

# **SPIROTIGER®**



Viewer User Guide

**STSMART / Medical** 

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#### 1 Information about the Viewer User Guide

Read this Viewer User Guide before installing and using the Viewer.

The Viewer User Guide describes how to install the Viewer and the Bluetooth connection and how to use. Operation and maintenance of the SpiroTiger® device is described in the SpiroTiger® Hardware User Guide.

The Viewer is under continuous development. Illustrative and graphical representations in this Viewer User Guide may deviate from the equipment supplied.

#### 1.1 Storage

The Viewer User Guide is part of the Viewer and should be kept accessible for all users. Upon resale of the Viewer, the Viewer User Guide and all further applicable documents should be included.

#### 1.2 User

Notes on limitations on the number of users can be found among others in the SpiroTiger® Hardware User Guide (**Important Security Advice**). Users must be fully conversant with the contents of the Viewer User Guide.

#### 1.3 Further applicable documents

SpiroTiger® Hardware User Guide

#### 1.4 User information

This Viewer User Guide is also available in PDF format. Hyperlinks and bookmarks allow a fast and effective retrieval of links. The search function allows a fast retrieval of keywords.

#### 1.5 Used symbols



#### Warning!

Specifies a potentially dangerous situation. If not avoided, death or serious injury may result.



#### Caution!

Specifies a potentially dangerous situation. If not avoided, slight injury or damage to property may result.



#### Hints

Information and tips, important for the optimal utilisation of the system.



This information applies only to SpiroTiger® sTSmart.



This information applies only to SpiroTiger® Medical.



At this point, the options described below are available.

#### Conventions

Click... In this guide "click" always means click with the left mouse button. It will be explicitly stated when the right mouse button is

required.

Select... Where nothing else is stated instructions such as "select ..."

always refer to the Viewer.

Throughout this guide the term "Viewer" is used in place of "SpiroTiger® Viewer".

Example	Meaning
Program > Language	Menu names, functions, buttons and commands are printed in bold text. Paths are represented by ">"

## 2 Important Security Advice



- Before using the Viewer read this Software User Guide and the SpiroTiger® Hardware User Guide
- Use the Viewer after you have read and understood this Viewer User Guide.
- Observe and act upon the warnings and safety instructions.
- Avoid the risk situations that are marked with "WARN-ING".
- Follow the instructions shown on your PC screen.
- · Store this Viewer User Guide together with the program.
- The user accepts full responsibility for his/her training.
   idiag accepts no responsibility whatsoever for any damages that may arise from SpiroTiger® training.

Forward any question about the Viewer to the address on the last page of this User Guide.

## 3 Introduction

The Viewer supports your SpiroTiger® training. In addition to providing a comprehensive overview of all the instructions important for training, the Viewer also delivers support for determining the training parameters and in the administration of the logbook.

## 4 System Requirements

#### 4.1 Hardware requirements

For the installation and proper operation of the Viewer a Windows compatible PC is required with the following specifications:

- CPU min. 1 GHz (1.5 GHz recommended)
- RAM: 512 MB (MS-Vista™ 1024 MB recommended)
- CD-ROM drive (for software installation only)

  If not available the software can be installed from a USB stick or across a network

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- Display: min. XGA (1024x768)
- · Hard disc: At least 500 MB free space
- USB interface if Bluetooth is not available
- RS232 or USB port (in case your computer is not equipped with a RS232 port please use the provided RS232 / USB adapter)

#### 4.2 PC operating system requirements

Recommended Operating Systems for the Viewer:

- MS Vista™, Service Pack 1 or higher
- MS Windows XP<sup>™</sup>, Service Pack 2 or higher Ideal for support: Internet connection

The operating system in use must be functioning properly and be maintained. The newest service packs must be installed.

## 5 Overview of the Viewer Setup Procedure

This chapter describes the procedure for setting up the Viewer.



Complete the following instructions in the order they appear here. Once you have completed each instruction return to this overview. In the PDF click on the following hyperlink: Back to setup overview (page 8)

- 1. Install the Viewer Software (**Installation of the Viewer** chapter, page 10)
- 2. Start the Viewer (Initial Start of the Viewer chapter, page 12)
- 3. Select your desired language (page 37).



- 4. Start using the SpiroTiger® srSmart. See SpiroTiger® Hardware User Guide.
- 5. Set-up the Bluetooth connection (**Bluetooth Installation and Configuration** chapter, page 38).
- Determine the training parameters for this person (Determining Parameters section, page 18).
- 7. Enter the training parameters into your SpiroTiger® device (see **SpiroTiger® Hardware User Guide**).
- 8. Begin training with the SpiroTiger® device. See the **Training** section (page 20).



