

Table of Contents	Page
Acknowledgements:	- 3 -
Software Licence and Copyright	- 3 -
Introduction to BarSTORM	- 4 -
Connection to the Unit	- 4 -
USB Port Layout	- 5 -
Screen Setup Administration	- 5 -
Web Interface Administration	- 6 -
Password and KEY	- 8 -
Firmware Upload	- 9 -
Bridged Queues	- 10 -
Fonts & Overlay	- 12 -
Font & Form Management	- 12 -
Core Resource Files	- 12 -
Form Overlay Creation	- 15 -
Freescape	- 16 -
Diagnostics	- 16 -
Windows Printer Setup	- 17 -
Test Data Files	- 21 -
Support Information	- 24 -

This manual is intended for use to setup the BarStorm to connect to the printer and to the network.

Please also refer to the BarSTORM Barcode Manual, to review and understand the methods for Barcode programming.

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Introduction to BarSTORM

The BarSTORM unit is a powerful multiport print server / network bridge with the capability of translating standard PCL5 escape sequences to print the most commonly used bar codes. The barcodes are generated internally by the BarSTORM's on board software. The unit uses “**BarDIMM inside**” technology so is compatible with the most commonly used applications that support PCL5 bar code printing.

Additional fonts and form overlays can be stored on the unit and can be associated with each output port using a control list. The device by default comes with 1 USB output and 1 network bridge connection and can be licensed to print to a maximum of 4 local USB PCL5 printers and up to 50 Network ready PCL5 printers.

Some of the following configuration information relates to Windows XP , some other systems can be used in a similar manner.

Connection to the Unit

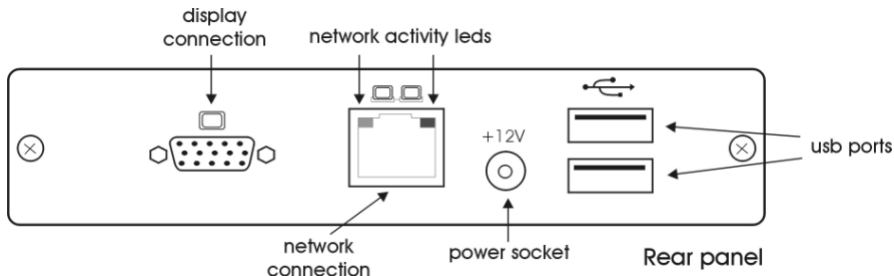
The BarSTORM can be connected to any 10/100 Ethernet network that supports TCP/IP Raw port or LPR printing.

To setup this unit you must initially connect to the box from an attached screen and keyboard or a network client within the IP range 192.0.0.???. Once DHCP or a valid IP address for your network has been set the unit will be available on the network and can be further configured via a browser.

You will need one Ethernet RJ45 cable of the right type for your network configuration.

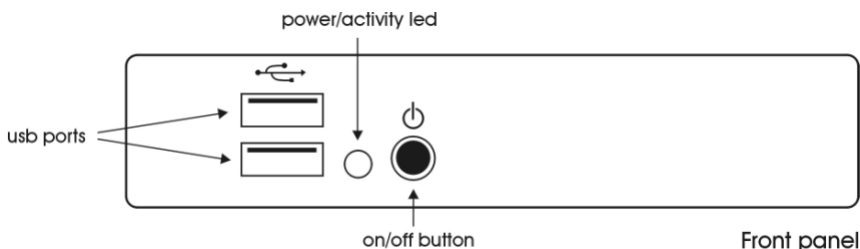
You may also require one or more USB printer cables. You can connect to a parallel printer with a standard USB/Parallel conversion cable.

The unit comes with four USB output ports (2 on the front, 2 on the back). You can use one or all simultaneously depending how the box is licensed.



Connect the box to your network by plugging the relevant RJ45 cable into the network port on the back of the unit.

Plug into the power socket marked on the back of the unit. Turn the box on using the button on the front of the box. You should see the blue indicator light come on.



The default unit is configured with 1 USB port and 1 bridged network port available.

The printer connection can be bridged to a network printer, or directly plugged to a USB connected printer. It is best to initially establish a test printout with a USB connected printer. Use USB1. Bridging Information is described later.

USB Port Layout

USB Port 1	Rear Panel Top Slot
USB Port 2	Rear Panel Bottom Slot
USB Port 3	Front Panel Top Slot
USB Port 4	Front Panel Bottom Slot

Note: If the box is licensed for one local (USB) port you can plug the USB cable into any port. If the unit is licensed for multiple local USB ports please connect as per the port layout table above.

Note: After you have connected the unit to a USB printer a test and configuration page will be printed to USB1 only when the IP address of the unit is changed, or alternatively when you switch the printer connected off and on again.

Configuration

The unit can be configured via a built in Web page which can be accessed from a browser on a suitable network or can be configured initially from a plugged in monitor screen and USB keyboard, and then additionally fully configured from a browser.

Screen Setup Administration

A way to setup the Network configuration details is to plug a screen into the Monitor port on the rear of the unit, and a USB keyboard into any of the USB slots. If you power on the unit the system will show boot information and end up with a "device login" prompt.

Enter the user "admin"

Enter the password "password" or previously set password. (case sensitive)

The system will allow several options:

"q" to quit and return, your system will now have any new settings applied.

