

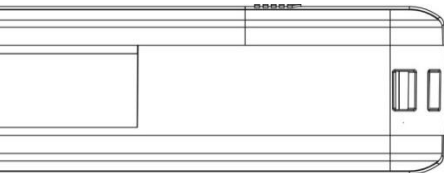
# Garment Inspection and Reporting System

成衣检测及报表系统

GS-188

## User Manual

用戶手冊



***GIRS***™

**Warning:**

Changes or modifications to this equipment and/or program not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

**NOTE:**

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the equipment and/or the USB receiver

- Increase the separation between the equipment and USB receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

|    |                                           |    |
|----|-------------------------------------------|----|
| 1. | Introduction.....                         | 4  |
| 2. | Getting Started.....                      | 5  |
| 3. | Digital Measuring Tape Illustrations..... | 6  |
| 4. | Use your Measuring Tape.....              | 7  |
|    | 4.1 Power On.....                         | 7  |
|    | 4.2 Measure, Lock and Unlock.....         | 7  |
|    | 4.3 Unit Conversion.....                  | 7  |
|    | 4.4 Set Zero.....                         | 8  |
|    | 4.5 USB Receiver.....                     | 8  |
|    | 4.6 Data Transfer.....                    | 9  |
|    | 4.7 Power Off.....                        | 9  |
|    | 4.8 Battery Replacement.....              | 9  |
| 5. | Program Installation.....                 | 10 |
|    | 5.1 Computer System Requirements.....     | 10 |
|    | 5.2 Installation of Database Server.....  | 11 |
|    | 5.3 SQL Server Setting.....               | 25 |
|    | 5.4 Installation of GIRS Program.....     | 36 |

| Table of Content | Page no. |
|------------------|----------|
|------------------|----------|

|       |                                    |    |
|-------|------------------------------------|----|
| 6.    | How to Use GIRS.....               | 40 |
| 6.1   | GIRS Supervisor.....               | 42 |
| 6.1.1 | User Setup.....                    | 44 |
| 6.1.2 | Specification.....                 | 49 |
| 6.1.3 | Inspection Result.....             | 56 |
| 6.2   | GIRS Inspector.....                | 59 |
| 6.2.1 | Specification.....                 | 61 |
| 6.2.2 | Inspection Record.....             | 63 |
| 6.2.3 | Report.....                        | 65 |
| 7.    | Network Application.....           | 67 |
| 7.1   | Client Station Setting .....       | 69 |
| 8.    | Data Maintenance.....              | 71 |
| 9.    | Trouble Shooting and Services..... | 72 |
| 10.   | Warranty.....                      | 74 |
| 11.   | Product Specifications.....        | 75 |

## 1. Introduction

Thank you for purchase of our GIRS model GS-188 Garment Inspection and Reporting System. Our product and software is intended to be used in the inspection process of manufactured garments. For the best result of our system, please read this manual carefully and follow the instructions step by step.

The product can be used on a stand-alone or networked multi-user environment. The application software is designed to be simple and user-friendly. However, as it involves selection of proper computer configuration and installation of software programs, it would require relevant computer knowledge. It is strongly recommended for you to consult your computer or IT staff to select and set-up the correct network and hardware configuration so that the system can achieve the best efficiency.

The digital measuring tape and software program are specially and uniquely designed for this system. The manufacturer does not guarantee proper function and performance of this system if other measuring device or software program were being used.

## 2. Getting Started

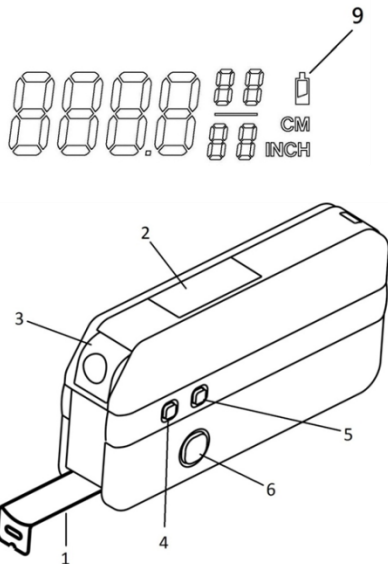
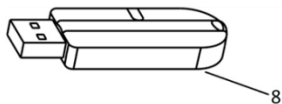
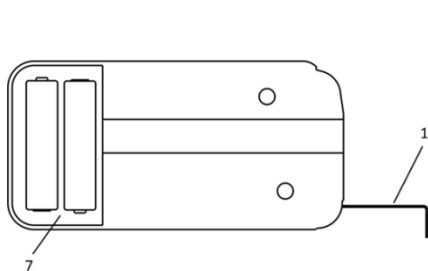
The following items should come with your purchased package:

- Digital measuring tape
- Software diskette
- USB receiver
- User manual
- Lanyard holder
- Quick start guide

Make available the desktop or laptop computer, with appropriate operating system and configuration as specified in Chapter 5.

(Note : The measuring tape and USB receiver are matched one-to-one before leaving factory. If you have more than one set of this product used in your site, do not mix the USB receiver with another measuring tape. The label on the USB receiver and the label inside the battery compartment of the measuring tape carry the same serial number)

### 3. Digital Measuring Tape Illustrations



## **4. Use Your Measuring Tape**

### **4.1 Power On**

Install two AAA size batteries into the battery compartment (7). The measuring tape will be powered on by pressing any one of the key switches (4, 5 or 6).

### **4.2 Measure, Lock and Unlock**

Start measuring by pulling out the tape (1).

When stop pulling, the tape will be locked automatically at that position.

To unlock the tape, press the unlock button (3), the tape will be retracted.

### **4.3 Unit Conversion**

Measured dimensions will be shown on the display unit (2) in CM or INCH.

By pressing the IN-CM key switch (4), the dimension on the display unit can be converted from CM to INCH or from INCH to CM.



## **4.4 Set Zero**

When the tape is fully retracted, the reading on the display unit should be “0.0”. In case, when the tape is fully retracted and the reading on the display unit is not “0.0”, you should press the ZERO key switch (5). The reading on the display unit will be set to “0.0”.

## **4.5 USB Receiver**

Plug in the USB receiver (8) into any USB port of your computer. The LED on the receiver will light on.

Note : The measuring tape and USB receiver are one-to-one matching pair before leaving factory. If you have more than one set of this product used in your site, do not mix the USB receiver with another measuring tape. The label on the USB receiver and the label inside the battery compartment of the measuring tape should carry the same serial number)

Install and startup your database program as per Chapter 5. Select the subject you want to inspect and measure.

## **4.6 Data Transfer**

When a dimension is measured, by pressing the “TRANSFER” key switch (6), the reading on the display unit will be transferred to your computer via the USB receiver (8). You should hear a “DING” sound from your computer to confirm the data has been transferred and received.

## **4.7 Power Off**

When the measuring tape is left idle for 60 seconds, the equipment will be automatically powered off.

## **4.8 Battery Replacement**

When the battery level of the measuring tape drops to the pre-set low limit, the battery-low warning signal (9) on the display unit will flash. The measuring tape can be used for a few more hours. However, you should prepare to replace the old batteries with new batteries.

## 5. Program Installation

### 5.1 Computer System Requirement

GIRS is designed to operate in Microsoft Windows under a database platform MS SQL Server 2012 Express. (SQL Server 2012 Express can be downloaded freely from MS Download Center, please read the system requirement therein)

*Note : Please install SQL Server 2012 Express before installation of GIRS*

The following Window Operating System and computer configuration is required :

Windows 7, Windows Vista SP2, Windows Server 2008 R2 or Windows Server 2008 SP2

- For 32-bit systems
  - ✓ Computer with Intel or compatible 1GHz or faster processor (2 GHz or faster is recommended.)
- For 64-bit systems
  - ✓ Computer with Intel or compatible 1.4 GHz or faster processor
- Minimum of 512 MB of RAM (2 GB or more is recommended.)
- 2.2 GB of available hard disk space

## 5.2 Installation of Database Server

SQL Server 2012 Express can be downloaded freely from the following site :

Microsoft Download Center :

English version :

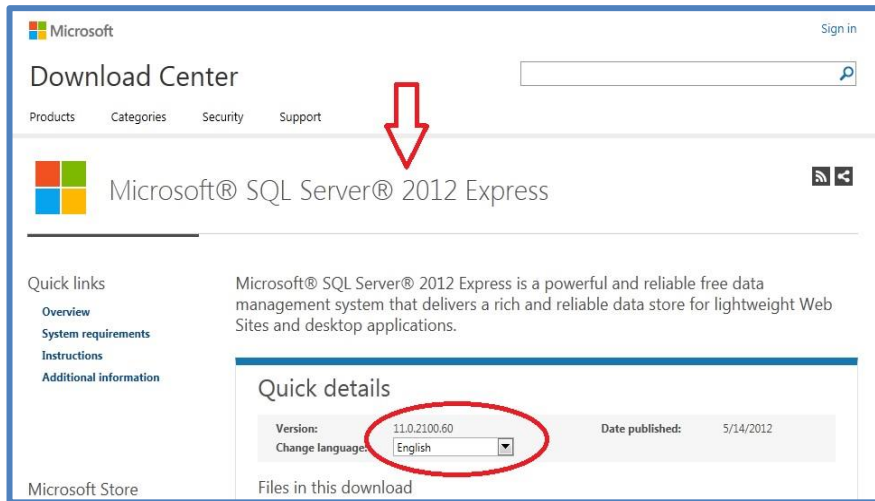
<http://www.microsoft.com/en-us/download/details.aspx?id=29062>

SQL Server 2012 Express installation needs the Windows foundation program, Microsoft .Net Framework 3.5 SP1, which is normally pre-installed during installation of MS Windows. If the foundation program is missing in your Windows system, you will be notified to install it during SQL Server installation. Please follow the on-screen instruction.