- Start using the SpiroTiger® Medical. See SpiroTiger® Medical Operating Manual.
- 5. Connect SpiroTiger® Medical and personal computer by means of the RS232 cable. If your PC does not have a RS232 port, please use the provided RS232/USB adapter. If the SpiroTiger® Medical cannot be detected, please see section **Trouble Shooting** page 36.
- Determine the training parameters for this person (**Determining Parameters** section, page 18).
- 7. Enter the training parameters into your SpiroTiger® Medical device (see SpiroTiger® Medical Operating Manual, page 10).
- 8. Begin training with the SpiroTiger® Medical device. See **SpiroTiger® Medical Operating Manual** (page 11).

## 6 Installing and Uninstalling the Viewer

#### 6.1 Preparations for installing the Viewer

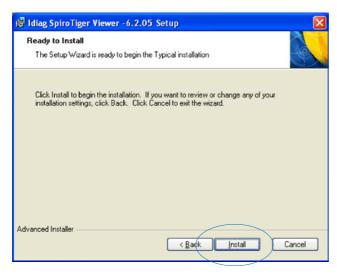
- · Close all other currently running applications.
- · Deactivate your virus scanner and firewall during installation.
- During the installation process you will need full administrator rights for this account. Rights for additional people can be added retrospectively.
- Before installing updates backup all personal data and measurements. See
   Data Backup on page 35).

Depending upon the operating system and service pack installed, your PC will be restarted several times during the installation process.

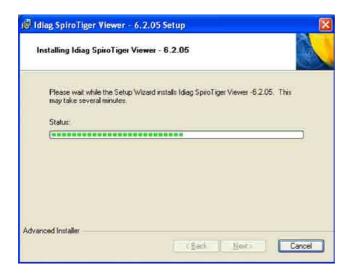
#### 6.2 Installation process

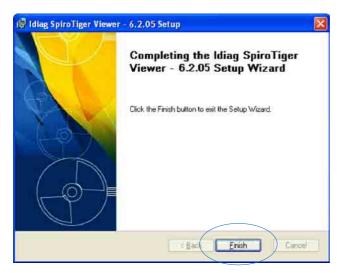
• Insert the Viewer CD in your CD-drive. The installation launches automatically.





· Select Install.





· Click Finish.

Back to setup overview (page 8)

## 6.3 Uninstalling

- 1. Open Control Panel (Windows Start menu (> Settings) > Control Panel).
- 2. Double click **Software** (Windows Vista: **Programs and Functions**). A list of all the installed programs will appear.
- 3. Click Idiag SpiroTiger Viewer-X.X.XX and then Remove.
- 4. Wait until the program has been completely removed.
- 5. Restart the computer once the uninstall is complete.

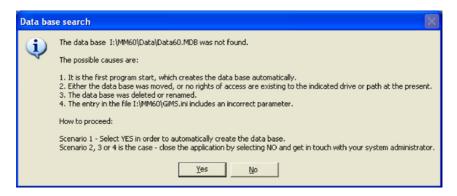
#### 7 Initial Start

Once the Viewer® has been successfully installed start the program via **Start** > **Program** > **idiag SpiroTiger** > **SpiroTiger Software** or double click on the SpiroTiger® icon \_\_\_\_\_ on your desktop.

#### 7.1 Procedure when the Viewer is opened for the first time

The Viewer uses a client database. It is created the first time the program is run.

The following dialog appears:

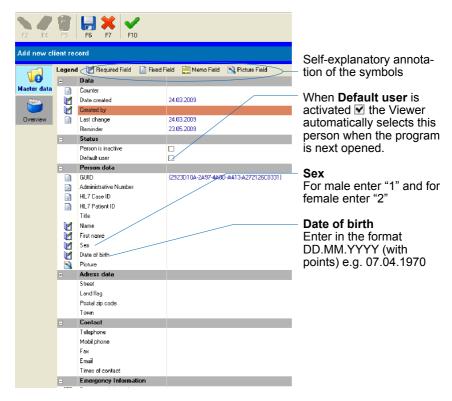


Click **Yes**. The program will begin to configure the database.

The window then opens for entering the client data (see page 13).

#### Enter the client's data.

The fields marked **M** are mandatory entries.



Window for entering the client data

When you have finished making entries press the Enter key on your PC. Save the entry (**F6**) and close the input window (**F10**).