"manual" will allow you to enter the IP Address, Subnet Mask, and Gateway info.

Enter IP address: enter in the format xxx.xxx.xxx.xxx and return

Enter Subnetmask: enter in the format xxx.xxx.xxx.xxx and return

(The Gateway address will be set to the IP address at this stage, so the Gateway is local, you can then change it via the browser later as required).

then enter "q" to quit

you can now access the unit via a browser with the new IP address.

"dhcp" will select a DHCP connection, and ignore previously set static IP information.

The unit will scan for a DHCP server, if one is found it will receive a network IP address and gateway, it will confirm the network settings on screen. Print a status sheet to the USB1 printer port showing the new information.

You can now access the unit via a browser with the new IP address, and continue with further setup.

If a DHCP Server is not found, the unit will revert to the previously set IP address and gateway or to the Factory defaults if one had not previously been set.

The screen can be disconnected and is not required.

Alternative IP Address settings can be achieved if using DOS or UNIX, via using the standard ARP tools:

```
ARP -s IPAddress EthernetAddress
ARP -s xxx.xxx.xxx.xxx 00:00:00:00:00:00 (Unix)
ARP -s xxx.xxx.xxx.xxx 00-00-00-00-00-00 (DOS)
```

Web Interface Administration

A browser can be used to monitor and configure the unit. Once the unit is communicating then a browser can be used for all aspects of configuring the system.

To initially configure the unit from Factory defaults, access the Administration Web page of the unit by entering `http://192.0.0.192` this will display the password page of the web administration.

If your network is in the range `192.0.0.xxx` you should be able to connect to the unit via a browser.

If your network is not in the `192.0.0.xxx` range, then you can either use the screen setup method for the initial network configuration or you will need to isolate the configuring PC, disable you current Network connection that uses your current IP range and setup a new network connection using the `192.0.0.xxx` range, this will allow you to connect to the device, change the IP address and network settings to the ones you require. Once done revert your PC connection back to its normal settings.

Once you have established a connection you can now use a browser for further setup and can enter the Login Page.



The default Admin password is “**password**”
Type **password** into the Admin Password field and click on **Login**.

(Press the Login Button, hitting return will not function)

The Network setup Screen will be displayed.

Network settings

Use dhcp (numbers below will be ignored and you will need to manually re-direct your browser to the new IP address)

IP address:

Netmask:

Gateway:

DNS settings

The Primary and (optionally) Secondary DNS servers should be specified as IP numbers. Enter your local subnet domain in the DNS Domain field. The DNS Search Order will default to the DNS Domain. Enter a space separated list of domains (max. 6) to specify your own search order.

Note that the settings here will be ignored if you have chosen to configure the network settings using DHCP. In this case, the DHCP server will set the DNS settings for your print server.

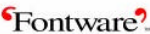
Use DNS (if unchecked, numbers below will be ignored)

Primary DNS server:

Secondary DNS server:

DNS Domain:

DNS Search Order (space separated):



This screen will allow you to change the units IP address, Subnet mask and Gateway information where necessary.

If you select to use a DHCP connection, the system will ignore previously set static IP information.

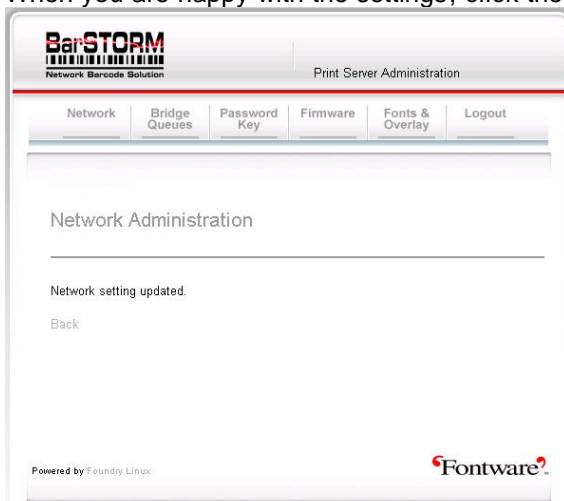
Once you select “update Settings” the unit will scan for a DHCP server, if one is found it will receive a network IP address and gateway. A status sheet will be printed to the USB1 printer port showing any new information.

If a DHCP Server is not found, the unit will revert to the previously set IP address and gateway or to the Factory defaults if one had not previously been set.

If you have a DNS server and wish to use printer names on your network this can be set from this page also. Options allow for Primary and Secondary DNS servers.

The DNS Domain field allows entry of your DND Domain name used for searching, and optionally a search order can be entered if you have main Domains.

When you are happy with the settings, click the Update setting button.



Password and KEY

From this page a user can define and update the Admin Password, Update configuration Keys and restore the factory default settings of the unit.

Note: Only install a valid Key that has been provided via FONTWARE or you may permanently disable the unit. You will only need a key if changing access to the number of printer ports available.

Password

The password will be case sensitive. If you forget the password you will **NOT** be able to log in to the unit.

Key

This is the output port unlocking licence key specific to this unit, and is matched only with the unique MAC address of the unit. It can only be used with the specific unit it is meant for.

