zzzPAT Installation Guide for version 4.3.62



Itamar Medical P/N - OM2198205 Rev. 3

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1. General Overview

The installation process will install a single Icon the desktop, which opens the zzzPAT analysis and reporting software.

Prior to installation, verify that you are in full system administrator mode with full privileges.

The zzzPAT software can be installed as a standalone or as a client/server configuration.

- "Standalone" intended for users that do not require sharing the database with other zzzPAT stations.
- "Client/Server" intended for network installations with multiple zzzPAT stations • accessing a central zzzPAT database over the network. If you wish to install this mode it is strongly advised to coordinate the installation with an Itamar Medical representative. Extra training is crucial for proper operation.
 - The "Server" mode is selected only once prior to installing the "Clients". 0 This installation should be done on the dedicated computer which will serve as the server for the zzzPAT clients.
 - The "Client" mode is selected **only after** installing the "Server" and is \circ repeated for all clients.

2. zzzPAT structure

The zzzPAT application uses an SQL Express instance for its internal database. In addition, it uses a folder (files directory) to keep the raw data files for each night test (15MB per study). During the installation process you will be asked to specify this database folder as well as the application files folder.

The following diagram indicates the modules and the default paths used. The files folder can be located on a remote drive. It is recommended that this drive is backed up regularly.



3. System Requirements

3.1 Hardware configuration

Pentium 4 3GHz CPU or higher CD-ROM drive 1 available USB port / Additional serial port is recommended XGA screen resolution (minimum 1024 x 768 pixels) Colors set to 16 bits or higher RAM 1GB or higher Free disk space: 10GB minimum / 60GB recommended disk space on database drive and at least 1.2GB on boot drive

3.2 Operating System

Windows XP with Service Pack 3 and above Windows Vista Home Premium Windows Vista Enterprise Windows Server 2003 Windows Server 2008 Windows 7 Windows 8

4. Step by step installation instructions

- Insert the zzzPAT installation CD into the computer's CD-ROM drive.
- If the CD-ROM drive is set to run automatically, the installation will begin automatically. If installation does not begin, refer to the section below.
- Follow the instructions on the screen.

If the installation does not start automatically:

- Double-click the My Computer icon on your desktop.
- Double-click the CD-ROM icon labeled zzzPAT.
- Double-click 'Setup.exe' .
- Follow the instructions on the screen.



🔲 🎍 RAS Connection Manager Administration Kit (CMAK)

ОK

Cancel



Click **Next**. The following dialog appears. Please make sure that no other applications (including antivirus software) are currently running.



Click Next. The License Agreement dialog appears.

ট zzzPAT - InstallShield Wizard		
License Agreement Please read the following license agreement carefully.	1	
LICENSE AGREEMENT	<u> </u>	
License To User From Itamar		
IMPORTANT - PLEASE READ THIS LICENSE AGREEMENT CAREFULLY BEFORE INSTALLING OR OTHERWISE USING THE LICENSED SOFTWARE (AS DEFINED BELOW) OR THE PRODUCT WITH WHICH YOU RECEIVED THIS LICENSE AGREEMENT. THIS LICENSE AGREEMENT APPLIES TO (a) ALL LICENSED SOFTWARE, (b) ALL LICENSED PRODUCTS (AS DEFINED BELOW), AND (c) ALL THIRD PARTY PRODUCTS INTO WHICH A LICENSED PRODUCT OR LICENSED		
⊙I accept the terms in the license agreement		
O I do not accept the terms in the license agreement		
Anscellohitetu	Cancel	

After reading the agreement, select **I accept the terms in the license agreement** and click **Next** to continue. The 'Customer Information' dialog box appears.

🛱 zzzPAT - InstallShield Wizard	×
Customer Information Please enter your information.	1
User Name: Qrganization: Itamar Medical Ltd. CD Key: 	
InstallShield	lext > Cancel

Enter user name, company name and the serial number exactly as it appears on the cover of the zzzPAT installation disk.

Click Next to continue. The 'Database Properties' dialog appears.

🛱 zzzPAT - InstallShield Wizard	
Database Properties Select database properties. If you se Client, you must ensure that a server	
⊙ Standard (Standalone)	When no sharing of the data is required between several PCs
O Advanced (Client-Server)	When multiple PCs need to access a central zzzPAT database over the network
The second se	
InstallShield	< Back Next > Cancel

4.1 Installations types

4.1.1 Standard - Standalone installation only

The zzzPAT Installer will assist in selecting a destination location for the zzzPAT database. If the necessary folder does not exist, zzzPAT Installer will create the folder.

🙀 ZZZPAT	- InstallShield Wizard	×
	e Destination xt to install to this folder, or click Change to install to a different folder.	
	Install zzzPAT database to: c:\itamar medical\zzzpat\database\ 	
there	folder will hold the data files (15MB per study). Please ensure that e is enough disk space for your future studies.	
InstallShield -	< <u>B</u> ack <u>N</u> ext > Cancel	

If you wish to change the default folder, select the Change button. The 'Choose Folder' dialog appears.

