

The Shockspot System

Instruction Manual Version 1.12G

www.shockspot.net



INSTRUCTION MANUAL

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Disclaimer

Users must read and agree to the following terms before using the Shockspot System. The user of this software and Shockspot system understand this system is a novelty only device for visual simulation only. The Shockspot device produces a cyclical and vibrating motion that could be harmful if used improperly. The manufacturers and distributors of the Shockspot system shall not be held liable for any damages to property or body, directly or indirectly, resulting from the use of the Shockspot system or software. The user assumes full responsibility for the use of this system. Users must at least 18 years of age. Users are made aware that the Shockspot system is comprised of metal framing and hinges which can cause a crushing action if the system is not setup or handled properly. The user agrees to become completely familiar with the system before its use. The user will not handle or use the system in a way to endanger person or property. The user agrees not to use or operate this system within six feet of people or pets that could be harmed by, or come in contact with the device. The Shockspot system utilizes 120 VAC for power and must only be used in dry locations. If the user is unsure of any of the terms in this agreement, he will not use the system. The user will not use or purchase this system in any region if for any reason this system is not legal. If you do not agree with these terms, do not use the Shockspot System.

1.0 Introduction

This manual details the assembly, software installation and control of the Shockspot System, the most advanced, robotic pleasure system on the market. The Shockspot offers complete control of the stroke length, speed, smoothness and pattern at the touch of a button. The system instantly responds to your commands through the Touch and Feel software installed on your PC, laptop computer or palm button. You have the option of selecting preprogrammed routines or creating your own using our intuitive point and click programming page. Store and share your programs with other Shockspot users over the Internet. Save your programs with easy to remember names of your choice and recall in seconds. Flexibility, compactness and quality define the Shockspot. When stored, this pleasure system fits into a case not much larger than a standard briefcase. When expanded, the Shockspot will accommodate any desired position from lying, kneeling, seated to a full standing position in less than fifteen seconds. Designed from super-rigid materials, the system is light enough to be carried effortlessly yet solid enough to remain in your desired position when in use. Users must read the entire manual before use.

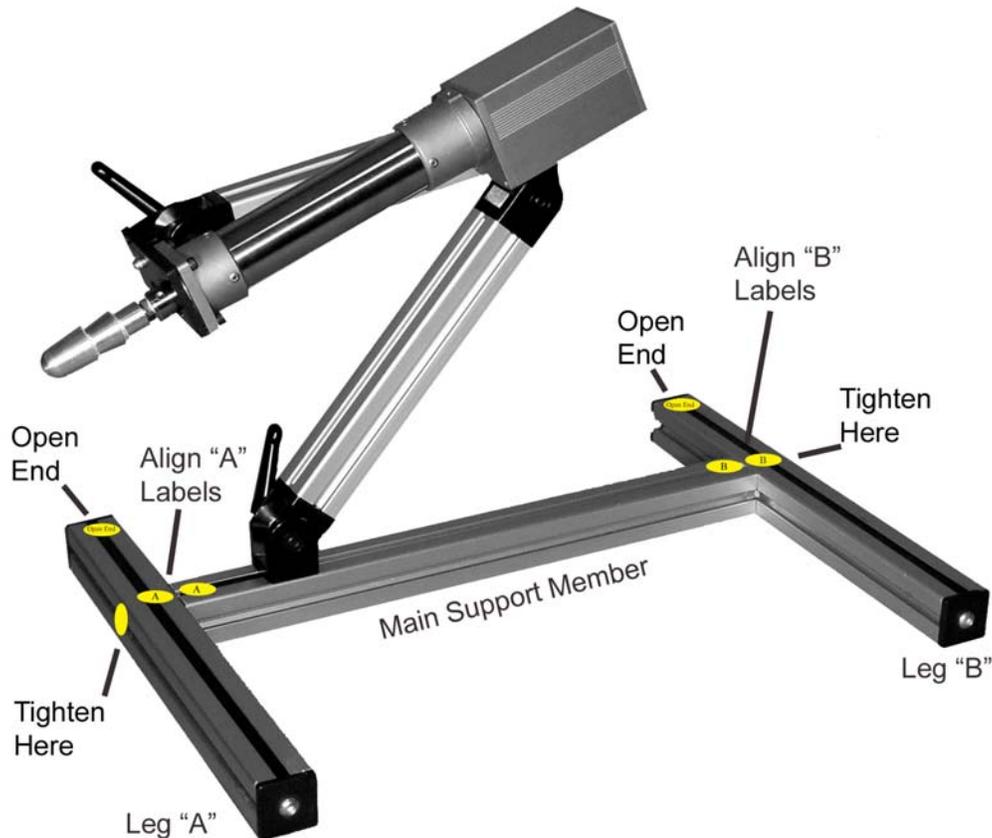
2.0 What's in the box

- Shockspot Machine
- Power Supply and Cable
- Touch and Feel Software CD
- Remote Palm Switch
- USB Cable
- Quick Disconnect Attachment
- T-Handle Wrench for Assembly
- Installation Guide

3.0 Shockspot Assembly

The Shockspot machine is shipped with the legs detached for portability and to reduce the package size. The system was designed to allow the legs to be attached and removed in less than a minute. There are three main components to the machine frame, two legs and the main support member. There are two legs with removable labels, one marked "A", the other marked "B". The legs also have labels marked "Open End" and "Tighten Here". The main support member has labels marked "A" on one end and "B" on the other. The letters on each end of the main support column indicate which leg should be attached to each end. To assemble the machine, place the main support member on a table or floor with the labels marked "A" and "B" facing upward.

On each end of the main support member there is a quick fastening clip and a screw. DO NOT REMOVE THE SCREW! (the legs are designed to slide onto the fastening clip). Locate the leg marked with the “A” label and locate the end of the leg marked “Open End”. The end of the leg marked “Open End” has an opening which will slide over the fastening clip on the main support member.



To mount the legs:

1. Hold the leg marked “A” in one hand with the rubber feet facing downward.
2. Locate the opening in the end of the leg marked “open End”.
3. Slide the end of the leg marked “Open End” onto the fastening clip on the end of the main support member marked “A”. If the leg does not slide onto the fastening clip, slightly loosen the screw holding the fastening clip to the end of the main support member.
4. Align the label “A” on the leg with the label “A” on the main support member. Ensure the hole on the leg marked “Tighten Here” is aligned with the screw (on the fastening clip) on the end of the main support member. Insert the t-handled wrench through the hole labeled “Tighten Here” and firmly tighten the leg to the main support member.
5. Repeat the above steps for the leg marked “B”.