It is used to unlock extra printer ports which have been additionally licenced,

Evaluation Units.

These is an evaluation variant of the BarStorm system used for testing and mission critical backup units. The evaluation version, has all BarSTORM port open, but has a limited use timer running.

This version of the firmware has an extra field for evaluation keys to be entered and updated. The screen will show the amount of evaluation time set, and how much is used before the unit expires.

It also shows on each of the browser pages that the system is an evaluation version.

Factory Defaults.

Resetting factory defaults will return the units network settings to its delivery defaults.

Remember the IP address will return to 192.0.0.192.

Any Bridge queue settings will be removed.

Any newly loaded fonts and forms will stay in place.

Port extension Licence keys will stay in place.

Firmware Upload

From time to time Fontware may release upgrades or later revisions of the firmware.

The current system operating version number is shown on this page. New Firmware can be updated from this page. The user can browse the network and select the required update file, much as you would do from any system, press the Update firmware button and the box will automatically update and reboot. This may take up to 45 seconds and you may have to log into the Web page after an update has been completed.

The screenshot shows the BarStorm web interface for Firmware Upload. At the top left is the BarSTORM logo with the tagline 'Network Barcode Solution'. To the right is a link for 'Print Server Administration'. Below this is a navigation menu with tabs for 'Network', 'Bridge Queues', 'Password Key', 'Firmware', 'Fonts & Overlay', and 'Logout'. The 'Firmware' tab is selected. The main content area is titled 'Evaluation System' and 'Firmware Upload'. It contains the following text: 'This allows you to upload a new version of the OS firmware (currently OS version fw-20051222_1625 with BarDIMM version 3.3A). Avoid interrupting the upload of the firmware image. This process will reboot your device. Wait for this to take place. You will be able to re-connect your browser when the firmware upload has completed. The full process takes approximately 45 seconds.' Below this text is a form with a 'Firmware image:' label, an empty text input field, a 'Browse...' button, and an 'Update Firmware' button. Underneath is a section titled 'Revert Firmware' with the text 'Revert to the last version of the firmware.' and a 'Revert Firmware' button. The Fontware logo is visible in the bottom right corner of the interface.

The Revert Firmware button will allow the user to Revert to the last know working Firmware, a copy of the previous firmware is kept within the unit.

Note: Uploading the same Firmware twice will mean that you will loose the previous version of the Firmware.

Whilst firmware upload should not often be required, It does allow for unknown bugs to be tackled, firmware to be upgraded, new features to be added, and temporary licence keys to be used and loaded easily.

Bridged Queues

The BarSTORM unit can serve Barcodes, fonts and form overlays to up to 50 network ready PCL printers, depending on how the unit is licensed.

Select the Bridge queues page on the web interface, from this page you can manage which input data stream or system queue will be pointed to each output network printer.

Bridge Queue/Port	Printer Type	Location	Network Name or Address	Printer Protocol (Lpd/Raw)	Status	Action
bridge1/port 9111	HP2420	Sales	194.189.60.106	raw (port 9100)	ready	Del
bridge2/port 9112	Lexmark 644	Production	194.189.60.109	raw (port 9100)	ready	Del
bridge3/port 9113	OKI7500	Admin	194.189.60.107	lpd (passthru)	ready	Del
bridge4/port 9114	Konica	Marketing	BSprint1	lpd (9100)	ready	Del
bridge5/port 9115	Epson	Warehouse	BSprint2	lpd (9100)	ready	Del
bridge6/port 9116	Xerox	Development	BSprint3	lpd (9100)	ready	Del
Add/Edit bridge number: 7	<input type="text"/>	<input type="text"/>	<input type="text"/>	lpd <input type="text"/> queue name or port number e.g. "passthru" or 9100:passthru		Update

In this example BSprint1, BSprint2 and BSprint3 are DNS names that must be available to DNS either as resolved names or manually set up in the DNS Tables.

local printers attached via USB will also be shown if connected and powered on as follows:

To edit an existing network printer, enter its number in the box above, along with the new parameters for the printer, and press "Update".

Local Printers

Queue Number	Status	Printer Desc	Action
usb3	connected	MFG:Hewlett-Packard; CMD:PJL_MLC,PCLXL,PCL,PJL_POSTSCRIPT; 1284_4DL_4d,4e,1; MDL:hp LaserJet 2420; CLS:PRINTER; DES:Hewlett-Packard LaserJet 2420	print status
usb4	connected	MANUFACTURER:Lexmark International; COMMAND SET:PCL 6 Emulation, PostScript Level 3 Emulation, NPAP, PjL; MODEL:Lexmark T632; CLS:PRINTER; DES:Lexmark T632; CID:Lexmark_International3146, Lexmark_International60C6, Lexmark_InternationalA147, Lexmark_InternationalA1B7, Lexmark_International1471, Lexmark_InternationalD5F0, Lexmark_International7341, Lexmark_International2B7B, Lexmark_International958C, Lexmark_International5E60; COMMENT:ECP1.0, LV_043D, LP_0071, LF_002E	print status

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(The network printer list box will adjust its width depending on what has been typed in.)

Input fields

Bridge Queue/Port descriptive field that describes bridged network printer and port number.
 e.g. bridge45/port 9155
 Input a number for the bridge queue.

