

### Setting up FT3000 and version 3.0.1 on Windows 7

This is a step by step guide for setting up the FT3000 on a new Windows 7 or 8 PC

## PROBLEM:

Computer being updated from XP to WIN 7 or 8. New PC does not have a 9-pin serial port.

# **SOLUTION:**

**NOTICE:** The FitTester 3000, while an excellent instrument of almost indestructible design, is no longer being produced. Currently we manufacture the Quantifit which uses the same CNP technology but operates with more modern computer configurations.

OHD, Inc. of Pelham, Alabama will continue to service and calibrate the FitTester 3000 until it becomes impractical to do so. The challenge in owning this instrument is keeping up with current computer designs. At some point it is probable that this type of serial communication will become obsolete and will render the FT3000 useless.

But until then you can use the steps in this document to set up and run the instrument by means of the FitTrack software from your Windows-based computer. Please follow these steps before you call tech support. Most everything you need to setup and run the FT3000 is in this document. If, after you have followed all these steps you need assistance, please feel free to call us.

Successfully installing and running the FT 3000 is based on these assumptions. First the user must have certain admin rights on the computer to install the software and make changes to the system. If you do not have those privileges turn this document over to your IT dept. and they can proceed. Second, you should have a good working knowledge of computers and internet usage. Skills such as navigating the CONTROL PANEL, and the DEVICE MANAGER as well as moving, saving and renaming files is also necessary. It may also be necessary to search the internet and download drivers or files to assist in installing this system. If you do not have access to the internet from the PC you are installing this on, you will be at a disadvantage.

With that being said please continue and follow each step in the order presented here.



### Step1: Installing the software, verifying correct version.

The current software for the Ft3000 is FitTrack 3.0.1. If you have any other version or if you do not have the original installation disk, you need to download the current version from the OHD website. See appendix A for instructions on how to do that.

**FROM THE CD:** If you have the original installation disk for version 3.0.1 then simply insert the disk and run the setup.exe application. Follow the prompts and install the program. Install time is roughly 3-5 minutes.

**FROM THE DOWNLOAD SITE:** If you have downloaded the software according to appendix A then you will have a "zipped" folder on your desktop or DOWNLOAD FOLDER that looks like this:



Open this folder to reveal these files: Double click on the setup.exe file as indicated here. If you do not see the .*exe* it will be the file identified as an application.

Name	Type Co
鷆 program files	File folder
퉬 System32	File folder
퉬 Windows	File folder
🗊 0x0409.ini	Configuration settings
Autorun.inf	Setup Information
🔂 FitTrack 3000 V.3.0.1.msi	Windows Installer Package
🔁 FitTrack Manual 3.0.1.pdf	Adobe Acrobat Document
💷 instmsia.exe	Application
💷 instmsiw.exe	Application
📧 setup.exe	Application
🗊 Setup.ini	Configuration settings



### Step 2: Setting up Software for FT3000 and Windows

IMPORTANT! In order for the program to save data the following steps must be done on <u>Windows 7 or Windows 8</u>. Failure to follow these steps will result in lost data. These steps are <u>NOT</u> necessary on <u>Windows XP.</u>

**Option no 1:** (recommended) Run the **TROUBLESHOOT COMPATIBILITY** wizard. **Please see appendix B** for the step by step.

**Option no. 2 :** Share the OHD Folder with everyone. <u>See Appendix C</u> for instructions on sharing.

**Option no. 3** Change the **User Account Control** to "NEVER NOTIFY". Use this option only if the others do not work and you are using your own personal PC. Company owned computers are usually under tighter security settings and this may not be allowable in a corporate setting. **See appendix D for those instructions**.

After installation you will see a shortcut on your desktop that looks like this: Launch the program, enter the Operator Name and advance to the \*NEW COMPANY/LOCATION screen. You must enter a company name in order to proceed.



\*Please note that a password screen will present itself but there is no password until you create one. Just press OK and by-pass the password box.

FitTrack 3000 - v3.0.1 - OHD FitTester 3000	After you have entered a company, you will be						
System Setup Functions Reports Warranty Help	at a blank PERSONNEL INFORMATION screen.						
system setup runcions reports vulnumy rep	At the top of the screen there are several						
OHD FitTester 3000 - Personnel Information	menu items. Select SETUP and then FIT						
Personnel ID First Name M L	TESTERS. Enter the serial number of your unit						
	in the field provided. The other fields are						
	optional.						



### **Step 3: Establishing communication to the FT 3000.**

At this point you should have completed the following;

- 1. Installed the 3.0.1 software on the Windows 7/8 computer.
- 2. Confirmed the system is configured correctly by doing the following:
  - a. Enter a company name when prompted by the software.
  - b. Close the program and then re-open and confirm the \*company you created is still there.

