

Installation Guide

ZKBio WDMS

Date: April 2024

Software Version: 9.0.2

Doc Version: 1.0

English

Thank you for choosing our product. Please read the instructions carefully before operation. Follow these instructions to ensure that the product is functioning properly. The images shown in this manual are for illustrative purposes only.



For further details, please visit our Company's website
www.zkteco.com.

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If there is any issue related to the product, please contact us.

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About the Company

ZKTeco is one of the world's largest manufacturer of RFID and Biometric (Fingerprint, Facial, Finger-vein) readers. Product offerings include Access Control readers and panels, Near & Far-range Facial Recognition Cameras, Elevator/Floor access controllers, Turnstiles, License Plate Recognition (LPR) gate controllers and Consumer products including battery-operated fingerprint and face-reader door locks. Our security solutions are multi-lingual and localized in over 18 different languages. At the ZKTeco state-of-the-art 700,000 square foot ISO9001-certified manufacturing facility, we control manufacturing, product design, component assembly, and logistics/shipping, all under one roof.

The founders of ZKTeco have been determined for independent research and development of biometric verification procedures and the productization of biometric verification SDK, which was initially widely applied in PC security and identity authentication fields. With the continuous enhancement of the development and plenty of market applications, the team has gradually constructed an identity authentication ecosystem and smart security ecosystem, which are based on biometric verification techniques. With years of experience in the industrialization of biometric verifications, ZKTeco was officially established in 2007 and now has been one of the globally leading enterprises in the biometric verification industry owning various patents and being selected as the National High-tech Enterprise for 6 consecutive years. Its products are protected by intellectual property rights.

About the Manual

This manual introduces the installation of ZKBio WDMS software.

All figures displayed are for illustration purposes only. Figures in this manual may not be exactly consistent with the actual products.

Document Conventions

Conventions used in this manual are listed below:

GUI Conventions

For Software	
Convention	Description
Bold font	Used to identify software interface names e.g. OK , Confirm , Cancel .
>	Multi-level menus are separated by these brackets. For example, File > Create > Folder.
For Device	
Convention	Description
< >	Button or key names for devices. For example, press <OK>.
[]	Window names, menu items, data table, and field names are inside square brackets. For example, pop up the [New User] window.
/	Multi-level menus are separated by forwarding slashes. For example, [File/Create/Folder].

Symbols

Convention	Description
	This represents a note that needs to pay more attention to.
	The general information which helps in performing the operations faster.
	The information which is significant.
	Care taken to avoid danger or mistakes.
	The statement or event that warns of something or that serves as a cautionary example.

Table of Contents

1	OVERVIEW.....	6
2	INSTALLATION SETUP.....	6
2.1	SYSTEM REQUIREMENTS.....	6
3	INSTALLATION STEPS.....	7
4	SQL SERVER CONFIGURATION WITH ZKBIO WDMS.....	13
5	ZKBIO WDMS CONFIGURATION.....	14
5.1	SERVER PORT CONFIGURATION.....	14
5.2	DATABASE CONFIGURATION.....	15
5.3	LICENSE INFORMATION.....	17

1 Overview

ZKBio WDMS is a middleware which stands for Web-based Data Master System. As a middleware, ZKBio WDMS allows the user to deploy on kinds of servers and databases for devices and transactions management. It provides a stable connection to ZKTeco standalone push communication devices through Ethernet/ Wi-Fi/ GPRS/ 3G/ 4G. Administrators can access ZKBio WDMS anywhere through the browser or a third-party software by API to handle thousands of devices, thousands of employees, and their transactions. At the same time, its new MTD module will ensure that every employee entering the work area is well.

2 Installation Setup

2.1 System Requirements

Feature	Specification
Operating System	Windows 8/ 8.1/ 10/ 11 (64-bits) Windows Server 2008/ 2008 R2/ 2012/ 2012 R2/ 2016/ 2019 (64-bits)
Memory	4GB or above
CPU	Dual-Core Processor with a speed of 2.4GHz or above
Hard Disk	100GB or above (We recommend using NTFS hard disk partition as the software installation directory)

Database

- PostgreSQL 15.0 (default)
- MS SQL 2005/ 2008/ 2012/ 2014/ 2016/ 2017/ 2019
- MySQL 7.0 or above
- Oracle 19c or above

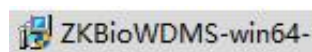
Browsers

- Chrome 33+
- Microsoft Edge 117+
- Firefox 27+

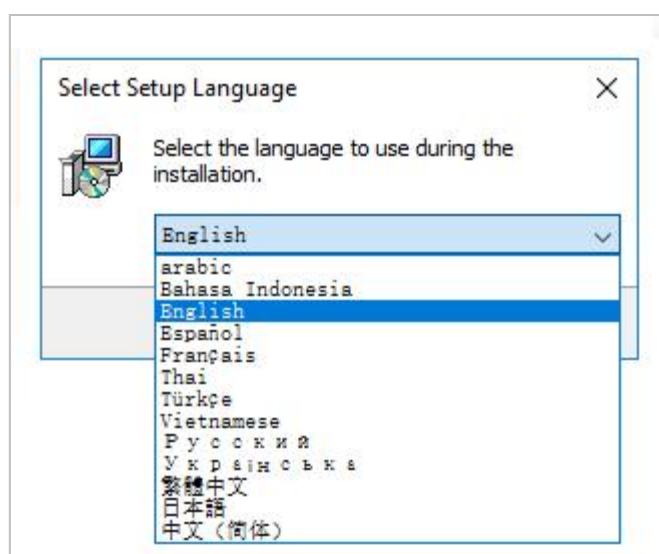
3 Installation Steps

Perform the following steps to install the ZKBio WDMS software.