*Remark: Only one computer installed with SQL Server is needed in multi-PC network environment, also refer to Chapter 7*

## 5.2 Installation of Database Server (cont.)

Please follow the instruction of MS Download Center to install :



The screenshot shows the Microsoft Download Center page for Microsoft SQL Server 2012 Express. The page layout includes a Microsoft logo and 'Sign in' link at the top right. Below the 'Download Center' header is a navigation bar with 'Products', 'Categories', 'Security', and 'Support'. A search bar is located to the right of the navigation bar. A red arrow points to the search bar. Below the navigation bar is the product title 'Microsoft® SQL Server® 2012 Express' with a Microsoft logo and social media icons. On the left, there is a 'Quick links' section with links to 'Overview', 'System requirements', 'Instructions', and 'Additional information'. The main content area describes the product as a powerful and reliable free data management system. Below this is a 'Quick details' section with a table-like structure. The table has two rows: 'Version:' and 'Date published:'. The 'Version:' row shows '11.0.2100.60' and a 'Change language:' dropdown menu set to 'English'. The 'Date published:' row shows '5/14/2012'. A red circle highlights the 'Version:' and 'Change language:' row. At the bottom, there is a 'Files in this download' section.

Microsoft

Sign in

# Download Center

Products Categories Security Support

Microsoft® SQL Server® 2012 Express

Quick links

- Overview
- System requirements
- Instructions
- Additional information

Microsoft® SQL Server® 2012 Express is a powerful and reliable free data management system that delivers a rich and reliable data store for lightweight Web Sites and desktop applications.

### Quick details

|                  |              |                 |           |
|------------------|--------------|-----------------|-----------|
| Version:         | 11.0.2100.60 | Date published: | 5/14/2012 |
| Change language: | English      |                 |           |

Microsoft Store

Files in this download

## 5.2 Installation of Database Server (cont.)

Select Language, download “SQLEXPRT\_x86” (for 32bit/64 bit systems) to install SQL Server 2012 Express.

The screenshot shows the Microsoft download page for SQL Server 2012 Express. At the top, the version is 11.0.2100.60 and the date published is 5/14/2012. The language is set to English, which is circled in red. Below this, a table lists the files available for download. The file 'ENU\x86\SQLEXPRT\_x86\_ENU.exe' is circled in red, and a red arrow points to its 'DOWNLOAD' button. An 'Extracting Files' dialog box is overlaid on the table, showing the extraction of a file to a specific directory.

Version: 11.0.2100.60 Date published: 5/14/2012  
Change language: English

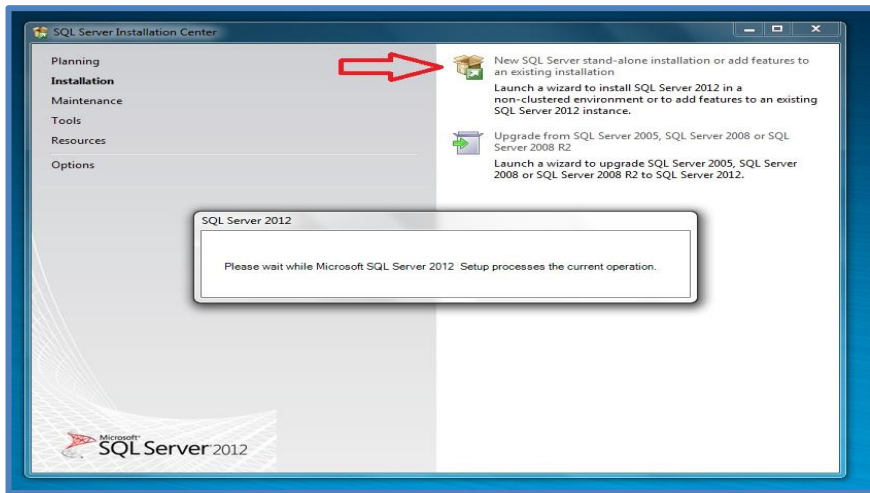
Files in this download  
The links in this section correspond to files available for this download. Download the files appropriate for you.

| File name                               | Size     |                          |
|-----------------------------------------|----------|--------------------------|
| ENU\x64\SQLEXPRT_x64_ENU.exe            | 132.3 MB | <a href="#">DOWNLOAD</a> |
| ENU\x64\SQLEXPRTDV_x64_ENU.exe          | 1.3 GB   | <a href="#">DOWNLOAD</a> |
| ENU\x64\SQLEXPRT_x64_ENU.exe            | 4B       | <a href="#">DOWNLOAD</a> |
| ENU\x64\SqllLoc                         | 3        | <a href="#">DOWNLOAD</a> |
| ENU\x64\SQLEXPRT_x64_ENU.exe            | 4B       | <a href="#">DOWNLOAD</a> |
| ENU\x86\SQLEXPRT_x86_ENU.exe            | 101.5 MB | <a href="#">DOWNLOAD</a> |
| ENU\x86\SQLEXPRTDV_x86_ENU.exe          | 1.3 GB   | <a href="#">DOWNLOAD</a> |
| ENU\x86\SQLEXPRT_x86_ENU.exe            | 706.1 MB | <a href="#">DOWNLOAD</a> |
| ENU\x86\SqllLocLDB.MSI                  | 27.8 MB  | <a href="#">DOWNLOAD</a> |
| ENU\x86\SQLManagementStudio_x86_ENU.exe | 614.9 MB | <a href="#">DOWNLOAD</a> |

Extracting Files  
Extracting File: 1033\_enu\_x86\setup\sqlsupport\_msi\files\c:\Scdbf129b-405b-23f59b94ea3a1  
To Directory: c:\Scdbf129b-405b-23f59b94ea3a1

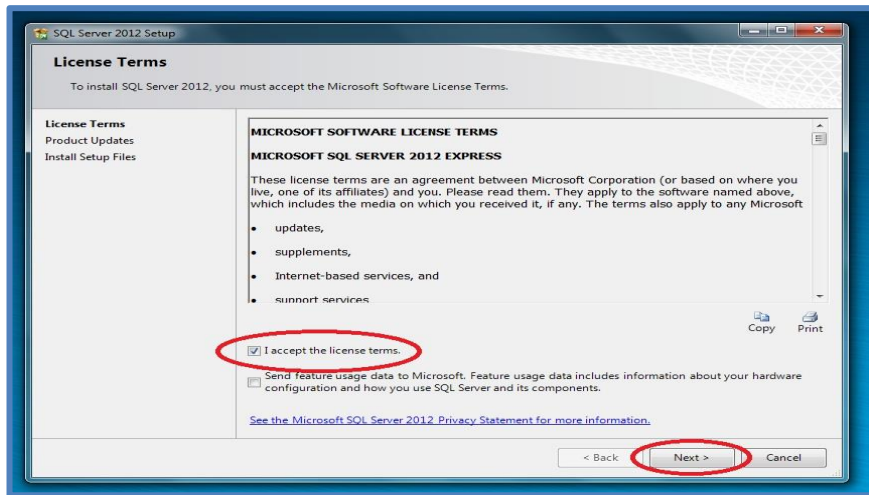
## 5.2 Installation of Database Server (cont.)

Select “New Installation”



## 5.2 Installation of Database Server (cont.)

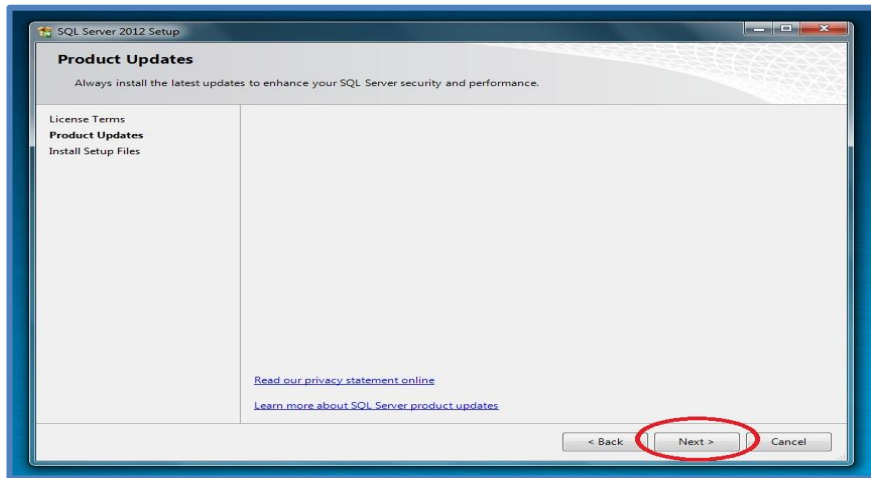
Accept the License Terms, then click “Next”





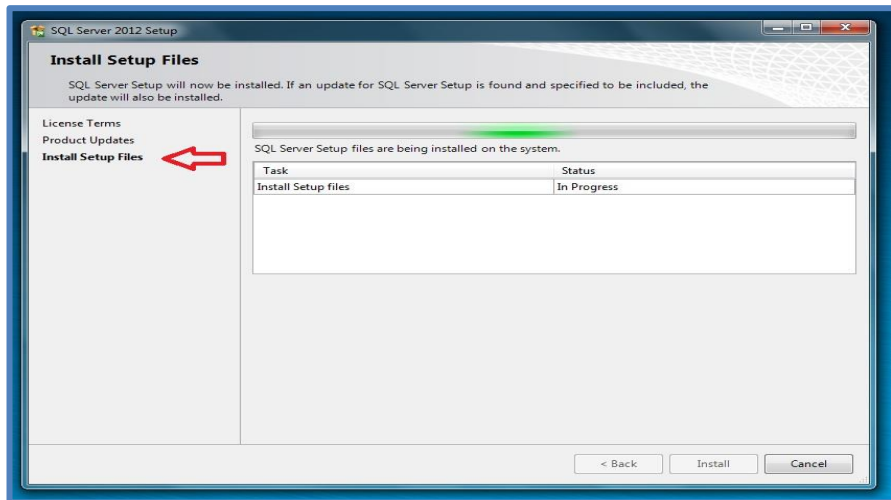
## 5.2 Installation of Database Server (cont.)

Installation will check for product updates when internet service is connected.  
Click “Next” to continue...