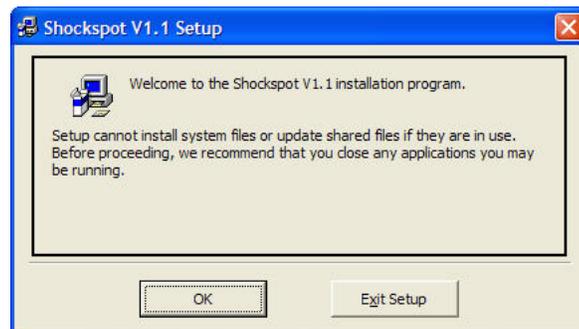
6. Ensure the Shockspot is squarely seated on the floor or table. All four feet should be in contact with the surface. If the legs need adjustment, slightly loosen the legs, push to the leg against the surface and tighten the legs. The design allows the legs to be adjusted slightly for uneven surfaces.
7. To adjust the position of the cylinder, place the Shockspot on a firm surface and ensure all four rubber feet are in contact with the surface. **Important!! Never allow your hands or any other body part to move between any two frame components. In the event the hinge is not tight or the frame component is not supported properly, fingers, hands or body parts could get pinched between the frame members.** Loosen the hinge handle while holding the segment you which to adjust. Move the segment into the desired position and firmly tighten the hinge handle. Apply pressure to the segment to ensure it is rigidly holding position. Never use a tool or any other device to tighten the hinge. Never disassemble the hinge as holding performance may be affected. Adjust one segment at a time. The Shockspot can be adjusted to simulate any desired position.
8. Labels can be removed after installation.

4.0 Software Installation

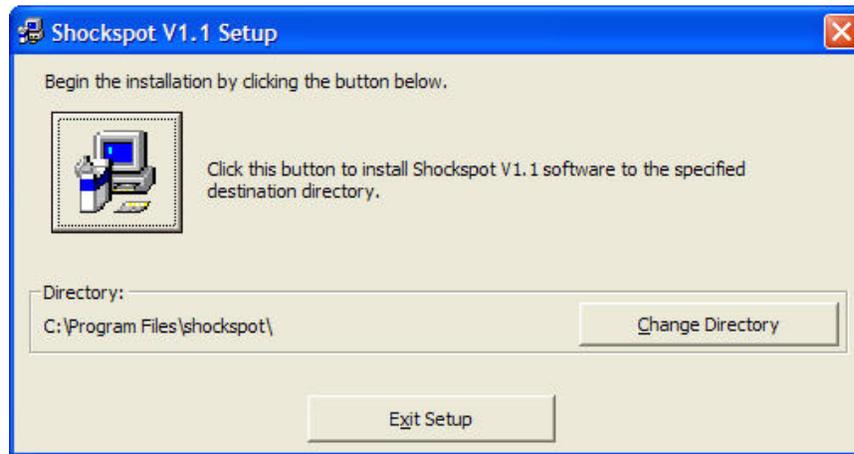
Do not connect the Shockspot to your PC until the Software is installed. The drivers that come with the Shockspot are configured specifically for optimum performance and must be present when your PC detects the Shockspot hardware.

To install the software:

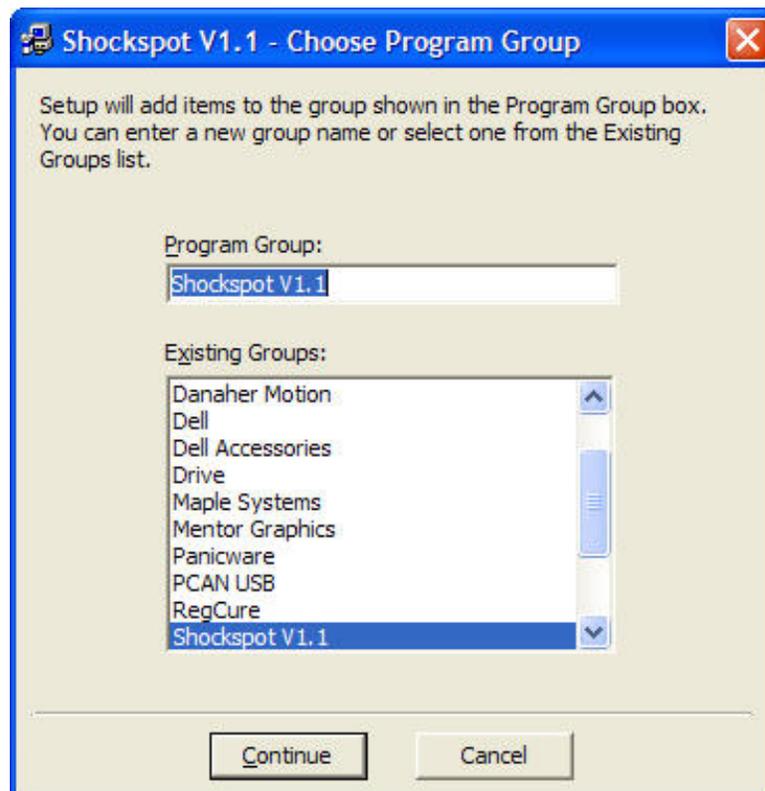
1. Insert the Shockspot Touch and Feel CD into your PC.
2. Your system should recognize a CD has been inserted and display the CD folder contents.
3. Double click the setup.exe file with the left mouse button to begin the program execution.
4. The initial Shockspot installation window will appear asking for any other applications you are running to be closed, select "OK".



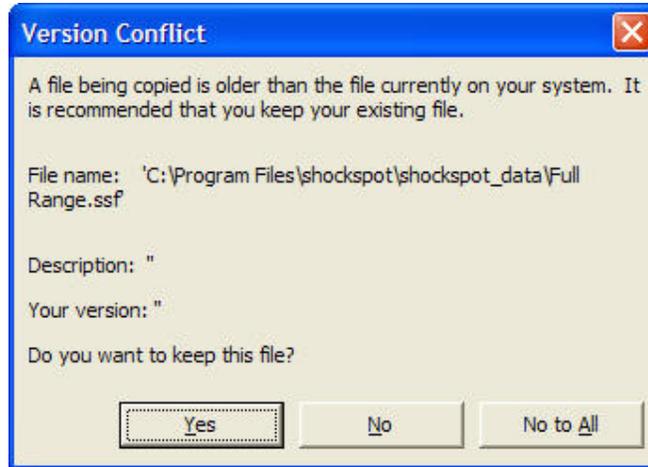
5. Select the your desired installation location for the Shockspot software then click the button to begin installation.



6. Select "Continue" to accept the default name for the program group. You can change the name of this group if you prefer.



