

# **MI Payload**

**Ver. 2.05.00**

## ***Installation Guide***

**© Avery Weigh-Tronix group of companies 2007 - 2012. All rights reserved.**

No part of this publication may be reproduced, stored in an electronic retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior written consent of the copyright owner, or as permitted by law or under license. Full acknowledgment of the source must be given. Avery Weigh-Tronix is a registered trade mark of the Avery Weigh-Tronix group of companies. This publication was correct at the time of going to print however; Avery Weigh-Tronix reserves the right to alter without notice the specification, design, price or conditions of supply of any product or service at any time.

### **Trademarks and acknowledgements**

All brands and product names used within this document are trademarks or registered trademarks of their respective holders.

### **IMPORTANT**

When programming or configuring the equipment you must ensure that you comply with all relevant standards and legislation. The example settings given in this guide may not be legal for trade with the public.

Updated on: April 2, 2012

**Avery Weigh-Tronix**

# Table of Contents

<b>Introduction .....</b>	<b>1</b>
<b>MI Payload Minimum System Requirements.....</b>	<b>1</b>
Minimum System Requirements .....	1
<b>MI Payload Software and Technology Requirements.....</b>	<b>2</b>
Prerequisites software .....	2
<b>Installing System Requirements.....</b>	<b>3</b>
Preliminary Considerations.....	3
Start installing MI Payload Prerequisites.....	3
Start installing MI Payload .....	7
Configuring MI Payload database connection string .....	14
<b>Configuring Indicator with MI Payload .....</b>	<b>15</b>
<b>Start using MI Payload.....</b>	<b>17</b>
Maintaining Data .....	17
Taking Weight .....	18
<b>Contacting Technical Support .....</b>	<b>18</b>
MI Payload Application Support.....	18

## Introduction

This installation guide outlines the supported configurations and technical installation Instructions for **MI Payload Software version 2.05.00**.

## MI Payload Minimum System Requirements

### Minimum System Requirements

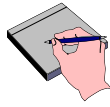
- **System Processor** – 1.3 GHz Pentium 5
- **System Memory (RAM)** – 2 Gb
- **Free Disk Space** – 30 Gb HDD.
- **Networking** – LAN (In case of multi PC environment)
- DVD ROM
- **Operating System** – MS Windows XP Professional with SP 3 or MS Windows Vista (32/64 bit) SP2 or Windows 7 (32/64 bit)
- **Prerequisites software are detailed on page 2**

#### NOTE:



**MI Payload** software is supported on **MS Windows XP Professional (with SP2)**, **MS Windows Vista** (Home Premium, Ultimate and Business) (32/64 bit) **and MS Windows 7** (Home Premium and Ultimate) (32/64 bit) operating systems.

## MI Payload Software and Technology Requirements

<p><b>NOTE:</b></p> 	<p>Software or components to use with <b>MI Payload</b> are listed in the following table. The <b>Included</b> column indicates (with a <b>Yes</b>) if the software is packaged with the installation kit. <b>No</b> indicates that you must supply the software. The <b>Optional</b> column indicates (with a <b>Yes</b>) if the software is not mandatory for <b>MI Payload</b>. <b>No</b> indicates that the software is mandatory for <b>MI Payload</b> and must be installed on the system.</p>
---	--


### Prerequisites software

Software	Version	Description	Included	Optional
.Net Framework	3.5 SP1	Necessary to run the <b>MI Payload</b> software. <b>Note:</b> Applicable for Windows XP and Vista OS.	Yes	No
Windows Installer 4.5 for Windows XP SP2 and later (x86)	4.5	Necessary to run the MS SQL Server 2008. <b>Note:</b> Applicable for Windows XP SP2 OS only.	Yes	No
PowerShell – XP/Vista (x86/64)		Windows PowerShell gives you access to the file system on the computer.  x86 comes for 32 bit OS and x64 comes for 64 bit OS. <b>Note:</b> Applicable for Windows XP and Vista OS.	Yes	No
Microsoft SQL Server 2008 Express with Management Studio-x86/64	2008	This is the management console to manage the database engine and available databases in the engine.  x86 comes for 32 bit OS and x64 comes for 64 bit OS.	Yes	No

Required software and technology for **MI Payload**.

## Installing System Requirements

### Preliminary Considerations

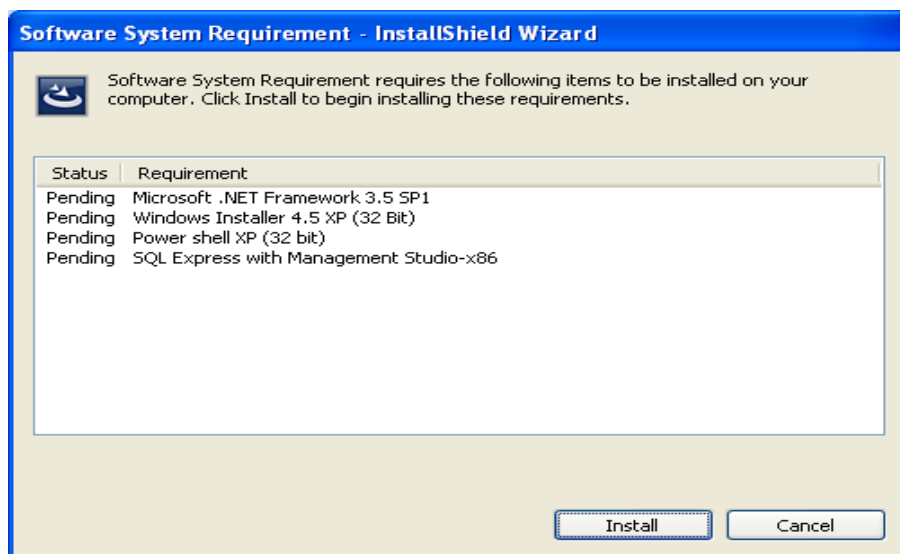
 <b>BEFORE YOU BEGIN</b>	<p>To best understand the installation procedures for <b>System Requirements</b> setup, it is recommended that you follow the procedures described in this section with minimal deviation.</p>
--	--


### Start installing MI Payload Prerequisites

1. On the computer on which you want to install **MI Payload**, insert the installation DVD into DVD drive. You can browse and run the **Setup.exe** file ("[CD: \0001 System Requirement\setup.exe](#)") to start the installation process. This setup contains all the necessary software and components to run **MI Payload**.