Back to setup overview (page 8)

## 8 Opening and Closing the Viewer

#### 8.1 Opening the Viewer

Once the Viewer has been successfully installed start the program via **Start** > **Program** > **idiag SpiroTiger** > **SpiroTiger Software** or double click on the SpiroTiger® icon on your desktop.

After a brief delay the main window opens.



With a click on the blue header you can open or close a menu.

## 8.2 Closing the program

**Select Program > Terminate application**.



#### 9 Client Data



#### 9.1 Client selection / add client

An index card must be filled out for each person that trains using the Viewer.

The selected client is shown in the main window footer (page 14). You can activate another client via **Client > Select client**. Select **Close form (F10)** to close the window.

If an index card does not yet exist for the selected client click on Add new cli-



### Tip

The contents of the table can displayed in ascending or descending order by clicking on the column heading.

#### 9.2 Entering and changing client data

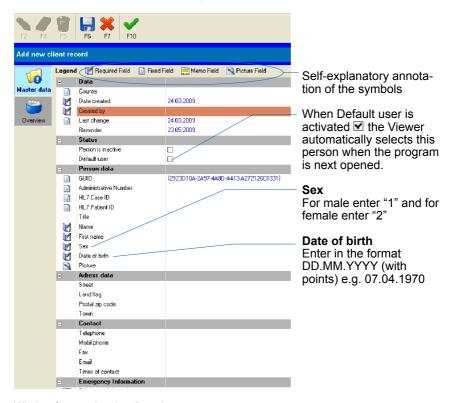
When the Viewer is opened for the first time the **Window for entering the client data** will open automatically.

In all other cases select Client > Select client and select a person. Then, via Client Master Data (F3), open the Window for entering the client data.

To change an existing entry click **F4** .

Enter the client's data.

The fields marked **M** are mandatory entries.

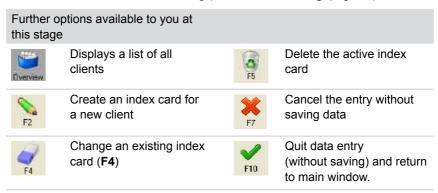


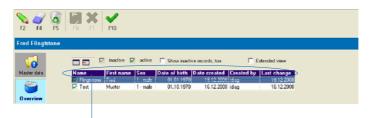
Window for entering the client data

When you have finished making entries press the Enter key on your PC. Save the entry (**F6**) and close the input window (**F10**).

#### **Next Steps**

- Open Parameter calculation (see page 18) and determine the training parameters.
- You can then commence with training (see **Online Training**, page 20)





The overview list view can be resorted by clicking on the column heading (e.g. click on **date of birth** to sort the list into date order). Clicking the column heading once again changes between ascending and descending sort order.

## 10 Determining Parameters

In order to enable ideal training support through your SpiroTiger® device and for a timely warning of risk situations, the device must be customised to the user's specific requirements.

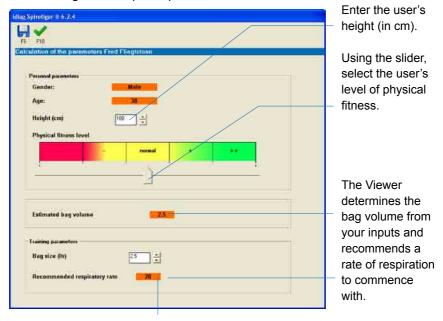
For every person, the following parameters must to be determined and entered into the device prior to training:

- · Bag size
- Respiratory rate

#### 10.1 Parameter calculation

Select SpiroTiger® > Parameters.

The following window opens up:



Should you select a different bag volume the Viewer will recommend a new respiratory rate.



Working with a wrong-sized bag or at an inappropriate respiratory rate may case hyper- or hypoventilation, dizziness or balance disorders.

#### Bag size

The program will recommend a certain bag size. Based on the recommended bag size, choose the next size up if in you're feeling in good form, or the next size smaller if you're in somewhat poorer form.

Enter the selected bag size into the SpiroTiger® device. See SpiroTiger® Hardware User Guide.

#### Respiratory rate

Enter the recommended respiratory rate into your SpiroTiger® device. For further details, please see your SpiroTiger® Hardware User Guide.

#### Saving and closing the parameter calculation

Save the provided parameter calculation (**F6**). Close the window (**F10**).