7. You may see the following message displayed if your PC has new files installed. Select “Yes” to keep the newer files or “no” if you want to overwrite the newer files. You may be prompted for each newer files encountered during installation. Selecting “Yes” is recommended.



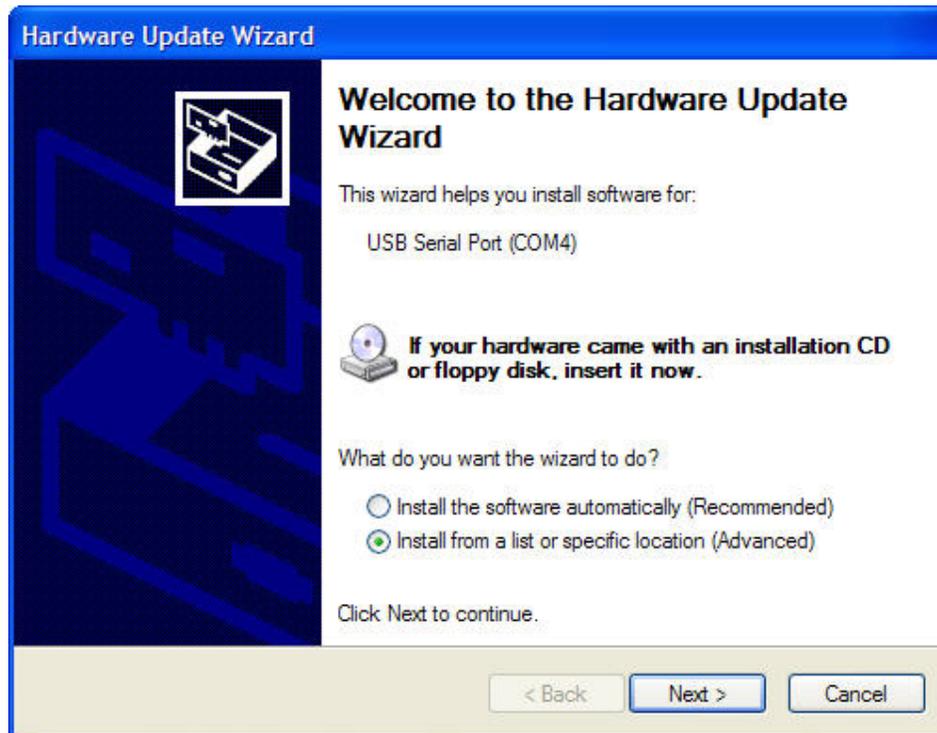
8. After a successful installation, the following message will be displayed.



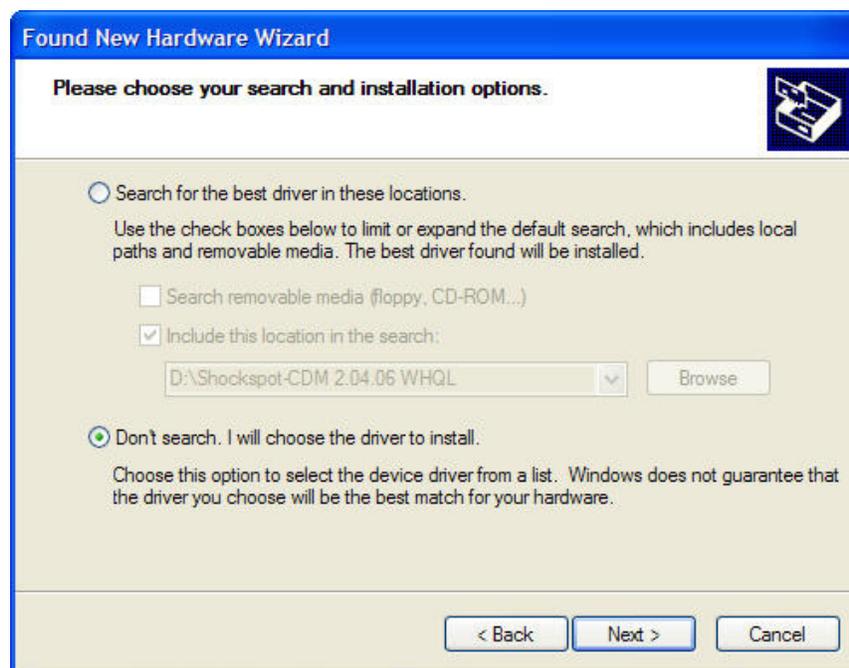
5.0 Install Shockspot Communication Drivers for Windows XP

1. Ensure the Shockspot Touch and Feels software disk is inserted in the PC.
2. Connect the PC to the Shockspot machine using the provide USB cable. (It is not necessary to provide power to the Shockspot machine at this time) The PC will recognize the Shockspot system through the USB cable without external power.
3. The PC will indicate “New Hardware Found” and begin the driver installation.

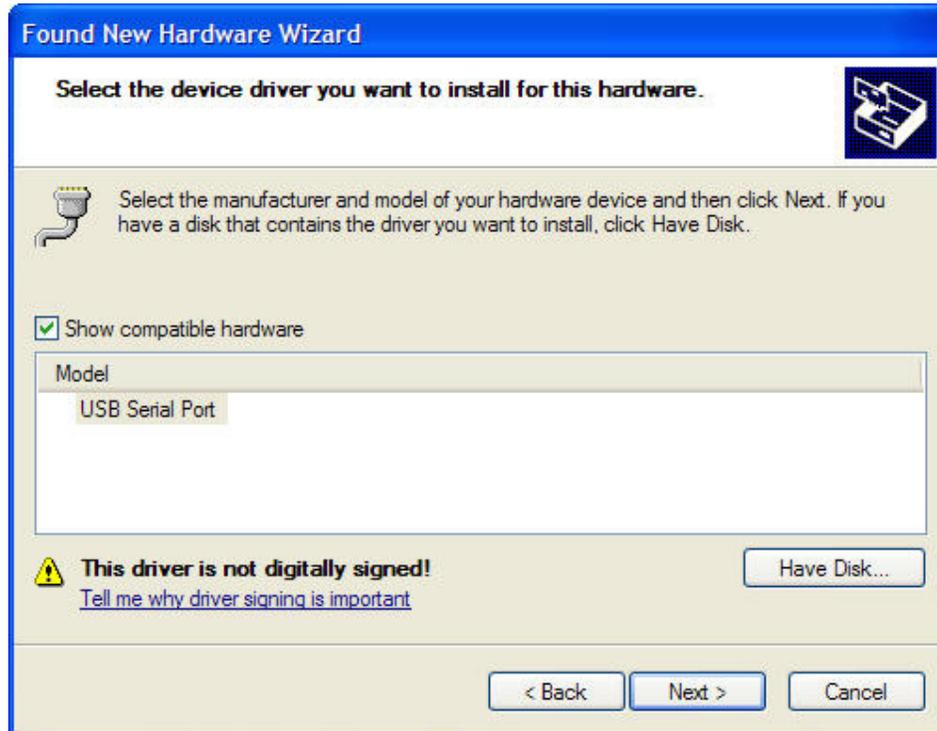
- Windows will prompt for the driver location. Select “Install from list or specific location” and press “Next”.



