Section 1: Server Configuration

- 1. Install Apache server (XAMPP).
 - <u>https://www.apachefriends.org/download.html</u>

| XAMPP for Windows 5.5.30, 5.6.15 & 7.0.2 | | | | | | | |
|---|---------------------|---------------------|-------|------|-------------------|--------|--|
| | Version | | Check | sum | | Size | |
| | 5.5.30 / PHP 5.5.30 | What's Included? | md5 | sha1 | Download (32 bit) | 106 Mb | |

- 2. Run the XAMPP Control Panel as an administrator [right click > Run as administrator].
- 3. Click Start on Apache and MySQL.

| 8 | XAMPP Co | ontrol Panel v | /3.2.1 [Compiled | d: May 7th 2013] | | | | (\Rightarrow) | |
|---|----------------------------|----------------|------------------|-------------------|---------|-------|-----------|-----------------|---------------|
| | XAMPP Control Panel v3.2.1 | | | | | | Je Config | | |
| | Modules Service | Module | PID(s) | Port(s) | Actions | | | | 🕜 Netstat |
| | × | Apache | 7480 4952 | 80, 443 | Stop | Admin | Config | Logs | Shell |
| | × | MySQL | 10324 | 3306 | Stop | Admin | Config | Logs | Explorer |
| | × | FileZilla | | | Start | Admin | Config | Logs | Services |
| | | Mercury | | | Start | Admin | Config | Logs | O Help |
| | × | Tomcat | | | Start | Admin | Config | Logs | Quit |

• Make sure any applications that may be using port 80 are terminated [i.e. Skype].

- 4. Download & extract [unzip] the following two files and copy them into C:\xampp\htdocs.
 - gswebserver.zip
 - datacollector.zip



5. To make sure the Apache server has installed properly type

<u>http://localhost/gswebserver/index.html</u> into a web browser. The page below should be displayed:



Enter

- 6. Configure the SQL database by pressing the **Admin** button in XAMPP control panel.
 - Select test
 - Set the Name to datacollector
 - Change the **Number of columns** to **2**
 - Click Go

| ohoMuAdmin | ← 📑 Server: 127.0.0.1 » 🗊 Database: test | | | | |
|-------------------|--|----|--|--|--|
| <u>↑</u> 🗟 😡 🗊 🕿 | 📝 Structure 📄 SQL 🔍 Search 🔻 More | | | | |
| Recent Favorites | No tables found in database. | | | | |
| e cdcol | Create table | | | | |
| mysql | Name: datacollector | | | | |
| perormance_screma | Number of columns: 2 | | | | |
| ie test | | | | | |
| € webauth | | Go | | | |

- 7. Configure the table with the following values:
 - Row 1: Name = **barcode_data**, type = **TEXT**
 - Row 2: Name = timestamp, type = TIMESTAMP
 - Click Save

| Name | Туре 😡 | Length/Values 😡 | Default 😡 | |
|-----------------|-----------------------|-----------------|-----------|--|
| barcode_data | TEXT • TIMESTAMP • | | None | |
| Table comments: | 9 | Storage Engine | Collation | |
| | | | | |
| | | | Save | |

 To make sure everything installed properly type <u>http://localhost/datacollector/CheckUpdateData.php</u> into a web browser. The page below should be displayed:



Barcode data received from KDC [num: 0]

0 results

Section 2: KDC Configuration

The following steps demonstrate how to configure the WiFi settings via programming barcodes. The user can also manually enter WiFi settings directly on the scanner by pressing the Menu Button > WiFi Config and using the keypad to type in the settings.

The **Port** and **Server page** should be set to the following:

- PORT #: 80(HTTP) if SSL is Disabled **OR** 443(HTTPS) if SSL is Enabled
- SERVER PAGE: /datacollector/InsertData.php?data=

The user will enter their own AP SSID, AP Passcode, and IP Address.

Scanning programming barcodes

The following is an example on how to configure the Server page using programming barcodes. The user will have to create their own custom barcodes for each AP setting (SSID, Passcode, IP Address).

For the full list of programming barcodes visit:

https://koamtac.com/wp-content/uploads/HowToUseKDC350WiFi V1.1 20151219.pdf

1. Scan the server page barcode



2. Scan the following barcode, which contains the server page information:



3. Done! The server page was now set to /datacollector/InsertData.php?data=



Scan Server IP followed by custom barcode containing the IP Address



Scan AP SSID followed by custom barcode containing the AP SSID



Scan AP Passcode followed by custom barcode containing the AP passcode

Once your scanner is configured, scan WiFi Enable followed by Connect. Done!





When scanning barcodes, the user should receive the message "[POST] Scan Successful" when the data is transmitted to the server.