## 11 Online Training

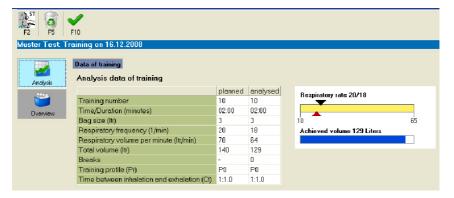
#### 11.1 Preparation of the Viewer



Select SpiroTiger® > Training.

#### Note

If a training session has already been saved for the selected person, the following window will appear:



#### 11.2



#### Commencing online training (stSMART)

Press the **Right** or **Left** key on the start menu (e.g. after turning on the device) until the ''|| Bluetooth symbol flashes.

Press the SpiroTiger® **Up key** (**on**) and then the **Enter** key ①. The device will now try to connect (the Bluetooth symbol and LED will flash).



In Viewer, click on the SpiroTiger® logo at top left (F2).



The Viewer then searches for the SpiroTiger<sup>®</sup>.

After establishing a successful connection the Bluetooth LED remains lit. If a connection cannot be established within 3 minutes or an existing Bluetooth connection is interrupted, the Bluetooth LED extinguishes.



The Bluetooth connection can be manually terminated at any time (on the start menu press the **Right** key until the Bluetooth symbol flashes, then select "off" by pressing the **Down** key and then confirm by pressing the **Enter** key.

If the message "Now commence training on the device", appears, press the **Enter** button on the SpiroTiger<sup>®</sup>.

Commence training and follow the instructions on your PC's screen.



If the SpiroTiger® device cannot be found please read the section **Bluetooth Installation and Configuration** (page 38) or read the chapter **Trouble Shooting** page 36.

## 11.3 Commencing online training (SpiroTiger® Medical)

Make sure the SpiroTiger® Medical device is switched on and the training parameters are entered correctly.



In Viewer, click on the SpiroTiger® logo at top left (**F2**).



The Viewer then searches for the SpiroTiger<sup>®</sup>.

Start the SpiroTiger® training by pressing **ENTER** as soon as the message "Please only start the training with the device when ALL parameters are present in the table." appears.

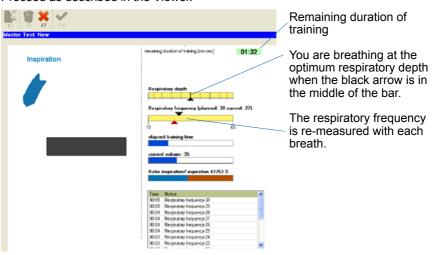
Commence training and follow the instructions on your PC's screen.



If the SpiroTiger® device cannot be found please read the section **Overview of the Viewer Setup Procedure** (page 8, point 4) or read the chapter **Trouble Shooting** page 36.

#### 11.4 In-training prompts and messages

Proceed as described in the Viewer.

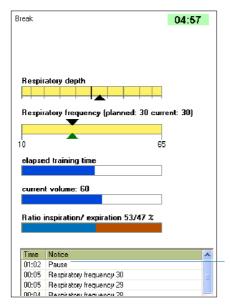


Symbol	Meaning
	Inspiration phase (Inspiration)
	Expiration phase (Expiration)
0	Valve position "Inspiration"
	Valve position "Expiration"
<b>≈</b>	Breathe faster

Symbol	Meaning
₩	Breathe slower
*	Breathe more shallower
*	Breathe more deeply
*	Ideal respiratory depth
<b>1</b>	Ideal respiratory depth
<b>**</b>	Breathe more shallower
<b>*</b>	Breathe more deeply

#### 11.5 Respiratory pause

If the valve on the SpiroTiger® remains inactive for longer than 10-15 seconds training will be paused. The SpiroTiger® displays a "P" for "Pause" and the Viewer displays "Pause". To continue training simply continue to breathe through the device.

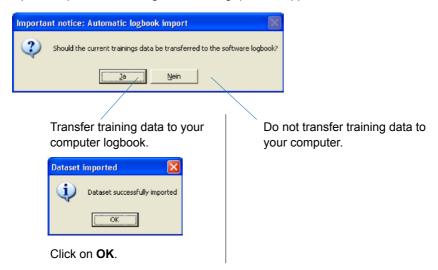


Remaining duration of the pause (from 05:00 to 00:00 minutes)

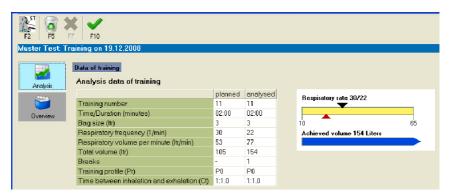
The pauses will be entered into the feedback table.