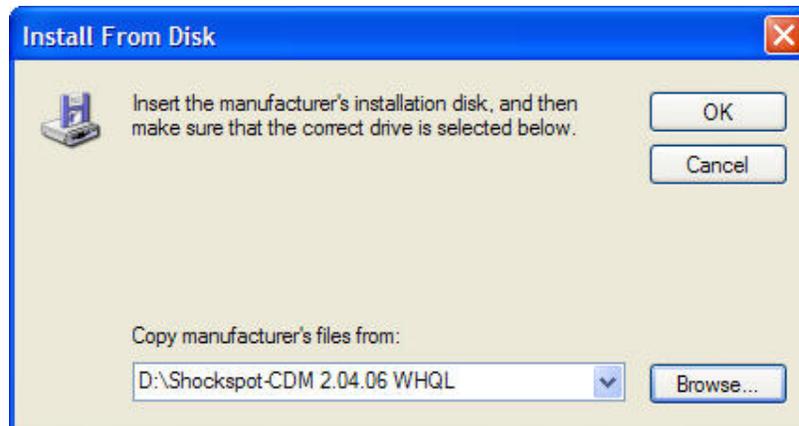
- Select “Don’t search, I will choose the driver to install” and select “Next”



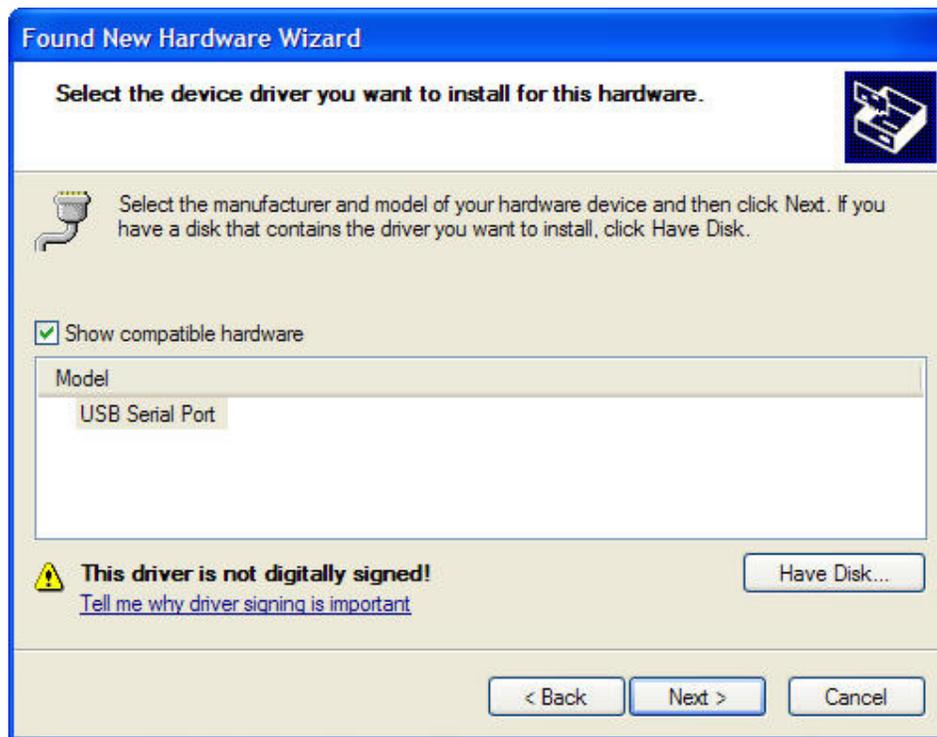
6. Select "Have Disk..." (Make sure CDROM is inserted in PC)



7. Browse to the CDROM drive and the folder "Shockspot-CDM 2.04.06 WHQL", which contains the driver information. Select "OK" to continue.



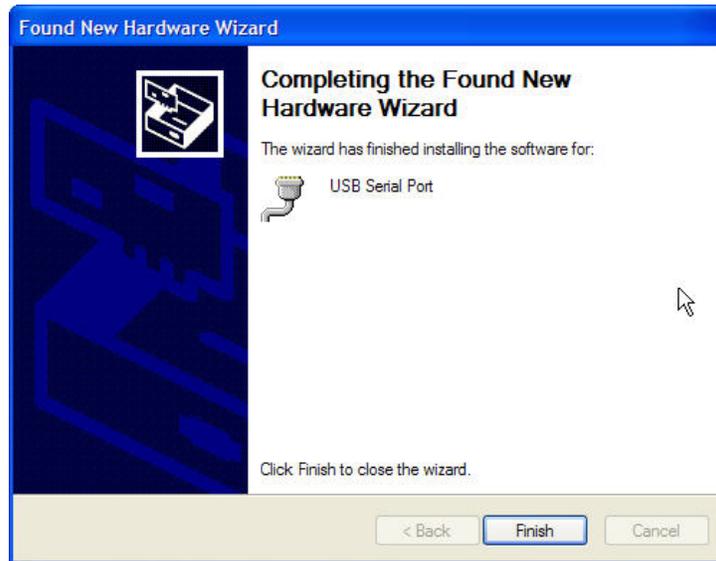
8. When the following window will appears, select “Next”.