\*If you are prompted each time you open the software to add a company then the computer is not configured correctly. Go back and try OPTION 2 or 3.

3. Entered the serial number of your unit in the software under SETUP/ FIT TESTERS

Now you are ready to connect the FT 3000 to the computer and establish a communication link. The cable which connects the FT 3000 to the computer is a NULL MODEM cable. It has a 25-pin connection on one end and a 9-pin connection on the other. Both ends are "female".

**Note!** Almost without exception new computers will <u>not</u> have a 9-pin serial connection. This cable will have to be adapted to a USB plug. These adapters are available locally at electronic stores such as Best Buy or Radio Shack. You may also purchase one from OHD or through numerous sources on the internet. Each of these adapters regardless of brand requires a driver to be loaded in order to work. Sometimes the driver comes on a small CD included in the package and other times it can be done by allowing the computer to install the driver automatically. The adapter <u>WILL NOT</u> work without a driver.

Pictured below is an example of a typical USB-to-Serial Adapter





Once the FT3000 is physically connected to the computer the communication can be established. If you are using a USB-to-Serial adapter the device will show up in the **DEVICE MANAGER** under the **PORTS** section.

You should note the com port for the device and select this in the software under the SETUP/COMMUNICATIONS menu.

#### Here's how to navigate to the DEVICE MANAGER.

From the START menu select **CONTROL PANEL** and then select **DEVICE MANAGER**. The control panel should be set to view Large or Small ICONS.

The screen should look something like this:

Your list under your PORTS section will look differently. But the number inside the parentheses will be the Com port you need to know. PCMCIA adapters
 Portable Devices
 Ports (COM & LPT)
 Communications Port (COM1)
 Processors
 SD host adapters
 Sound, video and game controllers
 System devices
 Universal Serial Bus controllers

On the FitTrack software you will need to confirm the com port in the SETUP/COMMUNICATIONS menu. This is accessible from the main screen by choosing the SETUP at the top of the screen then clicking on COMMUNICATIONS.

FitTrack 3000 - v3.0.1 - OHD FitTester 3000	😵 Communications Setup							
ystem Setup Functions Reports Warranty Help	Serial Port	<u>о</u> к						
	Com1	-	<u>C</u> ancel					
OHD FitTester 3000 - Personnel Information	Baud Rate	C 600	C 1200					
Personnel ID First Name M.I. Last Name	C 2400	C 4800	<b>€</b> 9600					
	C 19200	C 38400						
	Data Bits	Stop Bits	Parity © None					
	© 8	<b>C</b> 2	C Odd					
			C Even					

If there is nothing in the SERIAL PORT box or if the com port number is different, then drop down the menu and choose the correct com port.



To test the communications you can do any or all of the following

- 1. Restart the FitTrack software. During startup the FT3000 may give a slight bumping sound. This means your connection is good.
- 2. From the FitTrack software choose FUNCTIONS and then RETRIEVE CALIBRATION DATA. If communicating properly it will retrieve and store the data without error messages.
- 3. Also from the FUNCTION menu you can choose RESET PUMP. You should hear a slight motor noise from the FT 3000.

If none of these establish communications you may need to change the Com Port the FT3000 is using. Instructions for this are in Appendix H.

At this point your FT3000 is ready to use. You may choose to enter personnel information to prepare for testing or you may enter a mask inventory under the SETUP/RESPIRATORS menu.

Additional information can be found in the following appendixes for various situations and problems.

Appendix E	Moving data from one computer to another
Appendix F	"Unable to find the correct versionplease reinstall" error message
Appendix G	Backing up the database
Appendix H	Changing the com port for the FT 3000



## Appendix A

Downloading FitTrack Software

- 1. Navigate to <u>www.ohdusa.com</u>
- 2. Select the SERVICES TAB on the home page
- 3. For the FitTester 3000 select the file named "FitTrack for FitTester.zip"
- 4. You will be given the option of either running or saving the file. YOU SHOULD SELECT <u>SAVE</u>. If you want to save the file in a special place such as a thumb drive or a specific folder choose <u>"SAVE AS"</u> and select the place where you want it saved.
- 5. After download verify the file is where it should be and return back to the instructions on page 2.

## **Appendix B**

Setting up Windows to save data on FitTrack 3.0.1.