#### 11.6 Terminating training / saving data

Upon completion of training, the following question appears:

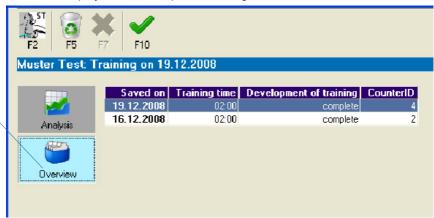


Click on **OK**. The following window opens up:



#### 11.7 Overview

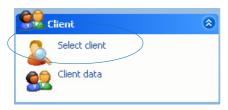
Overview displays all of the imported training data.



## 12 Viewer Logbook

The logbook data processed by your Viewer must to be imported from the SpiroTiger®.

#### 12.1 Opening and closing the Viewer logbook



If the required person is displayed at the lower edge of the main window select **SpiroTiger® > Logbook**.

Select another person via Client > Select client and then Close form (F10).

Close the logbook by clicking F10.

#### 12.2 Importing the logbook from the SpiroTiger® device



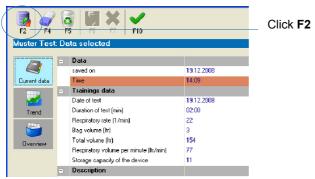
Press the **Right** or **Left** key on the start menu (e.g. after turning on the device) until the  $\| \mathbf{y} \|$  Bluetooth symbol flashes.

Press the SpiroTiger® **Up key** (**on**) and then the **Enter** key ①. The device will now try to connect (the Bluetooth symbol and LED will flash).



Make sure the SpiroTiger® Medical device is switched on and connected to the PC

Open the Viewer logbook. The following window opens up:





The Viewer now searches for the SpiroTiger<sup>®</sup>.



After establishing a successful connection the Bluetooth LED remains lit. If a connection cannot be established within 3 minutes or an existing Bluetooth connection is interrupted, the Bluetooth LED turns off.



The Bluetooth connection can be manually terminated at any time (on the start menu press the **Right** key until the Bluetooth symbol flashes, then select "off" by pressing the **Down** key and then confirm by pressing the **Enter** key.

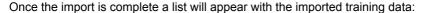
If the SpiroTiger® device cannot be found please read the section **Bluetooth Installation and Configuration** (page 38) or read the chapter **Trouble Shooting** page 36.

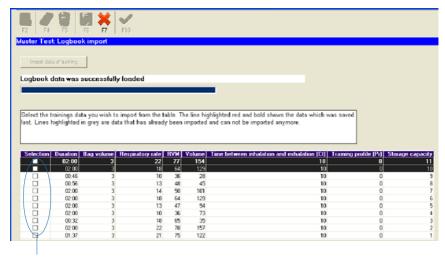




After establishing a successful connection, select the desired person (1-4) and click on **OK**.

If the SpiroTiger® device cannot be found please read the section **Overview of the Viewer Setup Procedure** (page 8, point 4) or read the chapter **Trouble Shooting** page 36.





Place a checkmark next to the training data you wish to transfer to the Viewer logbook. Training data highlighted in black has already been saved in the Viewer logbook.

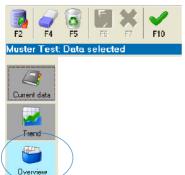


Click on **Import training** data to save the selected training data in the Viewer logbook.

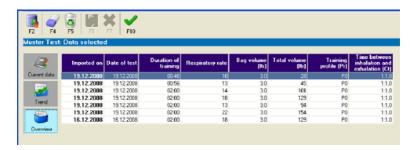
Click on **OK**. The latest training data is then displayed.

#### 12.3 Opening the logbook

Open the Viewer logbook (select the required person (**Client** > **Select client**) and click on **Logbook**).

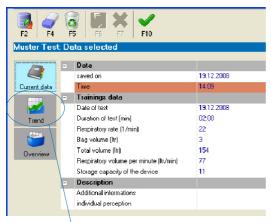


Click on **Overview**.

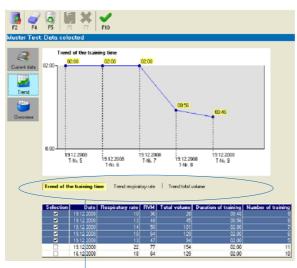


Select a training session from the list.