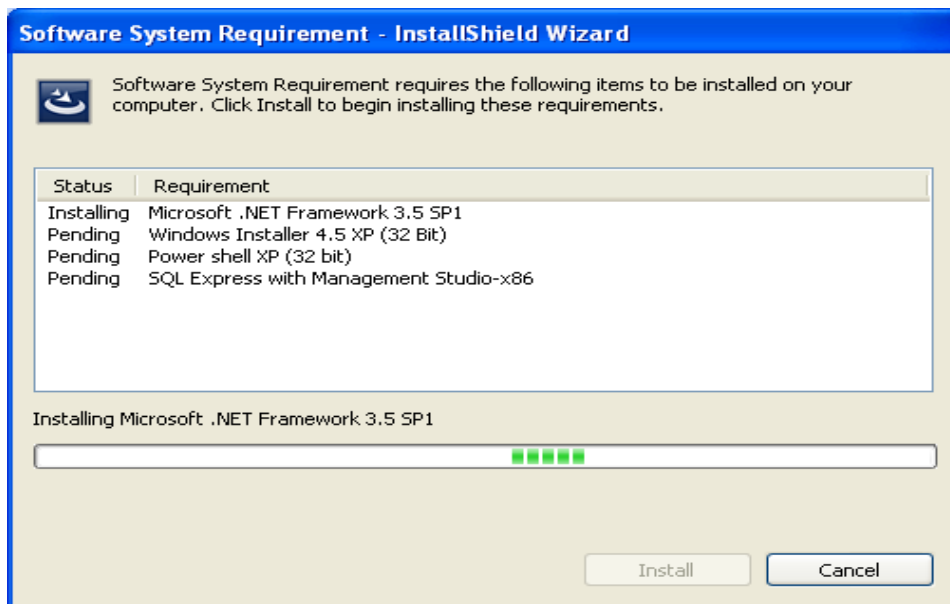
The screen (shown below) will appear. It shows the list of required software and their current status on your system. Pending status indicates that this software is ready to be installed on the system.

Click **Install** to start the installation process.



<b>NOTE:</b> 	<p>On the <b>MS Windows XP</b> operating system, the "<b>Windows Installer 4.5 for Windows XP SP2</b>" is displayed as additional requirements and need to be installed mandatorily.</p>
---	--

- The installation wizard starts installing all the listed software and components in a sequence. Microsoft .Net Framework 3.5 SP1 is an essential component to run MS SQL Server 2008 software. The installation wizard checks whether it exists on your computer or not. If it does not then installation wizard starts installing .Net Framework 3.5 SP1 silently.

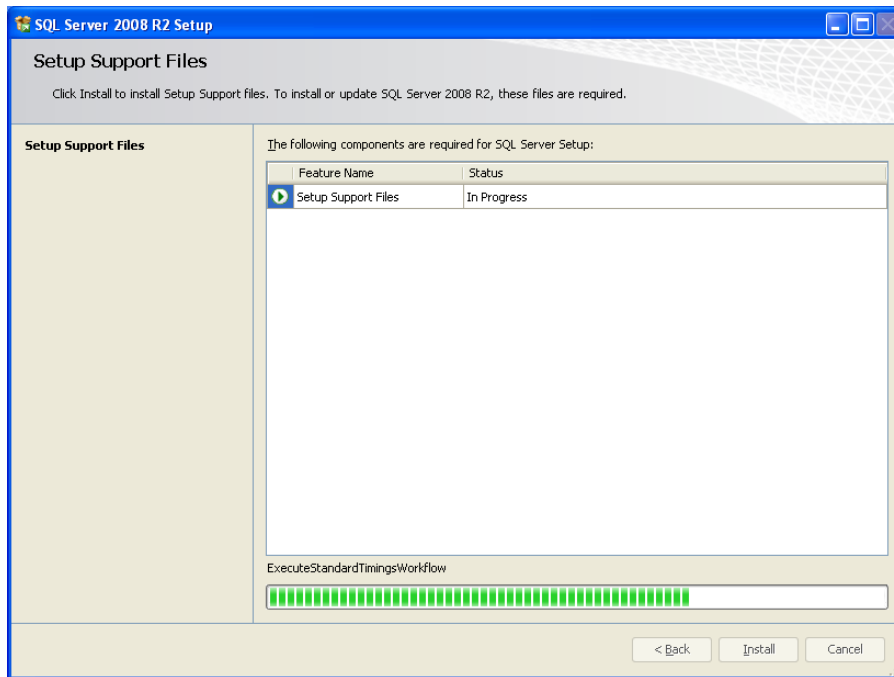


- After the completion of .Net Framework 3.5 SP1 installation, the installation wizard checks rest of the components whether it exists on your computer or not. If it does not then installation wizard starts installing all the Pre-requisites in sequence.
- Microsoft SQL Server 2008 Management Studio Express is an administrative tool for SQL Server 2008 Express which allows you to access, configure, manage and administer all components of SQL Server.
- The installation wizard starts the Microsoft SQL Server 2008 R2 setup that installs the support files required to run Microsoft SQL Server 2008 Express and Management Studio (shown below).