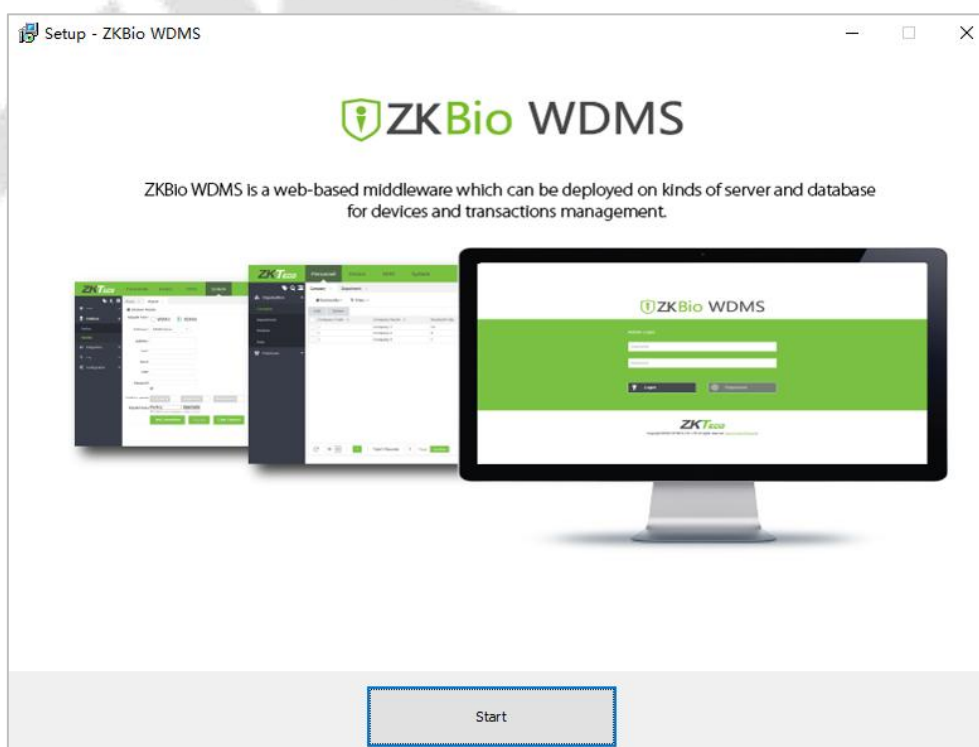
1. Right-click the **ZKBio WDMS-win64-9.0.2.exe** file and select **Run as Administrator**.



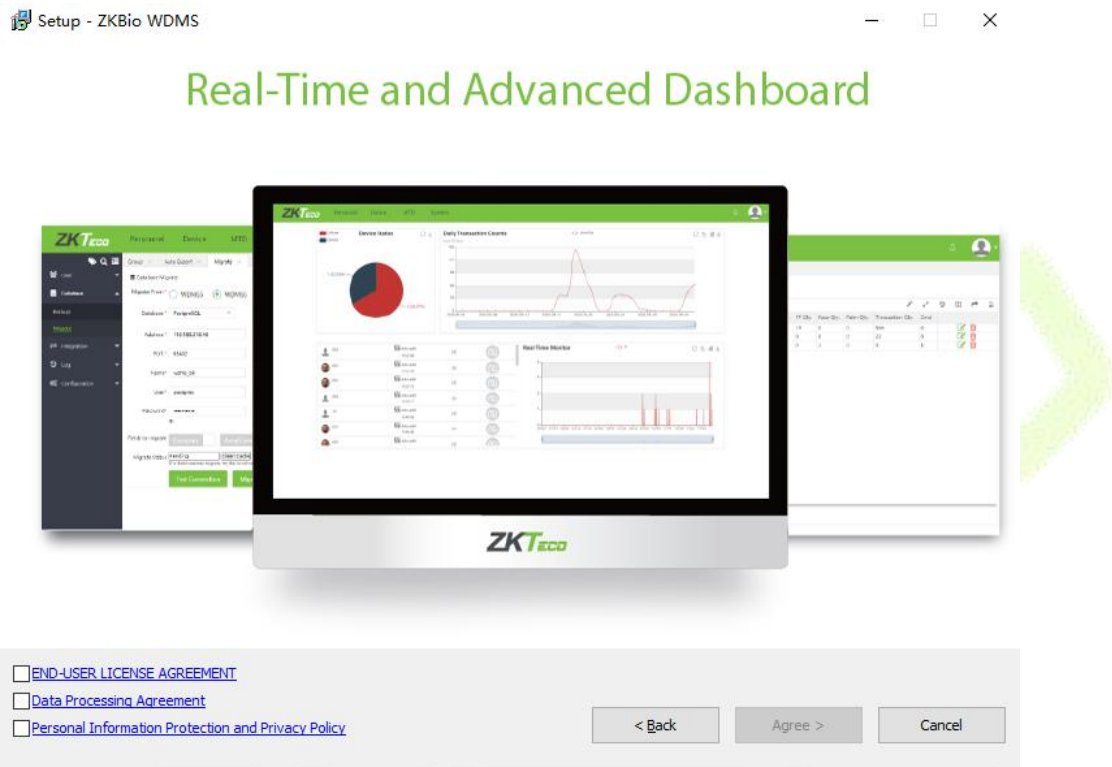
2. Select the setup language from the drop-down list.



