FH\^FD" %Z.date.text(@.today,"N/D/y") "^FS"^!
20 LC = "^FT255,100^A0B,21,20^FH\^FD"@.now "^FS"^!
21 LC = "^FT200,780^A0B,42,40^FH\^FD" @unit.number "^FS"^!
22 LC = IF{BARCODE="BOTH" 1, "^FT58, 290^A0N, 42, 40^FH\^FD" @acct.number "^FS"^!}
24 LC = "^FT200,500^A0B,42,40^FH\^FD" %Z.date.text(@adm.svc.res.date.out,"N/D/y") "^FS"^!
```

25 LC = "^FT140,500^A0B,42,46^FH\^FD"_@location_"^FS"^!

26 LC = "^FX.The Following Section contains the Code 128 + 2D Barcodes^FS^!"

27 LC = IF{BARCODE="BOTH" 1, "^BY2, 3, 100^FT290, 150^BCI, , N, N, N, A^FD"_@acct.number_"^FS"^!}

28 LC = IF{BARCODE="BOTH" 1,"^BY2,3,100^FT290,1210^BCI,,N,N,N,A^FD"_@acct.number_"^FS"^!}
29 LC = IF{BARCODE="2D"

```
1, "^BY70, 70^FT290, 1300^BXB, 6, 200, 0, 0, 1^FD"_CKD_@acct.number_"^FS"^!}
```

```
30 LC = IF{BARCODE="2D"
1,"^BY70,70^FT150,1300^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!}
```

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25 of 35
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```
31 LC = IF {BARCODE="2D"
1, "^BY70, 70^FT290, 250^BXB, 7, 200, 0, 0, 1^FD" CKD @acct.number "^FS"^!}
32 LC = IF {BARCODE="2D"
1, "^BY70, 70^FT150, 250^BXB, 7, 200, 0, 0, 1^FD" CKD @acct.number "^FS"^!}
35 LC = "^BY70,70^FT299,1175^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
36 LC = "^BY70,70^FT299,1075^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
37 LC = "^BY70,70^FT299,975^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
38 LC = "^BY70,70^FT299,875^BXB,5,200,0,0,1^FD" CKD @acct.number "^FS"^!
39 LC = "^BY70,70^FT299,775^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
40 LC = "^BY70,70^FT299,675^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
41 LC = "^BY70,70^FT299,575^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
42 LC = "^BY70,70^FT299,475^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
43 LC = "^BY70,70^FT299,375^BXB,5,200,0,0,1^FD" CKD @acct.number "^FS"^!
44 LC = IF{BARCODE="2D"
1, "^BY70, 70^FT150, 250^BXB, 7, 200, 0, 0, 1^FD" CKD @acct.number "^FS"^!}
48 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
49 LC = "^PQ1,0,1,Y^XZ"^!
Zebra Armband Cartridge 10011953K
zcus.zebra.hc100.child.armband.twod
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITILIZATION^FS^!"
2 LC = ""^CKD, "^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
3 LC = "2D"^BARCODE, "^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS^!"
4 LC = c.xx.number^/NUM,""
5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
6 LC = "^XA"^!
7 LC = "^MMT"^!
8 LC = "^PW300"^!
9 \text{ LC} = "^LSO"^!