Choose Folder 🛛 🔀
Please choose the database folder DO NOT USE MAPPED DRIVES!!! c:\itamar medical\zzzpat\database
Directories:
OK Cancel

Make sure you are not selecting a mapped drive.

Select **OK** to Proceed.

The zzzPAT Installer will assist in selecting a destination location for the zzzPAT application files. If you wish to change the default folder, select the Change button.

😼 ZZZPAT	- InstallShield Wizard 🛛 🔀	
Application Folder Click Next to install to this folder, or click Change to install to a different folder.		
	Install zzzPAT to: C:\Program Files\Itamar medical\zzzPAT\	
This folder will hold all zzzPAT components (programs, utilities, help files, etc.)		
InstallShield –	< <u>Back</u> <u>Next</u> > Cancel	

The last dialog before standalone installations summarizes your selections. After reading this summary, press **Install** to begin installation.

🗟 zzzPAT - InstallShield Wizard
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. * You have chosen a 'Standalone' installation. * You have chosen to install the zzzPAT Program at 'C:\Program Files\Itamar medical\zzzPAT\! * You have selected to use the 'c:\itamar medical\zzzpat\database\'folder for your data files. * An SQL Express 2005 Instance (ZZZSQL) WILL BE INSTALLED on your computer.
InstallShield

At the end of the installation you should restart your computer.



4.1.2 Advanced - Server installation only

The following selection will result in Server installation

The Server side installation creates a shared MS-SQL database that is used by multiple zzzPAT stations. Accordingly, the shared database needs to be created **only once per site installation**.

ZZZPAT - InstallShield Wizard Database Properties Select database properties. If you sele Client, you must ensure that a server is	
O Standard (Standalone)	When no sharing of the data is required between several PCs
Advanced (Client-Server) Shared database - Server	When multiple PCs need to access a central zzzPAT database over the network Selected only once PRIOR to installing the Client side
Shared database - Client	Repeated for all clients Enables to work offline using a local database
InstallShield	< Back Next > Cancel

The zzzPAT Installer will assist in selecting a destination location for the zzzPAT database.

Define th	atabase Destination he location for the shared database. Click next to continue installation	, i
OF CIICK C	hange to change the folder.	
P	Install zzzPAT shared database to:	
0		Change
	1	
	,	
	,	
Add Fire	, ewall exceptions for the SQL server (otherwise you must add them lat	er)
and the second sec	ewall exceptions for the SQL server (otherwise you must add them lat a select a folder make sure you follow the steps:	er)
Before you	An example the second state of	er)
— Before you Create a S	ı select a folder make sure you follow the steps:	er)
— Before you Create a S Grant Ful.	ı select a folder make sure you follow the steps: Shared folder for the shared database (e.g. c:MyShare)	er)

Press the Change button to enter a UNC path for the database files folder. This folder will be accessed by all zzzPAT users so it needs to be shared on the network with full control permissions for the "Everyone" group.

If you do not want to use the "Everyone" group, please define a group of "zzzPAT" users and grant this group Full Access to this shared folder. In that case you will have to grant the **same permissions** to the following services: SQL Server (ZZZSQL) SQL Server VSS WRITER Itamar Medical Ltd.

The last dialog prior to beginning server installation summarizes your selections. After reading this summary, press **Install** to begin installation.

🙀 zzzPAT - InstallShield Wizard	
Ready to Install the Program The wizard is ready to begin installation.	
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Car exit the wizard. * You have chosen a 'Server' installation. * You have selected to use the \\client123456789\sleep_studies\'folder for your data files. * You have selected to add automatically the SQL Server Firewall exception * An SQL Express 2005 Instance (ZZZSQL) WILL BE INSTALLED on your computer.	
InstallShield	Iancel



4.1.3 Advanced - Client installation only

The following selection will result in Client installation

Prior to performing a Client side installation, a Shared Database installation must be previously performed on a dedicated computer.

ZzzPAT - InstallShield Wizard Database Properties Select database properties. If you select to Install the shared database First database properties. If you select to Install the shared database		
Client, you must ensure that a server is	s already installed.	
Standard (Standalone)	When no sharing of the data is required between several PCs	
• Advanced (Client-Server)	When multiple PCs need to access a central zzzPAT database over the network	
O Shared database - Server	Selected only once PRIOR to installing the Client side	
 Shared database - Client 	Repeated for all clients	
With Local database	Enables to work offline using a local database	
InstallShield		
	< Back Next > Cancel	

The Client installation may also have a local database and during zzzPAT login the user can select connecting to the Shared or Local database. For this option you should check the "With Local database" check box.

It is not recommended to install the local database option unless offline work is anticipated with the particular computer.

Press **Next** to define the Shared Database.

i zzzPAT - InstallShield Wizard
Shared Database Destination
Define the shared database server. Click Browse to see the available servers, or click next to continue the installation.
Database server that you are installing to:
InstallShield
< <u>Back</u> <u>N</u> ext > Cancel

You can also enter the <name of the computer with the SQL server>ZZZSQL , i.e. SQL_PCZZZSQL

The zzzPAT installer will identify and display the currently defined database servers. Click Browse to see the ZZZSQL servers. The shared MS-SQL database can be selected from the list.