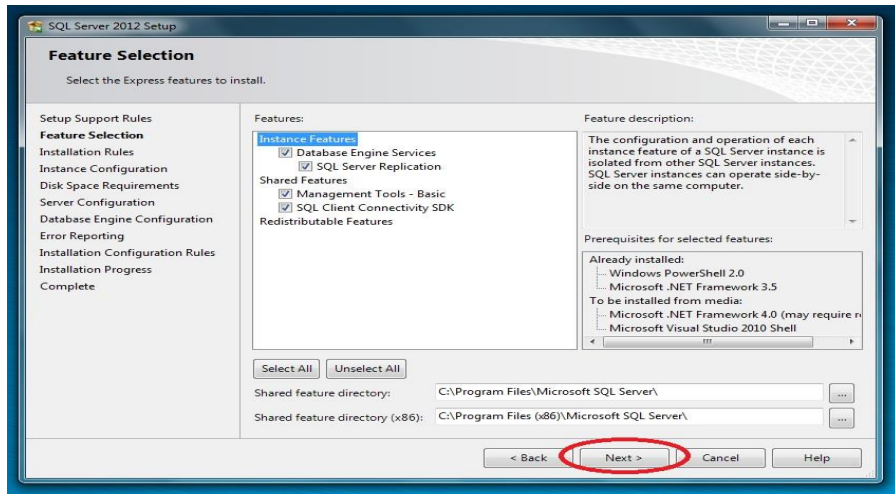
## 5.2 Installation of Database Server (cont.)

Installation in progress...



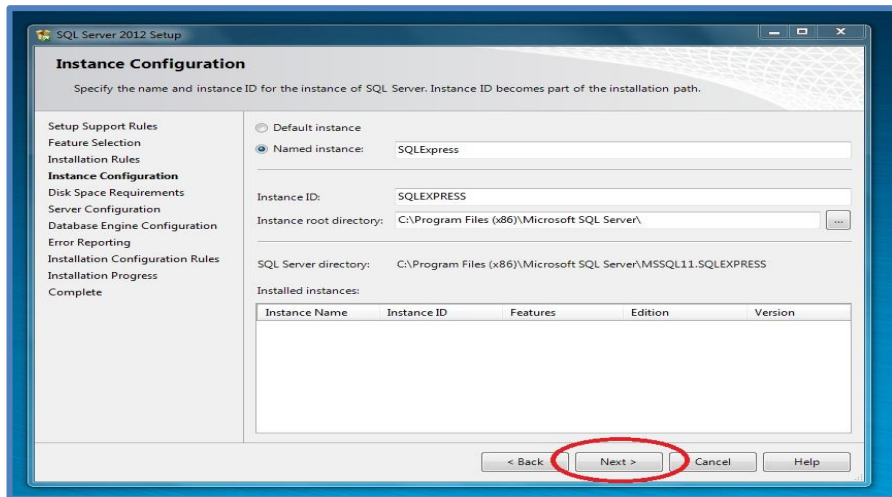
## 5.2 Installation of Database Server (cont.)

Click “Next” to continue...



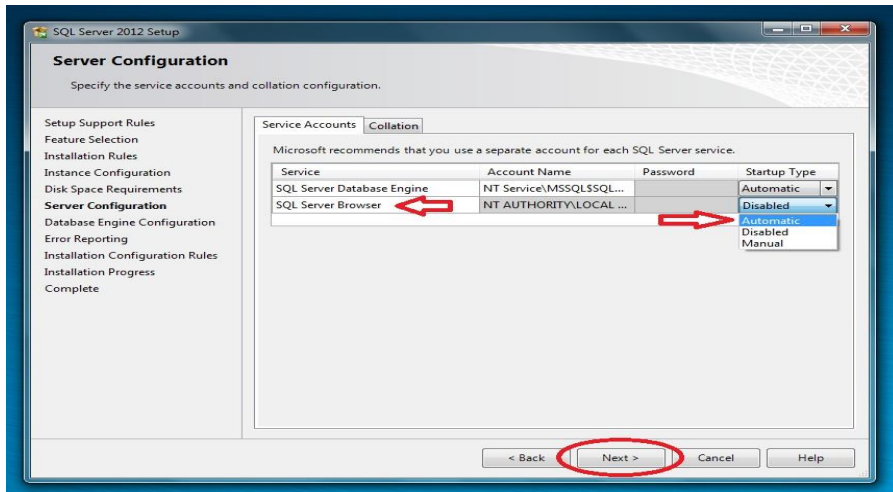
## 5.2 Installation of Database Server (cont.)

Click “Next” to continue...



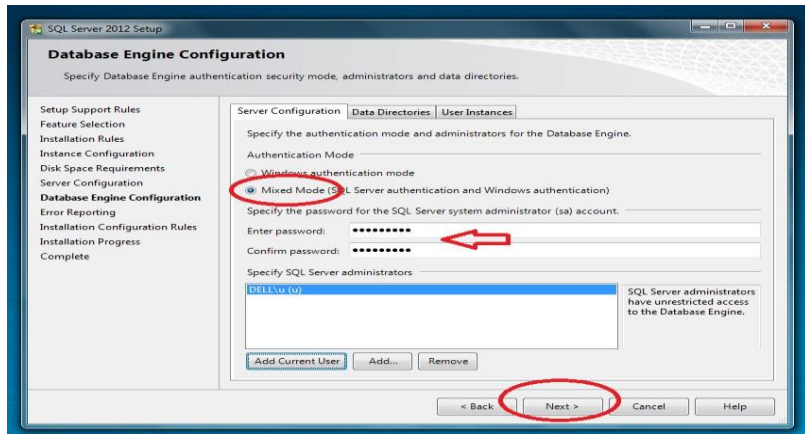
## 5.2 Installation of Database Server (cont.)

Set “SQL Server Browser” to Automatic and click “Next” to continue...



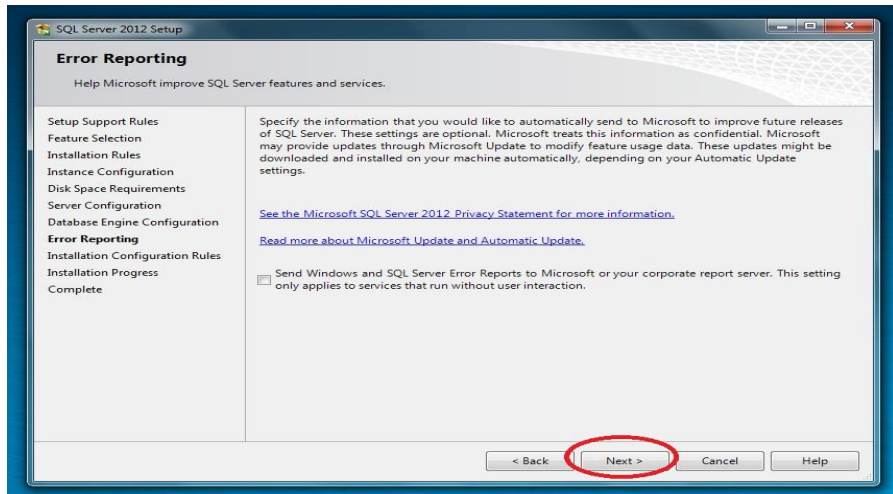
## 5.2 Installation of Database Server (cont.)

Set “Authentication Mode” to “Mixed Mode”, then enter and confirm password.  
E.g. Password = GIRSAdmin, but can choose another password.  
Click “Next” to continue...



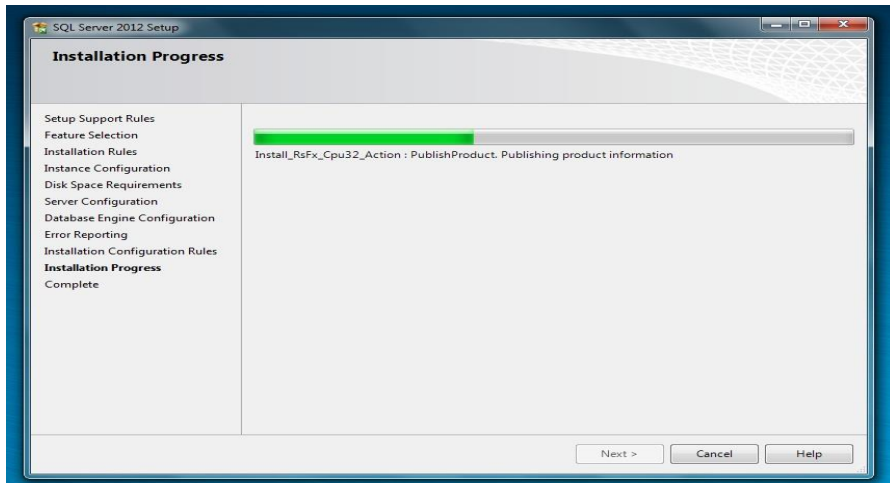
## 5.2 Installation of Database Server (cont.)

Click “Next” to continue...



## 5.2 Installation of Database Server (cont.)

Installation in progress...

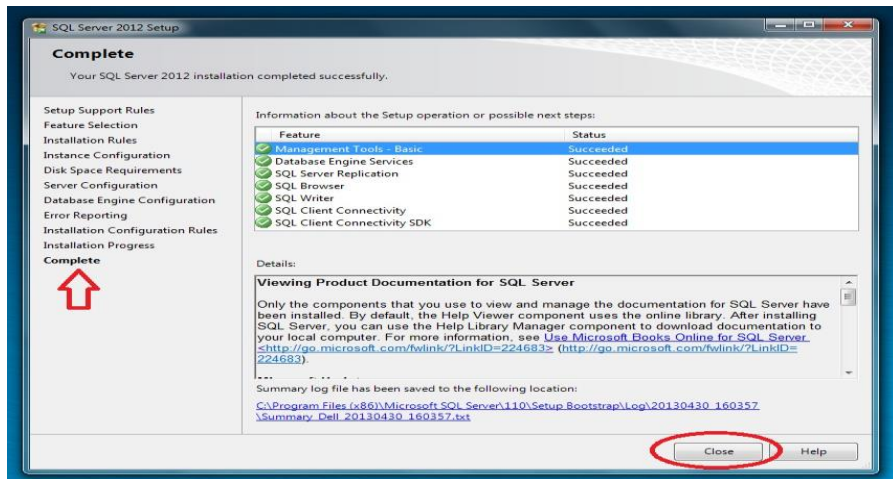




## 5.2 Installation of Database Server (cont.)

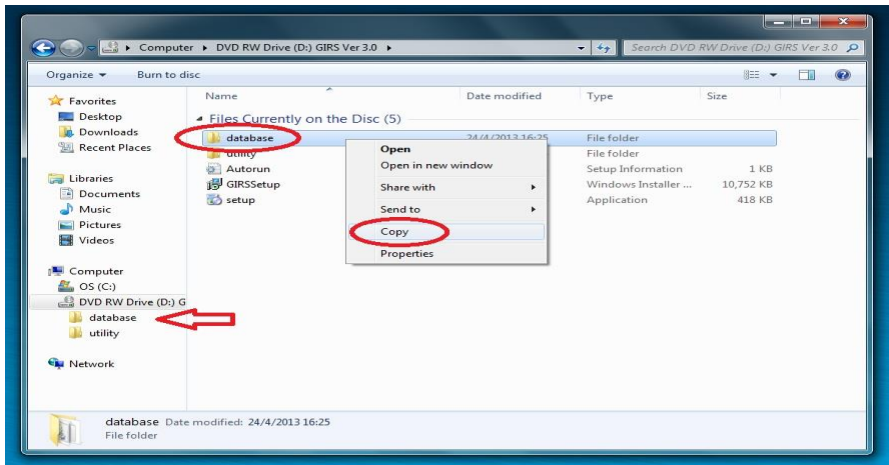
Installation of SQL Server is completed.