10 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
11 LC = IF{@name%26_.=. 1, "^FT85, 1200^A0B, 65, 62^FH\^FD"_@name_"^FS"^!}
12 LC = IF{@name%26_.'=. 1, "^FT85, 1200^A0B, 60, 55^FH\^FD"_@name_"^FS"^!}
13 LC = "^FT140,1200^A0B,42,46^FH\^FDDOB:^FS"^!
14 LC = "^FT140,880^A0B,42,46^FH\^FD" @age "^FS"^!
15 LC = "^FT140,645^A0B,42,46^FH\^FD"@sex"^FS"^!
16 LC = "^FT140,1110^A0B,42,46^FH\^FD"_%Z.date.text(@birthdate,"N/D/y")_"^FS"^!
17 LC = "^FT200,1200^A0B,36,34^FH\^FD" @attend.doctor.name "^FS"^!
18 LC = "^FT225,130^A0B,21,20^FH\^FD"_@.user_"^FS"^!
19 LC = "^FT285,100^A0B,21,20^FH\^FD" %Z.date.text(@.today,"N/D/y") "^FS"^!
20 LC = "^FT255,100^A0B,21,20^FH\^FD" @.now "^FS"^!
21 LC = "^FT200,780^A0B,42,40^FH\^FD" @unit.number "^FS"^!
22 LC = IF{BARCODE="BOTH" 1,"^FT58,290^A0N,42,40^FH\^FD" @acct.number "^FS"^!}
24 LC = "^FT200,500^A0B,42,40^FH\^FD" %Z.date.text(@adm.svc.res.date.out,"N/D/y") "^FS"^!
25 LC = "^FT140,500^A0B,42,46^FH\^FD"_@location_"^FS"^!
26 LC = "^FX.The Following Section contains the Code 128 + 2D Barcodes^FS^!"
27 LC = IF{BARCODE="BOTH" 1,"^BY2,3,100^FT290,150^BCI,,N,N,N,A^FD" @acct.number "^FS"^!}
28 LC = IF{BARCODE="BOTH" 1,"^BY2,3,100^FT290,1210^BCI,,N,N,N,A^FD" @acct.number "^FS"^!}
29 LC = IF{BARCODE="2D"
1,"^BY70,70^FT290,1300^BXB,6,200,0,0,1^FD" CKD @acct.number "^FS"^!}
30 LC = IF{BARCODE="2D"
1,"^BY70,70^FT150,1300^BXB,6,200,0,0,1^FD" CKD @acct.number "^FS"^!}
31 LC = IF{BARCODE="2D"
1,"^BY70,70^FT290,250^BXB,7,200,0,0,1^FD" CKD @acct.number "^FS"^!}
32 LC = IF {BARCODE="2D"
1, "^BY70, 70^FT150, 250^BXB, 7, 200, 0, 0, 1^FD" CKD @acct.number "^FS"^!}
35 LC = "^BY70,70^FT299,1175^BXB,5,200,0,0,1^FD"_CKD @acct.number "^FS"^!
36 LC = "^BY70,70^FT299,1075^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
37 LC = "^BY70,70^FT299,975^BXB,5,200,0,0,1^FD" CKD @acct.number "^FS"^!
38 LC = "^BY70,70^FT299,875^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!

39 LC = "^BY70,70^FT299,775^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!

40 LC = "^BY70,70^FT299,675^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
41 LC = "^BY70,70^FT299,575^BXB,5,200,0,0,1^FD" CKD @acct.number "^FS"^!
42 LC = "^BY70,70^FT299,475^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
43 LC = "^BY70,70^FT299,375^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
44 LC = IF {BARCODE="2D"
1, "^BY70, 70^FT150, 250^BXB, 7, 200, 0, 0, 1^FD" CKD @acct.number "^FS"^!}
48 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
```

```
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```

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49 LC = "^PQ1,0,1,Y^XZ"^!

Zebra Armband Cartridge 10007746K ADM.PAT.zcus.zebra.hc100.infant.flag.code128

```
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITILIZATION^FS^!"
