

Pump Magic 2 Remote Access

Strategies and Methods for Remote Operation

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Preliminary Setup

Pump Magic 2 offers flexibility like never before. Build on Microsoft SQL technology, accessing live data in and out of the office is first in the Concrete Pumping industry. This document outlines the necessary step involved in remote accessibility of Pump Magic 2 data from anywhere in the world. This section will cover all of the preliminary requirements to enable remote access.

You must first have an always-on Internet connection where your SQL Server resides. You must also be connected to the Internet from your remote location in order to access the Pump Magic database.

SQL Server Configuration

In order to enable remote access, the SQL server must first have an external (public) IP address or the DSL/Cable gateway router must be configured to redirect the SQL traffic. If you are using an external IP address please skip to **Pump Magic 2 Configuration**.

Prior to Configuring Your Router

- In order to provide continuous access without reconfiguration of your gateway router on a regular basis it is highly recommended that the SQL Server be assigned a fixed IP address on the local network.

You can check your server IP address by right clicking on My Network Places and choosing Properties. Right click on your connection to the router and choose Properties. Double click on Internet Protocols (TCP/IP). Make sure, Use the Following IP Address option is checked and a proper IP address has been assigned. Contact your network administrator for details.

- You need to record the IP address of the server obtained using the above procedure. This information will later be used to configure your gateway router.

Gateway Router Configuration

It is important that you have completed the above procedure prior to continuing with this process. Before continuing, you will be required to obtain the login information to your router. If you do not have the information, talk to your network administrator.

Once you have obtained the necessary information please follow the below steps.

- 1) Login to you gateway router using the login information

This can be done by typing in the address of your router into y our web browser; usually this address is either 192.168.1.1 or 192.168.0.1

- 2) Once you have logged in, select the option “Applications & Gaming”. Depending on your router this link may be vary.

Tip: If your router does not have the above link, look for a link or an option relating to “Port Forwarding”

- 3) You should see a screen listing various Port Ranges. Depending on your router you can configure this screen directly or you may be required to select the Add option.
- 4) Insert the following information into the form.

Field	Data
Name/Description	SQL
Start/Begin/From	1433
End/To	1444
Protocol	Both(TCP & UDP)
IP Address*	Your SQL Server IP
Enable**	Checked

* See above for instruction on obtaining the IP address of your SQL Server.

** This option is not available on all routers. It may only apply to some.

- 5) Click the Save Settings/Apply Changes option.
- 6) Select the option “Status” from your menu. This should display the Internet IP Address. Please write this IP address down for use in the following procedure. This is the Public IP Address of your gateway router

Pump Magic 2 Configuration

Once the above procedures have been completed you must configure your Pump Magic 2 prior to use out of the office.

Adding a New Connection

To add the remote database access option, follow the below steps;

- 1) Start Pump Magic 2
- 2) Choose File – Open Connection

Please make sure that the SQL Server option is checked. You can verify this option by going to Tools – Database Utilities.

- 3) Select your local database from the SQL Server Locations list.

If you do not have any connections listed, just fill in the blanks using the relevant information used to configure your Pump Magic at the time of Install.

- 4) Change the Server field. Type in the address of your gateway router (public IP address used to access the Internet) or if your server is assigned an external address, the external IP address of the server.
- 5) Change the Name of Location field to another name. I.e. Remote.
- 6) Click the Add button.
- 7) Double click the new SQL Server Location from the list. If all of the above steps have been properly followed you should now be able to view your Pump Magic database. Please see below for changing between in and out of office operations.

Changing Between In/Out Office Operations

Due to the inherent architecture of networks, it is important that you choose the right SQL Server Location depending on whether you are in or out of the office. If you are in the office using the Remote Access option your connection to the Pump Magic database may be slow. To avoid any slowdowns please make sure to use the local office SQL Server Location when you are in the office and the Remote database option when you are out. This will ensure proper functionality.

Trouble Shooting

If you have completed all of the above steps and your Pump Magic fails to work properly try the following options.

Start Over and Repeat the Step

You should try to re-follow the entire procedure and make sure that all of your configurations are correct according to the instructions. If you continue to have difficulties please contact Pump Magic for technical assistance.

Technical Support

Pump Magic: (805) 306 – 1892