“Close” SQL Server 2012 Setup.



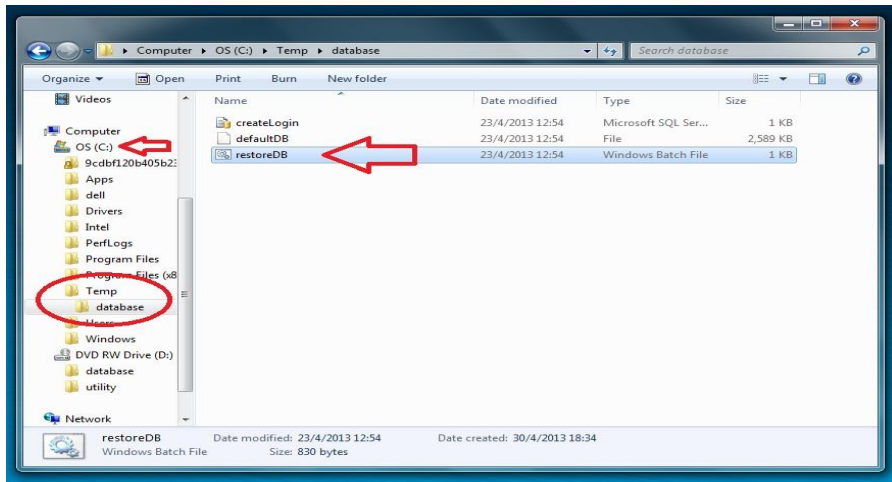
## 5.3 SQL Server Setting

Place the GIRS program disc in the CD-Rom tray. Open file folder to view.  
Copy the folder D:\database to C:\Temp\



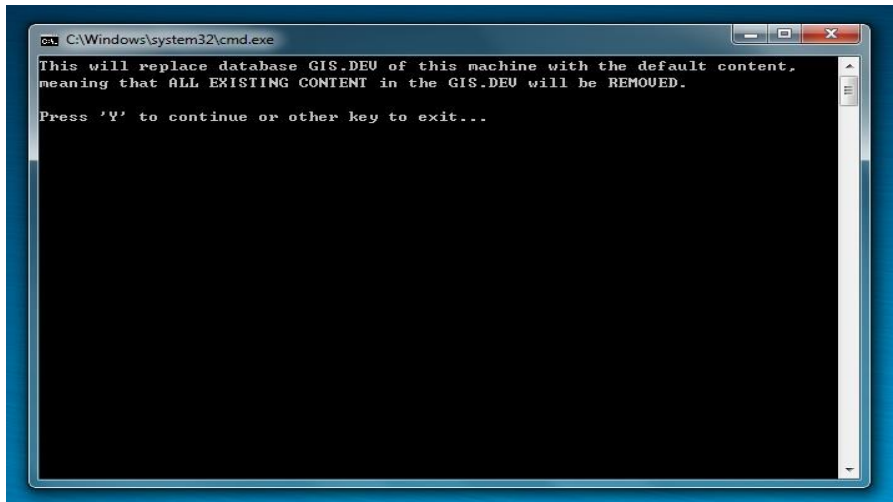
### 5.3 SQL Server Setting (cont.)

Double click to run “restoreDB” at C:\Temp\database



## 5.3 SQL Server Setting (cont.)

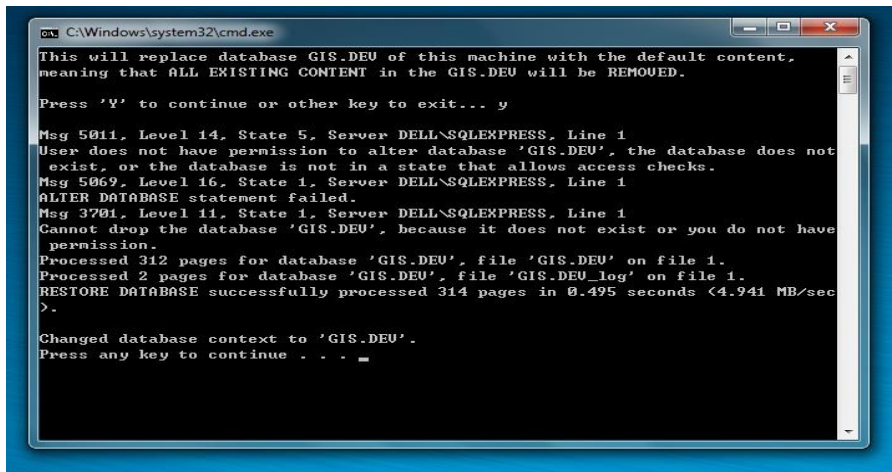
Press 'Y' to continue...



## 5.3 SQL Server Setting (cont.)

Press any key to continue...

Now the database of SQL Server is restored.

A screenshot of a Windows command prompt window titled 'C:\Windows\system32\cmd.exe'. The window has a black background with white text. The text shows the execution of a SQL Server restore command. It starts with a warning: 'This will replace database GIS.DEU of this machine with the default content, meaning that ALL EXISTING CONTENT in the GIS.DEU will be REMOVED.' This is followed by a prompt 'Press 'Y' to continue or other key to exit... y'. Then, several error messages are displayed: 'Msg 5011, Level 14, State 5, Server DELL\SQLEXPRESS, Line 1 User does not have permission to alter database 'GIS.DEU', the database does not exist, or the database is not in a state that allows access checks.', 'Msg 5069, Level 16, State 1, Server DELL\SQLEXPRESS, Line 1 ALTER DATABASE statement failed.', and 'Msg 3701, Level 11, State 1, Server DELL\SQLEXPRESS, Line 1 Cannot drop the database 'GIS.DEU', because it does not exist or you do not have permission.' After the errors, the successful completion of the restore is reported: 'Processed 312 pages for database 'GIS.DEU', file 'GIS.DEU' on file 1.', 'Processed 2 pages for database 'GIS.DEU', file 'GIS.DEU\_log' on file 1.', and 'RESTORE DATABASE successfully processed 314 pages in 0.495 seconds (4.941 MB/sec)'. The window ends with 'Changed database context to 'GIS.DEU'.' and 'Press any key to continue . . .'.

```
C:\Windows\system32\cmd.exe
This will replace database GIS.DEU of this machine with the default content,
meaning that ALL EXISTING CONTENT in the GIS.DEU will be REMOVED.

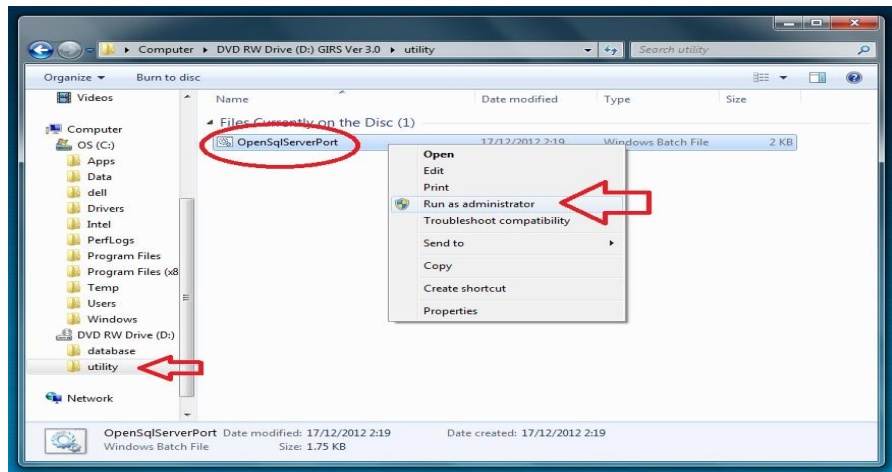
Press 'Y' to continue or other key to exit... y

Msg 5011, Level 14, State 5, Server DELL\SQLEXPRESS, Line 1
User does not have permission to alter database 'GIS.DEU', the database does not
exist, or the database is not in a state that allows access checks.
Msg 5069, Level 16, State 1, Server DELL\SQLEXPRESS, Line 1
ALTER DATABASE statement failed.
Msg 3701, Level 11, State 1, Server DELL\SQLEXPRESS, Line 1
Cannot drop the database 'GIS.DEU', because it does not exist or you do not have
permission.
Processed 312 pages for database 'GIS.DEU', file 'GIS.DEU' on file 1.
Processed 2 pages for database 'GIS.DEU', file 'GIS.DEU_log' on file 1.
RESTORE DATABASE successfully processed 314 pages in 0.495 seconds (4.941 MB/sec
).

Changed database context to 'GIS.DEU'.
Press any key to continue . . .
```

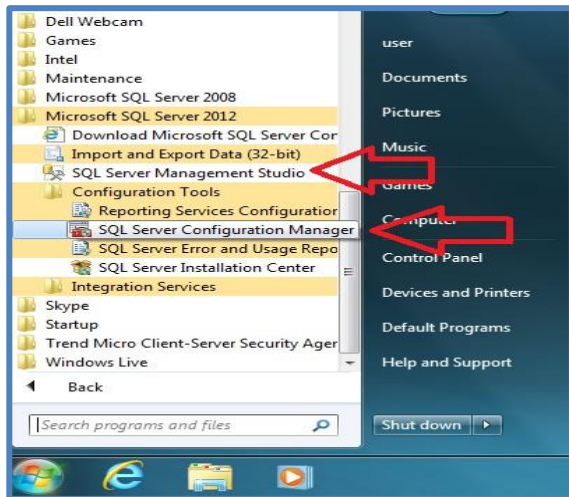
## 5.3 SQL Server Setting (cont.)