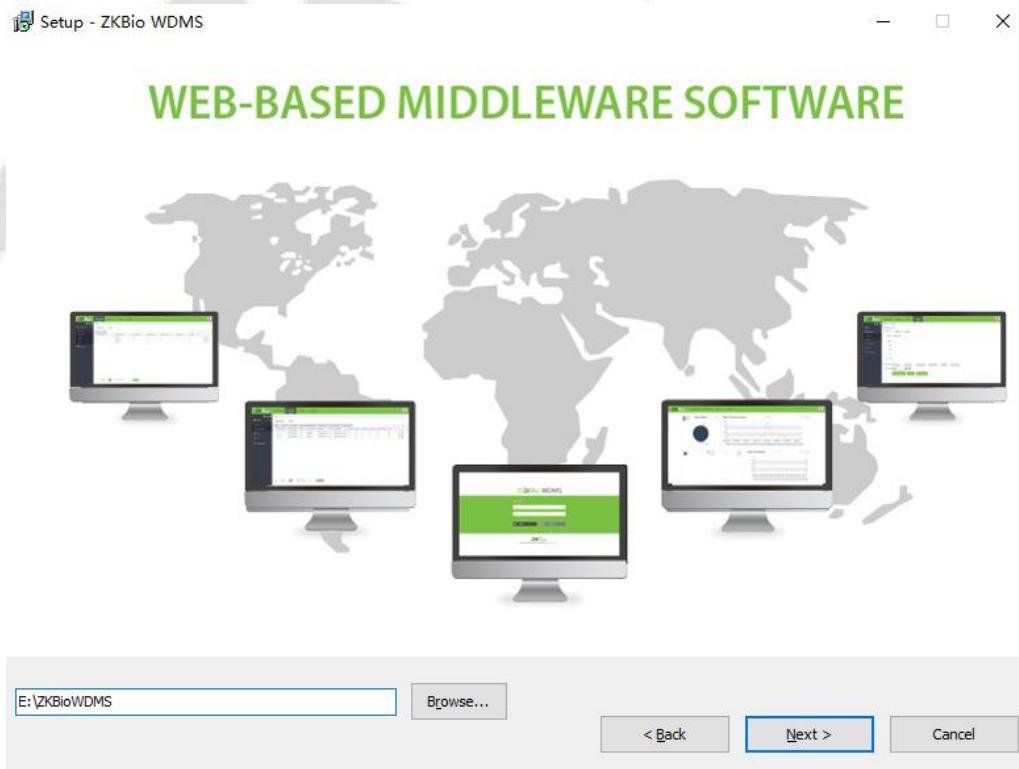
3. Click **Start** to start the installation process.



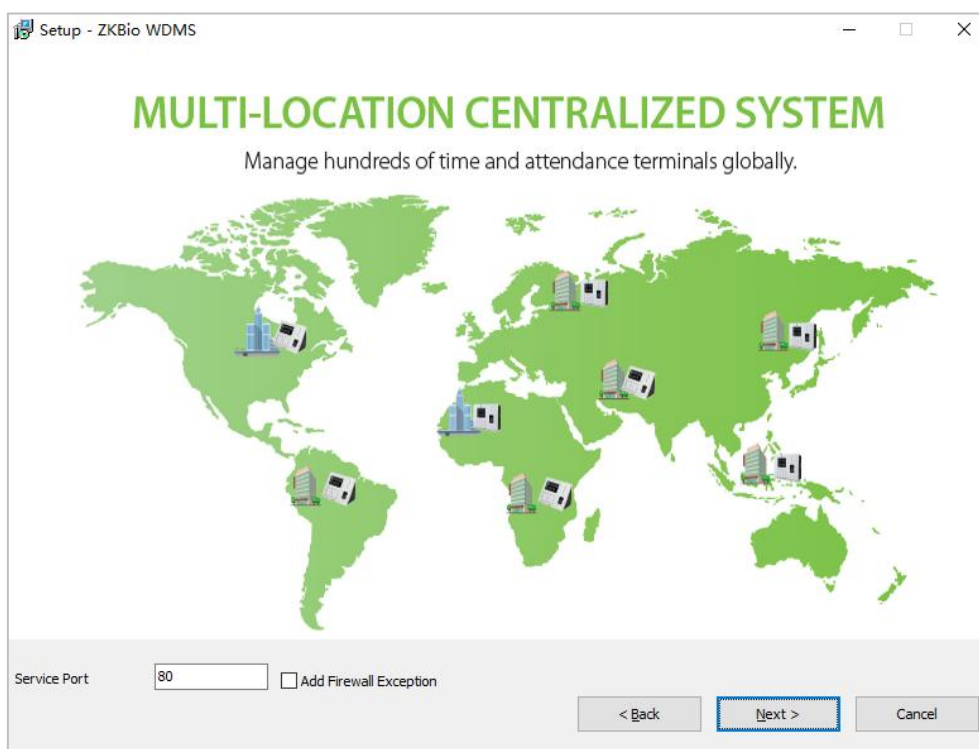
4. Please read the **END-USER LICENSE AGREEMENT**, **Data Processing Agreement**, **Personal Information Protection and Privacy Policy** carefully before clicking "**Agree**" if you agree with the terms & conditions or if you disagree go "**Back**".



