#### **Requirements:**

- Windows 7 or 8, 32 or 64 bit, earlier versions of windows must use SQL Server 2005. For Windows 7, Service Pack 1 is <u>required</u> to install SQL Server 2012. If your system is not up to date please install SP1 before continuing.
- .NET 4.0 is a requirement for SQL Server 2012. SQL Server installs .NET 4.0 during the feature installation step. If you are installing the SQL Server Express editions, ensure that an Internet connection is available on the computer. SQL Server Setup downloads and installs the .NET Framework 4 because it is not included in the SQL Server Express media.
- 3. If you run Setup on a computer with the Windows Server 2012 or Windows 8 operating system, the SQL Server Setup automatically downloads and installs the .NET Framework 3.5 SP1. This process requires internet access. If there is no internet access, it is required to download and install .NET Framework 3.5 SP1 before you run Setup to install any of the above mentioned components.

#### **Procedure:**

- 1. Download the software from Microsoft at the following link; <u>http://www.microsoft.com/en-us/download/details.aspx?id=29062</u>
  - a. Select Download.
  - b. Select the file **ENU\x86\SQLEXPR\_x86\_ENU.exe** (this file contains both the 32 and 64 bit versions)
- 2. Run the installer, right click the file and select "Run as Administrator".

3. Select **New SQL Server stand-alone installation** as shown in figure 1;



Figure 1

#### 4. Accept the License Terms and press **NEXT**;

<b>1</b>	SQL Server 2012 Setup	- 🗆 🗙
License Terms To install SQL Server 201	2, you must accept the Microsoft Software License Terms.	
License Terms Product Updates Install Setup Files	MICROSOFT SOFTWARE LICENSE TERMS         MICROSOFT SQL SERVER 2012 EXPRESS         These license terms are an agreement between Microsoft Corporation (or base live, one of its affiliates) and you. Please read them. They apply to the software which includes the media on which you received it, if any. The terms also apply         • updates,         • supplements,         • Internet-based services, and	ed on where you e named above, y to any Microsoft
	<ul> <li>✓ I accept the license terms.</li> <li>Send feature usage data to Microsoft. Feature usage data includes information ab configuration and how you use SQL Server and its components.</li> <li>See the Microsoft SQL Server 2012 Privacy Statement for more information.</li> </ul>	Copy Print
	< Back Next :	> Cancel

Figure 2

5. At the Product Updates screen select **NEXT**;

1	SQL Server	2012 Setup	- 🗆 🗙
Product Updates Always install the latest update	es to enhance your SQL Server security	and performance.	
License Terms Product Updates	☑ Include SQL Server product upda	ites	
Install Setup Files	Name	Size (MB)	More Information
	SQL Server 2012 SP1 GDR Setup	26	KB 2793634
	1 updates (26 MB) found online. The Setup updates (26 MB) will be i Read our privacy statement online Learn more about SQL Server produ	nstalled when you click Next. <u>ct updates</u>	
		< Back	Next > Cancel

Figure 3

6. On the Feature Selection screen insure that **Database Engine Services** are enabled and the other options are not then select **NEXT**.

1	SQL Server 2012 Setup	– 🗆 ×
Feature Selection Select the Express features to in	stall.	
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Instance Features Database Engine Services SQL Server Replication Shared Features SQL Client Connectivity SDK Redistributable Features	Feature description: The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by- side on the same computer. Prerequisites for selected features: Already installed: Microsoft .NET Framework 4.0 Windows PowerShell 2.0 Microsoft .NET Framework 3.5 To be installed from media: Microsoft Visual Studio 2010 Shell
	Select All       Unselect All         Shared feature directory:       C:\Program Files\Micro         Shared feature directory (x86):       C:\Program Files (x86)\         < Back	Disoft SQL Server\ Microsoft SQL Server\ Next > Cancel Help

Figure 4

 On the Instance Configuration screen, enter "Veritrax" without the quotes for the new instance name as shown in Figure 5 then select NEXT;