Printer Type User set descriptive only field e.g. PCL Laser

Location User set descriptive only field e.g. Warehouse

Network Name or Address Enter the static IP address of the network printer or if DHCP is being used the DNS printer name for the target output printer.

If a printer name is used the DNS information must be set up on the network DNS servers DNS tables.

Printer Protocol (Lpd / Raw) Select Raw port or LPD from the drop down menu.

Queue name or port number: (Output to printer information)

If Raw port is selected in the printer protocol field the port number should be entered for that specific network printer, normally this is 9100 for most network printers or print servers.

If Lpd is selected in the printer protocol field the print server queue should be entered for the network printer, normally for many network printers or Jetdirect print servers this would be **passthru**.

If the network is **NOT** dhcp and the IP address is fixed then raw port should be used.

BarStorm does not Broadcast out a DNS name.

If you need to use a name to target input to the BarStorm, then you must set one up in your dns tables.

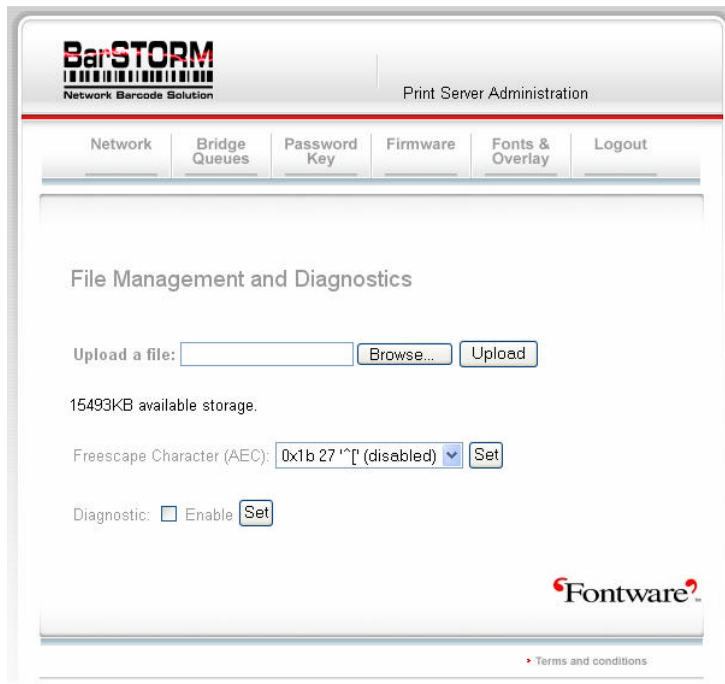
BarStorm can be configured to allow direct IP printing, if only 1 device is attached, which must be via the USB port. Then any data sent directly to the BarStorm without queue information will be sent to the USB connected printer.

Fonts & Overlay

Font & Form Management

Additional Fonts and Form Overlays can be added to the BarSTORM and assigned to be used with specific output ports.

BarStorm contains a number of default fonts and overlays that are activated and be deactivated if required.



From this page you have the option to store any file including, Fonts, Logos, Signatures and Form overlays for any of the output ports, each of the 4 USB ports on the Unit or any of the bridged ports set up on the unit.

The specific information controlling what fonts or Form Overlays are sent to what printer port and when, is defined in the configuration file **CONTROL.txt**, and this is then loaded to the BarSTORM, via this browser page.

All information in this file is **Case sensitive !!!!** , please check the information entered.

Fonts or Form Overlays files are loaded to the printer at a time specified in the control.txt file.

This may be once or before every print job.

An obvious example of an overlay would be a company letter head this is a file that remains constant.

Browse and upload to install the required custom font or Form overlay files and the Control.txt file.

Each font or Form overlay that has been uploaded will be displayed. A delete option will appear beside each uploaded file so that it can be removed if required.

Core Resource Files

There are a number of Core fonts and forms stored on the BarSTORM unit. These form part of the standard configuration of the unit, If required they can be de-configured and not used.

The Core font names if needed can be re-configured in a control file, **core.txt** file as described.

Control.txt and core.txt are configured and work in the same way.

The file names used in **core.txt** are:

JM2dpost.bin – Required for using UPS Maxicode, or 4 State Postal Barcodes

JMsymocr.bin – Required for using OCR fonts, or Manufacturing systems, or Euros as described in Programming manual.

JM6forms.bin – Required for using BarDIMM Odette forms.

BSbcplus.bin – Required if using legacy barcode font sets.

The fonts and form use specific ID's, if you are using these resources, then the incoming data should not contain the same ID's:

Fonts ID's 370 – 396

Form Overlay ID's 300, 301, 302, 303, 304, 311, 312

Once re-configured the new **core.txt** file must be uploaded to the unit and tested.

Associating Fonts and Form Overlays with particular output ports

The control files **control.txt** and **core.txt** contain lines which specify which fonts and overlays should go to which printers. An example line is:

```
usb1: font "font.bin"
```

This indicates "send the font with filename font.bin to the printer on usb1".

You can specify multiple lines per printer and multiple fonts per line:

```
usb1: font "font.bin"
usb1: font "font1.bin"
and
usb1: font "font.bin", font "font1.bin"
are equivalent.
```

In each of these cases, the file is expected to have the font id encoded within it.