Use administrator mode to run D:\utility\OpenSqlServerPort in GIRS program disc (open SQL server port)



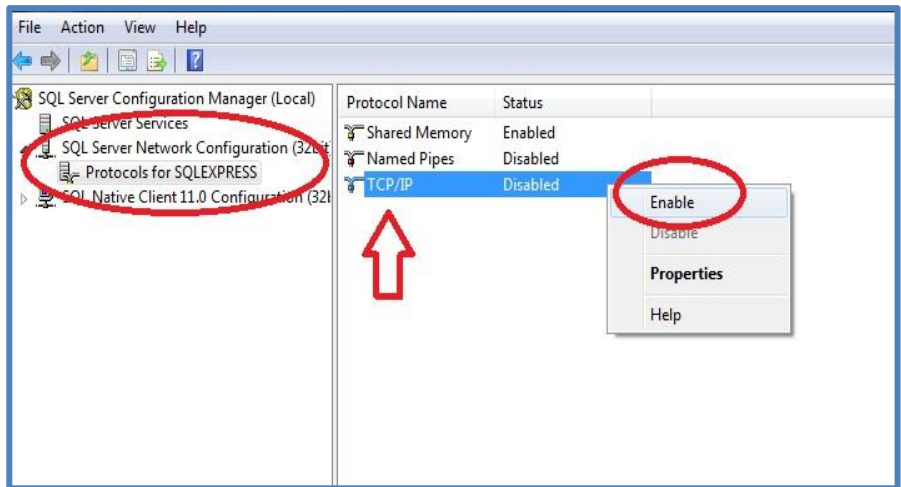
### 5.3 SQL Server Setting (cont.)

Open SQL Server Configuration Manager



## 5.3 SQL Server Setting (cont.)

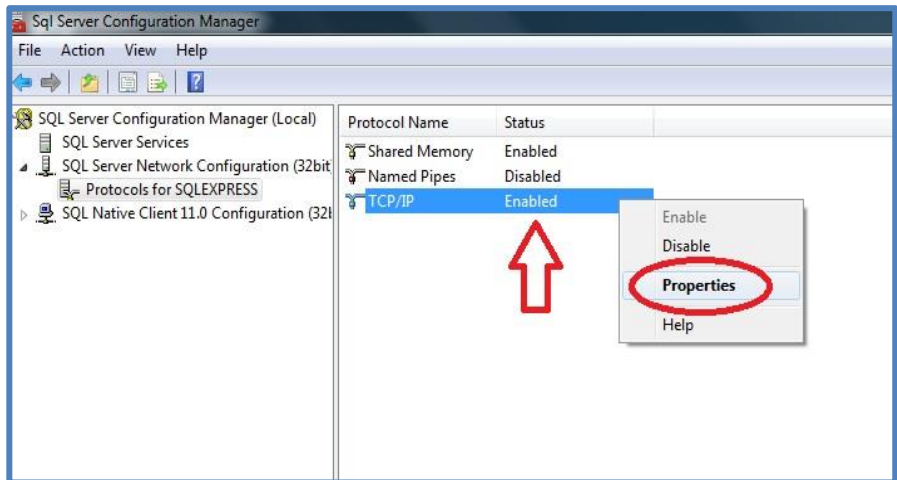
Enable TCP/IP from SQL Server Configuration Manager





## 5.3 SQL Server Setting (cont.)

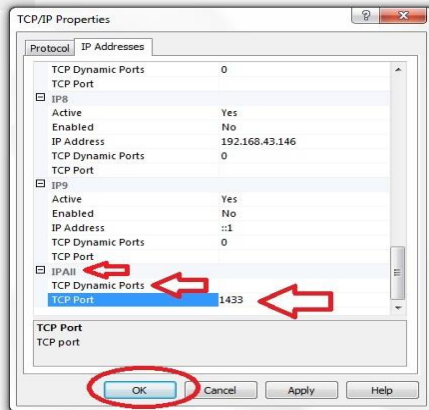
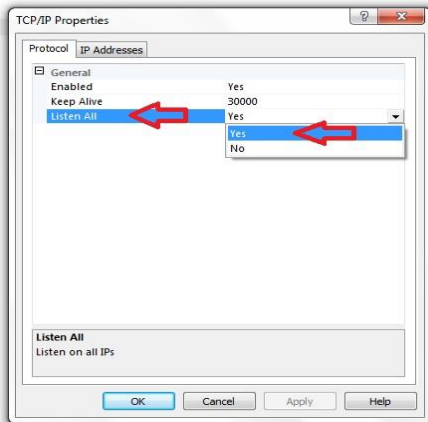
Open Properties of TCP/IP



## 5.3 SQL Server Setting (cont.)

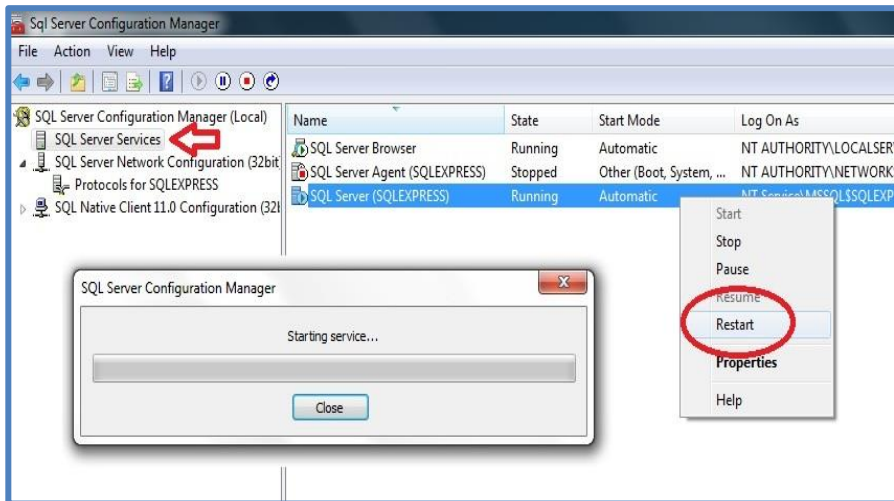
Under Protocol, “Listen All” is set to ‘Yes’;

For “IPAll” under ‘IP Addresses’, delete any data in TCP Dynamic Ports and set TCP Port to 1433.



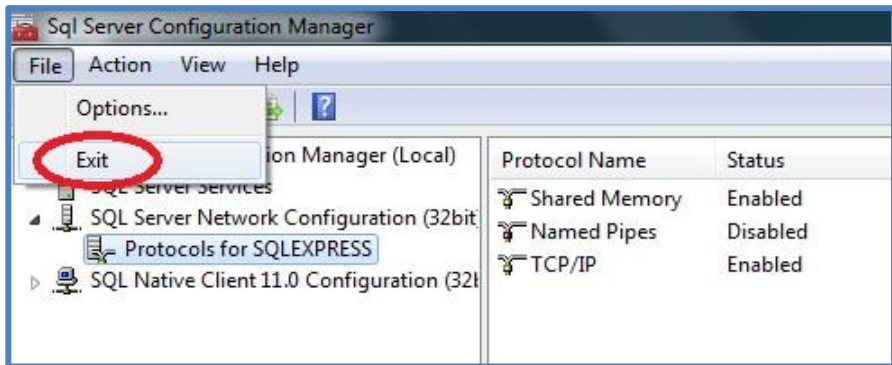
## 5.3 SQL Server Setting (cont.)

Restart the SQL Server...



### 5.3 SQL Server Setting (cont.)

Exit the SQL Server Configuration Manager



Now continue with the installation of GIRS program...

## 5.4 Installation of GIRS

Place GIRS Program Disc into CD-Rom drive of your computer

The autoplay dialogue box will pop up; (The GIRS version no. may not be the same since the most update version will be included)

Select “setup.exe”



## 5.4 Installation of GIRS (cont.)

Click “Next” to continue...



## 5.4 Installation of GIRS (cont.)

Select “Everyone”, then click “Next” to complete GIRS installation



“Close” to complete installation of GIRS.

## 5.4 Installation of GIRS (cont.)

The following icons will be setup at computer's desktop:



**GIRS Supervisor**



**GIRS Inspector**



## 6. How to Use GIRS

There are two main parts of the GIRS program : the “Supervisor” and the “Inspector”, for different groups of user.

The Supervisor program is to be used by the System Administrator, management and supervisor.

The Inspector program is to be used by the internal Inspectors or customer representatives.

The program defines three groups of users :

1. Admin (system administrator, management)
2. Supervisor
3. Not a Supervisor

For “Not a Supervisor”, there are sub-groups of :

1. Not an inspector
2. In-line inspector
3. Final inspector
4. Customer

## 6. How to Use GIRS (cont.)

The rights of different groups of user are listed in the table below:

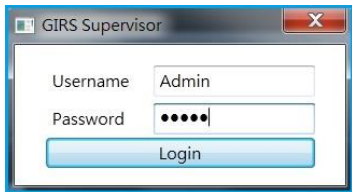
| User's Right                    | Admin | Supervisor | Not a Supervisor |
|---------------------------------|-------|------------|------------------|
| Login to GIRS Supervisor        | Yes   | Yes        | No               |
| Add, Edit, Delete User          | Yes   | No         | No               |
| Add, Edit, Delete Specification | Yes   | Yes        | No               |
| Edit, Delete Inspection Results | Yes   | Yes        | No               |
| View, Print Inspection Results  | Yes   | Yes        | Yes              |

## 6.1 GIRS Supervisor

Click the Supervisor icon to start GIRS Supervisor



Login **GIRS Supervisor**



**For the first time**, use the preset Administrator to login :

Username : Admin

Password : Admin

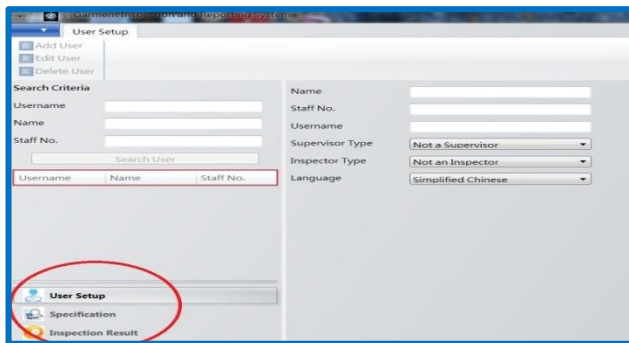
Administrator can change the password after first time login

## 6.1 GIRS Supervisor (cont.)

There are three major functions of GIRS Supervisor :

- User Setup
- Specification (add, edit, delete)
- Inspection Result (view, edit, delete, print)

By selecting the User Setup, the Administrator can add, edit or delete users.



