

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.com.

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

ZKTeco Headquarters

Address ZKTeco Industrial Park, No. 32, Industrial Road,

Tangxia Town, Dongguan, China.

Phone +86 769 - 82109991

Fax +86 755 - 89602394

For business related queries, please write to us at: sales@zkteco.com.

To know more about our global branches, visit <u>www.zkteco.com</u>.

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.
ÿ	The general information which helps in performing the operations faster.
*	The information which is significant.
٢	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	nanage 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.

	Database Configuratio	on		×	
Ρ	○ No Database	Database Name Username Password Host Address Port Number Notice: It is recom data security. Oth information will not	zkbiotime Sa 127.0.0.1 1433 nended to use the default revise, please make sure y be leaked out.	encrypt database for our database	erver
PostgreSQL Database	Other Database				

9. Set the *Database backup path*.

By Setup - Zi	(Bio Time	-	×
	MULTIPLE DATABASE COMPAT	BILITY	
	PostgreSQL (Default)	SQL Server	

10. Click Install.



11. Complete the installation process by restarting the system.

	Real	-Time and Advanced Das	shboard
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ompleti	ng the ZKBio 1	ZKT.cco	

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.

CUEIO TIME Platform Service Console	ZKBio Time Uninstall ZKBio Time ZKBio Time ZKBio Time Server Controller
ZKBio Time Platform Service Console	🐥 / Language 🖉 🗕 🗙
Start Stop & Restart	Services E Check
Services SERVICE 1 🛟	05-12 11:17 Port 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-server 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 Tulu 2021 F: \709. Time	The first star the source of the solify the source of

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

Admi Z		× 🗟 🚱	
Usen	Usemame*		
Pass	Email		
Ren	Password*	sword	
Ŷ	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		
SQL Server Services	Shared Memory	Enabled		
SQL Server Network Configuration (32bit)	C Named Pines	Enabled		
SQL Native Client 11.0 Configuration (32bit)	TCD/ID	Enabled		
SQL Server Network Configuration	g icr/ir	chooled		
Protocols for MSSQLSERVER		TCP/IP Properties	8	×
T Ste Marrie Chene 11.0 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	
		E IP4		
		Active	Yes	
		Enabled	Yes	
		IP Address	127.0.0.1	
		TCP Dynamic Ports		
		TCP Port	1433	
		E IPS		
		Active	Yes	
		Enabled	Var	*
		Active Indicates whether the select OK	ed IP Address is active.	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 Revealed for MSSOL SERVER	3 TCP/IP	Enabled		
SQL Native Client 11.0 Configuration		TCP/IP Properties Protocol IP Addresses		
		TCP Dynamic Ports	1422	*
			1455	
		Active	Yes	
		Enabled	Yes	
		IP Address	127.0.0.1	
		TCP Dynamic Ports		
		TCP Port	1433	
		IP9	(Henry)	
		Active	Tes	
		Enabled	Tes	
		TCR Dunamic Ports	1600.100.71.11167611	
		TCP Port	1433	
		FIDAU	1455	E
		TCP Dynamic Ports		
		TCP Port	1433	-
		Active	ted ID Address is active	
		indicates whether the select	acon Autoritis is delive.	

• 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	11-16 11:10 bio-cacha iz OK 11-16 11:10 bio-server iz OK 11-16 11:10 bio-proxy iz OK 11-16 11:10 bio-proxy iz OK 11-16 11:45 Start stopping service 11-16 11:45 Start stopped 11-16 11:45 bio-apache0 stopped 11-16 11:45 Finish Stop
Https 443	

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.

ieneral Web	Document	Security	Details	Previous Versions
📿 Ікві	o Time			
	Inthe Util	7 6 6 1.9		
URL:	None	27.0.0.1:80		
ononcour noy.				

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."

	SISIER	
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	
Database Name	biotime	
USER	postgres	
PASSWORD	*********	
PORT	7496	
y, 2021 D Bio Time Platform	: \ZXBioTine) Service Console	Mints:Please stop the service and modify the parameters of the service and modify the service and modify the parameters of the service and modify the service and s
y, 2021 D Bio Time Platform SERVICE 4	: \ZXBioTime I Service Console DATABASE	Mints:Please stop the service and modify the parameters of the service and modify the service and modify the parameters of the service and modify the service and se
y, 2021 D Bio Time Platform SERVICE Connect Test	Service Console	Kints:Please stop the service and modify the para
y, 2021 D Bio Time Platform SERVICE Connect Test Database Type	Service Console DATABASE O SYSTEM	Nints:Please stop the service and modify the para Lunguage * 11-16 13:55 Start Connect Test 11-16 13:55 Connected Successfully
y, 2021 D Bio Time Platform SERVICE Connect Test Database Type HOST	Nervice Console DATABASE SYSTEM Create Table PostgreSQL * 127.0.0.1	Mints:Flease stop the service and modify the para Language * 11-16 13:55 Start Connect Test 11-16 13:55 Connected successfully 11-16 13:57 Start Create Table
y, 2021 D Bio Time Platform SERVICE Connect Test Database Type HOST Database Name	: \ZKBioTime I Service Console DATABASE SYSTEM Create Table PostgreSQL • 127.0.0.1 biotime	Nints:Flease stop the service and modify the para Lunguage * 11-16 13:55 Start Connect Test 11-16 13:55 Connected successfully 11-16 13:57 Start Create Table 1 1-16 13:58 table created successfully
y, 2021 D Bio Time Platform SERVICE Connect Test Database Type HDST Database Name	XZEBioTime Service Console DATABASE SYSTEM Console Tenste Table PostgreSQL I27.0.0.1 biotime	Kints:Flease stop the service and modify the para Lunguage * 11-16 13:55 Start Connect Test 11-16 13:55 Connected successfully 11-16 13:58 table created successfully 11-16 13:58 table created successfully
y, 2021 D Bio Time Platform SERVICE Connect Test Database Type HDST Database Name USER	: \ZXBioTime I Service Console DATABASE SYSTEM Create Table PostgreSQL • 127.0.0.1 biotime postgres	Mints:Flease stop the service and modify the para Language * 11-16 13:55 Start Connect Test 11-16 13:55 Connected successfully 11-16 13:57 Start Create Table 11-16 13:58 table created successfully 11-16 13:58 table created successfully
y, 2021 D Bio Time Platform SERVICE Connect Test Database Type HOST Database Nane USER PASSWORD	XERBioTime Service Console DATABASE DATABASE PostgreSQL I27.0.0.1 biotime postgres	Kints:Flease stop the service and modify the para Lunguage * 11-16 13:55 Start Connect Test 11-16 13:55 Connected successfully 11-16 13:57 Start Create Table 11-16 13:58 table created successfully
y, 2021 D Bio Time Platform SERVICE A Connect Test Database Type HOST Database Name USER PASSWORD FORT	XZXBioTime Service Console DATABASE SYSTEM PostgreSQL I27.0.0.1 biotime postgres Mathematical Structure PostgreSQL Additional Structure PostgreSQL Additional Structure PostgreSQL Additional Structure PostgreS Additional Structure Postgre	Kints:Flease stop the service and modify the para Lunguage * 11-16 13:55 Start Connect Test 11-16 13:55 Start Create Successfully 11-16 13:59 Start Create Table 11-16 13:59 table created successfully 1

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. LTD All rights reserved.	



ZKTeco Industrial Park, No. 32, Industrial Road,

Tangxia Town, Dongguan, China.

Phone : +86 769 - 82109991

Fax : +86 755 - 89602394

www.zkteco.com



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