

Microtrak evolution.NET

INTRODUCTION

Thank you for purchasing **Microtrak Evolution.NET**. To ensure you get the best from this product, some careful system configuration is required. Please take time to read the installation notes fully below before proceeding ...

PREPARATION

Microtrak Evolution.NET consists of four components:

System Database - An SQL compatible database is used to store all of the data required to configure and operate the system. The setup procedure can install an instance of Microsoft SQL Server 2005 Express Edition, and create the necessary accounts and databases for **Microtrak Evolution.NET**. Alternatively, you can choose to use an existing SQL database. You will need the Administrator login ID and password, so that **Microtrak Evolution.NET** databases can be created. After installation **Microtrak Evolution.NET** will use the accounts created during setup, and no longer needs Administrator access rights.

.NET Service - The software runs as a Service that starts automatically when Windows opens. The Service can be installed on the same PC, or different PC to the database, but it must be able to access the database.

Access Controller Service - The system needs at least one Access Controller, which also runs as a Service and starts automatically when Windows opens. The Access Controller can be installed on the same PC, or different PC to the other components. Additional Access Controllers can be attached to **Microtrak Evolution.NET Pro** and these will typically be installed in a different building or site. Each Access Controller must have TCP/IP communications with the .NET Service.

Graphical User Interface (GUI) - The GUI is installed as a client that needs TCP/IP communications with the .NET Service. You can install one or more copies of the GUI and these can be installed on the same PC as other components or on different PCs, depending on local requirements.

ADDITIONAL REQUIREMENTS

Before installing **Microtrak Evolution.NET**, you need to check if **Internet Information Services (IIS)** and **Message Queuing** are present. Also a minimum of version 2.0 of the .NET framework is required.

Check by going to **Start>Control Panel>Add or Remove Programs** and click the **Turn Windows features on or off link**. Scroll down to the components called **Internet Information Services (IIS)** and **Microsoft Message Queue (MSMQ)**. If the checkbox is ticked, the components are already installed and you can click **Cancel** to exit. Otherwise tick the checkbox and click the **Next** button.

If you are installing a **Microtrak Evolution.NET Service** on Windows 2003/2008/2012 Server, contact the system administrator who may need to run the *'Manage your Server'* Wizard supplied with the operation system.

There are 2 pre-requisites included with the install package and these must be installed before **Microtrak Evolution .NET** can be installed.

SharedManagementObjects-x64.msi and **SQLSysClrTypes-x64.msi**.

In the following procedure, all of the components are installed on a single PC. If you are installing the components on different PCs, or you are using an existing database, un-tick components in step 2. accordingly.

NOTE: Although the program must be installed with Administrative rights, these are not required to run it. However, any Windows user must have **Full Control** of the **TouchStar ATC Limited** program folder to be able to run the program correctly.

It is possible that Firewall rules will need to be added for the relevant Ports being used for communication e.g. **9100** and **9876** by default.

SYSTEM REQUIREMENTS:

The components can be installed on a single computer, or individual components can be installed on different ones as required. Microtrak Evolution.NET will run on all Windows® **32** or **64** bit operating systems including Windows **7,8.1** and **10** as well as Server **2012**. Typical minimum system requirements are:

SQL SERVER 2008 EXPRESS EDITION:

Pentium 3GHz and 4GB RAM, Windows **7, 8.1, 10**, Server **2008** or Server **2012** Server.

EVOLUTION.NET SERVICE:

Pentium 3GHz and 4GB RAM, Windows **7, 8.1, 10**, Server **2008** or Server **2012** Server, V2.0 .NET framework or higher, with IIS and Message Queuing installed.

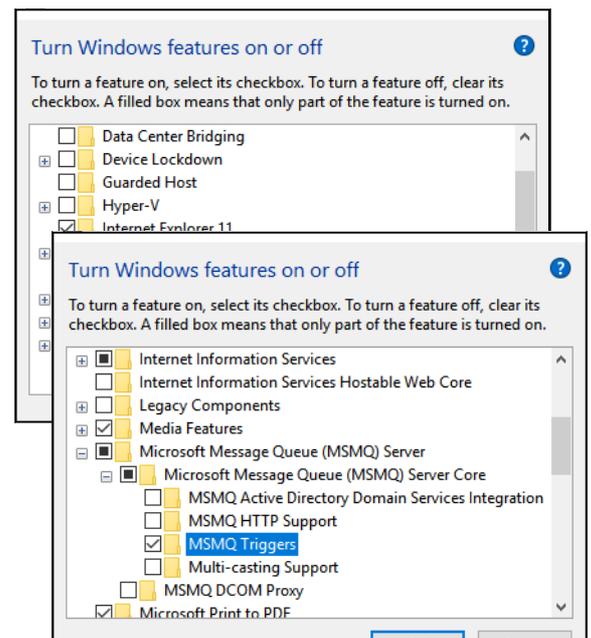
EVOLUTION.NET ACCESS CONTROLLER:

Pentium 3GHz and 4GB RAM, Windows **7, 8.1, 10**, Server **2008** or Server **2012** Server, V2.0 .NET framework or higher, with IIS and Message Queuing installed.