### 6.1.1 User Setup

Add User (*Only the Administrator has the right to add, edit or delete user*)

- Select “Add User” under “User Setup”
- Input details of new user
- Create Password for new user
- User password can be changed anytime by administrator as required

The screenshot shows a web-based form for adding a new user. The form is titled 'Add User' and includes the following fields and controls:

- Name:** A text input field.
- Staff No.:** A text input field.
- Username:** A text input field.
- Password:** A text input field.
- Supervisor Type:** A dropdown menu with the selected option 'Not a Supervisor'.
- Inspector Type:** A dropdown menu with the selected option 'Not an Inspector'.
- Language:** A dropdown menu with the selected option 'Simplified Chinese'.
- Save/Cancel:** Two buttons at the bottom right of the form.

Red circles are drawn around the following elements in the image:

- The labels 'Name', 'Staff No.', and 'Username' on the left side of the form.
- The labels 'Supervisor Type', 'Inspector Type', and 'Language' on the left side of the form.
- The 'Password' label and its corresponding input field.
- The 'Save' and 'Cancel' buttons.

### 6.1.1 User Setup (cont.)

- Select “User Type”, “Language” and then save

Supervisor Type: Not a Supervisor  
Inspector Type: Not a Supervisor  
Language: Simplified Chinese

Supervisor Type: Not a Supervisor  
Inspector Type: Not an Inspector  
Language: Final Inspector

Supervisor Type: Not a Supervisor  
Inspector Type: Not an Inspector  
Language: Simplified Chinese

### 6.1.1 User Setup (cont.)

Search registered users:

- Input search criteria, or
- Click “Search User” to view, list can be sort to order under different tabs

| Username | Name     | Staff No. |
|----------|----------|-----------|
| user1    | CHEN YI  | S0001     |
| user2    | ZHANG ER | S0002     |
| user3    | 李三       | S0003     |
| user4    | HUANG SI | S0004     |
| user5    | HU WU    | S0005     |

## 6.1.1 User Setup (cont.)

### Edit User

- Select “Edit User” under “User Setup”
- Edit user details and password
- Click “Save” and confirm update

Garment Inspection and Recording System

User Setup

- Add User
- Edit User
- Delete User

Search Criteria

Username:

Name:

Staff No.:

| Username | Name     | Staff No. |
|----------|----------|-----------|
| user1    | CHEN YI  | S0001     |
| user2    | ZHANG ER | S0002     |
| user3    | 李三       | S0003     |

Name:

Staff No.:

Username:

Password:

Supervisor Type:

Inspector Type:

Language:



### 6.1.1 User Setup (cont.)

Delete User

- Pick the user you want to delete
- Select “Delete User” under “User Setup”
- Make sure before you confirm the “Delete” action



## 6.1.2 Specification

### Add Specification

- Select “Add Spec” under “Specification”
- Input “Order Info” and “Product Info”

Garment Inspection and Reporting System

**Specification**

- Add Spec
- Delete Spec
- Edit Spec
- Print Spec
- Copy Spec

**Search Criteria**

Customer:

Style No.:

PO No.:

Description:

Factory:

Search Specification

Customer:  Style No.:  PO No.:

**Order Info** **Product Info**

Customer:  Division:

PO No.:  T. Designer:

Order Quantity:  Designer:

Vendor:  Creation Date:

Description:  Sample Stage:

Group:

Add Size Edit Size Del Size Save Cancel

| POM                  | Point of Measurement | Tol                  |
|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

User Setup

Specification

Inspection Result

20/3/2013 17:31

## 6.1.2 Specification (cont.)

- Customer, PO No. and Style No. are compulsory entries for all specifications

Order Info Product Info

|                |  |               |  |
|----------------|--|---------------|--|
| Customer       |  | Division      |  |
| PO No.         |  | T. Designer   |  |
| Order Quantity |  | Designer      |  |
| Vendor         |  | Creation Date |  |
| Description    |  | Sample Stage  |  |
| Group          |  |               |  |

Add Size Edit Size Del Size Save Cancel

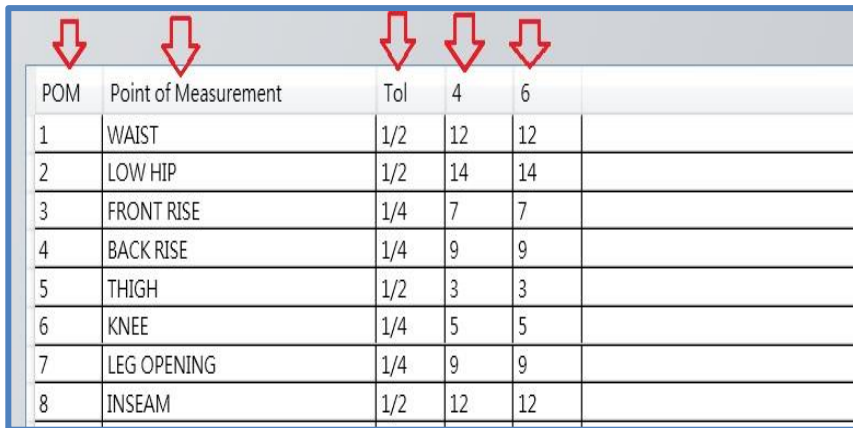
Order Info Product Info

|               |      |             |  |
|---------------|------|-------------|--|
| Ref. No.      |      | Agent       |  |
| Style No.     |      | Factory     |  |
| Unit          | Inch | Revision    |  |
| Colour        |      | Size Range  |  |
| Season        |      | Sample Size |  |
| Delivery Date |      |             |  |

Add Size Edit Size Del Size Save Cancel

### 6.1.2 Specification (cont.)

- Add “Size”, “POM”(Abbrev. for Point of Measurement), “Point of Measurement” and “Tol”(Tolerance)
- “Save” and confirm adding a new specification



| POM | Point of Measurement | Tol | 4  | 6  |  |
|-----|----------------------|-----|----|----|--|
| 1   | WAIST                | 1/2 | 12 | 12 |  |
| 2   | LOW HIP              | 1/2 | 14 | 14 |  |
| 3   | FRONT RISE           | 1/4 | 7  | 7  |  |
| 4   | BACK RISE            | 1/4 | 9  | 9  |  |
| 5   | THIGH                | 1/2 | 3  | 3  |  |
| 6   | KNEE                 | 1/4 | 5  | 5  |  |
| 7   | LEG OPENING          | 1/4 | 9  | 9  |  |
| 8   | INSEAM               | 1/2 | 12 | 12 |  |

## 6.1.2 Specification (cont.)

### Edit Specification

- Input Search criteria to look for registered specification, or
- Click “Search Specification” to view, list can be sort to order under different tabs
- “Save” to confirm update

Garment Inspection and Reporting System

Specification

**Search Criteria**

Customer: JA

Style No.:

PO No.:

Description:

Factory:

| Customer       | Style No. | PO No.          |
|----------------|-----------|-----------------|
| JA Corporation | 620001    | JY-2013-08-03   |
| JA Corporation | 620001-A  | JY-2013-03-08A  |
| CWC-JA         | 5100      | 2468-10-03-2013 |

## 6.1.2 Specification (cont.)

Copy Specification : to reproduce a similar specification

- Input Search criteria to look for registered specification, or
- Select “Search Specification” to view, list can be sort to order under different tabs
- Click “Copy Spec” under “Specification”
- Input new details for “Order Info” and “Product Info” to replace the old details
- Save to add a new specification

**Specifications**

Search Criteria

Customer: \_\_\_\_\_  
Style No.: \_\_\_\_\_  
PO No.: \_\_\_\_\_  
Description: \_\_\_\_\_  
Factory: \_\_\_\_\_

Search Specification

| Customer | Style No.        | PO No.         |
|----------|------------------|----------------|
| Carson   | JEAN FE 2.1      | 510991.2 143   |
| Carson   | JEAN SPKINNY     | 510991.2 103   |
| Carson   | STRADDLE JEAN    | 510991.2 103   |
| Ruby     | BOY'S TANK 041.2 | 5142.1         |
| Ruby     | BOY'S TANK 041.2 | 510991.2 1.2.1 |

User Setup  
Specification  
Inspection Result

**Order Info** **Product Info**

Customer: Ruby  
PO No.: 54321  
Order Quantity: 1,300 + 502 pcs  
Vendor: TANGING Factory  
Description: LADIES'S 55% COTTON 43% RAYON 2%  
Group: \_\_\_\_\_

Division: \_\_\_\_\_  
T. Designer: \_\_\_\_\_  
Designer: \_\_\_\_\_  
Creation Date: \_\_\_\_\_  
Sample Stage: \_\_\_\_\_

Add Size Edit Size Del Size Save Cancel

| POM      | Point of Measurement  | Tol | 8      | 4  | 10     |
|----------|-----------------------|-----|--------|----|--------|
| Front H  | Front Length from HPS | 1/4 | 14 7/8 | 12 | 14 7/8 |
| Across H | Across Front          | 1/4 | 16 1/4 | 13 | 16 1/4 |
| Chest    | Chest                 | 1/2 | 29     | 10 | 29     |
| Shoulder | Shoulder Slope        | 1/2 | 33 1/2 | 15 | 33 1/2 |
| Bottom   | Bottom Ligne          | 1/2 | 35     | 14 | 35     |
| Across T | Across Shoulder       | 1/2 | 33 1/2 | 13 | 33 1/2 |