Instance Configuration					
Specify the name and instance I	D for the instance of SQL	Server. Instance ID b	ecomes part of the in	stallation path.	
Setup Support Rules Feature Selection Installation Rules	<ul> <li>Default instance</li> <li>Named instance:</li> </ul>	Veritrax			
Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Instance ID: Instance root directory: SQL Server directory: Installed instances:	SQLEXPRESS C:\Program Files\M C:\Program Files\M	licrosoft SQL Server\ icrosoft SQL Server\M	ISSQL11.SQLEXPRESS	···
	Instance Name I	nstance ID	Features	Edition t > Cancel	Version

Figure 5

8. On the Server Configuration screen enter the Account Name to **NT Authority\system** by typing it as shown the then select **NEXT**;

1	SQL Server 2	2012 Setup			1 ×
Server Configuration Specify the service accounts and	d collation configuration.				
Setup Support Rules Feature Selection Installation Rules	Service Accounts Collation	use a separate account for eac	h SQL Server servi	ce.	
Instance Configuration	Service	Account Name	Pasword	Startup Type	e
Disk Space Requirements	SQL Server Database Engine	NT Authority\system		Automatic	~
Server Configuration	SQL Server Browser	NT AUTHORITVALOCAL		Disabled	~
Error Reporting Installation Configuration Rules Installation Progress Complete					
		< Back Nex	t > Cano	cel He	elp 

Figure 6

9. On the Database Engine Configuration screen change the Authentication Mode to Mixed Mode and TYPE the following Password in both blanks; Bod33|en17?ha! (!!! Cut and Paste does not work well !!!)

5	SQL Server 2012 Setup – 🗆 💌
Database Engine Confi	guration
Specify Database Engine authe	ntication security mode, administrators and data directories.
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration <b>Database Engine Configuration</b> Error Reporting Installation Configuration Rules Installation Progress Complete	Server Configuration       Data Directories       User Instances       FILESTREAM         Specify the authentication mode and administrators for the Database Engine.       A       A       A         Windows authentication mode       •       •       •       •         Windows authentication mode       •       •       •       •         Specify the passy       Vertex authentication and Windows authentication)       •       •       •         Specify the password       •       •       •       •       •       •         Confirm password       •       •       •       •       •       •       •       •         Specify SQL Server authentistatures       •
	RSP-LBARNES\lbarnes (lbarnes)       SQL Server administrators have unrestricted access to the Database Engine.         Add Current User       Add
	< Back Next > Cancel Help

#### Figure 7

(note: the vertical bar | is the shifted \ key above the ENTER key and below the backspace key, all alpha characters (letters) are lower case except the first B. Cut and Paste does not work well !)

J.	On the Error F	Reporting screen just select <b>NEXI</b> ;
	1	SQL Server 2012 Setup – 🗆 🗙
	Error Reporting	
	Help Microsoft improve SQL Se	rver features and services.
	Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration <b>Error Reporting</b> Installation Configuration Rules Installation Progress Complete	Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings. See the Microsoft SQL Server 2012 Privacy Statement for more information. Read more about Microsoft Update and Automatic Update. Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction.
		< Back Next > Cancel Help

#### 10 <u>.</u>...

#### Figure 8

After this step, the actual installation will run. This will take several minutes even on a fast computer. Do not interrupt the installation or cancel it as a partial installation can be very difficult to recover from. Several different screens will come up as the installation progresses, be patient until the complete screen comes up.

11. If the installation works properly you will get the following screen showing all of the components installed, just click **CLOSE** to exit the installer.



#### Figure 9

You should now be able to complete the install of AxtraxNG version 23.0 or later (SQL Server 2012 is not compatible with earlier versions of AxtraxNG or Axtrax AS525). If you still have problems with AxtraxNG connecting to SQL server please make sure you have done the following;

- 1. Reboot the PC after installing the AxtraxNG server software.
- 2. Disable antivirus software that may be blocking the connection.
- 3. Login with administrator privileges.

If all of these fail please contact Rosslare Security Technical Support for assistance; 1-866-632-1101 opt 4.