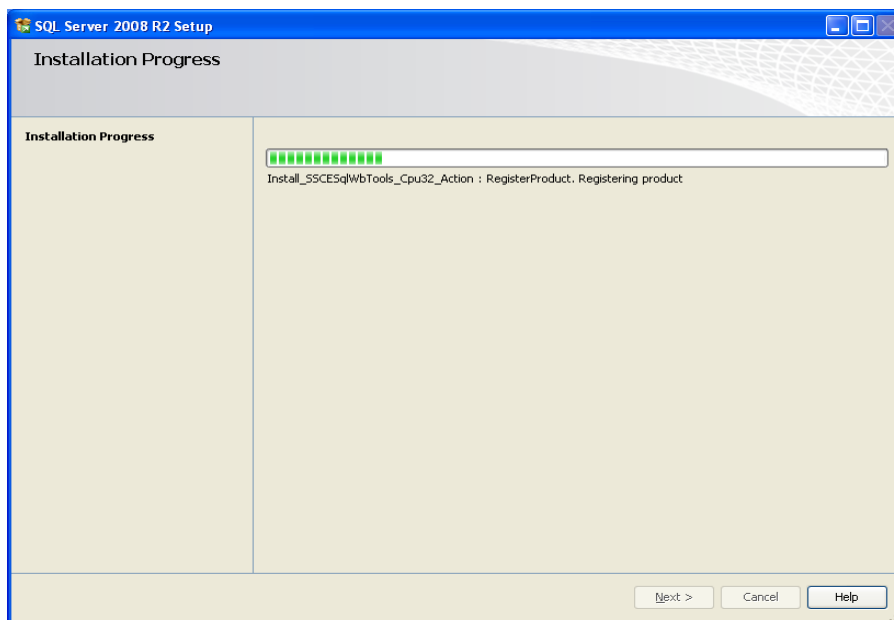
**NOTE:**



On the **MS Windows XP** operating system, the installation wizard mandatorily restarts your computer after the installation of each prerequisite software for the updates to take effect.



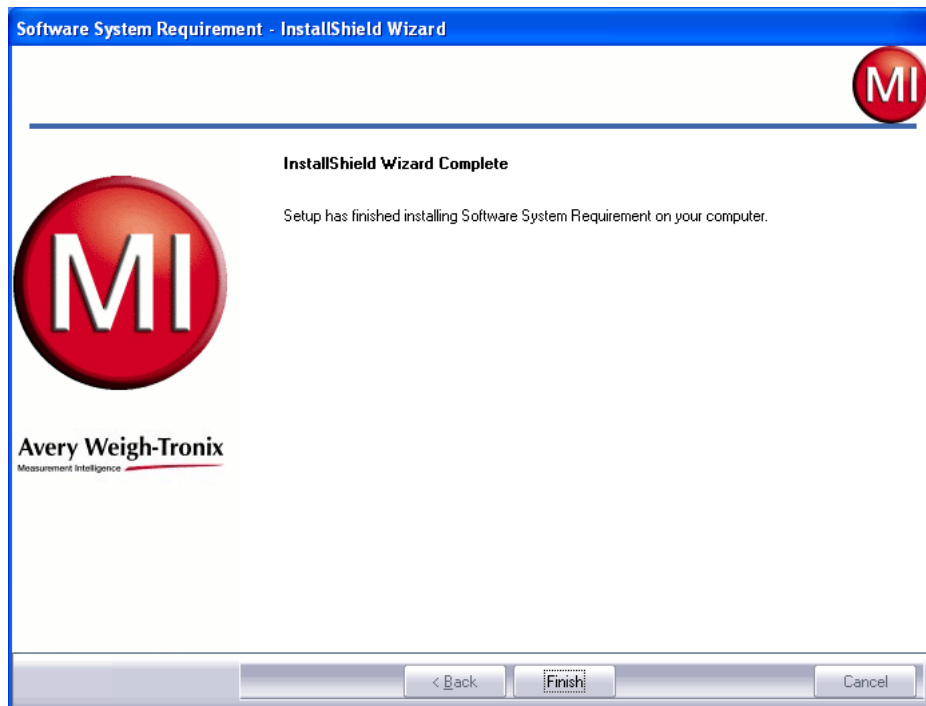
- After the completion of Support Files installation, the installation wizard starts installing Microsoft SQL Server 2008 Express with Management Studio (shown below).



**NOTE:**



Installation wizard may take several minutes to install it properly and move on the next step.