### 6.1.2 Specification (cont.)

#### Delete Specification

- Select the spec to be deleted
- Click “Delete Spec” under “Specification”
- Double check before you confirm to delete specification
- Specifications already performed inspection measurement cannot be deleted



## 6.1.2 Specification (cont.)

### Print Specification

- Select the spec to be printed
- Click “Print Spec” under “Specification”

1

的 1

页

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1



### 6.1.3 Inspection Result

Print Inspection Result

- Search and select the inspection result
- Click Print “Runchart” or “Measurement”

Inspection Result

Print Runchart    Delete Inspection  
Print Measurement  
Edit Inspection

Search Criteria

Customer  
Style No.  
PO No.  
Inspector  
Date

Select a date 15

Search Inspection

Style No.    Inspector    Date

Date  
Factory  
Colour  
Inspected By  
Description

| POM | Point c |
|-----|---------|
| w   | w       |
| s   | s       |
| k   | k       |
| m   | m       |

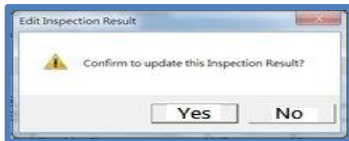
User Setup  
Specification  
Inspection Result

### 6.1.3 Inspection Result

#### Edit Inspection

- Search and select inspection result
- Click “Edit Inspection” under Inspection Result”
- Only the actual measurement data can be edited
- Save and confirm to update the inspection result

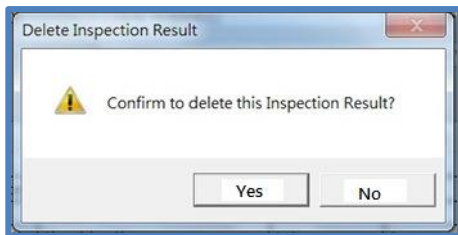
| POM           | Point of Measurement  | Tolerance | Graded | Actual | Difference |
|---------------|-----------------------|-----------|--------|--------|------------|
| Front HPS     | Front Length from HPS | 1/4       | 6      | 5      | -1         |
| Across Front  | Across Front          | 1/4       | 6 1/2  | 5 3/4  | -3/4       |
| Chest         | Chest                 | 1/2       | 6      | 6 3/8  | 3/8        |
| Shoulder Slip | Shoulder Slope        | 1/2       | 6      | 6 3/8  | 3/8        |
| Button Ligne  | Button Ligne          | 1/2       | 6      | 7 1/16 | 1 1/16     |
| Across Shoul  | Across Shoulder       | 1/2       | 6      | 6 3/16 | 3/16       |



### 6.1.3 Inspection Result (cont.)

#### Delete Inspection

- Search and select inspection result
- Click “Delete Inspection” under “Inspection Result”
- Make sure before your confirm to “delete” the inspection result

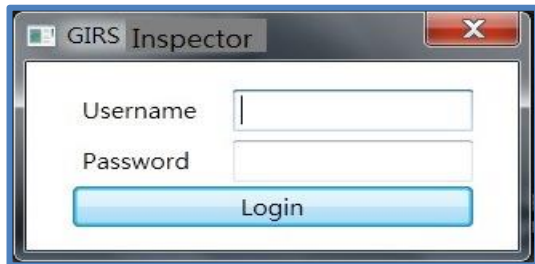


## 6.2 GIRS Inspector

Click the Inspector icon to start  
GIRS Inspector



Login GIRS Inspector

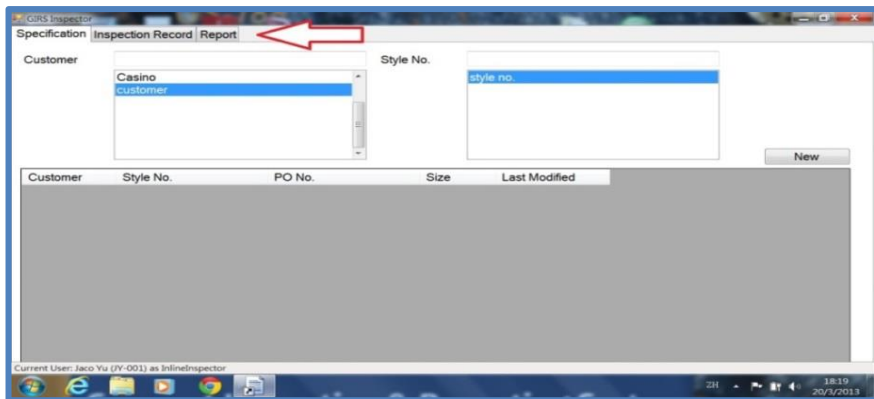


Use the Username and Password as assigned by Administrator to login GIRS Inspector.

## 6.2 GIRS Inspector (cont.)

There are three major functions of GIRS Inspector :

- Specification : to select specification and start new inspection
- Inspection Record : to search and view inspection record
- Report : to search and print inspection report



## 6.2.1 Specification

Start New Inspection :

- Plug in the USB receiver into any USB port of your computer. The LED on the receiver will light on
- Power on the measuring tape by pressing any one of the key switches
- Select Specification and start New Inspection
- When a POM is measured, by pressing the “TRANSFER” key switch, the reading on the display unit will be transferred to your computer via the USB receiver. You should hear either a “DING” or a warning sound from your computer to confirm the data has been transferred and received.

Customer: JA Corporations  
PO No.: JY-2013-08-03  
Inspection Type: Inline Inspection  
Inspector: Jac  
Unit: Inch

Style No.: 620001  
Size: 8  
Status: New  
Inspection Date:

Exit Start

| POM  | Description | Tol     | Graded | Actual | Difference |
|------|-------------|---------|--------|--------|------------|
| POM1 | POM-MM1     | 1 11/16 | 7      |        |            |
| POM2 | POM-MM2     | 1/2     | 9      |        |            |
| POM3 | POM-MM3     | 1/4     | 11     |        |            |
| POM4 | POM-MM4     | 3/8     | 13     |        |            |

## 6.2.1 Specification (cont.)

- Strictly follow the order of POM in taking measurement
- The measurement data and difference to TOL will be recorded
- Data out of tolerance will be shown in red with “warning sound”
- “Submit” after each inspection; click “Start” to take new inspection
- “Exit” when all inspections of each batch completed

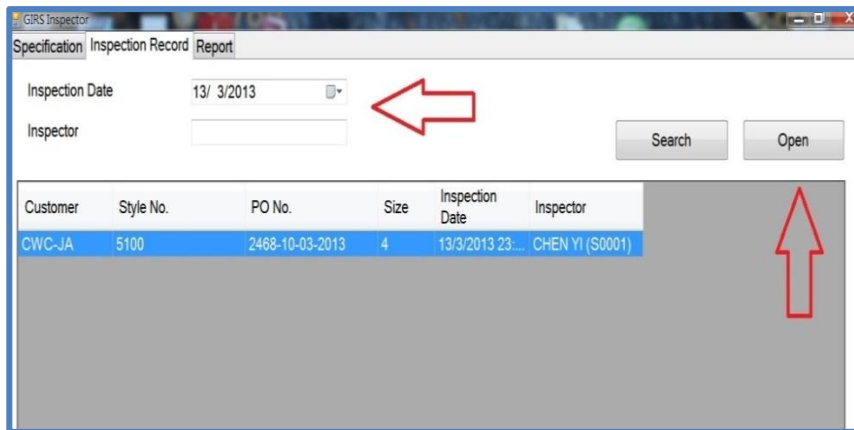
| POM | Description | Tol | Graded | Actual | Difference |
|-----|-------------|-----|--------|--------|------------|
| 1   | WAIST       | 1/2 | 12     | 12     | 0          |
| 2   | LOW HIP     | 1/2 | 14     | 13     | 1          |
| 3   | FRONT RISE  | 1/4 | 7      | 7      | 0          |
| 4   | BACK RISE   | 1/4 | 9      | 9      | 0          |
| 5   | THIGH       | 1/2 | 3      | 3 1/2  | -1/2       |
| 6   | KNEE        | 1/4 | 5      | 5      | -1/2       |
| 7   | LEG OPENING | 1/4 | 9      | 9 3/16 | -3/16      |
| 8   | INSEAM      | 1/2 | 12     | 12     | 0          |
| 9   | ZIPPER      | 0   | 4      | 4      | 0          |

*Remark : In case the working environment is too noisy to hear the “DING” or warning sound, user can consider to connect external powered speakers to the computer.*

## 6.2.2 Inspection Record

### Search Inspection Records

- Inspection records can be searched by date of inspection
- Open to view records



The screenshot shows the GIRS Inspector application window with the 'Inspection Record' tab selected. The interface includes a search section with a date picker and an inspector name field, and a table of inspection records. A red arrow points to the date picker, and another red arrow points to the 'Open' button.