If you are sending a raw font, and need to specify the font id, you do it like this:

```
usb1: font "font.bin" <12>
again, you can put multiple entries per line in:
usb3: font "font.bin" <12>, font "font1.bin" <14>
```

Overlays work in a similar way:

```
usb4: font "font.bin" <1>, over lay "ovl1.pcl" <3>
```

Here the setup will send one font as font_id 1, and an overlay as macro id 3.

When an id is included for a font, it causes the following command to be prepended to the font:

```
Esc*c#D
```

where Esc is the escape (or freescape AEC) character and # is the id.

When an id is included for an overlay, the following commands are prepended to the overlay data:

```
Esc&f#Y Esc&f0X
```

where # is the macro id. This is appended to the overlay data to signify the end of the macro data:

```
Esc&f1X
```

In either the font or the overlay case, omitting the id field means that the font/overlay is expected to contain the command to set the font/macro id.

The font_id and macro_id can be in the range 1-32767 inclusive.

Specifying the id <0> is equivalent to omitting the id directive and will NOT have the effect of sending the font as font id 0 (which PCL allows).

If you specify a font twice:

```
usb1: font "font1.bin" <3>, font "font1.bin" <3>
```

It will simply be loaded on to the printer twice before the print job.

You can place as many entries on each line as you want, up to a maximum line length of 1000 characters.

```
usb1: font "font1.bin" <3>, once, font "font1.bin" <3>, overlay "ovlay.pcl", overlay "ovlay1.pcl".
```

Loading macros before each job or just when printer is booted

The default behavior is that the font/overlay will be sent before each printer job. It is possible to tell the BarSTORM server to send the fonts/overlays only when necessary, by adding a keyword to a font/overlay line:

```
usb1: once, font "font1.bin" <4>
```

This means that the font is loaded to the printer on usb1 only once, when the first print job is processed. The font will be re-loaded if the printer is disconnected or power-cycled.

If the line relates to a bridge queue:

```
bridge1: once, font "font1.bin" <4>
```

then the BarSTORM cannot know when the destination printer is power cycled, so the once keyword should not be used.

If several directives are listed for a given printer, the once keyword need only appear on one line. If it appears on *any* line, then the "send when necessary" behavior is enabled.

This:

```
usb1: font "font1.bin" <3>, once
usb1: font "font.bin"
```

means that both font1.bin AND font.bin are sent to the usb1 printer only when necessary (when printer is re-connected/power cycled). It DOESN'T mean that font.bin is sent with each job and font1.bin is sent only once.

The "all" keyword

There is a special keyword which matches all queues:

```
all: font "font.bin", overlay "ovl1.pcl" <10>
```

will cause font.bin to be sent to all connected usb printers and bridge queues. The once keyword can be added here and will then apply to all queues, including bridge queues. (This may be considered bad practice).

Form Overlay Creation

If you have a simple way of creating an overlay, or have existing overlays, then you should be able to use them simply.

Using forms assumes that the overlays are tried, tested and known to work with the intended output printer first.

These filenames should use 8.3 filename format, an 8 character alpha numeric file name plus a 3 character extension i.e. Letter01.prn

Printing the output to file, and trying to edit the output is not a good method, unless you have expertise in that technique.

Fontware supply a service to create overlay files as required, we can also generally accept, Word and PDF master files as input for conversion.

Freescape

The Freescape option shows a selection of available Alternate Escape characters to use. The default is hex1b, ASCII Escape. A new character can be selected from the list and will be active across all ports.

This is used here the host, or the host data can not easily send an ASCII Escape Character, hex1b. An alternate character can be selected from the list and used. The selected character and the ESCAPE character hex1b can both be used at the same time.

The available characters are:

Dec	Hex	Char
27	- 1b	- [!]
34	- 22	- [~]
35	- 23	- [#]
36	- 24	- [\$]
47	- 2f	- [/]
63	- 3f	- [?]
92	- 5c	- [\]
123	- 7b	- [{]
124	- 7c	- []
125	- 7d	- [}]
126	- 7e	- [~]

This setting will apply to all ports.

The software is sophisticated enough to not replace these characters within ordinary data.

The alternate character can also be set via a control code sent in the data:

```
<ESC or AEC>**#J
```

Where # is the ASCII Decimal value of the required character.

i.e.

```
ESC**126J will use and set the "~" tilde character.
```

Diagnostics

The Diagnostics option will allow data capture, pre and post incoming data filtering. This option is set with a check box, and set apply button. When this option is set the unit will write the incoming data to disk, and also write the filtered output data to disk.

Two files are created, prefilter.out, and postfilter.out.

These 2 files will then appear on the File Management page at the top of any existing file list. An option will appear to download these files from the box.

Click on download to get each file, and save to new folder on local host.

These files can then be used for analysis.

This option should be normally switched off.

If the item is selected and switched on, only 1 set of input and output files will be kept, and overwritten with every printjob.