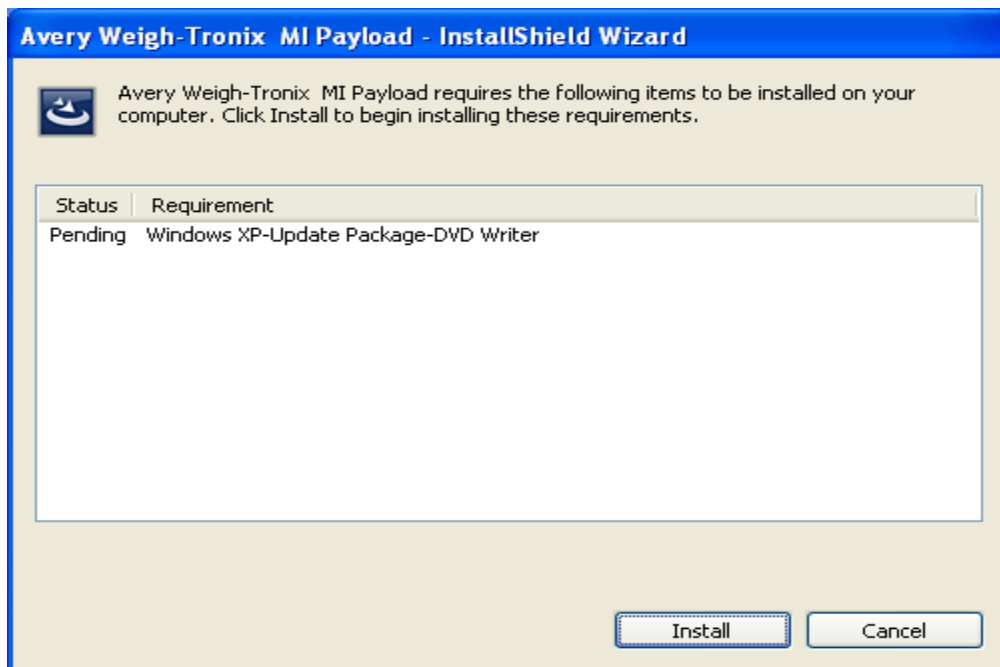
To simply close the installation wizard, click **Finish...**



## Start installing MI Payload

1. On the computer on which you want to install MI Payload, insert the MI Payload installation DVD into DVD drive. You can browse and run the **Setup.exe** file from the location ("[CD: \\0002 MI Payload\\setup.exe](#)") to start the installation process. The screen (shown below) will appear.

Click **Install** to start the installation process.



### NOTE:

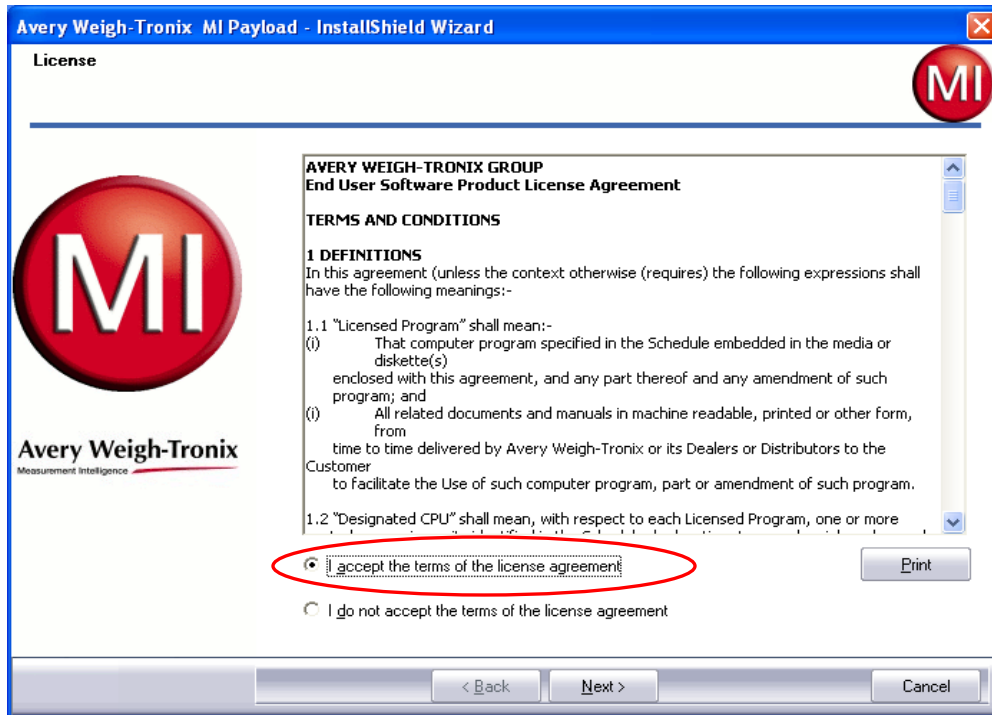


The screen shown above will only be prompted if installation is being done on MS Windows XP operating system.

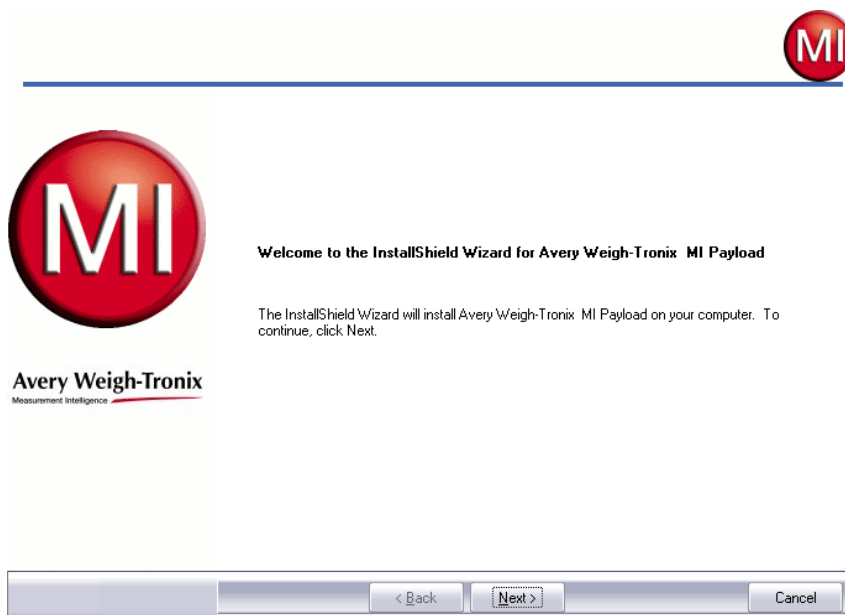
2. It will display the license agreement screen (shown below).

