

Installation Guide

ZKBio Time

Date: May 2022 Doc Version: 5.0 Software Version: 8.0.7 or above 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.eu

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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 procedure of ZKBio Time 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>.</ok>
[]	Window names, menu items, data table, and field names are inside square brackets. For example, pop up the [New User] window.
1	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.
P	The general information which helps in performing the operations faster.
*	The information which is significant.
۲	Care taken to avoid danger or mistakes.
	The statement or event that warns of something or that serves as a cautionary example.

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1 <u>Overview</u>

ZKBio Time is an integrated software platform that manages employee's time, attendance, and payroll processing. The software is designed with an intuitive interface that displays the required reports at a single instance. The user can define the architecture of the organization and assign employees to each department. The user can also configure the time and attendance devices for access control, remote monitoring.

2 Software Installation Setup

2.1 System Requirements

Feature	Specifications
Operating System	Windows 7/ 8/ 8.1/ 10 (64-bits) Windows Server 2008/ 2008R2/ 2012/ 2012R2/ 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 10 (default)
- MS SQL 2005/2008/2012/2014/2016/2017/2019
- MySQL 5.0/ 5.6/ 5.7
- Oracle 10g/11g/12c/19c

Browsers

- Chrome 33+
- Internet Explorer11+
- Firefox 27+

3 Installation Steps

Perform the following steps to install the ZKBio Time software.

1. Right-click the *setup.exe* file and select **Run as Administrator.**



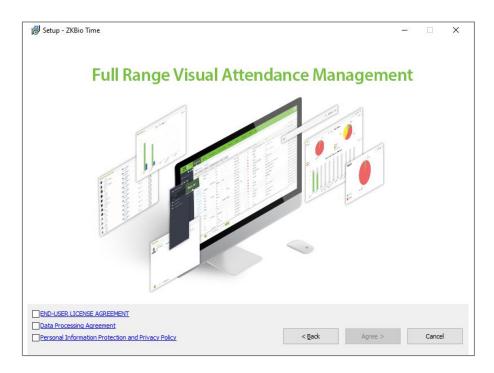
2. Select the setup language from the drop-down list.



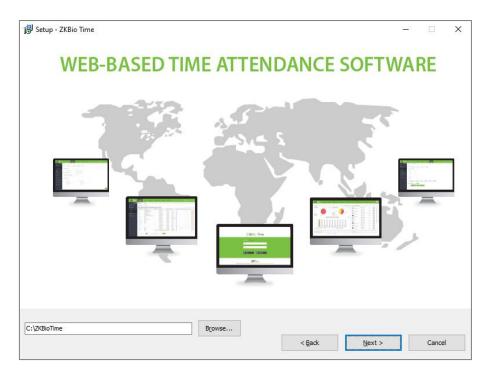
3. Click *Start* to start the installation process.

追 Setup - ZKBio Time	-		×
I ZKBio Time			
ZKBio Time is a web-based time attendance solution that comes with a mobile application that perfectly r employee's attendance	manage yo	ur	
	HR	5	
Start			

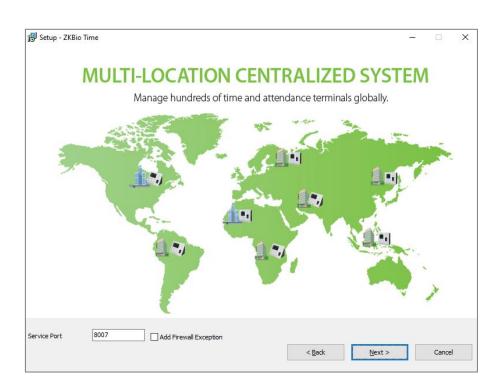
4. Carefully read the License Agreement and click *Agree* if you agree to the license terms and conditions and *Back* if not.



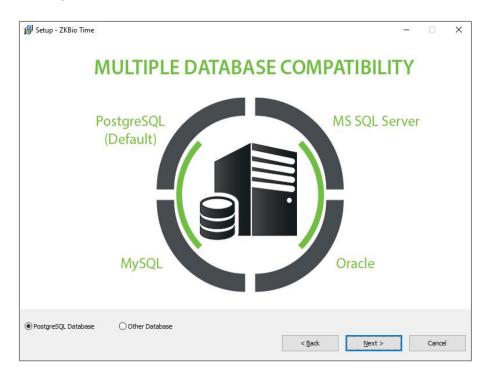
5. Select the installation path to install the software and click *Next*.