9. Your PC may show the following window. If so, select “Continue Anyway” to proceed with the installation.



10. The hardware installation is now complete. Select “Finish”.

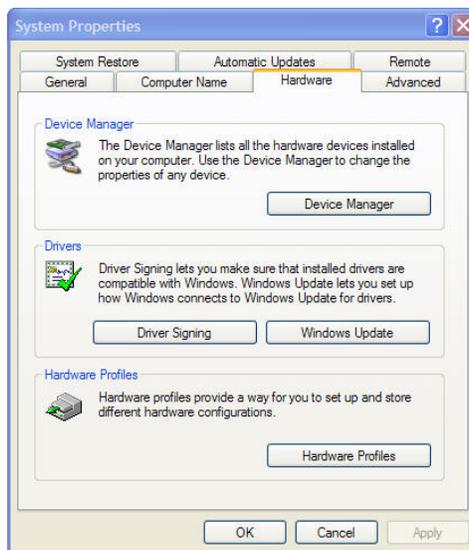


6.0 Enhance System Performance (Optional)

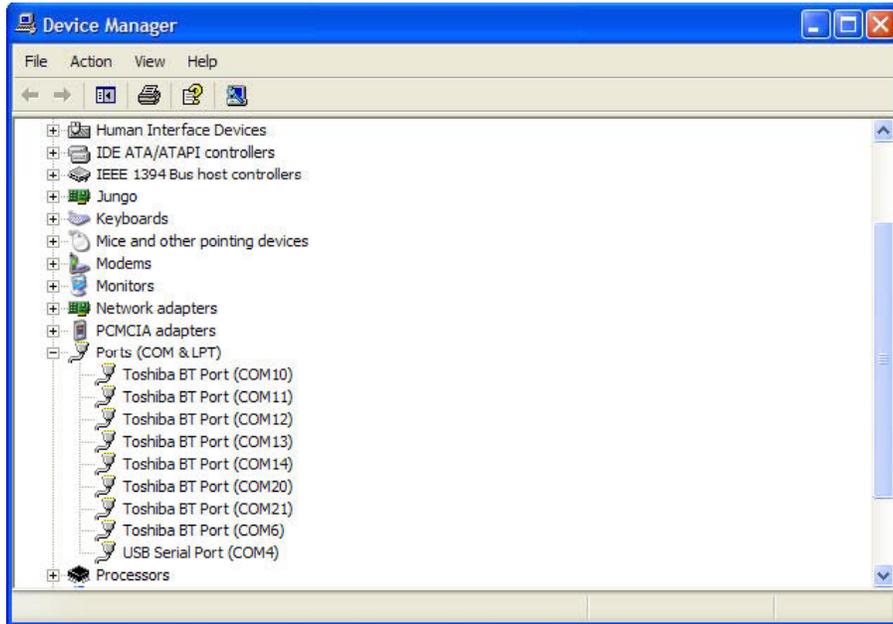
This section explains how to set the parameters for the communication driver to enhance the system performance. By adjusting the “Latency Timer” value, the Shockspot machine can communicate faster with the PC. This will increase the number of strokes and is more noticeable at shorter stroke lengths at high speed.

To adjust the latency timer:

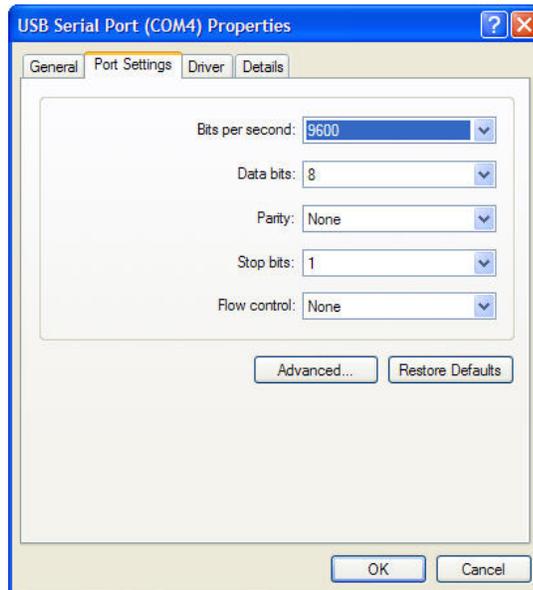
1. Navigate to the “Control Panel” and select “System” to display the system properties and select the “Hardware” tab.



2. Select “Device Manager” to display the PC devices and expand the “Ports (Com & LPT)” devices.

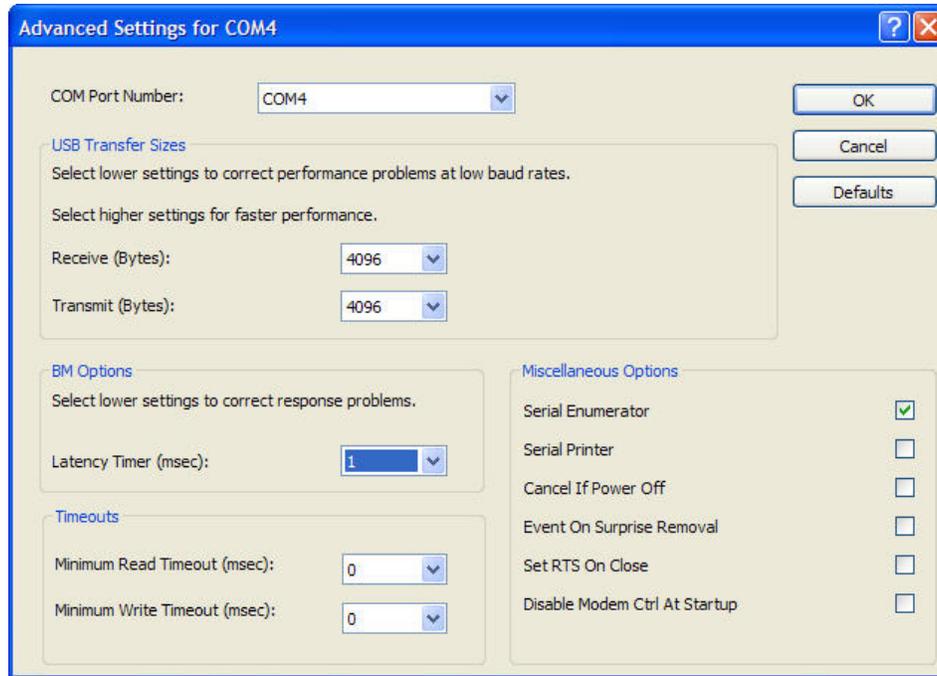


3. Double click the “USB Serial Port (COM)” device to display the properties. Select the “Port Settings” tab. Select the “Advanced” button to access the detailed settings



4. Set the “Latency Timer” value to “1” to increase cycle rate of the

Shockspot. Select “OK” to accept the value. It is not necessary to change other parameters.