Read the license agreement carefully and select "**I accept the terms in the license agreement**" option.

Click **Next** to continue the installation process.



2. Installation wizard displays the following screen. Click **Next** to continue the installation process.




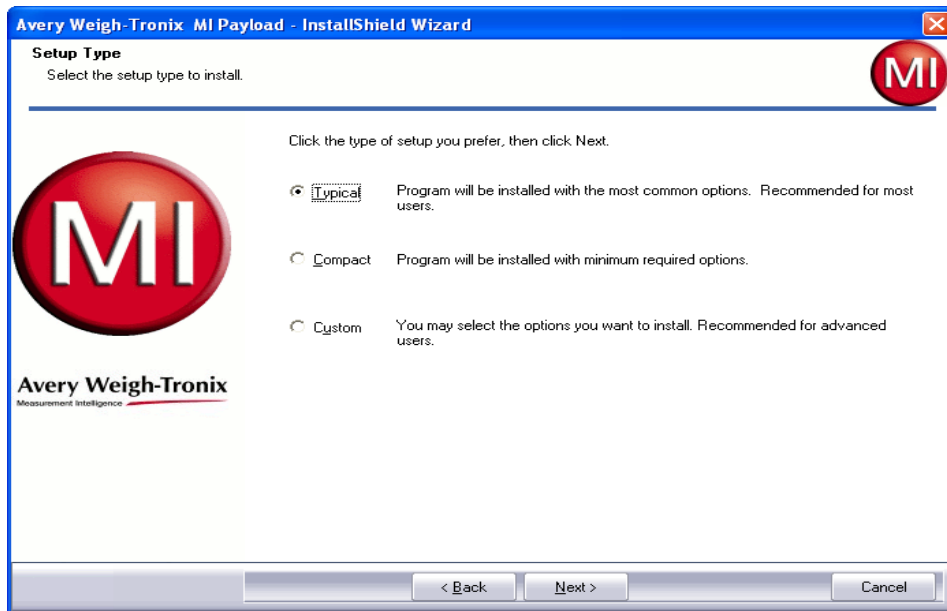
- The installation wizard displays the following screen. Enter the required information and then click **Next**.

- The installation wizard displays the screen shown in page 10. Select the type of setup you want to install and click **Next** to continue.

#### Types of setup which you can select:

- **Typical** : Program will be installed with common features.
- **Compact** : Program will be installed with minimum required option.
- **Custom** : You can select the features you want to install or deselect if you do not want to install.

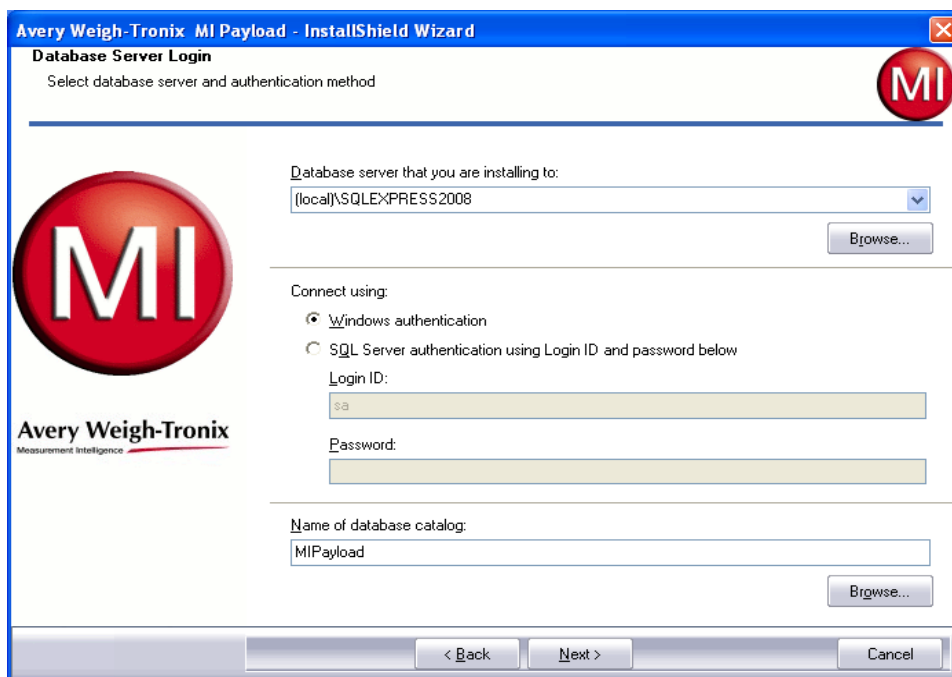
<p><b>NOTE:</b></p> 	<p>To install the specific features of your requirement, select <b>Custom</b> option. Make sure; <i>do not try this option if you are not familiar with installation wizard in detail.</i></p> <p><i>Depending upon the selection of setup type, some of the screens (shown below) may differ.</i></p>
---	--