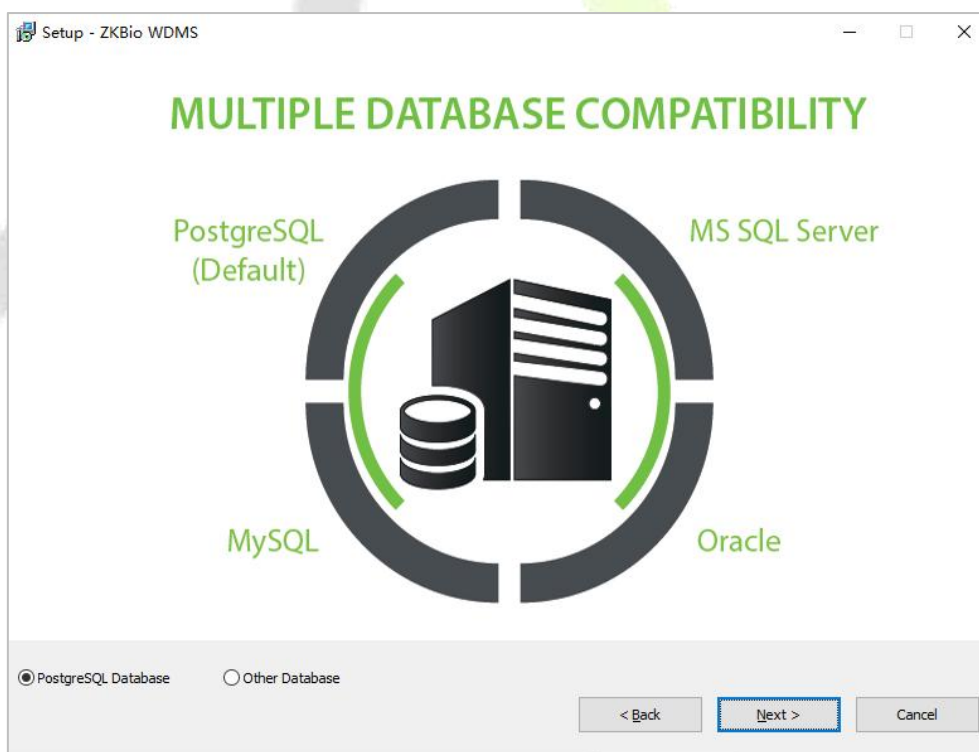
5. Select the installation path to install the software and click **Next**.



6. Set the Port number and select the **Add Firewall Exception** checkbox.



7. Choose **Default Database** to install the software in the default database **PostgreSQL**. The user can also configure the database after installation in the ZKBio WDMS Platform Services Console.



8. If the user chooses to configure the database in the installation process, click **Other Database** and select the type of database. Fill in the details accordingly.

Setup

MULTIPLE DATABASE COMPATIBILITY

Configure Database

☐ No Database
☒ MS SQL Server
☐ MySQL
☐ Oracle

Database Name: zkteco_biotime
Username: sa
Password:
Host Address: 127.0.0.1
Port Number: 1433