2 LC = "1D"^BARCODE, "^FX.THIS SETS THE BARCODE STYLE, 1D^FS^!"
3 LC = c.xx.number^/NUM,""
4 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
5 LC = "^XA"^!
6 LC = "^MMT"^!
7 LC = "^LL3300"^!
8 LC = "^PW300"^!
9 LC = "^LSO"^!
10 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
11 LC = IF{@name%26_.=. 1, "^FT110, 2025^A0B, 52, 40^FH\^FD"_@name_"^FS"^!}
12 LC = IF{@name%26_.'=. 1, "^FT110, 2025^A0B, 42, 35^FH\^FD"_@name_"^FS"^!}
13 LC = "^FT160,2025^A0B,42,40^FH\^FDDOB:^FS"^!
14 LC = "^FT160,1750^A0B,42,40^FH\^FD"_@current.age_"^FS"^!
15 LC = "^FT160,1530^A0B,42,40^FH\^FD"_@sex_"^FS"^!
16 LC = "^FT160,1940^A0B,42,40^FH\^FD" %Z.date.text(@birthdate,"N/D/y") "^FS"^!
17 LC = "^FT175,1390^A0B,21,20^FH\^FD"_@.user_"^FS"^!
18 LC = "^FT215,1340^A0B,21,20^FH\^FD"_%Z.date.text(@.today,"N/D/y")_"^FS"^!
19 LC = "^FT215,1390^A0B,21,20^FH\^FD"_@.now_"^FS"^!
20 LC = "^FX. On the Next line REPLAE unit.number with acct.number for patient
visit^FS^!"
21 LC = "^FT210,2025^A0B,42,40^FH\^FD" @unit.number "^FS"^!
22 LC = "^FT260,2025^A0B,42,40^FH\^FD" @room "^FS"^!
23 \text{ LC} =
"^FT210,1800^A0B,42,40^FH\^FD" %Z.date.text(@adm.svc.res.date.out,"N/D/y") "^FS"^!
24 LC = "^FX.The Following Section contains the Barcodes^FS^!"
25 LC = IF{BARCODE="1D" 1, "^BY2,2,50^FT265,1700^BCB,,N,N,N,A^FD" @acct.number "^FS"^!}
26 LC = IF{BARCODE="1D" 1, "^BY2,2,100^FT215,320^BCB, N, N, N, A^FD"_@acct.number_"^FS"^!}
27 LC = IF{BARCODE="1D" 1, "^BY2,2,100^FT215,700^BCB, N, N, N, A^FD"_@acct.number_"^FS"^!}
28 LC = IF{BARCODE="1D" 1, "^BY2, 2, 100^FT215, 1080^BCB, , N, N, N, A^FD" @acct.number "^FS"^!}
29 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
30 LC = "^PQ1,0,1,Y^XZ"^!
```

Zebra Armband Cartridge 10007746K ADM.PAT.zcus.zebra.hc100.infant.flag.mixed

```
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITILIZATION^FS^!"
2 LC = ""^CKD, "^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
3 LC = "BOTH"^BARCODE,"^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS^!"
4 LC = c.xx.number^/NUM,""
5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
6 LC = "^XA"^!
7 LC = "^MMT"^!
8 LC = "^LL3300"^!
9 LC = "^PW300"^!
10 LC = "^LSO"^!
11 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
12 LC = IF{@name%26_.=. 1,"^FT110,2025^A0B,52,40^FH\^FD"_@name_"^FS"^!}
13 LC = IF{@name%26 .'=. 1,"^FT110,2025^A0B,42,35^FH\^FD" @name "^FS"^!}
14 LC = "^FT160,2025^A0B,42,40^FH\^FDDOB:^FS"^!
15 LC = "^FT160,1750^A0B,42,40^FH\^FD"_@current.age_"^FS"^!
16 LC = "^FT160,1530^A0B,42,40^FH\^FD"_@sex_"^FS"^!
17 LC = "^FT160,1940^A0B,42,40^FH\^FD" %Z.date.text(@birthdate,"N/D/y") "^FS"^!
19 LC = "^FT175,1390^A0B,21,20^FH\^FD"_@.user_"^FS"^!
20 LC = "^FT215,1340^A0B,21,20^FH\^FD"_%Z.date.text(@.today,"N/D/y")_"^FS"^!
21 LC = "^FT215,1390^A0B,21,20°FH\^FD" @.now "^FS"^!
22 LC = "^FX. On the Next line REPLAE unit.number with acct.number for patient
visit^FS^!"