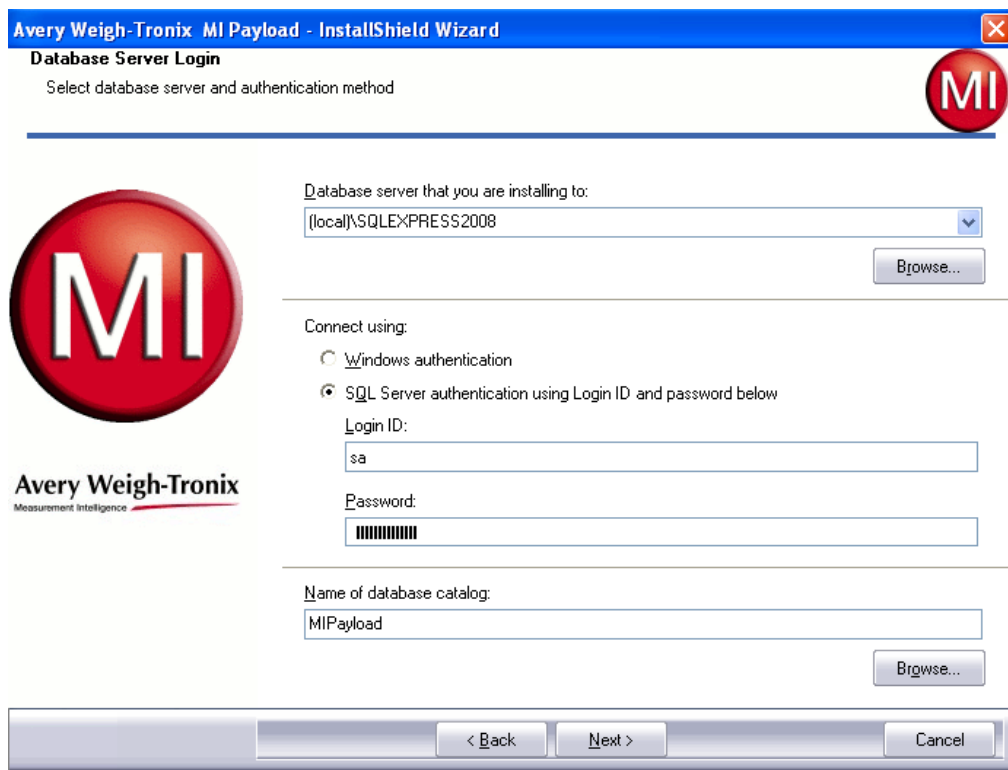
5. The installation wizard displays the screen (shown below) to configure the database connection. Enter the database server name or click **Browse** to locate the server if you are working on a centralized database environment.

Select or enter “**(local)\SQLEXPRESS2008**” as server name if you are working on standalone database.

Default database connection method is “**Windows authentication**” as shown below.



If you are working in an environment where your PC is used by multiple users then select the **SQL Server Authentication using Login ID and Password** option to restrict any unauthorized access of **MI Payload** (shown below):



**Avery Weigh-Tronix MI Payload - InstallShield Wizard**  
Database Server Login  
Select database server and authentication method

Database server that you are installing to:  
(local)\SQLEXPRESS2008  
Browse...

Connect using:  
☐ Windows authentication  
☒ SQL Server authentication using Login ID and password below

Login ID:  
sa

Password:

Name of database catalog:  
MIPayload  
Browse...

< Back   Next >   Cancel

Click **Next** to continue the installation process.

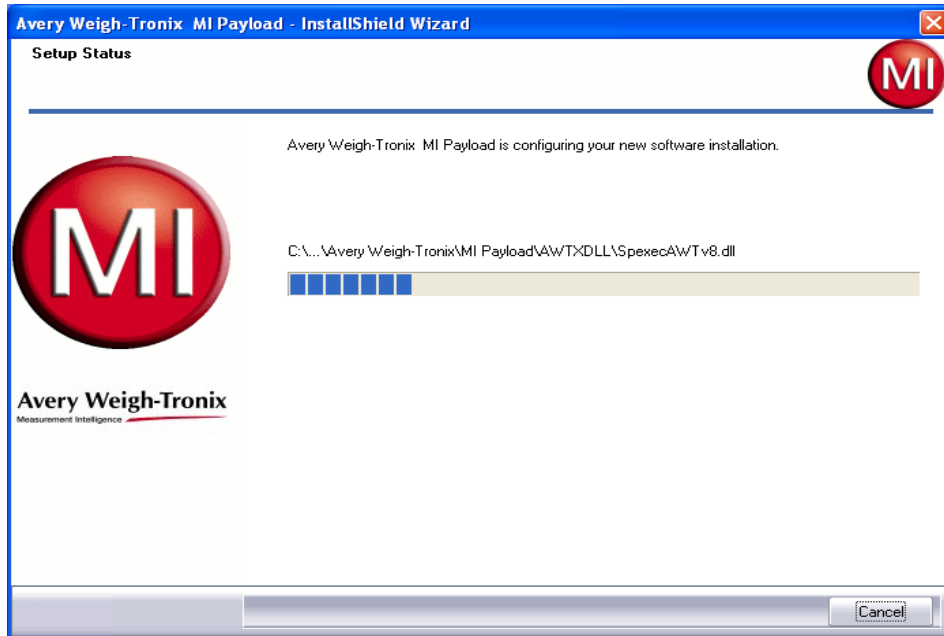
**NOTE:**



If you have installed MS SQL Server 2008 Express locally then you should be able to select the instance of MS SQL Server 2008 Express.

If, however it is installed on a network system, please select the correct instance and fill in the correct user name and password. It enables the setup application to connect with the database server and run the SQL Query to create the **MI Payload** database and database user for **MI Payload** at runtime.

6. The installation wizard displays the following screen. Click **Next** to install **MI Payload** at the default location.
7. The installation wizard displays the following screen (shown below) if the setup utility connects the specified MS SQL Server successfully.  
If it is unable to connect with the server, ensure and correct the credentials or contact your database administrator.
8. The **MI Payload** installation wizard starts configuring the **MI Payload** software as shown in the following screen with installation progress bar.



