Software Installation Manual (V2.0)

Parking Guidance System

### Software Overview

Parking Guidance System (PGS) is an electronic system benefits drivers, car park management and society. The design concept is to pinpoint available parking spaces and lead drivers to park, reduce the time they spend looking for a space and maximize facility usage.

As an optional product (PGS is a standalone system), our Software is a multi-language, graphical application developed based on Window 7 OS and Microsoft SQL database, with intuitive UI, simple operation and complete functions.

#### **Key functions:**

- 1. Display real-time occupancy status and parking time of each space, availability information of each parking level and the entire car park;
- 2. Various statistics such as Parking Time, Parking Usage, Car Flow and Overtime Parking
- 3. Multiuser with different rights to access the system
- 4. Remote configuration to manage LED Display from the office
- 5. Remote monitoring of PGS components

### System Requirement

OS	Windows Server 2008 R2 Standard 64 Bit	Windows 7 Ultimate 64 Bit
OS user	Administrator	Administrator
.NET Framework	.NET Framework 4	.NET Framework 4
Database	Microsoft SQL Server 2008 R2	Microsoft SQL Server 2008 R2
	Standard 64 Bit	Standard 64 Bit
Instance	sql2008	sql2008
Database user	sa	sa
Password	N/A	N/A

## Installation

#### 1. Install SQL

Make sure your system environment meets the requiremnt of this installation and follow the steps one by one to install. In case of any problem installing SQL, please refer to relevant documentation from Microsoft.



Planning stage Click *Installation* to proceed.



Installation options Choose *New installation or* add features to an existing installation to.

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Setup Support Rules Click **OK** to proceed.

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Planning Install	ation	New installation or add fea Launch a wizard to install	tures to an existing installation. SQL Server 2008 R2 in a non-clustered environ	ment or to add features to an existing SQL	
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Options	Setup Support Files	The following components	are required for SQL Server Setup:		
		Feature Name	Status	2.	
∑šQ.	É Server 2008 R2		< Back	Install Cancel	Setup Support Files Click <i>Install</i> to proceed.

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# Setup Support Rules Done Click **Next** to proceed.

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ces ed	<b>Product Key</b> Specify the edition of SQL Ser	ver 2000 R2 to install.
5.	Setup Support Rules Froduct Key License Terms Setup Role Feature Selection Installation Rules Disk Space Requirements Error Reporting Installation Configuration Rules Ready to Install Installation Frogress Complete	Validate this instance of SQL Server 2008 R2 by entering the 25-character key from the Microsoft cartificate of anthanticity or product packaging. Tor can also specify a free detion of SQL Server, sub accounted for the product packaging. Tor can also specify a free entering the second sec
		< Back Next > Cancel Help

Product Key Enter *product key* and click *Next* to proceed.



## License Terms Tick *I accept the license terms* and click *Next* to proceed.



### Setup Role Tick *All Features With Defaults* and click *Next* to proceed.



Feature Selection Click *Next* to proceed.

Installation Rules

Click Next to proceed.





Instance Configuration Tick *Named instance*, input *sql2008* and click *Next* to proceed.



Disk Space Requirements Click **Next** to proceed.

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Server Configuration Specify the service accounts an	nd collation configuration.				ures to an existing SQL
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Instance Configuration	SBL Server Agent	NT AITHORTTY\SYSTEM	rassword	Automatic V	2008 R2.
Disk Space Requirements	SQL Server Database Engine	NT AUTHORITY\SYSTEM		Autonatic -	
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Database Engine Configuration Analysis Services Configuration	SQL Server Reporting Services	NT AUTHORITY\SYSTEM		Autonatic 💌	
Reporting Services Configuration	SQL Server Integration Servi	NT AUTHORITY\SYSTEM		Autonatic 💌	
Error Reporting	SQL Full-text Filter Daemon	NT AUTHORITY\LOCAL		Manual	
Installation Configuration Rules	SQL Server Browser	NT AUTHORITY\LOCAL		Autonatic 💌	
complete		Use the same acc	ount for all S	QL Server services	
		< Back	Next	Cancel   Help	

# Server Configuration Choose *options accordingly (Important)* and click *Next* to proceed.



Database Engine Configuration Tick *Mixed Mode (SQL...)*, *enter password (anything you like), confirm it* and click *Next* to proceed.