23 LC = "^FT210,2025^A0B,42,40^FH\^FD" @unit.number "^FS"^!
24 LC = "^FT260,2025^A0B,42,40^FH\^FD" @room "^FS"^!
26 \text{ LC} =
"^FT210,1800^A0B,42,40^FH\^FD" %Z.date.text(@adm.svc.res.date.out,"N/D/y") "^FS"^!
27 LC = "^FX.The Following Section contains the 2D Barcodes^FS^!"
```

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```
28 LC = IF {BARCODE="2D"
1,"^BY60,60^FT265,1620^BXB,5,200,0,0,1^FD" CKD @acct.number "^FS"^!}
29 LC = IF{BARCODE="2D"
1,"^BY70,70^FT265,1530^BXB,5,200,0,0,1^FD" CKD @acct.number "^FS"^!}
30 LC = IF{BARCODE="BOTH" 1,"^BY2,2,50^FT265,1700^BCB,,N,N,N,A^FD" @acct.number "^FS"^!}
31 LC = "^BY70,70^FT215,100^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
32 LC = "^BY70,70^FT215,220^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
33 LC = "^BY70,70^FT215,340^BXB,6,200,0,0,1^FD" CKD @acct.number "^FS"^!
34 LC = "^BY70,70^FT215,460^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
35 LC = "^BY70,70^FT215,580^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
36 LC = "^BY60,60^FT215,700^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
37 LC = "^BY70,70^FT215,820^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
38 LC = "^BY70,70^FT215,940^BXB,6,200,0,0,1^FD"_CKD @acct.number_"^FS"^!
39 LC = "^BY70,70^FT215,1060^BXB,6,200,0,0,1^FD"_CKD @acct.number_"^FS"^!
40 LC = "^BY70,70^FT215,1180^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
41 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
42 LC = "^PQ1,0,1,Y^XZ"^!
Zebra Armband Cartridge 10007746K
ADM.PAT.zcus.zebra.hc100.infant.flag.twod
1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITILIZATION^FS^!"
2 LC = ""^CKD, "^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"
3 LC = "2D"^BARCODE, "^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS^!"
4 LC = c.xx.number^/NUM,""
5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
6 LC = "^XA"^!
7 LC = "^MMT"^!
8 LC = "^LL3300"^!
9 LC = "^PW300"^!
10 LC = "^LSO"^!
11 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
12 LC = IF{@name%26_.=. 1,"^FT110,2025^A0B,52,40^FH\^FD"_@name "^FS"^!}
13 LC = IF{@name%26_.'=. 1,"^FT110,2025^A0B,42,35^FH\^FD"_@name "^FS"^!}
14 LC = "^FT160,2025^A0B,42,40^FH\^FDDOB:^FS"^!
15 LC = "^FT160,1750^A0B,42,40^FH\^FD"_@current.age_"^FS"^!
16 LC = "^FT160,1530^A0B,42,40^FH\^FD" @sex "^FS"^!
17 LC = "^FT160,1940^A0B,42,40^FH\^FD" %Z.date.text(@birthdate,"N/D/y")_"^FS"^!
19 LC = "^FT175,1390^A0B,21,20^FH\^FD" @.user "^FS"^!
20 LC = "^FT215,1340^A0B,21,20^FH\^FD" %Z.date.text(@.today,"N/D/y") "^FS"^!
21 LC = "^FT215,1390^A0B,21,20^FH\^FD"_@.now_"^FS"^!
22 LC = "^FX. On the Next line REPLAE unit.number with acct.number for patient
visit^FS^!"
23 LC = "^FT210,2025^A0B,42,40^FH\^FD" @unit.number "^FS"^!
24 LC = "^FT260,2025^A0B,42,40^FH\^FD" @room "^FS"^!
26 LC =
"^FT210,1800^A0B,42,40^FH\^FD" %Z.date.text(@adm.svc.res.date.out,"N/D/y") "^FS"^!