EVOLUTION.NET CLIENT GUI:

Pentium 3GHz and 4GB RAM, Windows **7, 8.1, 10**, Server **2008** or Server **2012** Server, V2.0 .NET framework or higher, with IIS and Message Queuing installed.

NOTE: If installing to a Virtual system, the minimum requirements of the host PC must be increased appropriately.



touchstar
access | time | CCTV



INSTALLATION

| | Full Installation (with database) | Microtrak Evolution.NET Service | Microtrak Evolution.NET GUI | Access Controller Service | Adaptace (System Integration) |
|---|-----------------------------------|---------------------------------|-----------------------------|---------------------------|-------------------------------|
| Database Administrator Username and Password | n/a | yes | Not Required | Yes | Yes |
| Windows Internet Information Services (IIS) | Yes | Yes | Not Required | Yes | Not Required |
| Windows Message Queuing | Yes (if installing Adaptace) | Not Required | Not Required | Not Required | Yes |
| Evolution .NET service IP address/URL & Port number | n/a | Not Required | Yes | Yes | Not Required |

We strongly recommend keeping a written copy of all credentials used during this installation to allow for changes and upgrades in the future

1. Download and copy the install package to the server/ computer where you want to install the software. Run the **Microtrak Evolution .NET.exe**.

The install wizard will start.

2. Select the features as required by ticking the appropriate boxes. Click on the **Next** button.

3. The installation will be carried out in two phases. Firstly the **SQL Server** databases will be created and secondly, the rest of the installation will continue after this stage has been completed.

4. You need to have the SQL server **sa** password for the new database which needs to be confirmed. Enter the Server Address to be used, its sa user and password. Click the **Test Connection** button to check these credentials. If correct, the **Next** button will become active. So you can proceed.

5. Click the **Next** button and then the **Prepare Database** button to start creating and upgrading databases.

When completed, the **Next** button will become active so you can proceed to the next stage.

6. Click the **Next** button to continue.

The screenshots show the following steps of the installation wizard:

- Welcome to Microtrak Evolution .NET Setup Wizard:** The Setup Wizard will install Microtrak Evolution .NET on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
- Feature Setup:** Choose the components that best suit your needs. Features selected for installation include:
 - Microtrak Evolution .NET Service (IIS Required)
 - Microtrak Evolution .NET GUI
 - Access Controller (IIS Required)
- Database Setup:** Please enter the SQL Server details.
 - Specify the SQL Server to install to: Server Address: FBK-LAPTOP-3\SQL2016
 - Connect using the administrator's login and password below:
 - Login: sa
 - Password: [masked]
- Database Setup:** Preparing database for use...
 - Microtrak Evolution .NET will create your database and prepare it for use. If it already exists it will upgrade it to the latest schema version.
 - Waiting to start...



7. You now need to specify an Administrator Login ID: and Password: for **Microtrak Evolution.NET** itself. These will be used to run the GUI for the first time. Additional accounts can be created later, with full or restricted access to the software, using the User Management module.

Click the **Next** button to continue.

8. The default Access Controller settings can be used unless you have a reason to change them. The default will be AC ID: **AC_1** and AC Port : **9100**.

Click the **Next** button to continue.

9. You now need to enter an IP address and Port number for communications with the **Microtrak Evolution.NET** Service.

If you are installing all of the components on the same PC, leave these settings at their default values - Address: **127.0.0.1**, Port: **9876**.

If you have installed the **Microtrak Evolution.NET** Service on another PC, enter the IP address or URL of the other PC. **NOTE:** The Port can be changed to any other assigned port number, but be aware that other applications or services may already be using specific port numbers. If in doubt consult your IT Supervisor.

Click the **Next** button to continue.

10. If installing the *Lite* version of the software, select the radio button and click **Next**. If installing the *Professional* version, click on the **Get Licence** button.

A web page will open. Enter the relevant information into the boxes (this will have been provided when you ordered). Click on the **Generate serial key** button. Put that key and your other licence details into the relevant boxes and click on the **Next** button.

NOTE: This information will have been provided when you ordered the software and has to be entered in the exact same way including case sensitivity.

11. **Microtrak Evolution.NET** will be installed in the default Destination Location shown, unless you wish to specify an alternative location.

Click the **Next** button to continue.