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



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 Time Platform Service Console.



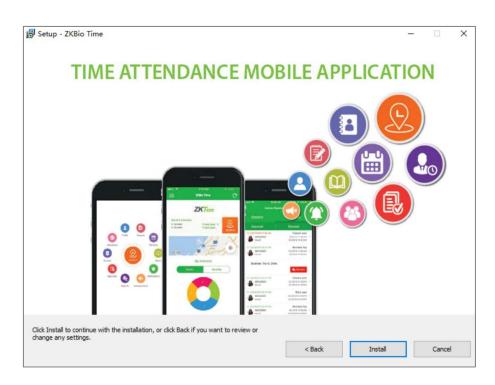
8. If the user chooses to configure the database in the installation process, click **Other Database** and select the type of database. Fill in the details accordingly.

Ν	Database Configuratic	SE COM	×	ГΥ
Ρ	 ○ No Database ● MS SQL Server ○ MySQL ○ Orade 	zkbiotime sa 127.0.0.1 1433 mended to use the default rivise, please make sure yo the leaked out. Post	encrypt database for	rver
OPostgreSQL Database	Other Database	< Back	Next >	Cancel

9. Set the *Database backup path*.

\iint Setup - ZKBio Time		-		×
MULTIPLE DAT	ABASE COMPATIBI	LITY		
PostgreSQL (Default) MySQL	MS SQL Oracle	Server		
Database badup path D:\ZXBIoTime\files\badup\ Browse	< Back Next		Cancel	

10. Click Install.



11. Complete the installation process by restarting the system.

Setup - Zł		Time and Advanced Dash	board
ZKT200 • 0.5 • 1940 For	Factory Deep Avenues (a) (b) (b) (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Tennel (Init Attains Kowdatts Epst 2015	2 <u>300</u> 01
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	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		الله (20 من المراجع) الله (20 من الله الله الله الله (20 من الله الله الله الله الله الله الله الل
-		ZKTeco	
Yes, restart	ing the ZKBio T the computer now tart the computer later	ime Setup Wizard	Finish

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

CLEID TIME Platform Service Console	ZKBio Time Uninstall ZKBio Time ZKBio Time ZKBio Time Server Controller
ZKBio Time Platform Service Console SERVICE Introduction	Language 🛁 🗙
Start 📿 Stop 🦉 Restart	Services E Check
Services SERVICE 1 🛟	05-12 11:17 Fort is 0K! 05-12 11:17 Start the service 05-12 11:17 bio-apache0 is 0K 05-12 11:17 bio-proxy is 0K 05-12 11:17 bio-cache is 0K 05-12 11:17 bio-server is 0K 05-12 11:17 Finish Start
HTTP Port Http 8007 Check Port Https 443	
20. Tuly, 2021 E:\ZKBioTime H	ints Please stop the service and then modify the parameters

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

		×	
Use	Create Supe		
Pas	Email		
Re	Password*	sword	
9	Confirm Password		
		Confirm	

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

4 SQL Server Configuration with ZKBio Time

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

SQL Server Configuration Manager (Local)	Protocol Name	Status			
	Shared Memory	Enabled			
SQL Server Network Configuration (32bit)	Named Pipes	Enabled			
SQL Native Client 11.0 Configuration (32bit)	TCP/IP	Enabled			
▲ <u>↓</u> SQL Server Network Configuration ↓ Protocols for MSSQLSERVER ◆ ♀ SQL Native Client 11.0 Configuration	g ICF/IF	Enabled			
		TCP/IP Properties	8		
T Ste Marrie Cilencia Configuration		Protocol IP Addresses			
		IP Address	192.168.3.44	~	
		TCP Dynamic Ports			
		TCP Port	1433		
		E IP3			
		Active	Yes		
		Enabled	Yes	=	
		IP Address	fe80::3d9a:8c90:4a64:248%13		
		TCP Dynamic Ports			
		TCP Port	1433		
		IP4			
		Active	Yes		
		Enabled	Yes		
		IP Address	127.0.0.1		
		TCP Dynamic Ports			
		TCP Port	1433		
		E IP5			
		Active	Yes		
		Enabled	Ver	*	
		Active Indicates whether the select OK		elp	

- Then select **IP Address** > **IPAII.**
- In IPAII configuration, set the value of TCP Dynamic Ports as 1433.