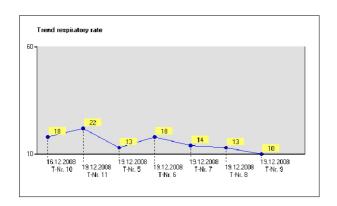
The program will then provide you with details on the selected training session:

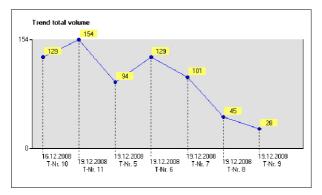


Click on **Trend** to display the training progress that has been achieved:



You may choose between the following display options: **Trend of the training time**, **Trend respiratory rate** and **Trend total volume**.





You can select or unselect training sessions with the help of the check boxes.

1	Selection	Date	Respiratory rate	RVM	Total volume	Duration of training	Number of training
	<u>~</u>	19.12.2008	10	36	28	00:46	9
	~	19.12.2008	13	48	45	00:56	8
	<b>~</b>	19.12.2008	14	50	101	02:00	7
	<b>~</b>	19.12.2008	18	64	129	02:00	6
	<b>~</b>	19.12.2008	13	47	94	02:00	5
	<b>✓</b> /	19.12.2008	22	77	154	02:00	11
	<u> </u>	16.12.2008	18	64	129	02:00	10

#### Other options available in the logbook:



Editing / ammending a training session When finished:

- · Save changes by hitting F6 or
- · Discard changes by hitting F7



Deletes the current training record



Saves the current changes



Cancels the current operation without saving first



Terminates the current operation without saving first and returns to the main menu.

## 13 Data Backup



#### Risk of losing data

- It is possible that training data and client data may become lost or damaged. idiag accepts no liability for lost or damaged data.
- · Back-up your data at regular intervals.

#### **Procedure**

- Open C:\ST60\Data. This directory contains the database **Data60.MDB**.
- Save the database **Data60.MDB** on an external storage medium.
- The data may also be located on a different disk drive if several operating systems are in use.



Append the name of the backed-up database with the current date (e.g. Data60\_Juni2008). This allows you to backup new databases to the external medium without overwriting the previous backup.

# 14 Trouble Shooting

Problem	Solution		
The Viewer logbook does not display any training data.	Training lasted for less than 30 seconds.  No training session has been saved under this training number.		
<b>Logbook</b> > <b>F2</b> , no training data appears	You have not yet used the device for training.		
The Viewer cannot establish a connection with the SpiroTiger®.	See chapter <b>Bluetooth Installation and Configuration</b> (page 38)		
Program cannot detect the sTSmart device	<ul> <li>Turn on sTSmart</li> <li>Check the Bluetooth connection between the PC and the STSmart</li> <li>Restart the Viewer</li> <li>Reset your computer</li> </ul>		
Program cannot detect the SpiroTiger® Medical device	<ul> <li>Turn on SpiroTiger® Medical</li> <li>Check connection PC (RS232/USB-Adapter) – SpiroTiger® Medical</li> <li>Use the provided RS232/USB-adapter</li> <li>Restart the Viewer</li> <li>Reset your computer</li> <li>Check if cables are plugged in properly</li> <li>Initialise the device: Select a person on the device, enter the training parameters, press ENTER, connect to Viewer by pressing F2.</li> </ul>		
Si Mill can hai air Publica bailgaraidh and murs beandal garlan.  Fall feir bre hidd in chuid gargardha anna Leann Fair magh ann ann ann ann ann ann ann ann ann an	Please contact the technical support of idiag (see last page).		

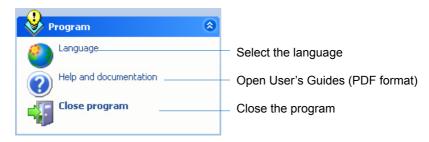


If the problems still continue or if you have any other questions contact your SpiroTiger® retailer or idiag directly.

## 15 Appendix

### 15.1 Program settings

In the **Program** menu the following functions are available



### 16 Bluetooth Installation and Configuration

#### 16.1 Bluetooth

Using Bluetooth, devices are connected wirelessly over short distances. This device uses this technology to transmit the measured values to the PC.

#### 16.2 Preparation

Please read these installation instructions before using the enclosed Bluetooth CD or Bluetooth adapter.



Please use the LEVEL ONE CD and the LEVEL ONE Bluetooth adapter only if the instructions tell you to do so. In many cases, neither the LEVEL ONE Bluetooth CD nor the LEVEL ONE Bluetooth adapter may be used.

# 16.3 Does your PC have integrated Bluetooth, or an external Bluetooth adapter?

Your computer's instruction manual or your retailer will be able to provide you with an answer to this question.