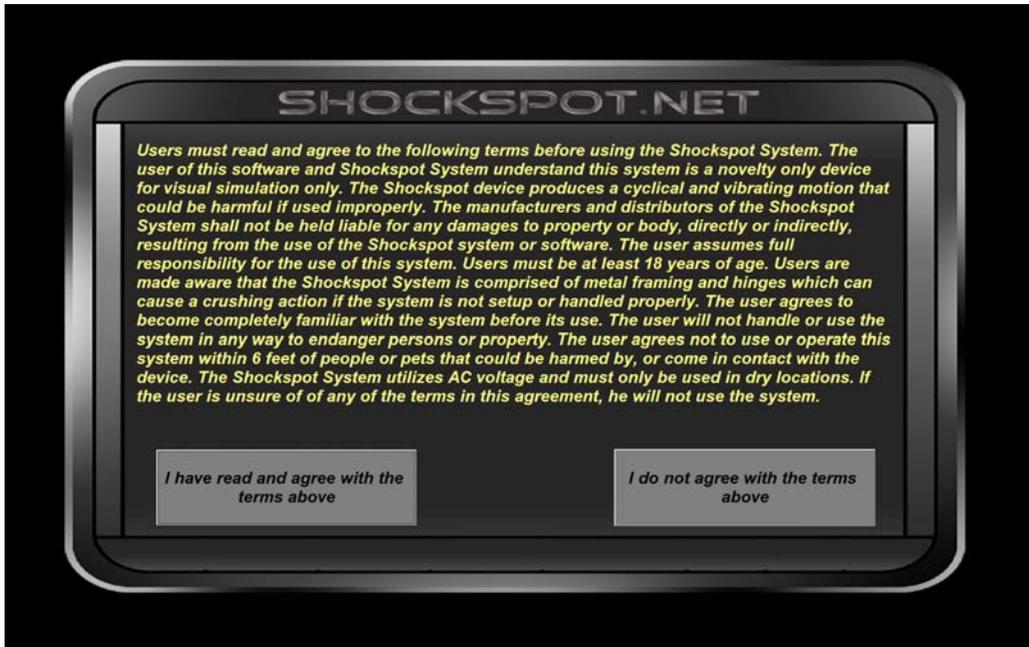
5. If the Shockspot does not cycle consistently, this value should be increased to a stable value. A setting of “1” provides very fast, very stable performance on most systems.

7.0 Operating the Shockspot

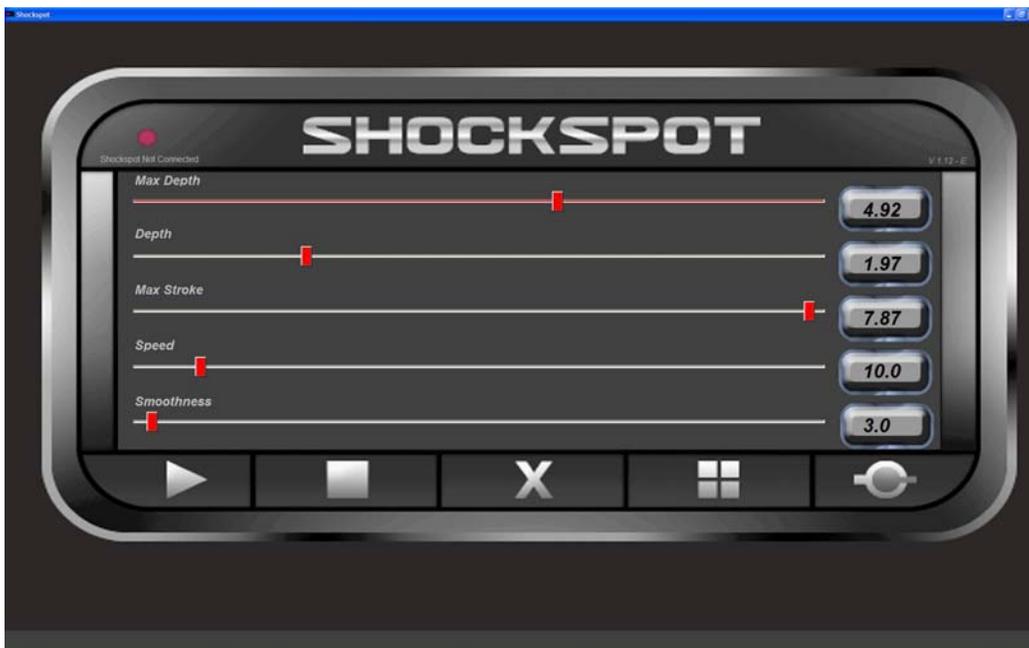
Important! The Cylinder must not be side loaded. Force to the cylinder must be applied only in the direction of the stroke. Forces applied to the side of the cylinder will cause damage to the system. When changing attachments to the end of the cylinder, power must be removed and the cylinder slightly extended. The cylinder must be supported by hand when applying pressure to attach/detach the attachment to the end of the cylinder to eliminate side forces to the cylinder. The cylinder must be protected from excessive shock. Ensure the cylinder is free to move and does not impact any hard surface during operation. Warranty will not cover cylinders exposed to side loads or shock.

The Shockspot is ready for operation after the system is assembled and the software is installed. Connect the PC to the Shockspot using the USB cable and apply power to the system. Start the Shockspot software by navigating to the Shockspot program group double clicking the “Shockspot V1.1” icon.

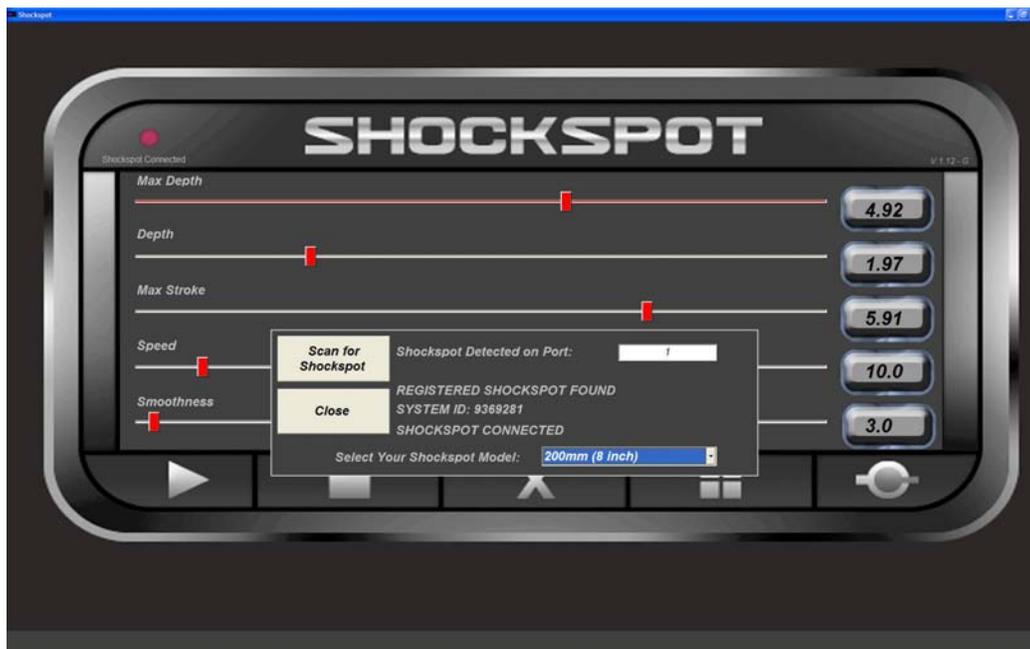
The first screen to appear is the disclaimer screen. Users must read and agree to all terms in the disclaimer to use the Shockspot system. If you do not agree with the terms, the software will be terminated.