From the desktop right click on the FitTrack shortcut and select **TROUBLESHOOT COMPATIBILITY** 



The program will run a quick test that says <b>DETECTING ISSUES</b>	💽 🛤 Program Compatibility
Then it will display this screen: $\longrightarrow$	Select troubleshooting option
Select the second choice that says TROUBLESHOOT PROGRAM	<ul> <li>Try recommended settings Select this option to test run program using recommended compatibility settings</li> <li>Troubleshoot program Select this option to choose compatibility settings based on problems you notice</li> </ul>
	Cancel







From this screen select:	
YES, SAVE THESE SETTINGS FOR THIS PROGRAM	Troubleshooting has completed. Is the problem fixed?
	<ul> <li>Yes, save these settings for this program</li> </ul>
	➔ No, try again using different settings
	➔ No, report the problem to Microsoft and check online for a solution
	Cancel
The last screen looks like this.	🕞 🗟 Program Compatibility
Ignore the message in the box. It only shows what has	Troubleshooting has completed
	Issues found
You can close the Troubleshooter at this point.	
·····	
	Close the troubleshooter
	Explore additional options
	View detailed information
	Close



## **Appendix C**

Sharing the OHD Folder

#### Steps for changing sharing permissions on Windows 7

**Problem:** If this setting is not set correctly, FitTrack software may not save any data. This is especially critical when someone may have spent a day testing, and when the software is closed and reopened, no data has been saved.

**Solution:** The folder where FitTrack resides must be set to be shared with all users. This occurs only on some systems, but it would be better to follow these steps as a precaution.

**1.** On your computer, go to C:/Program Files and look for the OHD folder. (In some versions of Windows 7, you will find OHD in "Program Files (x86).")

- 2. Right-click on the OHD folder, and select Properties.
- 3. Select the Sharing tab, and select Advanced Sharing...
- 4. Check the box next to Share This Folder, and then choose Permissions
- 5. With *Everyone* selected, check the boxes allowing Full Control, then click Apply and OK.

## **Appendix D**

Changing the USER ACCOUNT CONTROL setting.

Note: This setting is best choice if using a privately owned computer. PCs that are a part
of a company configuration and under the supervision of an IT support group will not be
good candidates for this choice. Proceed with caution.

#### Steps for setting User Account Controls (UAC) on Windows 7

Problem: If this setting is not set correctly, FitTrack software may not save any data.

**Solution:** The User Account Control must be changed so that Windows 7 Security allows the Microsoft Access database to save data. This occurs only on some systems, but it would be better to follow these steps as a precaution.

- 1. Go to Control Panel
- 2. Change "View" to Large Icons
- 3. Double-Click on "User Accounts"
- 4. Select "Change User Account Control Settings"
- 5. Slide the control all the way to the bottom to "NEVER NOTIFY"
- 6. You must reboot the computer to save these settings.



## **Appendix E**

Moving data from one computer to another

If you had old data on the previous computer that you wish to move to your new Windows 7/8 computer you can follow these steps to restore records to the new computer.

### If both software versions are 3.0.1:

- ON the OLD computer, navigate to C:\PROGRAM FILES\OHD\3.0.1
- Find the file named **FITTRACK**.**MDB** and copy that file to either a flash drive or a place on the network that both computers share.
- Go to the new computer and navigate to the same place: C:\PROGRAM FILES\OHD\3.0.1
- Rename the existing database (FitTrack.mdb) to Empty.mdb
- Paste the other database you saved to your flash drive into the 3.0.1 directory on the new computer.
- Launch the program and check your data for accuracy

### If the older software was version 2.4.5:

- ON the OLD computer, navigate to C:\PROGRAM FILES\OHD\3.0.1
- Find the file named FITtRACK.MDB and copy that file to either a flash drive or a place on the network that both computers share.
- On the new computer, start the FitTrack software.
- From the SYSTEM/IMPORT menu select FROM PREVIOUS VERSION. The next prompt will ask you to back up your current database. That is not necessary so you can answer NO.
- Click on the little box with the three dots to browse your computer
- Select the saved FitTrack.mdb file from flash drive or where ever you put it.
- Follow the prompts. Check data for accuracy.



## **Appendix F**

"Unable to find the correct version ...please reinstall" error message

This message appears when booting up software:

 Go to: (C:) /Program Files/OHD/3.01 or 5.01 (depending on version). (You may find a second Program Files with a (x86) beside it. Choose that one if present.)

 In the folder you have open, look for a file named Temp. If you cannot find this file, this repair will <u>not</u> work. Go to Appendix G of this document for instructions on RESTORING a backup file.

3. If you have located the **TEMP** file, go back up the list and find the file **\*FitTrack.mdb**. Right-click on this file and Rename it so the file now reads <u>FitTrack2.mdb</u>.

🚟 FitTrack.exe	10/16/2008 8:18 AM	Application	2,028 KB
🕢 FitTrack.hlp	7/22/2004 4:45 PM	Help file	82 KB
PitTrack.mdb	1/13/2014 3:47 PM	Microsoft Access	31,816 KB

4. Go back to the file named **Temp.** Right-click on this file and select **Rename**. Rename this file **FitTrack**. File names are not case sensitive but this file must be spelled exactly this way.