Analysis Services Configuration Click *Add Current User (if it's not in the blank area)*, and then click *Next* to proceed.



Reporting Services Configuration Tick *Install the native mode default configuration* and click *Next* to proceed.



Error Reporting Click **Next** to proceed.



Installation Configuration Rules Click *Next* to proceed.



### Ready to Install Click *Install* to proceed.

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	Database Engine Configuration Analysis Services Configuration Reporting Services Configuration Error Reporting Installation Configuration Rules Ready to Install Installation Progress Complete		
\\.		Next > Cancel Help	
~	SQL Server 2008 R2		

Installation Progress Installation takes quite a few minutes, go cook a coffee.



#### Complete

Finally, click *Close* to finish SQL installation. Now only a few steps left before installing PGS software.

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# Configuration Confirm Make sure it looks all the same on your PC.

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Configuration Confirm Make sure *TCP/IP* is *Enabled*.

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SQL Server Betwork Configuration	SQL Server (SQL2008)	Running	Automatic	LocalSystem	5036	SQL Server
S. Client Protocols	DSQL Server Agent (SQ	Kunning	Automatic	LocalSystem	3184	SQL Agent
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# Configuration Confirm Make sure it looks all the same on your PC.



Server Management Open up *SQL Server Management Studio*, there's some setup to do.



#### Login

Input user name *sa* and *password (the one you just set up during SQL installation),* click *Connect* to proceed.

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Change password Double click sa to open up *Login Properties – sa*.



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		SQL Server authentication				
		Password:				
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		Default language:	English		-	
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				OK	Cancel	
Beady					111	

Clear Password Clear *password*, un-tick *Enforce password policy*, click *OK* to confirm.



Click **Yes** to confirm. SQL installation finalized.

Tips: Before installing new version SQL software, the old version must be COMPLETELY uninstalled.

### 2. Install PGS

Simply follow the steps one by one to install PGS mangement software: Very important tip: must login OS as system administrator!

PARKING Setup	
Welcome to the PARKING Setup Setup Wizard	5
The installer will guide you through the steps required to install PARKING Setup on your co	Welcome page
	Click Next to proceed
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in sev or criminal penalties, and will be prosecuted to the maximum extent possible under the law.	vere civil

Confirm Installation
The installer is ready to install PARKING Setup on your computer. Click "Next" to start the installation.

Select Installation Folder

# **Confirm Installation**

PARKING Setup	X j PARKING Setup
Installing PARKING Setup	Installation Complete
PARKING Setup is being installed. Please wait	PARKING Setup has been successfully installed. Click "Close" to exit.
Cancel < Back Next>	Please use Windows Update to check for any critical updates to the .NET Framework.  Cancel < Back Close

Installation Progress

Installation Complete

Create Database	and the second secon
SqlServer	
Database Version SqlServer2008	
Database Server IP 127.0.0.1	Parking Guidance System
Instance Name sq12008	User Name:
Database Name TCDB	Password:
User Name sa	Change Passwor Login Exit Parking Setup
Password	
Test Connection OK Cancel	
Initialization	Get Started
Click Ok to create database	Login

#### 3. Uninstall PGS

The uninstallation of PGS mangement software is as simple as its installation, you may uninstall it from one of the followed:



Important tip: before reinstalling PGS software, must delete **TCDB** from database; go to the next page for details.



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veneral	Object to be dele	Object to be deleted				
27	Object Name	Object Type	Owner	Status	Message	
	TCDB	Database	Sà			
Connection Serve: 127.0.0.1vg12008 Connection:						
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