The main screen is for manual operation of the Shockspot. When the main screen appears, it will automatically try to establish communication with the Shockspot system. The Shockspot connection status is displayed in the bottom left side of the screen.



When the status displays “Shockspot Connected” the system is ready for operation. If the status displays “Shockspot Not Connected”, users can re-establish communication by selecting the “Connect” button. The software will scan all available ports for the Shockspot system. Ensure the Shockspot is connected and power is applied to enable a successful connection. The software will scan for the Shockspot each time the “Scan for Shockspot” is connected. If the PC recognizes a registered Shockspot system, it will display “Registered Shockspot Found” and it will display the System ID. If the Shockspot System is powered during this process, it will display “Shockspot Connected”. If the Shockspot System is not powered, it will still indicate “Registered Shockspot Found” if the proper hardware is found. If the USB cable is not connected or the Shockspot is not registered, the status will be reflected in the connection window. If at any time the Shockspot loses communication during operation, the status on the main screen will display “Shockspot Not Connected”. To reconnect, select the “Connect” button from the main screen and follow the steps above.



Each time the Shockspot System connects, the cylinder will retract to the fully retracted position and the Shockspot System is ready for operation at this point.

7.1 The Shockspot Settings:

Your specific Shockspot model can be selected by pressing the connections button. Select the length Shockspot system in the pull down list labeled “Select

Your Shockspot Model". This setting will adjust the slide bars to match the length of your system. This setting is retained when the application is closed.

Max Depth - This setting is used to set the maximum depth the Shockspot will stroke, regardless of the depth setting. This is used for safety (Will eventually work in conjunction with the internet control software soon to be released). We found that while using the system, the operator may slide the depth slide bar farther than what may be desired. The "Max Depth" does not allow this to happen. Some people may be in a position to only accept 3 or 4 inches. By setting the Max Depth, they can be sure the Shockspot will not stroke more than this amount, regardless of the "Depth" setting.

Depth - This is the furthest point the Shockspot will stroke. For example, if this value is set to 5 inches, the Shockspot will not go any more than 5 inches deep. The "Depth" setting is limited to the "Max Depth" value setting.

Max Stroke - This value works in conjunction with the Depth value. It determines how far the Shockspot will stroke. For example, if the Depth is set to 4 inches and the Max Stroke is set to 1 inch, the Shockspot will stroke a total of 1 inch (between 3 and 4 inches). If you set the max stroke to 1.5 inches, it would stroke between 2.5 and 4 inches. At this point, if you were to increase the depth to 6 inches, it would automatically stroke between 4.5 and 6 inches. If you want to always stroke between zero and the depth you have set, just set the "Max Stroke" to 6 inches.

Speed - Speed is the maximum speed that the Shockspot will stroke. For example, if you could set the maximum speed of your car to 60 mph, you would never go faster than 60 mph, regardless of how fast or slow you accelerated. Likewise, if you set your max speed to 5 mph, it would never go faster than 5 mph, even if you hit the pedal very fast... only 5 mph.

Smoothness - This is the acceleration of the stroke. Using the reference above, with a speed set to 60 mph, you could accelerate very quickly or very slowly (smoothness) but you will not go faster than the max speed you set. If, for example, you set a very low smoothness value, you may not reach your max speed setting because the stroke would need to start decelerating before it had a chance to reach the maximum speed. Imagine accelerating your car very slowly on a short road, you would not reach your top speed because you would have to start decelerating in order to stop at the end of the road. Low smoothness settings create a very soft, smooth reversal of the stroke, very high settings create a quick, robust change of direction.

7.2 Give the Shockspot a Test Run:

Ensure nothing is within three feet of the cylinder. Using the mouse, left mouse click the “RUN” button and watch the Shockspot cycle. While the Shockspot is running, move the “DEPTH” slider to the right. The Shockspot will instantly respond by stroking back and forth further. The depth (length) of the stroke is displayed to the right of the slider. Move the “DEPTH” slider to approximately three inches. Move the “SPEED” slider to the maximum position to the right. Move the “SMOOTHNESS” slider to the right and notice how the motion of the cylinder changes. The moves become harder (faster) as the cylinder reverses. Move the cylinder to the left and the moves become smoother as the stroke cylinder reverses direction. Move the “SMOOTHNESS” the minimum position to produce the smoothest motion. The “SPEED” slider controls the maximum speed of the cylinder. Move the “SMOOTHNESS” slider to the middle of the slide and adjust the “SPEED” slider to the left slowly while observing the motion of the cylinder. The cylinder will not move faster than the maximum speed set with the “SPEED” slider. Now move the “SMOOTHNESS” and “SPEED” sliders to the maximum position and adjust the “DEPTH” slider to “0.20” inches. This will produce a very rapid vibration of the Shockspot. Take some time to learn how the settings affect the motion. The speed and the smoothness affect the motion in different ways. If the smoothness is set to a low value, the cylinder may not reach the speed set with the “SPEED” slider. Press the “STOP” button to stop the motion.

7.3 Using the Remote Palm Button

When the Shockspot is stopped, pressing the remote palm button will cause motion to start. This allows the system to be controlled at a distance from the PC. When on the “PROGRAMS” screen, pressing the palm button will cause the selected program to run.

7.4 Running Programs

To access the Programs screen, select the “PROGRAMS” button from the main screen. The programs screen allows programs to be selected, run, modified and stored. Users can customize the default programs or create new programs from scratch by using the sliders. The default program screen appears with all parameters set to their minimum value as shown below.



Select the “OPEN FILE” button to open the stored Shockspot programs. Default programs are loaded into the system when the software is installed.



Click the desired program, for example, click the “Full Range” program. All of the parameters are set according to the stored program. As shown below, the “DEPTH”, “MAXIMUM STROKE”, “SPEED”, “SMOOTHNESS”, “MAXIMUM DEPTH” AND “TIME” are set to the values stored in the program. The settings function as described above. Each step has an associated “TIME” value in

seconds and an “ENABLE” option to enable/disable the step. The parameters defined in each step will run for the period of time specified in the “TIME” field for the step. Note that step times set to zero will not be executed.