**CAUTION**

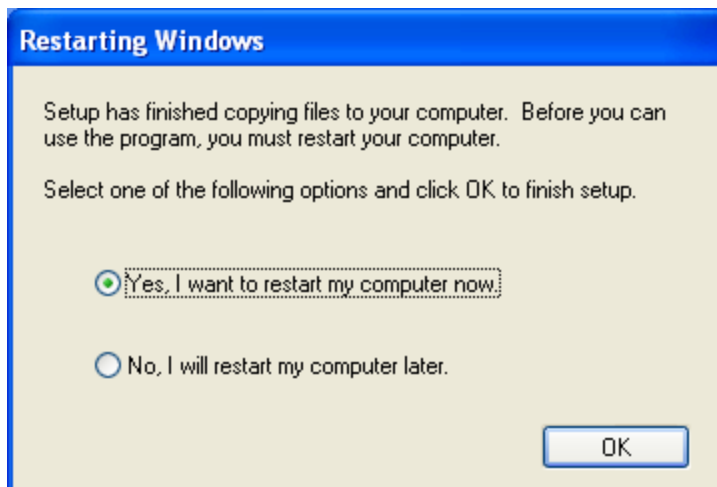


Make sure; the **MI Payload** settings cannot be modified or reviewed after clicking **Next**.

9. Once the installation wizard finishes the installation process, it displays the following screen. Click **Finish** to exit the installation wizard.



10. When you exit from the installation wizard, the wizard prompts you to restart your computer (as shown below):



In any case, you can be able to use **MI Payload** software but it is strongly recommended that you must select the option “**Yes, I want to restart my computer now**” and then click **OK**. It will restart your computer.

## Configuring **MI Payload** database connection string

**MI Payload** software creates a default database connection.

Click **Start > All Programs > Avery Weigh-Tronix > MI Payload > MI Payload** or



alternatively, click  on your desktop. It displays the login screen as shown below:

The login screen for MI Payload. On the left, it displays the Avery Weigh-Tronix logo and the MI Payload logo. On the right, there is a login form with fields for 'User Name' (containing 'admin') and 'Password' (containing '\*\*\*\*\*'). Below the password field are 'Ok' and 'Cancel' buttons. At the bottom, there is a copyright notice: '© 2007-2012 Avery Weigh-Tronix. All rights reserved. Unauthorized use or duplication is a violation of applicable law.'

Enter **Admin** or **admin** as a User Name and Password provided by the support engineer and click **Ok** to continue.

**Congratulations!** You have successfully installed and configured **MI Payload** and other necessary software required to run this application.

---



## Configuring Indicator with MI Payload

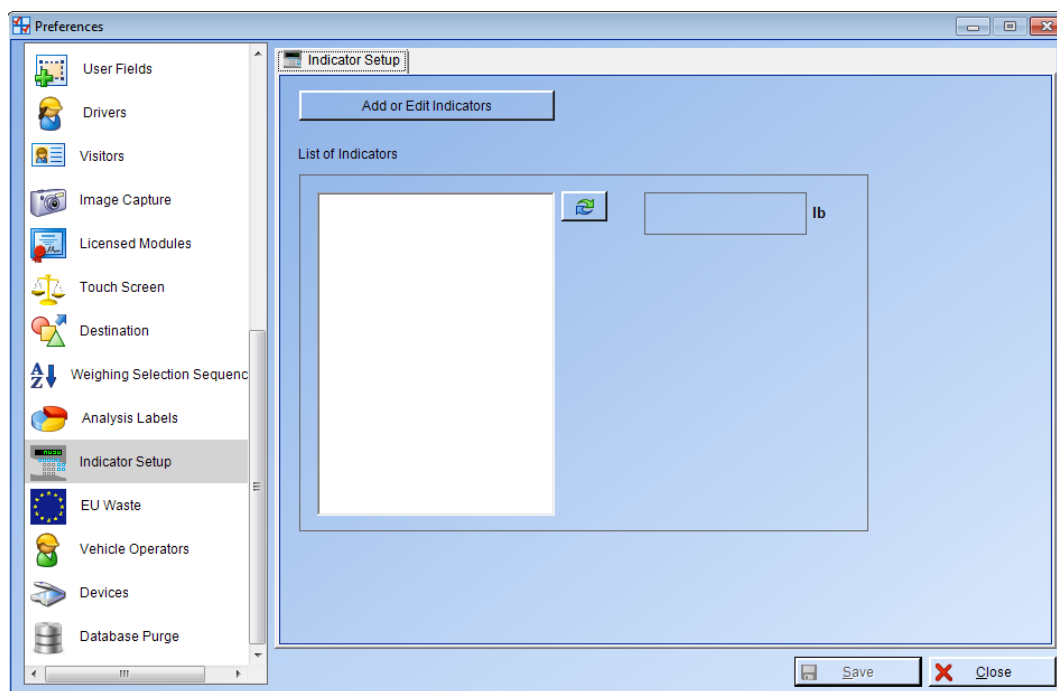
To configure a weighing indicator to use with MI Payload, follow the steps explained below:

1. To open the MI Payload, click **Start > All Programs > Avery Weigh-Tronix > MI Payload > MI Payload** or



alternatively, click on your desktop. It opens the MI Payload login screen.

2. Enter the correct **User Name** and **Password** and then click **OK**. It opens the main screen of the MI Payload application.
3. On the menu bar, click **Tools > Preferences**. It opens the Preferences screen.
4. In the **Preferences** screen, select the **Indicator Setup** option from the left hand side list. It shows the **Indicator Setup** tab page (as shown below).