12. To install the program, click the **Install** button.

13. Click the **Install** button. It will take a few minutes to complete the installation. During this time various dialog boxes will appear to inform of what stage the installation has reached. The last action will be to create a log of the installation before **Microtrak Evolution.NET** is run for the first time.

14. Finally click the **Finish** button and restart your computer if prompted to do so. When it restarts, the database, Microtrak Evolution and Access Controller services will be running.

Completing the Microtrak Evolution .NET Setup Wizard

Click the Finish button to exit the Setup Wizard.



15. To run the **Microtrak Evolution.NET** GUI, click on the new desktop icon and enter the *Login ID* and *Password* that were entered in step 7.

16. To install just the **Microtrak Evolution.NET** GUI on another PC, follow the installation procedure from step 1.

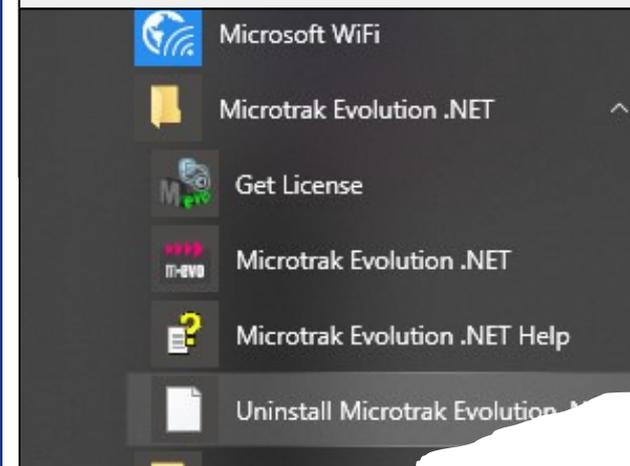
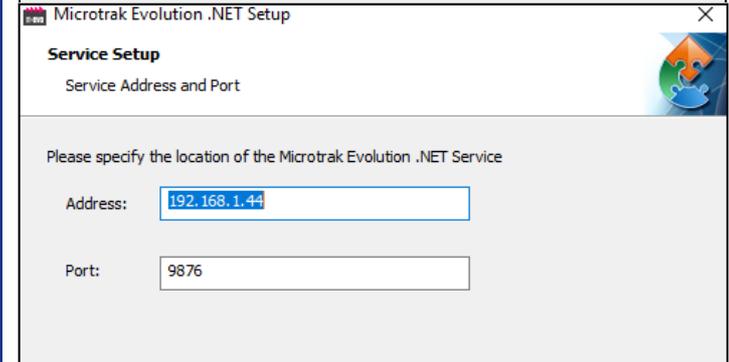
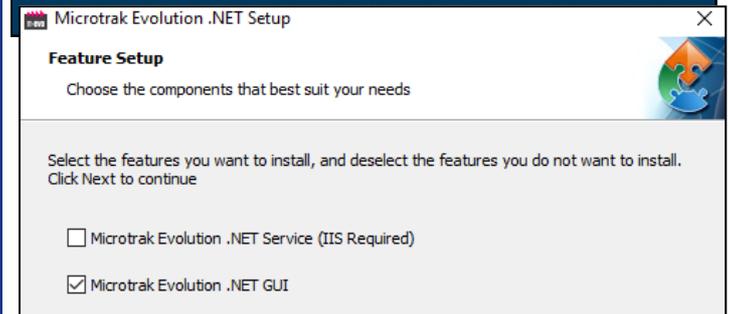
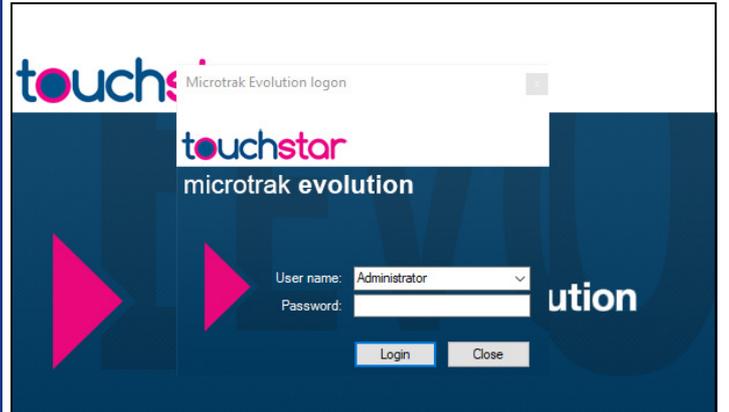
In step 2, un-tick all components except *Microtrak Evolution .NET GUI*.

Click the **Next** button to continue.

Setup will go straight to step 9.

In step 9, enter the IP address or URL of the PC that the **Microtrak Evolution.NET** Service is installed on.

17. To uninstall **Microtrak Evolution.NET** select:
Start>Programs>Microtrak Evolution.NET>Uninstall Microtrak Evolution.NET.



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