Test Connection Post Cancel

☐ Default Database ☒ Other DataBase

< Back Next > Cancel

Database Name
SQL Username
SQL Password
SQL Server IP

9. Select **backup path**.

Setup - ZKBio WDMS

MULTIPLE DATABASE COMPATIBILITY

PostgreSQL (Default) MS SQL Server
MySQL Oracle

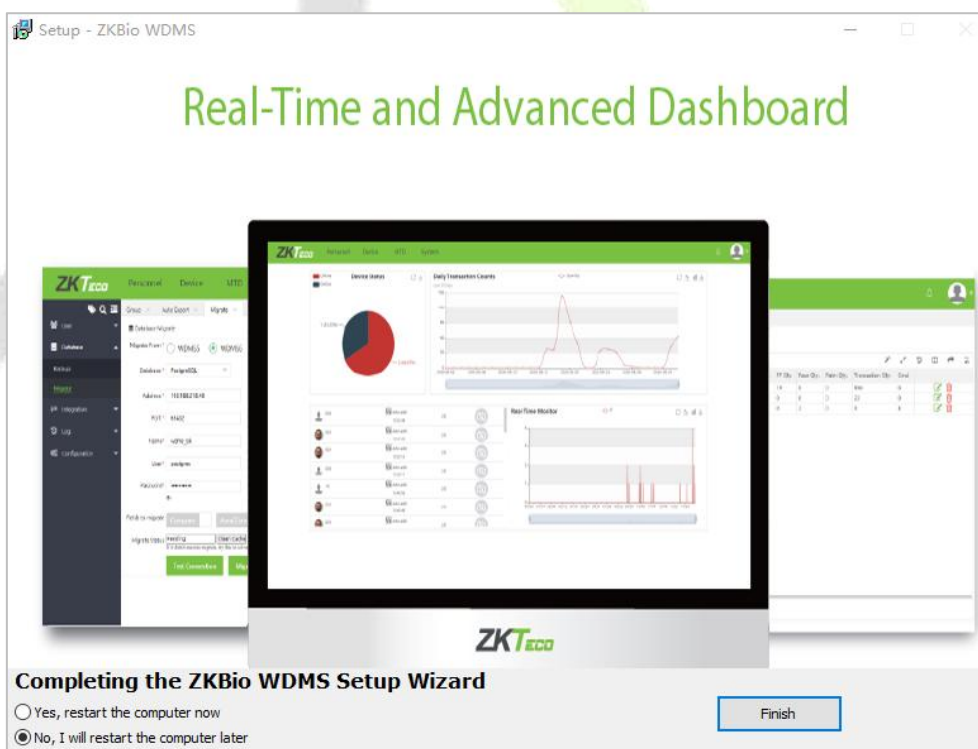
Database backup path
E:\ZKBioWDMS\files\backup\ Browse...

< Back Next > Cancel

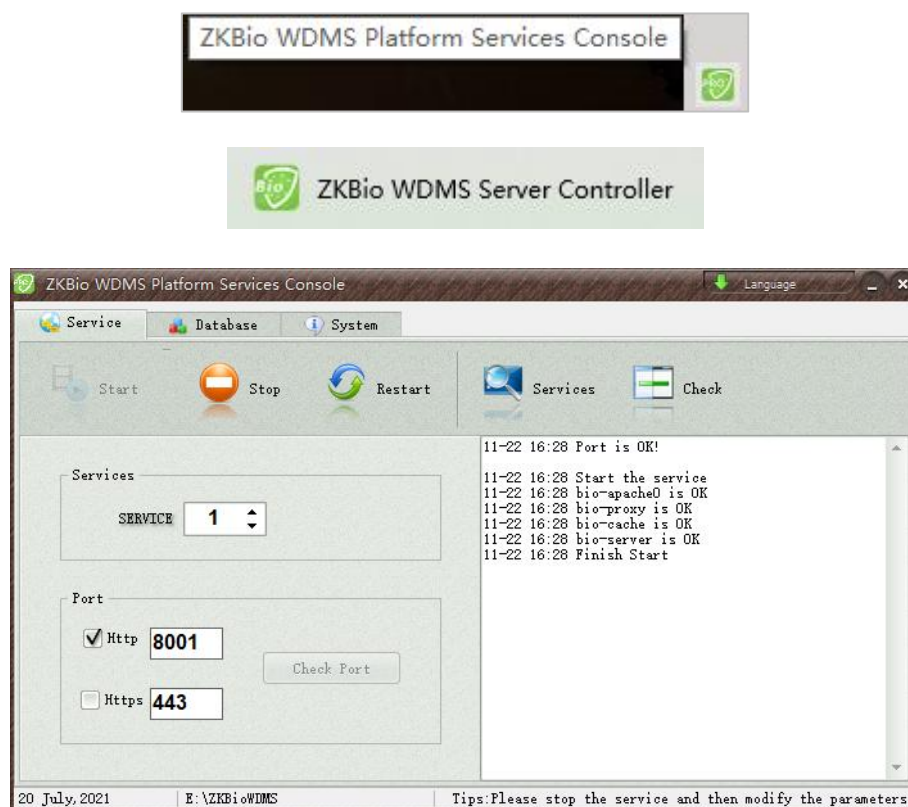
10. Click Install.



11. Complete the installation process by restarting the system.



12. After installation, run the ZKBio WDMS Platform Services Console in the taskbar or in the Start menu. Then click Start under the Service tab.



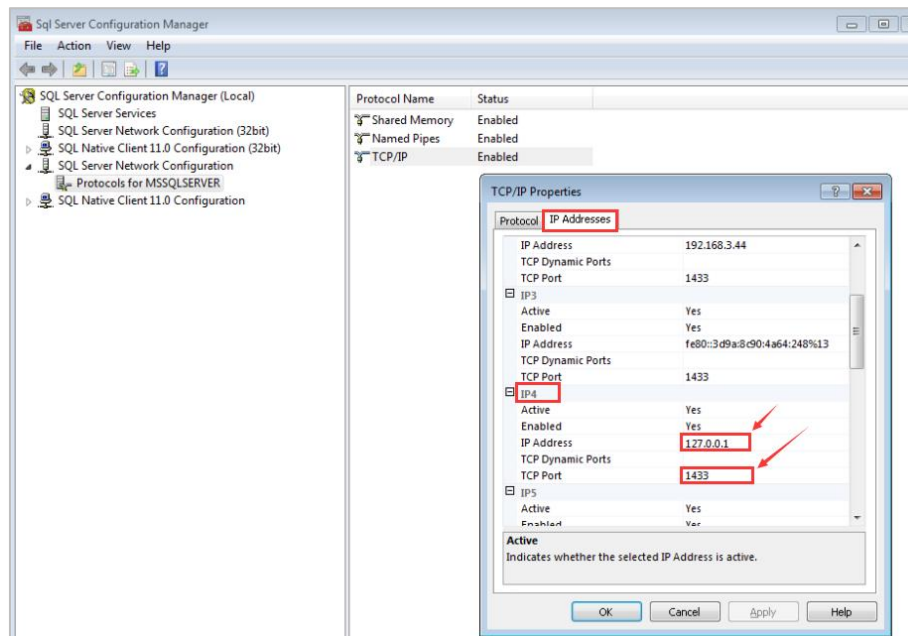
13. Double-click the **ZKBio WDMS Home Page** shortcut icon on the desktop. The system login interface will pop up as shown below:



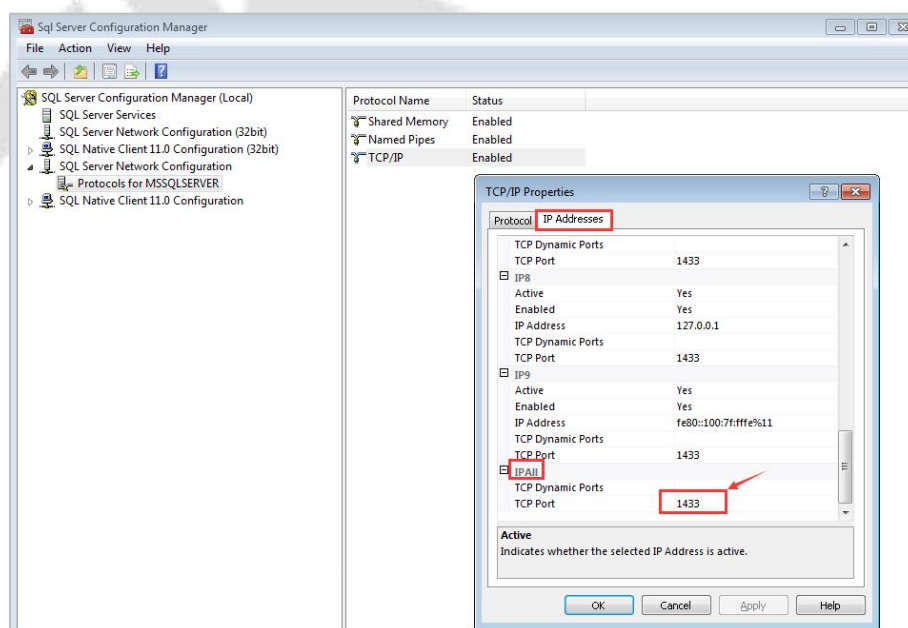
14. Initially, the user needs to create a Super System Administrator and log in to the software with the created Administrator account.

4 SQL Server Configuration with ZKBio WDMS

1. While installing the MS SQL Server, choose **Mixed Mode Authentication**.
2. Click [Start] > [SQL Server Configuration Manager] > [Protocols for MSSQLSERVER].
3. Right-click [TCP/IP] > [Enable TCP/IP].



4. Then select [IP Addresses] > [IPAll].
5. In IPAll configuration, set the value of TCP Dynamic Ports as 1433.



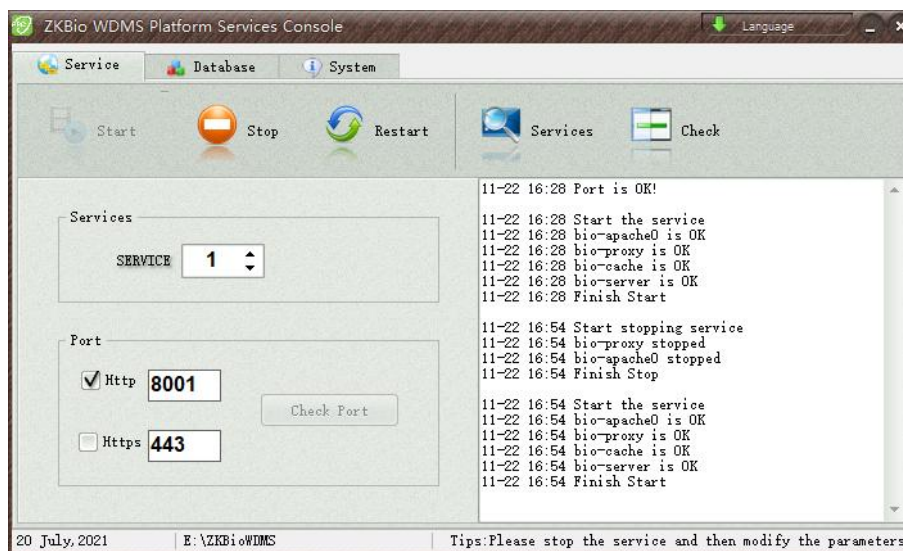
6. Click **OK** and then restart the SQL services.

5 ZKBio WDMS Configuration

Open the ZKBio WDMS Platform Services Console to configure.