5. To configure an indicator, click **Add or Edit indicator** button. It opens the MI Connect login screen.
6. Enter the MI Connect User Name and Password and then click OK. It opens the MI Connect application which acts as a Middleware between MI Payload and the connected indicator.
7. In the MI Connect main screen, click New to configure a new indicator. It allows you to enter the configuration details within the Device Properties section.
8. Enter the following details under the **Device Properties**:
  - a. **Platform Name** : Enter descriptive name of the connected indicator or weighing scale
  - b. **Units**: Select a measurement unit in which you want to perform weighing
  - c. **Capacity**: Enter the maximum weighing capacity of the connected indicator
  - d. **Minimum Weight**: Enter the minimum weighing capacity of the connected indicator


- e. **Connection Type:** Select the type of connection through which the indicator is connected with your PC. The indicator can be connected through either to your PC's COM Port or Network.

- i. **Serial Port** – Select this option if the indicator is directly connected to your PC's COM Port.

For Serial Port, enter the following configuration details:

(Check the indicator user manual to know the configuration details.)

1. **COM Port** – select the COM Port through which the indicator is connected with your PC (COM1 is default value)
2. **Baud Rate** – Enter the Baud Rate (9600 is default value)
3. **Data Bits** - Enter the Data Bits (8 is default value)
4. **Parity** – Enter the Parity (None is default value)
5. **Stop Bits** – Enter the Stop Bits (1 is default value)


 <b>IMPORTANT</b>	<p>Be sure the connected indicator or scale and MI Connect must have the same Baud Rate, Data Bits, Parity and Stop Bits settings.</p>
---	--

- ii. **Network** - Select this option if the indicator is connected to your PC through Network cable.

For Network connection, enter the following configuration details:

1. **Host ID/IP Address:** Enter the IP Address of the indicator you want to connect with (localhost is default value)
2. **Port No.:** Enter the Port Number on which the indicator sends the live weight (5000 is default value)

- f. **Template Type** – Select a template type from the list. A template is a file which contains the pre-configured indicator settings. You can create a template according to your requirement. To create a new template, click on the **Advanced**

**Setup** button (  ) or refer the MI Connect online help.

- g. **Notes** – Enter a small note about connected indicator.

9. To check the connection settings, click on the **Test** button at the bottom of the screen. It shows the live weight on the screen. If it shows the “**Not Connected**” message then you must check the above settings and re-enter the correct information.
10. To save the above settings, click on the **Save** button at the bottom of the screen. Now the connected indicator is available for take weight.
11. To close the MI Connect screen, click on the **Cancel/Close** button at the bottom of the screen. It closes the MI Connect application and returns you to the **Preferences** screen in MI Payload.
12. To view the configured indicator in the list, click on the **Refresh** button. It shows the platform name in the list of indicators.
13. To close the **Preferences** screen, click on the **Close** button.

## Start using MI Payload

Use this section to familiarize yourself with **MI Payload**. For detailed information, refer online help which is available with **MI Payload** application.

### Maintaining Data

1. To open the MI Payload, click **Start > All Programs > Avery Weigh-Tronix > MI Payload > MI Payload** or




alternatively, click  on your desktop. It opens the **MI Payload** login screen.

2. Enter the correct **User Name** and **Password** and then click **OK**. It opens the main screen of the **MI Payload** application. The main screen of the **MI Payload** application contains all the menus necessary to use this software.

Prior to start using **MI Payload**, you need to enter Account (customer/vendor), Commodity and Vehicle details.

- a. To enter a vehicle details, click **Data > Vehicle** on the menu bar or alternatively,



click  on the toolbar. It opens the Vehicle screen.

- b. To add a new vehicle details, click on the **New** button at the bottom of the screen.
- c. Enter the vehicle details and then click on the **Save** button.
- d. To close the Vehicle screen, click on the **Cancel/Close** button.

- e. To enter a commodity details, click **Data > Commodity** on the menu bar or



alternatively, click  on the toolbar. It opens the Commodity screen.

- f. To add a new vehicle details, click on the **New** button at the bottom of the screen.
- g. Enter the vehicle details and then click on the **Save** button.
- h. To close the Commodity screen, click on the **Cancel/Close** button.

- i. To enter an account details, click **Data > Account** on the menu bar or



alternatively, click  on the toolbar. It opens the Account screen.


- j. To add a new account details, click on the **New** button at the bottom of the screen.
- k. Enter the account details and then click on the **Save** button.
- l. To close the Account screen, click on the **Cancel/Close** button.

Now, you can use these data to weighing purpose.

## Taking Weight

To perform a weighing in **MI Payload**, follow the steps mentioned below:



1. Click **Transaction > Weighing** on the menu bar or alternatively, click  on the toolbar. It opens the Weighing screen.
2. Select a vehicle from the Vehicle drop-down list.
3. Select an account from the Account drop-down list.
4. Select a commodity from the Commodity drop-down list.
5. Select a weighing process from the Process drop-down list. By default, it shows the Standard weighing process.
6. Select an indicator from the Indicator drop-down list. Before using an indicator in your weighing, you need to configure the indicator. Refer [Configuring Indicator with MI Payload](#).
7. To take weight from the selected indicator, click on the **Take Weight** button. Now first weighing of the selected commodity is completed and the vehicle is marked as Pending vehicle. Detail of this weighing is displayed in the **Vehicle on Site** list.
8. To complete this weighing, select the pending vehicle again or alternatively, click on the pending transaction or vehicle registration number in the **Vehicle on Site** list. All the related details (like vehicle, account, commodity, weighing process and first weight) get filled.
9. To take the second weight, select the indicator ( in case of multiple indicators) and then click on the **Take Weight** button. It prints the weighing ticket on the configured printer and removes the selected vehicle from the **Vehicle on Site** list.
10. To close the Weighing screen, click **Close**.

## Contacting Technical Support

**MI Payload  
Application  
Support**

For technical support, mail us at [support@averyweigh-tronix.com](mailto:support@averyweigh-tronix.com) or call your support engineer.

---