27 LC = "^FX.The Following Section contains the 2D Barcodes^FS^!"
28 LC = IF{BARCODE="2D"
1,"^BY60,60^FT265,1620^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!}
29 LC = IF{BARCODE="2D"
1, "^BY70, 70^FT265, 1530^BXB, 5, 200, 0, 0, 1^FD"_CKD_@acct.number_"^FS"^!}
30 LC = IF{BARCODE="BOTH" 1, "^BY2, 2, 50^FT265, 1700^BCB, , N, N, N, A^FD" @acct.number "^FS"^!}
31 LC = "^BY70,70^FT215,100^BXB,6,200,0,0,1^FD" CKD @acct.number "FS"^!
32 LC = "^BY70,70^FT215,220^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
33 LC = "^BY70,70^FT215,340^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
34 LC = "^BY70,70^FT215,460^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
35 LC = "^BY70,70^FT215,580^BXB,6,200,0,0,1^FD" CKD @acct.number "^FS"^!
36 LC = "^BY60,60^FT215,700^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
37 LC = "^BY70,70^FT215,820^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
38 LC = "^BY70,70^FT215,940^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
39 LC = "^BY70,70^FT215,1060^BXB,6,200,0,0,1^FD" CKD @acct.number "^FS"^!
40 LC = "^BY70,70^FT215,1180^BXB,6,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
41 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
42 LC = "^PQ1,0,1,Y^XZ"^!
```

Zebra Armband Cartridge 10006995K (or 10007000K C/S & 6.0 Only) ADM.PAT.zcus.zebra.hc100.patient.armband.twod

1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITILIZATION^FS^!"

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2 LC = ""^CKD, "^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!" 3 LC = "BOTH"^BARCODE, "^FX.THIS SETS THE BARCODE STYLE, 2D or BOTH^FS^!" 4 LC = c.xx.number^/NUM,"" 5 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^! 6 LC = "^XA"^! 7 LC = "^MMT"^! 8 LC = "^LL3300"^! 9 LC = "^PW300"^! 10 LC = "^LSO"^! 11 LC = "^FX.The Following Section contains Patient Attributes^FS^!" 12 LC = "^FT85,2516^A0B,67,67^FH\^FD" @name "^FS"^! 13 LC = "^FT140,2516^A0B,46,76^FH\^FDDOB:^FS"^! 14 LC = "^FT140,2000^A0B,46,76^FH\^FD"_@age_"^FS"^! 15 LC = "^FT140,1865^A0B,46,76^FH\^FD"_@sex_"^FS"^! 16 LC = "^FT140,2337^A0B,46,76^FH\^FD" %Z.date.text(@birthdate,"N/D/y") "^FS"^! 17 LC = "^FT200,2516^A0B,42,40^FH\^FD"_@attend.doctor.name_"^FS"^! 18 LC = "^FT100,350^A0B,21,20^FH\^FD"_@.user_"^FS"^! 19 LC = "^FT100,200^A0B,21,20^FH\^FD" %Z.date.text(@.today,"N/D/y") "^FS"^! 20 LC = "^FT100,100^A0B,21,20^FH\^FD" @.now "^FS"^! 21 LC = "^FT210,1900^A0B,42,40^FH\^FD" @unit.number "^FS"^! 22 LC = IF{BARCODE="BOTH" 1,"^FT58,1300^A0N,42,40^FH\^FD" @acct.number "^FS"^!} 23 LC = "^FT130,1550^A0B,42,40^FH\^FD" @room.and.bed "^FS"^! 24 LC ="^FT210,1643^A0B,42,40^FH\^FD" %Z.date.text(@adm.svc.res.date.out,"N/D/y") "^FS"^! 