SQL Server Configuration Manager (Local)	Protocol Name	Status		
SQL Server Services SQL Server Network Configuration (32bit)	Shared Memory	Enabled Enabled		
 SQL Native Client 11.0 Configuration (32bit) SQL Server Network Configuration Protocols for MSSQLSERVER 	TCP/IP	Enabled		
SQL Native Client 11.0 Configuration		TCP/IP Properties Protocol IP Addresses		?
		TCP Dynamic Ports TCP Port	1433	*
		IP8 Active	Yes	
		Enabled IP Address TCP Dynamic Ports	Yes 127.0.0.1	
		TCP Port	1433	
		Active Enabled	Yes Yes	
		IP Address TCP Dynamic Ports TCP Port	fe80::100:7f:fffe%11	
		TCP Dynamic Ports	1435	E
		TCP Port	1433	-
		Active Indicates whether the sele	cted IP Address is active.	

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

5 ZKBio Time Configuration

Open the ZKBio Time Platform Service Console.

5.1 Server Port Configuration

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

🗟 Start 🤤 Stop 🛷 Restart	Service 🔚 Check
Services SERVICES 1 Restart Mttp 8090 Check Port Https 443	11-16 11:10 bio-cache is OK 11-16 11:10 bio-server is OK 11-16 11:10 bio-proxy is OK 11-16 11:10 bio-proxy is OK 11-16 11:45 Start stopping service 11-16 11:45 bio-apache0 stopped 11-16 11:45 Finish Stop

Note:

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

ZKBio Time URL: http://127.0.0.1:80 Shortcut key: None Visits: Unknown	ieneral Web	Document	Security	Details	Previous Versions
Shortcut key: None	С ІКВІ	o Time			
Shortcut key: None					
		-			
Visits: Unknown	URL:	http://12	27.0.0.1:80	1	
			27.0.0.1:80		

5.2 Database Configuration

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

SERVICE	DATABASE	
Connect Test	Create Table	
Database Type	SQL SERVER -	1
HOST	192. 168. 1. 47	
Database Name	biontime_db	
USER	54	
PASSWORD	•••••	
PORT	1433	

2. If you have not configured the database during installation, you need 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.

SERVICE 4	DATABASE U SYSTEM	
Connect Test	Create Table	
Database Type HOST Database Name	PostgreSQL * 127.0.0.1 biotime	11-16 13:55 Start Connect Test 11-16 13:55 Connected successfully
USER	postgres	
PASSWORD	********	
PORT	7496	

3. Click *Create Table* and once it is successful, it will display "Connected Successfully."

SERVICE	DATABASE SYSTEM	
Connect Test	Create Table	
Database Type	PostgreSQL +	11-16 13:55 Start Connect Test 11-16 13:55 Connected successfully
HOST	127.0.0.1	ſ
Database Name	biotime	
USER	postgres	
PASSWORD	*********	
PORT	7496	
	: \ZIBioTine 1 Service Console	Nints:Please stop the service and modify the para Language
Bio Time Platforn		
Bio Time Platform	n Service Console	
Bio Time Platform) Service Console DATABASE	Language *
Bio Time Platform	DATABASE Create Table	Lunguage * 11-16 13:55 Start Connect Test 11-16 13:55 Connected successfully
Bio Time Platform SERVICE	DATABASE ① SYSTEM	Language *
Bio Time Platform SERVICE & Connect Test Database Type HDST	DATABASE SYSTEM Creste Table PostgreSQL • 127.0.0.1	Language -
Bio Time Platform SERVICE & Connect Test Database Type HDST	DATABASE SYSTEM Creste Table PostgreSQL • 127.0.0.1	Language -
Bio Time Platform SERVICE 4 Connect Test Database Type HDST Database Name USER	DATABASE SYSTEM DATABASE SYSTEM Create Table PostgreSQL 127.0.0.1 biotime postgres	Language -
Bio Time Platform SERVICE Connect Test Database Type HDST Database Name	DATABASE SYSTEM DATABASE SYSTEM Cresto Table PostgreSQL * 127.0.0.1 biotime	Language -

5.3 License Information

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

⑦ ZKBio	Time	
Admin Login Self-Service	000	
Password Remember Me	Forget Password	
Y Login	Gerprint	
Capyright @2022 ZKTECO CO. L Data Procession Anteement Personal Inform	LTD All rights reserved.	



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