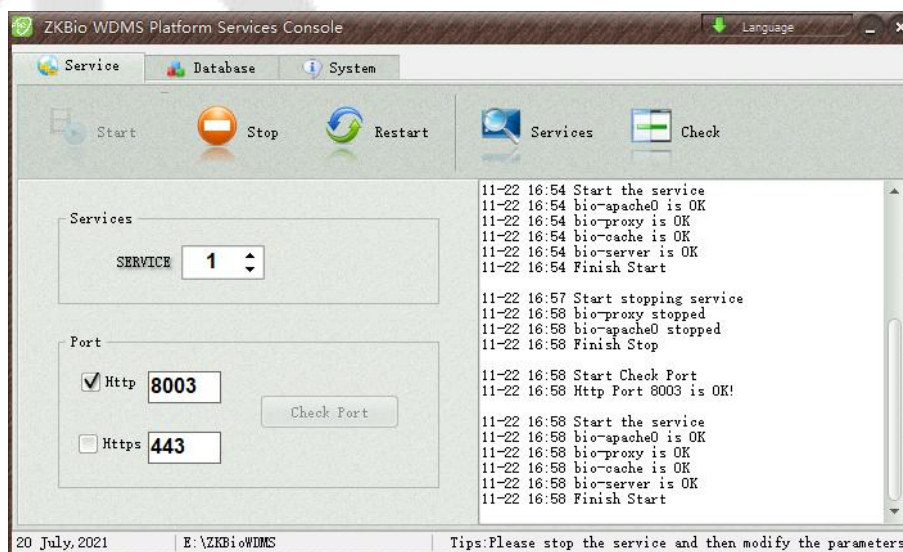
5.1 Server Port Configuration

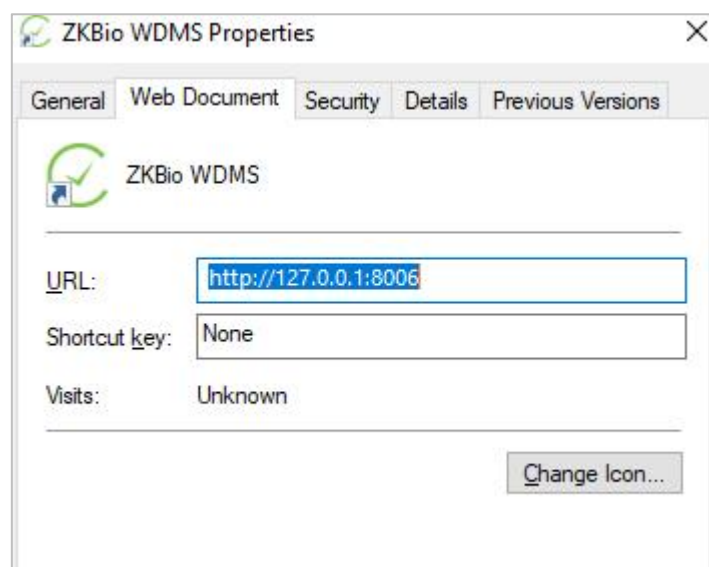
In the **Service** tab, click **Stop** to stop the services and then enter the port number. Click **Check** to see if the port number is available. Then click **Start** to start the services again.



Note:

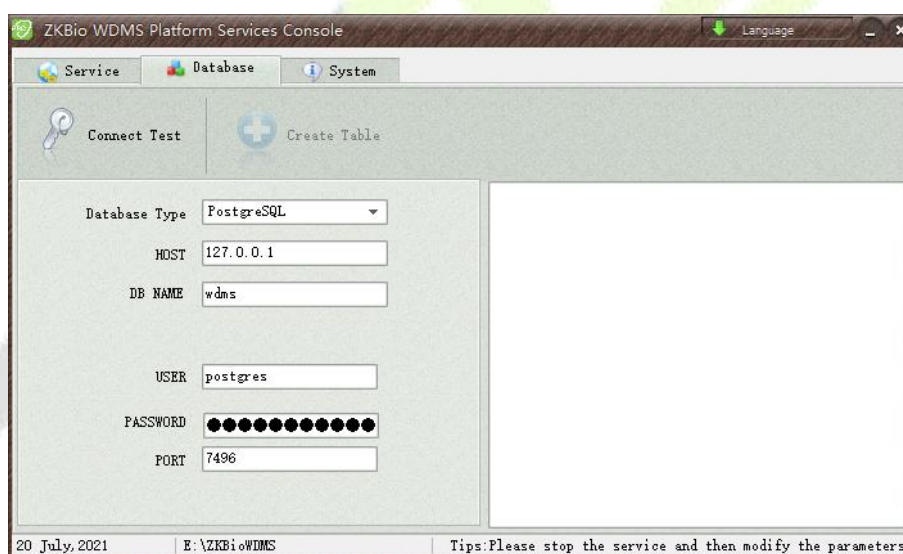
- "Port Unavailable" means that the port is occupied. Please set another port and retest.
- When the port number is modified, right-click the ZKBio WDMS icon  on the desktop and open the **Properties** to change its URL.