25 LC = "^FT140,1775^A0B,46,76 FH\^FD" @location "^FS"^! 26 LC = "^FX.The Following Section contains the Code 128 + 2D Barcodes^FS^!" 27 LC = IF{BARCODE="BOTH" 1, "^BY2, 3, 175^FT289, 1088^BCI, N, N, N, A^FD"_@acct.number_"^FS"^!} 28 LC = IF{BARCODE="BOTH" 1, "^BY2, 3, 102^FT280, 2557^BCI, N, N, N, A^FD"_@acct.number "^FS"^!} 29 LC = "^BY70,70^FT299,2520^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 30 LC = "^BY70,70^FT299,2440^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 31 LC = "^BY70,70^FT299,2360^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
32 LC = "^BY70,70^FT299,2280^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 33 LC = "^BY70,70^FT299,2200^BXB,5,200,0,0,1^FD"_CKD_@acct.number "^FS"^! 34 LC = "^BY70,70^FT299,2120^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 35 LC = "^BY70,70^FT299,2040^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 36 LC = "^BY70,70^FT299,1960^BXB,5,200,0,0,1^FD" CKD @acct.number "^FS"^! 37 LC = "^BY70,70^FT299,1880^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 38 LC = "^BY70,70^FT299,1800^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
39 LC = "^BY70,70^FT299,1720^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 40 LC = "^BY70,70^FT299,1640^BXB,5,200,0,0,1^FD"_CKD_@acct.number "^FS"^! 41 LC = "^BY70,70^FT299,1560^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 42 LC = "^BY70,70^FT299,1480^BXB,5,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 43 LC = "^BY70,70^FT299,1400^BXB,5,200,0,0,1^FD" CKD @acct.number "^FS"^! 44 LC = "^BY70,70^FT299,100^BXB,7,200,0,0,1^FD" CKD @acct.number "^FS"^! 45 LC = "^BY70,70^FT299,220^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 46 LC = "^BY70,70^FT299,340^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 47 LC = "^BY70,70^FT299,460^BXB,7,200,0,0,1^FD" CKD @acct.number "^FS"^! 48 LC = "^BY70,70^FT299,580^BXB,7,200,0,0,1^FD"_CKD_@acct.number_ "^FS"^I 49 LC = "^BY70,70^FT299,700^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^!
50 LC = "^BY70,70^FT299,820^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 51 LC = "^BY70,70^FT299,940^BXB,7,200,0,0,1^FD"_CKD_@acct.number_"^FS"^! 52 LC = "^BY70,70^FT299,1060^BXB,7,200,0,0,1^FD" CKD @acct.number "^FS"^! 53 LC = IF {BARCODE="2D" 1,"^BY70,70^FT299,1180^BXB,7,200,0,0,1^FD" CKD @acct.number "^FS"^!} 54 LC = IF{BARCODE="2D" 1,"^BY70,70^FT150,2700^BXB,7,200,0,0,1^FD" CKD @acct.number "^FS"^!} 55 LC = IF {BARCODE="2D" 1,"^BY70,70^FT299,2700^BXB,7,200,0,0,1^FD" CKD @acct.number "^FS"^!} 56 LC = IF {BARCODE="2D" 1,"^BY70,70^FT299,1300^BXB,7,200,0,0,1^FD"_CKD_@acct.number "^FS"^!} 57 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!" 58 LC = "^PQ1,0,1,Y^XZ"^!