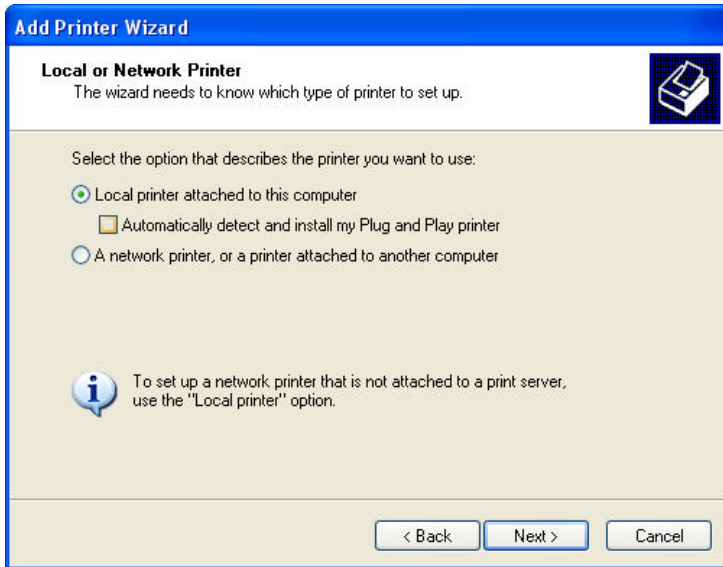
If the unit is set in Diagnostic mode, then all other printing to the unit should be held off.

Windows Printer Setup

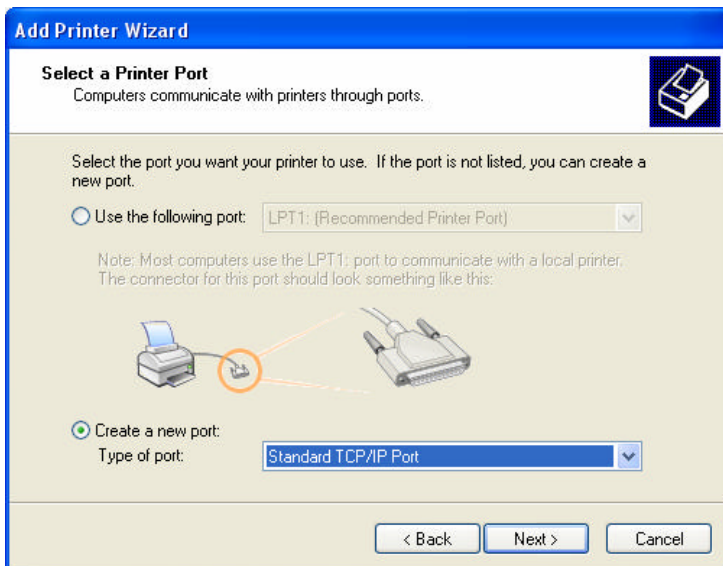
If Windows is used as the printing host, then you can use Windows print queues to send data to the printer via the BarStorm ports.

In Windows:

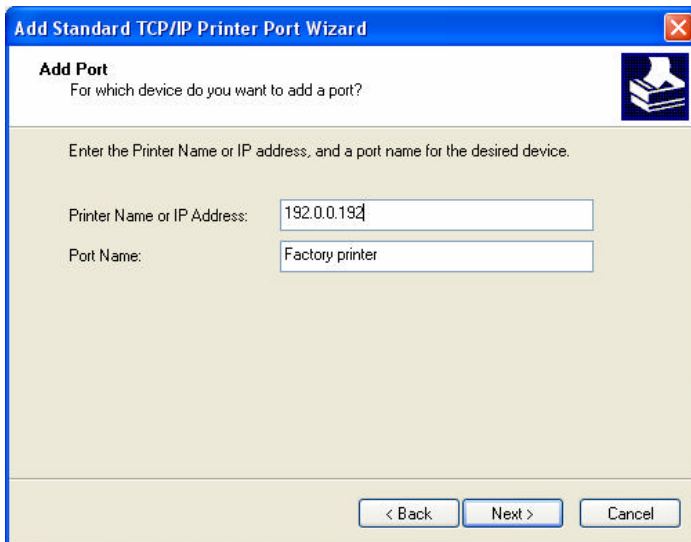
From the **Control Panel** window select **Printers and Faxes**, from Printer tasks menu select **Add Printer**.



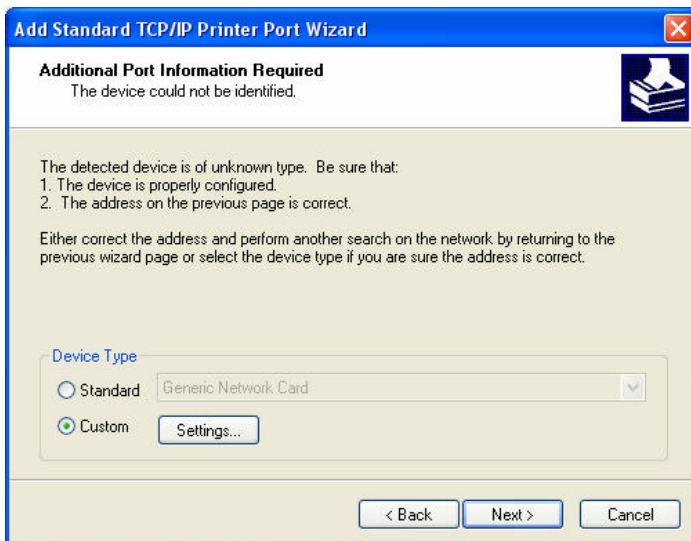
Select **Local Printer** and click **Next**