The Bluetooth activation switch (sliding switch, touchpad, or switch button) is often combined with the W-LAN switch.



If your PC is equipped with Bluetooth (integrated or Bluetooth adapter), activate Bluetooth and continue on page 40. If your PC is not equipped with Bluetooth, continue on page 39.

#### 16.4 Your PC is not equipped with Bluetooth

Plug the provided Bluetooth-Adapter into your computer's USB port. Wait a few seconds.



Please make sure that you use the same USB port every time.

The Bluetooth installation procedure depends on whether the PC performs the installation automatically.

#### PC performs installation automatically

If your PC automatically performs the installation of the USB Bluetooth adapter (process can be seen on the bottom right on the taskbar) and then shows a Bluetooth symbol in the taskbar, then continue with the chapter **Registering the SpiroTiger®** in the Windows Bluetooth Manager (page 41).

#### PC does not perform installation automatically

If the installation does not happen automatically, plug the enclosed Bluetooth adapter into a different USB port on your PC.

#### Note for experts

If automatic recognition is still not possible then please contact idiag support.

#### 16.5 Your PC is equipped with Bluetooth hardware and software



If your PC already has a Bluetooth adapter installed, you must not use the enclosed Bluetooth CD and Bluetooth adapter. In order to prevent damage to the Bluetooth network environment use the already installed Bluetooth adapter to connect the SpiroTiger®.

Activate the integrated Bluetooth device or plug the installed Bluetooth adapter into the USB port previously used. For further information see the PC or Bluetooth adapter instructions.

Open the Bluetooth Manager by double clicking on the Bluetooth symbol .

There are several locations where the Bluetooth symbol can be found:

- On the Windows desktop (first screen after the PC boots up)
- In the task bar (lower margin)
- In the Control Panel (Windows Start menu (> Settings) > Control Panel)
- In the Network Settings section (Windows Start menu (> Settings) > Control Panel > Network Settings)

After opening the Bluetooth Manager, one of the following windows opens up. Please follow the instructions provided in those windows.



Windows Manager Continue with the chapter Registering the SpiroTiger® in the Windows Bluetooth Manager (page 41).



Witcom Manager Continue with the chapter Registering the SpiroTiger® in the Witcom Bluetooth Manager (page 43).



**Toshiba Manager**Please uninstall the
Toshiba driver and use
the Windows Manager.

### 17 Registering the SpiroTiger® in the Windows **Bluetooth Manager**

Open the Bluetooth Manager by double clicking on the Bluetooth symbol 🕄.



Bluetooth Devices Turn the SpiroTiger® on (press the Devices Options COM Ports Hardware **Enter** © button until the device turns on and the Bluetooth LED flashes). Then click Add.... Add. Engpended

Select the option My device is set up and ready to be found. Then click on Next.



After a few seconds all active Bluetooth devices will be listed.

Select the listed SpiroTiger® (must be highlighted in blue) and then click on Next.



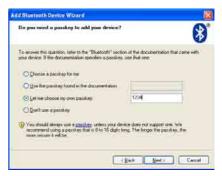


# Select Let me choose my own passkey,

enter a standard key of "1234", then click on **Next**.

Then click on Finish.

Close the Viewer and then reopen it.





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### 18 Registering the SpiroTiger® in the Witcom **Bluetooth Manager**

Open the Bluetooth Manager by double clicking on the Bluetooth symbol 🖇

Turn the SpiroTiger® on (press the Enter button until the device turns on and the Bluetooth LED flashes) and then click on Add a Bluetooth Device.



Once the search process has completed click on the displayed SpiroTiger®, this will then be highlighted in blue.

Then click on Next at the bottom of the window.



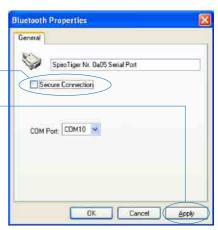
In the next window enter the standard PIN code "1234" and then click on Pair now.

Place a check mark next to Serial Port and click on Configure.





Deactivate **Secure Connection** and click on **Apply** at the bottom.





Click on Next.

Click on Finish.

Close the **Viewer** and then reopen it.