Zebra Armband Cartridge 10006995K (or 10007000K C/S & 6.0 Only) ADM.PAT.zcus.zebra.hc100.patient.armband.code128

1 LC = "^FX.THIS HEADER COMPONENT IS FOR PRINTER INITILIZATION^FS^!"

2 LC = c.xx.number^/NUM,""

```
3 LC = "^XA~TA000~JSN^LT0^MNM^MTD^PON^PMN^LH0,0^JMA^PR2,2^MD21^JUS^LRN^CI0^XZ"^!
4 LC = "^XA"^!
```

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```
5 LC = "^MMT"^!
6 LC = "^LL3300"^!
7 LC = "^PW300"^!
8 LC = "^LSO"^!
9 LC = "^FX.The Following Section contains Patient Attributes^FS^!"
10 LC = "^FX.Modify the FT command to FX to comment out the attribute^FS^!"
11 LC = "^FX"_L(@name) "^FS"^!
12 LC = "^FT100,2516^A0B,67,67^FH\^FD" @name "^FS"^!
13 LC = "^FT168,2516^A0B,46,76^FH\^FDDOB:^FS"^!
14 LC = "^FT168,1955^A0B,42,62^FH\^FD"_@age_"^FS"^!
15 LC = "^FT230,1550^A0B,42,40^FH\^FD" @room.and.bed "^FS"^!
16 LC = "^FT230,2100^A0B,42,40^FH\^FD" @attend.doctor.name "^FS"^!
17 LC = "^FT100,350^A0B,21,20^FH\^FD"_@.user_"^FS"^!
18 LC = "^FT100,200^A0B,21,20^FH\^FD"_%Z.date.text(@.today,"N/D/y")_"^FS"^!
10 LC = "^FT100,100^A0B,21,20^FH\^FD"_0.now_"^FS"^!
20 LC = "^FT168,1814^A0B,42,62^FH\^FD"_0sex_"^FS"^!
21 LC = "^FT168,2337^A0B,46,76^FH\^FD"_%Z.date.text(@birthdate,"N/D/y")_"^FS"^!
22 LC = "^FT290,1967^A0B,46,45^FH\^FD" @unit.number "^FS"^!
23 LC = "^FX.The Following Section contains the Code 128 Barcodes^FS^!"
24 LC = "^BY2,3,102^FT290,2557^BCI,,N,N,N,A^FD"_@acct.number_"^FS"^!
25 LC = "^BY2,3,245^FT290,1088^BCI,,N,N,N,A^FD"_@acct.number_"^FS"^!
26 LC = "^BY3,3,73^FT270,2516^BCB,,Y,N,N,A^FD" @acct.number "^FS"^!
27 \text{ LC} =
"^FT290,1643^A0B,42,40^FH\^FD" %Z.date.text(@adm.svc.res.date.out,"N/D/y") "^FS"^!
28 LC = "^FT168,1659^A0B,46,45^FH\^FD" @location "^FS"^!
29 LC = "^FX.Change the PQ# in the next line to change the number of armbands^FS^!"
30 \text{ LC} = "^PQ1, 0, 1, Y^XZ"^!
```

Please note, you will need familiarity with the Meditech NPR Report Writer Product to Edit these codes.

Brief Command Overview

Much further detail is available in the Zebra ZPL II Programming Guide; here is a quick look at a few commands.

The ^FT – Field Typeset Command sets general characteristics about the data being displayed. In the example below we will identify each component of the Patient Name field.

Text Line:

^FT85,2516^A0B,67,67^FH\^FD"_@name_"^FS"^!

^FT = Field Typeset
85,2516 = the X and Y Location in Dots Per Inch (DPI) on the label media.
^A = Specifies the Font to use in the Data Section
0 = Internal Font to Use
B = field orientation
67,67 = Sets the Font Height and Width in DPI – you can modify this to change the sizing of the font.
^FH\ = Field Hexadecimal Indicator
^FD = Field Data

 FS = Field Separator or End

Barcode Code 128 Line:

^BY2,3,175^FT289,1088^BCI,,N,N,N,A^FD"_@acct.number_"^FS"^!

^BY2,3,175 = Modifies the default DPI values for barocode
^FT = Field Typeset
289,1088 = the X and Y Location in Dots Per Inch (DPI) on the label media.
^BCI,,N,N,N,A = Generates the Code 128 Barcode – Setting the first N to
a Y ie(^BCI,,Y,N,N,A) Includes a Human Readable
font on the label.