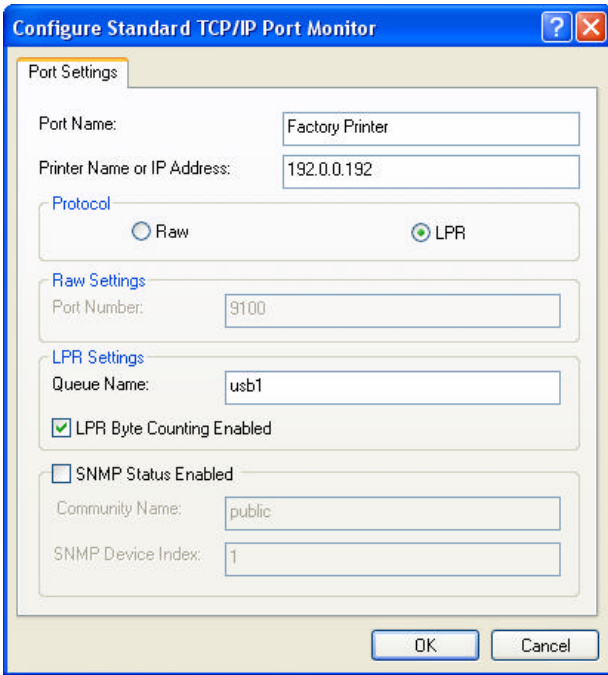
Click **Create a new port** and select **Standard TCP/IP Port** from the drop down menu



Input the Units IP address or Printer name that you have previously selected. Any descriptive printer name can be used. Click **Next**



Select **Custom** and Click **Settings**
Click **Next**



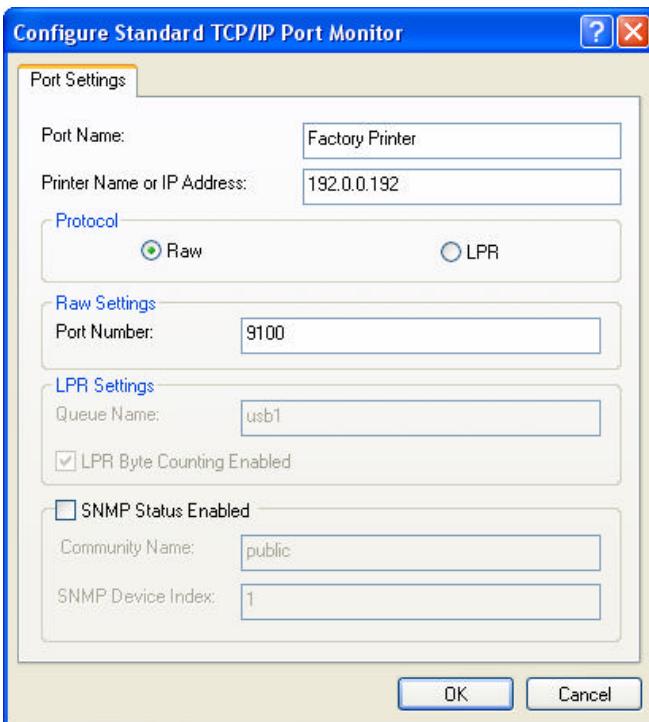
The BarSTORM will support RAW port or LPR settings.

If you select LPR each port on the unit is defined with a different queue name as follows:

- First USB queue name is **usb1**
- Second USB queue name is **usb2**
- Third USB queue name is **usb3**
- Fourth USB queue name is **usb4**

First bridged printer queue name is the **DNS name assigned to that network printer.**

Select **LPR byte counting** and Click **OK**



If you wish to use raw port printing Select **RAW**

The following Port numbers can be used to print from each physical output port or bridged printer set up on the unit.

9100 = USB1
9101 = USB2
9102 = USB3
9103 = USB4
9111 - 9160 = Bridged printers 1 - 50

e.g.

Bridged printer 1 = port 9111
Bridged printer 5 = port 9115
Bridged printer 45 = port 9155

This completes the port setup and you can select your printer type and driver as normal.

Test Data Files

Test data is provided with the unit. These files are PCL files that will show you the capabilities of the BarSTORM.

The testfiles are PCL files as supplied on the CD these are in the BSfiles folder as *.pcl files.

There are many ways to send data to the unit once configured depending on the system attached to.

The easiest way to send this data to a connected PCL5 printer on the BarSTORM is to use:

DOS/UNIX

```
lpr -S <ipaddress> -P <portname> -o l <filename>
i.e.
lpr -S 192.189.60.110 -P bridge1 -o l bspdf417.pcl
or
lpr -S 192.189.60.110 -P usb1 -o l bspdf417.pcl
or
lpr -S Barstorm1 -P bridge2 -o l bspdf417.pcl
```

Where BarStorm1 is a preset name setup in the dns tables.
-o l allows binary files to be sent correctly.

Also if queue names have been configured then use:
copy/b bspdf417.pcl \\servername\queuename
i.e.
copy/b bspdf417.pcl \\Server_1\printer_queue_1

Also provided are some other useful files.