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### 19 Software Licence Agreement

In return for acquiring a licence to use the software ("software") and related documentation, the purchaser agrees to the following terms and conditions:

- 1. Licence: This Agreement grants you, the licencee, a licence to:
  - a. Install and use the software on one computer that is used for carrying out and analysing the measurements made with the SpiroTiger®.
  - b. Make a single machine-readable copy of the software solely for back-up purposes, provided you reproduce idiag's copyright and trademark notices.
- 2. Restrictions: The SpiroTiger® Viewer was designed for exclusive use with the SpiroTiger® device. You may not distribute copies of the Software to others or electronically transfer the software from one computer to another over a network. You may not use the software from multiple locations of a multi-user or networked system at any one time. The software contains trade secrets and in order to protect these, you may not de-compile, reverse engineer, disassemble, or otherwise convert the source code into a perceptible form. You may not modify, adapt, translate, rent, lease, loan, resell for profit, distribute over a network or create derivative works based upon the software or any part thereof.
- 3. Copyright: This licence does not represent the sale of the software nor any other copy thereof. idiag retains title and ownership of the software and documentation, including all intellectual property rights. No title to the intellectual property in the software is transferred to you.
- 4. Confidentiality: The licence is responsible for the confidentiality of the data gathered by the SpiroTiger® and for the security of the software itself, i.e. the licencee must take all reasonable precautions to prevent unauthorised access to the PC on which the software is installed and to all copies of the software or data generated by it.
- 5. Term: This licence is effective until January 1, 2049, unless terminated earlier. The purchaser may terminate the licence at any time by destroying the software, including the related documentation, together with all copies or modifications in any form.
  - idiag retains the right to terminate your licence immediately if you fail to comply with any term or condition of this Agreement. Upon any termination, including termination by the purchaser, the purchaser is legally bound to destroy the Software, including the related documentation, together with all copies or modifications in any form.
- 6. Limited Warranty: idiag warrants that the media on which the software is furnished will be free from defects in material or workmanship under normal

use and service for a period of thirty (30) days from the date of delivery to you. IDIAG DOES NOT AND CANNOT WARRANT THE PERFORMANCE OR RESULTS YOU MAY OBTAIN BY USING THE SOFTWARE OR DOCUMENTATION. EXCEPT FOR THE LIMITED WARRANTY ABOVE, IDIAG MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO NON-INFRINGEMENT OF THIRD PARTY RIGHTS, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some states/countries do not allow the exclusion of implied warranties or limitations on how long an implied warranty may last, so the above limitations may not apply to the purchaser. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or country to country.

- 7. Limitation of Liability: in no event will idiag be liable to the purchaser or any third party for any consequential damages, including any lost profits, lost savings or other incidental damages, even if idiag has been advised of the possibility of such damages. Some states/countries do not allow the exclusion or limitation of special, incidental, or consequential damages, so the above limitation or exclusion may not apply to the purchaser.
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  - a. The replacement of any defective media which is returned to idiag under the terms of the warranty,
  - b. If idiag or its distributor is unable to deliver a replacement media which is free of defects in materials or workmanship, the purchaser may terminate this Agreement by returning the software and the purchaser's money will be refunded.
- 9. General: The purchaser acknowledges that the purchaser has read this Agreement, understands it, and that by opening the package the purchaser agrees to be bound by its terms and conditions. The purchaser further agrees that it is the complete and exclusive statement of the agreement between idiag and the purchaser which supersedes any proposal or prior agreement, oral or written. The purchaser assumes full responsibility for the use of the software and agrees to use the software legally and responsibly.

#### **Limited Warranty**

idiag warrants that the SpiroTiger® Viewer conforms to the stated specifications for use in the stated operating environment. idiag neither warrants nor implies that use of the software will be free of interruptions or errors. idiag shall accept no responsibility for claims that may arise as a result of the following conditions:

- Improper modifications to the SpiroTiger® Viewer made by unauthorised third parties.
- 2. The combination, operation and use of the SpiroTiger® Viewer together with software programs, data or devices not originating from idiag.
- 3. Damage caused by programs not originating from idiag.
- 4. Data loss or damage.
- 5. Any claim for damages resulting from claims made by third parties.

#### Legal Provisions

idiag shall not be held liable for indications and diagnoses and the consequences thereof resulting from measurement data recorded using the SpiroTiger®. Without diagnostic assessment by a medical professional the data shall not be used as a basis for reaching decisions on treatment. The evaluation and interpretation of the SpiroTiger® measurement data is to the sole responsibility of the qualified person conducting the examination.

#### **Data protection**

Please note that all patient measurements are subject to data protection laws. Users must therefore ensure that all stored patient-specific data is not accessible to unauthorised third parties and that the data is adequately protected from misuse. idiag shall not be held liable for the misuse of measurement and client data that is recorded by the SpiroTiger® device or the SpiroTiger® Viewer.



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