^FD = Field Data, the @acct.number is the patient account #.
^FS = Field Separator or End

Check Digit Inclusion

Note All formats containing a 2D barcode allow for the optional inclusion of a Check Digit by editing the 2nd Line Check in the NPR Report.

2 LC = ""^CKD, "^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"

By placing a code in the quotes as follows with an @ sign.

2 LC = "@"^CKD,"^FX.THIS HEADER COMPONENT IS TO ADD A CHECK DIGIT^FS^!"

The @ character will be imbedded in all 2D Barcodes.

Barcode Datamatrix Line:

^BY70,70^FT225,220^BXB,7,200,0,0,1^FD"_@acct.number_"^FS"^!

^BY70,70 = Modifies the default DPI values for barocode
^FT = Field Typeset
225,220= the X and Y Location in Dots Per Inch (DPI) on the label media.
^BXB,7,200,0,0,1 = Generates the two-dimensional data matrix barcode format. In this example the 7 sets the size of the barcode.
^FD = Field Data the @acct.number is the patient account #.
^FS = Field Separator or End

Please refer to the Zebra ZPL II Reference Guide for greater detail.

Note: To remove a field from printing you can delete the line or replace the ^*FT with* ^*FX Making it a comment field.*

Printer Setup for Access E-Forms Setup or PC Workstation Setup

In the event that you are using the printer with other middleware products you can set it up without a printer driver and pass the text strings of commands directly to the printer.

Adding windows destination – Optional for testing.



Add Standard TCP/IP Printer	Port Wizard
Add Port For which device do you v	vant to add a port?
Enter the Printer Name or I	P address, and a port name for the desired device.
Printer Name or IP <u>A</u> ddres: <u>P</u> ort Name:	x 128.1.152.139 HC100-Zebra-IP_128.1.152.139
	Z Back Navt Cancel
Add Standard TCP/IP Printer	Port Wizard
Additional Port Information The device could not be in	n Required dentified.
The detected device is of unkr 1. The device is properly config 2. The address on the previou Either correct the address and previous wizard page or select	nown type. Be sure that: gured. s page is correct. perform another search on the network by returning to the the device type if you are sure the address is correct.
- Device Tupe	
Standard Generic Net	work Card
C <u>C</u> ustom <u>Settings</u>	_
	< <u>B</u> ack <u>N</u> ext > Cancel
Add Standard TCP/IP Printer	Port Wizard
	Completing the Add Standard TCP/IP Printer Port Wizard
	You have selected a port with the following characteristics.
	SNMP: No

 COMPLETING THE Point of Standard

 COMPLETING THE Point Wizard

 You have selected a port with the following characteristics.

 SNMP:
 No

 Protocol:
 RAW, Port 9100

 Device:
 128.1.152.139

 Port Name:
 HC100.2ebraHP_128.1.152.139

 Adapter Type:
 Generic Network Card

 To complete this wizard, click Finish.

 < Back</td>
 Finish

 Cancel

Add Printer Wizard
Add Printer Wizard The manufacturer and model determine which printer to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.
Manufacturers: Printers:
Diconix Context Only Context Only Digital Generic / Text Only Generic IBM Graphics Spin wide Fulisu Generic IBM Graphics Spin wide MS Publisher Color Printer GCC Generic Gene
<u>W</u> índows Update <u>H</u> ave Disk
< <u>B</u> ack <u>Next></u> Cancel
Add Printer Wizard
Use Existing Driver A driver is already installed for this printer. You can use or replace the existing driver.
Generic / Text Only
Do you want to keep the existing driver or use the new one?
Keep existing driver (recommended)
C <u>B</u> eplace existing driver
<u>⟨B</u> ack <u>N</u> ext > Cancel
Add Printer Wizard
Name Your Printer You must assign a name for this printer.