Use the DOS Utility on the CD, BSDEMO.bat. It requires you enter the IP address and bridge name, or can be edited and changed as required.

```

Command Prompt - bsdemo

PRINT SAMPLES TO BarSTORM <Port>
*****
current address 192.0.0.192
current bridge usb1

Input BarSTORM IP Address:
Bridge Port:
Select File
*****
1: 1D Codes
2: 2D Codes
3: Postal Codes
4: Optical Marks
5: Symbol Fonts
6: BCPlus Data Set
7: Any File (*.pcl)
X: Return

Select File to Print[1,2,3,4,5,6,7,X]?

```

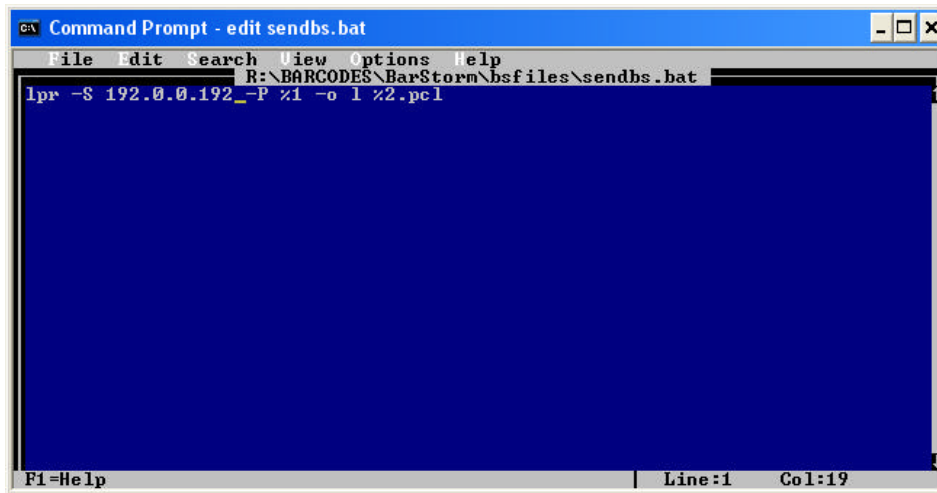
Use the DOS Batch file on the CD SendBS.

It takes two parameters of a <portname> and the <filename> to be printed.

The portname will be a valid bridge name or valid usb# port.

The filename is a valid pcl filename without the .pcl extension.

The batch file contains an IP address, so should be edited as required.



```

Command Prompt - edit sendbs.bat
File Edit Search View Options Help
R:\BARCODES\BarStorm\bsfiles\sendbs.bat
lpr -S 192.0.0.192 -P %1 -o 1 %2.pcl
F1=Help | Line:1 Col:19
  
```

For example:

After editing the `SendBS.bat` to have the correct IP address (if the unit has a different IP address from the default 192.0.0.192) use the DOS command:

i.e.

```
SendBS bridge1 bspdf417
```

or

```
SendBS usb1 bspdf417
```

The printer connected to bridge1 will print the PDF417 bar code examples.

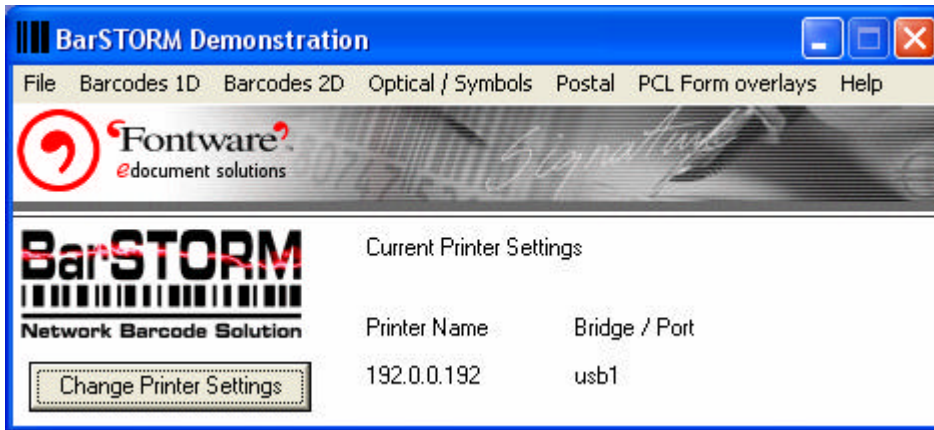
The printer connected to USB1 will print the PDF417 bar code examples.

Windows Utility

Install the Windows Utility on CD.

It will install files on your system to the “\program files\fontware\barstorm\” folder.

The demo program is BSDEMO.exe



This program, will allow you to test / demonstrate that the BarStorm unit is printing and processing Barcoded prints from an easy Windows interface.

Use the change Printer Settings option to set the required IP address of the BarStorm, and which usb or bridged port to use.

If you have pre-configured a Windows print queue to print to the BarStorm, this can alternatively be selected as the target device.

Each dropdown menu will print pre-selected and installed files to the target printer for test.

The PCL Form option simply allows you to enter the Macro ID number of any Forms that may have been configured into the BarStorm, a default test form is delivered on the unit with a form ID 312.

The File option, allows you to select any file that you wish to print via the BarStorm unit as a test.

(This program is simply sending data via an LPR process).

Support Information

BarSTORM Supplier:

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