5. Double click on the Application icon and confirm the data should is restored.

1	FitTrack.exe											:	10/16/2008 8:18 AM							Application							2,028 KB					

\*if you cannot see the .mdb after the filename *fittrack*, just find the file with the icon of the "key" or described as an mdb file.

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#### Appendix G: Restoring data from a FitTrack backup file

These instructions are based on the assumption that operators of the software have actually run the backup procedure featured in the software. This process does not happen automatically. It must be performed by the operator at reasonable intervals.

Navigate to C:\PROGRAM FILES\OHD\3.0.1 (Some computers may have a **Program Files (x86)** folder. Choose this folder instead.)

You should see a file named **FitTrack.bak** It is possible that it has another name but the extension will still be .bak

After verifying the presence of a .bak file you can restore the damaged database by renaming the .bak file to FITTRACK.MDB. You may get a warning message that the file will become unstable if you change the extension. Ignore this and click yes..

If you do not have a .**bak** file or a **TEMP.MDB** there is nothing else that can be done to recover the corrupted database. All data is lost. You must start over by re-installing the program.

To avoid the heartbreak of lost data you should run the BACKUP procedure at the completion of every testing session. Here are the instructions how to do that:

- 1. With the FitTrack software opened and the screen displaying the **PERSONNEL INFORMATION**, go to the top menu and select **SYSTEM**. Then select **DATABASE UTILITIES** and then **BACKUP**.
- 2. Follow the prompts on the screen and you are done. This process takes less that 60 seconds on average.



#### Appendix H

Changing the com port on the FT 3000.

It is highly recommended that the FT 3000 operate on com ports between 1 and 5. If you are having problems communicating the unit to the PC the solution may be as simple as changing to another com port. This is done by accessing the Device Manager on your computer and following the sequence outlined below.

On Windows 7

From your **START** menu at the bottom left of your desktop choose **CONTROL PANEL** It should look something like this: Be sure to select **VIEW BY: SMALL ICONS** 

			9 9	
Control Panel + A	II Control Panel Items 🕨			- 49 Search Control 🔎
Adjust your computer's setti	ngs			View by: Small icons 👻
🏲 Action Center	administrative Tools	🛃 AutoPlay	🐌 Backup and Restore	😅 Broadcom Control Suite 3
💶 Color Management	Credential Manager	骨 Date and Time	🌏 Default Programs	🐵 Dell ControlPoint
📑 Desktop Gadgets	🚔 Device Manager	na Devices and Printers	🛄 Display	Ease of Access Center
📕 Flash Player	Folder Options	💦 Fonts	📇 Getting Started	🤞 HomeGroup
JDT Audio Control Panel	🚨 Indexing Options	🖉 Intel(R) GMA Driver for Mobile	😥 Internet Options	الله Java
📖 Keyboard	Location and Other Sensors	🧶 Mail		騹 Network and Sharing Center
🔜 Notification Area Icons	Performance Information and Tools	Personalization	Im Phone and Modem	Power Options
Programs and Features	🖗 Recovery	🔗 Region and Language	🐻 RemoteApp and Desktop Connections	🛋 Sound
Speech Recognition	🔞 Sync Center	🕎 System	🔔 Taskbar and Start Menu	📧 Troubleshooting
🍇 User Accounts	🥰 Windows Anytime Upgrade	📑 Windows CardSpace	iiii Windows Defender	🔗 Windows Firewall
Windows Mobility Center	arrow Windows Update			

Items are listed in alphabetical order. Find and select **DEVICE MANAGER**. You should then see a screen with a list of all your devices. Look under the heading that says **PORTS**. You can expand that list by clicking the triangle on the left of the heading.



Your list will look different based on what is installed on your computer, but if you are using a USB-to-Serial adapter it will be listed here.



Double-click on the adapter entry under	Belkin Serial On USB Port (COM4) Properties
PORTS and you should see this screen:	General Port Settings Driver Details
From this screen click on the PORT SETTINGS	Belkin Serial On USB Port (COM4)
tab	Device type: Ports (COM & LPT) Manufacturer: Belkin Components Location: Port_#0002.Hub_#0006 Device status
	OK Cancel

That will bring up a screen that has a button at the bottom labeled **ADVANCED**.



Click on the ADVANCED button to bring up the final screen. From there open the **COM PORT** window. From here you can change the com port to whatever you wish.

<u>We recommend com 2</u>. Select OK and close all windows and restart the FitTrack software. Be sure to check the communications setting under the SETUP MENU in FitTrack to match the com port you changed in the Device Mangaer.

Vise FIFO buffers (requires Select lower settings to con	16550 compatible UART) ect connection problems					OK Cancel
Select higher settings for fa	ster performance.					Defection
Receive Buffer: Low (1)	1	(		High (14)	(14)	Deraults
Transmit Buffer: Low (1)	1	- <u>1</u>	Ģ	High (16)	(16)	
COM Port Number: COM4	•					