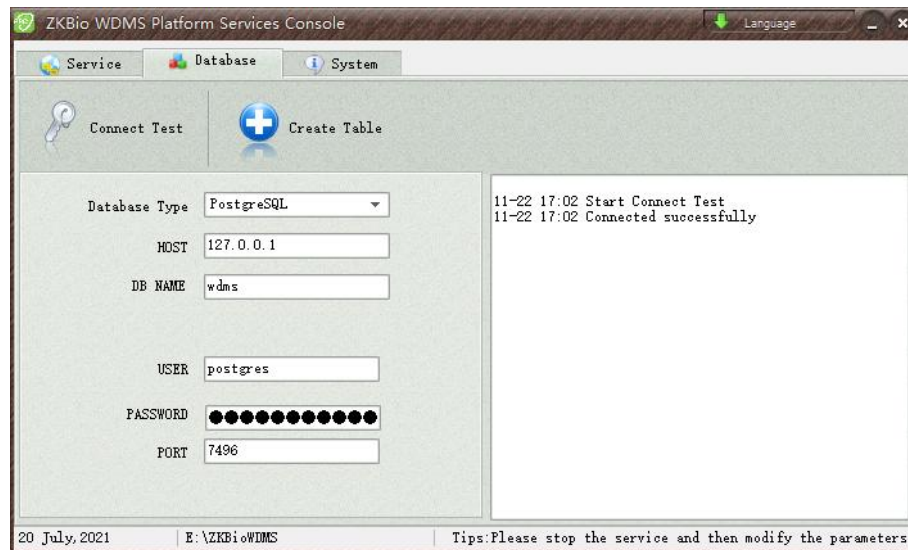


5.2 Database Configuration

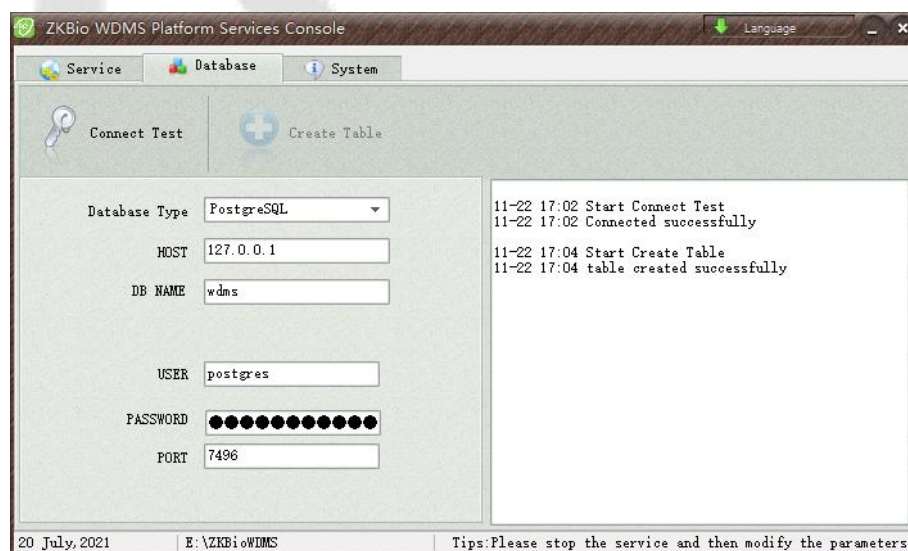
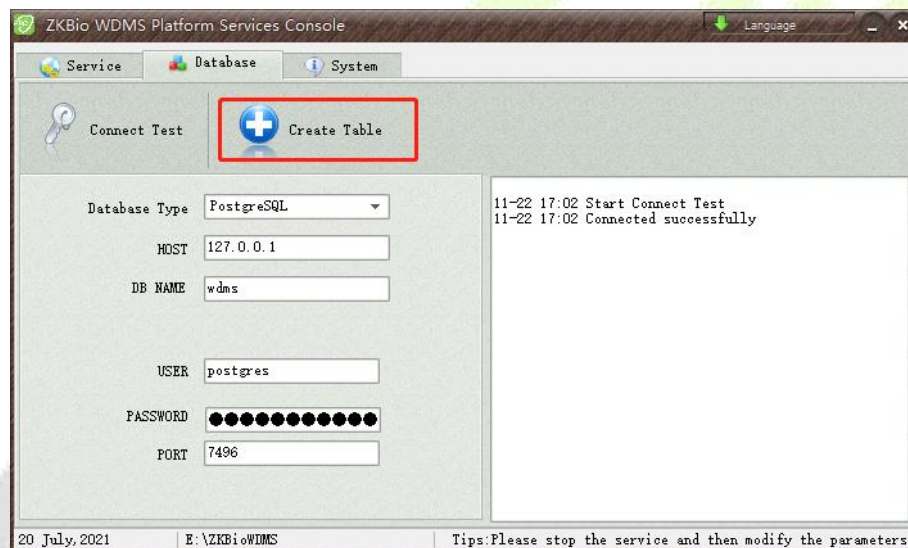
1. In the **Database** tab, the user will see the following image if the database was already configured during installation.



2. If the database was not configured during installation, the user needs to select the desired database and enter the correct parameters then click **Connect Test**. It will display "Connected successfully" if the connection was made successfully.



- Click **Create Table** and once it is successful, it will display "**Connected successfully**".



5.3 License Information

The License Information can be obtained from the **About** option on the ZKBio WDMS Home page as shown below:

 ×

Software Version
9.0.2 (Build:20240402.19251)

Authorized Information
Customer Code 129447
Device Count 1/50
Employee Count 10 /2000
Authorized Date 20240402
Expired Date 20250402
Authorized Company ZKTeco

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