Search Section:

Inspection Date: 13/ 3/2013

Inspector:

Buttons: Search, Open

| Customer | Style No. | PO No.          | Size | Inspection Date  | Inspector       |
|----------|-----------|-----------------|------|------------------|-----------------|
| CWC-JA   | 5100      | 2468-10-03-2013 | 4    | 13/3/2013 23:... | CHEN YI (S0001) |



## 6.2.2 Inspection Record (cont.)

### View Inspection Records

- Data out of tolerance is shown in red
- “Back” to close the current inspection record, search to view other records

GIRS Inspector - Inspection Result

|                 |                   |                 |           |
|-----------------|-------------------|-----------------|-----------|
| Customer        | CWC-JA            | Style No.       | 5100      |
| PO No.          | 2468-10-03-2013   | Size            | 4         |
| Inspection Type | Inline Inspection | Status          | Submitted |
| Inspector       | CHEN YI (S0001)   | Inspection Date | 13/3/2013 |
| Unit            | Inch              |                 |           |

↓

Back

| POM | Description | Tol | Graded | Actual  | Difference |
|-----|-------------|-----|--------|---------|------------|
| 1   | WAIST       | 1/2 | 12     | 12      | 0          |
| 2   | LOW HIP     | 1/2 | 14     | 14 3/16 | -3/16      |
| 3   | FRONT RISE  | 1/4 | 7      | 7 1/2   | -1/2       |
| 4   | BACK RISE   | 1/4 | 9      | 9 1/4   | -1/4       |
| 5   | THIGH       | 1/2 | 3      | 3 3/16  | -3/16      |
| 6   | KNEE        | 1/4 | 5      | 5 1/16  | -1/16      |
| 7   | LEG OPENING | 1/4 | 9      | 9 1/4   | -1/4       |
| 8   | INSEAM      | 1/2 | 12     | 12 5/8  | -5/8       |
| 9   | ZIPPER      | 0   | 4      | 3 7/8   | 1/8        |

↑

## 6.2.3 Report

Search or Print Measurement Reports / Runchart Reports

- Reports can be searched by date of inspection
- View or Print Measurements / Runchart Reports
- Logout GIRS Inspector when finish

Sample of Measurement Report

Measurement Report

1 的 1 寬 尋找 | 下一個

**MEASUREMENT REPORT**

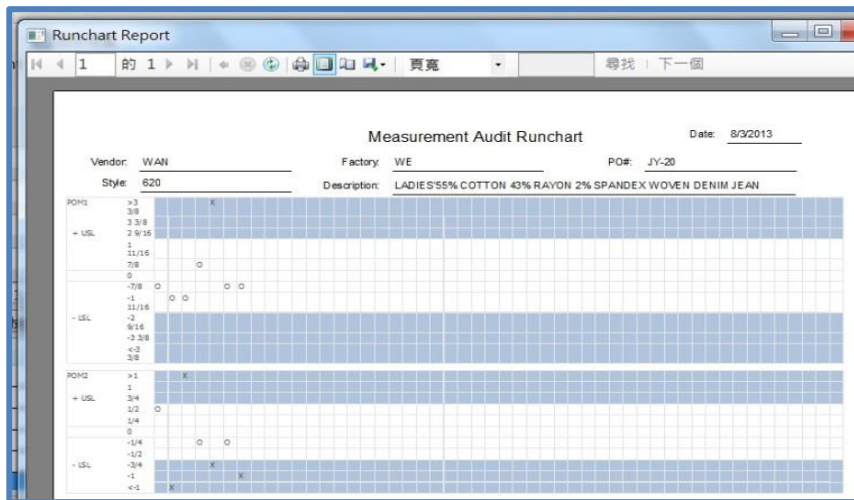
DATE: 8/3/2013      STYLE NO.: 620  
 FACTORY: WE      DPO NO.: JY-20  
 ORDER QTY: 502 pcs      COLOR: WHITE  
 DESCRIPTION: LADIES 55% COTTON 43% RAYON 2% SPANDEX WOVEN DENIM JEAN

| Point of Measurement | TOL     | Size / 4 | Size / 8 | Size / 6 |
|----------------------|---------|----------|----------|----------|
| POM-MM1              | 1 11/16 | 4 1/2    | 1 1/16   | 1 5/16   |
| POM-MM2              | 1/2     | 6        | -3/8     | 1 3/8    |
| POM-MM3              | 1/4     | 8 1/2    | -1 5/8   | 5/16     |
| POM-MM4              | 3/8     | 10       | -1/16    | 5/16     |

| Point of Measurement | TOL     | Size / 4 | Size / 8 | Size / 6 |
|----------------------|---------|----------|----------|----------|
| POM-MM1              | 1 11/16 | 4 1/2    | -1/8     | -4 9/16  |
| POM-MM2              | 1/2     | 6        | 1/16     | 1 1/16   |
| POM-MM3              | 1/4     | 8 1/2    | 0        | 7/8      |
| POM-MM4              | 3/8     | 10       | 1 1/16   | 5/16     |

## 6.2.3 Report

### Sample of Runchart Report



## **7. Network Application**

GIRS is designed to run on both stand-alone and multi-user networked environment.

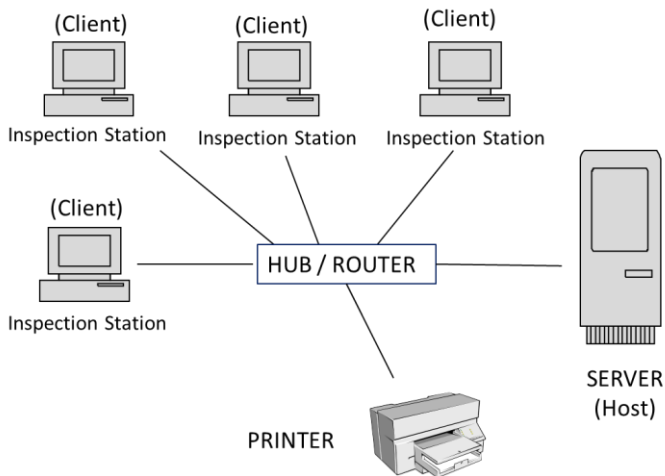
In case of a networked environment, two or more computers can be linked up by LAN (Local Area Network) through a HUB or a wireless router. All GIRS data will be saved in the hard disk of the host Server computer, and can be accessed and viewed from any one of the computers.

Only one computer (the host Server) need to install the SQL Server and the GIRS program. The other computers (Inspection stations) need only to install the GIRS program; and the data in the host Server can be shared among computers in the same network.

Please consult your IT staff or external IT experts to support in setting up the network.

## 7. Network Application (cont.)

A typical example of network setup is shown below.



## 7.1 Client Station Setting

Login the computer used at the Inspection Station (Client)

Double click the GIRS “Supervisor” icon to start program and you will see the screen below.

Setup Server

TextBlockFor Administrator Use ONLY. Contact Adminstrator if you see this screen. Provide correct database connection settings if you cannot access the database. You cannot login the application if the database settings are incorrect. Retry login after

Database Server

☐ Local Database Server

☒ Remote Database Server

Input Host Server name

Database Login

☐ Windows Authentication

☒ SQL Server Authentication (User ID and Password Required)

User ID: GIRSAdmin

Password: .....

Confirm Password: .....

Save Cancel

## 7.1 Client Station Setting (cont.)

- Input name of remote SQL Server
- Select SQL Server Authentication :  
    Input :  
        User ID   = GIRSAdmin  
        Password = GIRSAdmin  
        Reconfirm Password = GIRSAdmin
- Save the settings

Client Station setting is completed and the communication with the Host Server is activated.

## **8. Data Maintenance**

All GIRS data (users, specifications, measurement reports) are stored in the hard disk drive of your computer (stand-alone) or the server (networked). In order to protect your data, we strongly advise you to back up your data by an external hard disk drive at a regular period.

Please consult your IT staff or external IT experts on how to back up your data.



## 9. Trouble Shooting and Services

### **Cannot power on your measuring tape**

- Check if the batteries are placed into the battery compartment correctly.
- Make sure the batteries are at correct polarity and with good contact to the metal terminals.
- Replace the batteries with new ones.

### **Reading on display unit is not correct**

- Check if there is any residual value on the display unit when tape is fully retracted. If not, set the residual reading to “0.0” by pressing the ZERO key switch.

### **Data cannot be transferred to your computer**

- Check if the USB receiver is correctly plugged onto your computer.
- Check if the LED on the USB receiver lights on. If not, you may need to replace your USB receiver.
- Check if you have used another USB receiver of another measuring tape. Check the serial number on the labels of the USB receiver and inside the battery compartment of the measuring tape. The two serial numbers should

## **9. Trouble Shooting and Services (cont.)**

be the same. If not, you must have mixed up the USB receiver and you have to find the correct USB receiver.

Return the measuring tape to your agent or distributor if the above steps cannot solve your problem.

Do not attempt to open up the measuring tape and repair by yourself. This will void the warranty as provided by the manufacturer.

## 10. Warranty

### One Year Warranty

E Measuring Device Limited or its authorized agent or distributor warrant all products against defects in materials and workmanship for a period of one (1) Year from the date of original consumer purchase. If a defect exists during the warranty period, EMD or its option will either repair or replace the product at no charge.

The warranty will not apply to the product if it has been damaged by misuse, alternation, accident, improper handling or operation, or if unauthorized repairs are attempted or made. Some example of damages not covered by warranty include, but not limited to, battery leakage, bending of steel tape, visible cracking of the LCD display or plastic casing, which are presumed to be damages resulting from misuse or abuse.

## 11. Product Specification

|                       |                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Model No.      | GS-188                                                                                                                                                                  |
| Device Model No.      | DT-138 (measuring tape)                                                                                                                                                 |
| Tape Length           | 1.6 M                                                                                                                                                                   |
| Tape Width            | 13 mm                                                                                                                                                                   |
| Tape Print            | In both British and Metric standard                                                                                                                                     |
| LCD Display           | In INCH, fractions, 1/16 resolution<br>In CM, 1 decimal                                                                                                                 |
| Dimension             | 110 x 55 x 25 mm (LxHxD)                                                                                                                                                |
| Weight                | 105 gm excluding battery                                                                                                                                                |
| Power Source          | 3V, DC, 2 x AAA Battery                                                                                                                                                 |
| Battery Life          | 80-100 working hours                                                                                                                                                    |
| Data Output Interface | Wireless RF output through an USB receiver<br>Protocol: SDTP (Short Distance Digital Transceiving Protocol)<br>RF: SFP (Static Frequency Pair)<br>Range: 2.4-2.4835 GHz |
| Control Buttons       | IN-CM      Unit conversion (inch/cm)<br>ZERO      Set zero<br>TRANSFER      Data transfer                                                                               |
| Power Management      | Power on by any button<br>Auto power off after 60 seconds idle<br>Battery low warning                                                                                   |

Specification is subject to change without prior notice. The illustrated product may differ from that supplied.







E Measuring Device Limited  
3/F, Fook Cheong Building,  
63 Hoi Yuen Road, Kwun Tong,  
Kowloon, Hong Kong  
Tel : (852) 2152 6063  
Fax : (852) 2151 1155  
Email : enquiry@emeasuring.com.hk

裕明電子有限公司  
地址：香港九龍官塘開源道 63 號  
福昌大廈 3 樓  
電話：(852) 2152 6063  
傳真：(852) 2151 1155  
電郵：enquiry@emeasuring.com.hk

© 2013 E Measuring Device Limited  
All rights reserved  
©2013 裕明電子有限公司  
保留所有權利