🖟 zzzPAT - InstallShield Wizard 🛛 🛛 🗙
From the list of servers below, select the database server you would like to target.
VEENGSPO-INTDCO\ZZZSQL
InstallShield
OK Cancel

The zzzPAT Installer will assist in selecting a destination location for the zzzPAT application files. If you wish to change the default folder, select the Change button.

🛃 ZZZPAT	- InstallShield Wizard 🛛 🗙
Applicatio Click Nex	on Folder At to install to this folder, or click Change to install to a different folder.
	Install zzzPAT to: C:\Program Files\Itamar medical\zzzPAT\
This fo	older will hold all zzzPAT components (programs, utilities, help files, etc.)
InstallShield –	< <u>B</u> ack Next > Cancel

Press Next to proceed.

🛃 zzzPAT - InstallShield Wizard
Ready to Install the Program The wizard is ready to begin installation.
Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. * You have chosen a 'C'lient without local db'installation. * You have chosen to install the zzzPAT Program at 'C:\Program Files\Itamar medical\zzzPAT\' * You have chosen to be connected with the 'VEENGSPO-INTDCO\ZZZSQL' SQL server.
InstallShield

The last dialog prior to client installation summarizes your selections. After reading this summary, press **Install** to begin installation.

Note – for Win 8 only Win 8 – Installing Microsoft SQL Server 2005 Express (installs automatically during zzzPAT installation) During the installation you may get the following dialog . Press option "Don't show this message again" and select "Run the program without getting help".		
 Program Compatibility Assistant This program has compatibility issues Microsoft SQL Server 2005 Microsoft You can get help online and see more information about this program's compatibility issues. Get help online Run the program without getting help Don't show this message again 		

At the end of the installation the final dialog is displayed.



At the end of the installation you should restart your computer.

5. Login to zzzPAT

A login name and password are needed to operate this software.

The default administrator login information is:

Login name: 111

Login password: 111

To modify the administrator login name and password, and to add/modify additional users, refer to User Administration section in Operation Manual, which can be found in the installation CD.

zzzPAT - Login	
Login Type C <u>A</u> ctive Directory Service (ADSI) ZzzPAT Database	OK Cancel
Login 111 Password	
DB Connection: Shared	

6. Testing Installation

In order to verify successful installation do the following steps:

- Import a file from the Samples folder in the installation CD (In the zzzPAT application menu open Tools > Import > Import from Folder > Browse Select the Samples folder from the installation CD and then press Import)
- After import is completed, open a study and issue a report.

7. Upgrading from previous versions

Before upgrading from a previous zzzPAT version, the older version must be uninstalled. The zzzPAT installer will identify if the older version has not been removed and will prompt you to uninstall it.

The upgrade will be performed automatically the first time zzzPAT is launched following an upgrade of zzzPAT, only if the database folder remained the same as the previous installation.



Note

Uninstalling zzzPAT does not remove the zzzPAT database, however, it is strongly recommended to backup the database before upgrading.

Follow these steps in order to upgrade to a newer zzzPAT version:

- Backup the entire database of the existing zzzPAT installation (see Database Wizard, Backup section in Operation Manual which can be found in the installation CD).
- Uninstall the previous version using 'Add/Remove Programs' applet in Control Panel (see section 8 Uninstalling).
- Select 'Setup.exe' from the zzzPAT installation CD-ROM to start the zzzPAT installation program.

8. Uninstalling

You can uninstall zzzPAT using the Add/Remove Programs in the Control Panel. Additional options are available if you insert the installation disk to the CD drive. The following dialog then appears.



Use the "Remove zzzPAT" option if you wish to uninstall in order to re-install a newer version.

If you wish to remove the MS SQL server from your computer (and lose all studies in the database) you can select the "Remove Microsoft SQL Server" option prior to selecting the "Remove zzzPAT" option.



9. Troubleshooting

9.1 If Connection to database can not succeed and you have the Firewall as ON Ensure that the following exceptions are added to the Firewall:

- C:\Program Files\Microsoft SQL Server\90\Shared\sqlbrowser.exe
- C:\Program Files\Microsoft SQL Server\MSSQL.x\MSSQL\bin\sqlservr.exe (x may be 1,2, etc depending on the current number of instances, the last instance will be the zzzSQL instance)

9.2 If you did not want to use the "Everyone" group and defined a group of "zzzPAT Users" with Full Access to the shared folder but you encounter problems updating the database:

Ensure that you give the **same permissions** as granted to the "zzzPAT Users" group, to the following services:

SQL Server (ZZZSQL)

SQL Server VSS WRITER

For additional information or for assistance in the zzzPAT installation process, please contact Itamar Medical customer support, or your local dealer.

Itamar Medical Ltd.

Support numbers can be found in the Support section of Itamar Medical website, at <u>www.itamar-medical.com</u>