Select the “RUN” button to run the program. As the program runs, the step being executed is highlighted in yellow. The program can also be run by pressing the remote palm button.

To save the program, select the “SAVE FILE” button and enter a name for the program to be stored.



To delete previously stored programs, select the “DELETE FILE” button and click on the file to delete.



All Shockspot programs are stored in the application directory in the “Shockspot_data” folder and have the “.ss2” extension. Ex. “C:\Program Files\shockspot\shockspot_data” Programs can be copied and pasted to this directory for sharing.

8.0 Shockspot Specifications

Power:

120-240 VAC 50/60Hz

PC Communication:

USB

Wireless Windows Mobile Application

Wireless Bluetooth option

Software:

Shockspot Touch and Feel Software

Remote:

Stand-Alone remote control option – No PC required – Control Depth, Maximum Stroke, Speed and Smoothness with easy to feel knobs.

Hand held control for starting/stopping software control

Maximum Thrust (push) Force:

17.535 pounds of thrust (push force)

Important! The Cylinder must not be side loaded. Force to the cylinder must be applied only in the direction of the stroke. Forces applied to the side of the cylinder will cause damage to the system. When changing attachments to the end of the cylinder, power must be removed, the cylinder slightly extended. The cylinder must be supported by hand when applying pressure to attach/detach the desired attachment to the end of the cylinder to eliminate side forces to the cylinder. The cylinder must be protected from excessive shock. Ensure the cylinder is free to move and does not impact any hard surface during operation. Warranty will not cover cylinders exposed to side loads or shock.

Max Speed:

23.62 inches/sec

Stroke Length: (software adjustable on the fly)

Based on Shockspot system ordered:

0 - 6 inches (150 mm)

0 - 8 inches (200 mm)

0 - 10 inches (250 mm)

0 - 12 inches (300 mm)

Max Strokes per Minute:

1060 strokes/min at stroke length 0.2 inches

340 strokes/min at stroke length 2.0 inches

250 strokes/min at stroke length 4.0 inches

(Average ratings can be affected by PC performance)

Weight:

14lbs

Dimensions (Expanded for Use):

16.5 inches (W)

22.0 inches (L)

Up to 30.0 inches high (H)

Dimensions (Folded):

(Note: can be used in folded position)

16.5 inches (W)

22.0 inches (L)

5.5 inches (H)

Dimensions (Folded for Transport/Storage):

7.5 inches (W)

20.0 inches (L)

5.5 inches (H)

Attachment Method:

Doc Johnson's TM Vac-U-Lock system

(Quick change/disconnect system)

Warranty:

The Shockspot is warranted for 5 year parts and labor for manufacturer defects. This warranty covers private, non-commercial use of the product. Customers are responsible for shipping charges and associated transportation costs. The user of this software and Shockspot system understand this system is a novelty only device for visual simulation only. The Shockspot device produces a cyclical and vibrating motion that could be harmful if used improperly. The manufacturers and distributors of the Shockspot system shall not be held liable for any damages to property or body, directly or indirectly, resulting from the use of the Shockspot system or software.

Important! The Cylinder must not be side loaded. Force to the cylinder must be applied only in the direction of the stroke. Forces applied to the side of the cylinder will cause damage to the system. When changing attachments to the end of the cylinder, power must be removed, the cylinder slightly extended. The cylinder must be supported by hand when applying pressure to attach/detach the desired attachment to the end of the cylinder to eliminate side forces to the cylinder. The cylinder must be protected from excessive shock. Ensure the cylinder is free to move and does not impact any hard surface during operation. Warranty will not cover cylinders exposed to side loads or shock.

9.0 – Shockspot Care and Additional Information

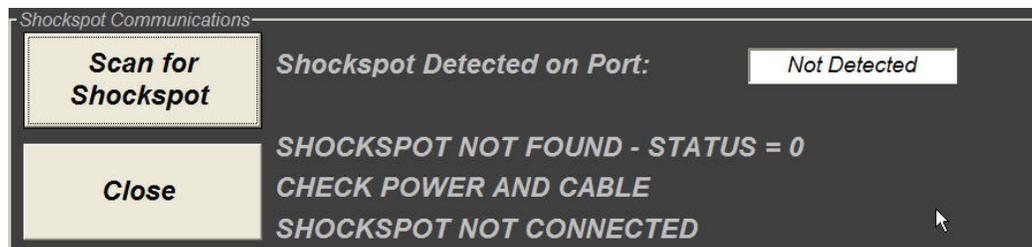
1. When attaching the desired attachments, used talc powder or “quick release” powder in the quick connect hole of the attachment. This will allow the attachment to be attached and removed more easily and help prevent damage to the Shockspot System.
2. ALWAYS support the cylinder when attaching or removing attachments. Never push or pull the cylinder when attaching or detaching items, this can cause damage to the Shockspot System.
3. Cleaning - The Shockspot frame assembly can be cleaned with warm water but the electronics enclosure and cylinder must not be wet. The cylinder and electronics enclosure may be wiped with a damp cloth but never allow water or any other fluid to enter the cylinder or electronics.

10.0 – Troubleshooting your Shockspot

This section covers the most common problems and solutions with the Shockspot. Most problems with the Shockspot are simple communication issues that can be resolved quickly and easily.

The first step is to make sure that power is connected to your Shockspot and you have a green indicator light on the bottom of the thrusting mechanism. If the green indicator is not visible and you have verified the power supply is connected, please contact support@shockspot.net.

10.1 – “Registered Shockspot Found” but “Shockspot Not Connected” is Displayed When Trying to Connect



If you get this message when you click the connect button the most likely problem is that the port number assigned in your PC is greater than 16. This is a very easy fix for Windows XP and Vista.

This message is indicating that a registered Shockspot Machine is connected through USB, but a communication link is not established properly as a result of the COM port assigned a value greater than 16.

Follow these steps to resolve this issue:

Make sure your Shockspot System is connected to your PC when performing this configuration!

(VISTA) -Go to the "Control Panel" and select "Device Manager" you will see a list of devices on your PC.

(XP) - Go to the "Control Panel" and select "System". Click the "Hardware" tab and select the "Device Manager" you will see a list of devices on your PC.

1. Expand the "Ports (COM & LPT)" settings and verify that "USB Serial Port (COMx)" appears in the list. For example "USB Serial Port (COM23)", where the "23" is the COM port tht has been assigned. (If the assigned COM port is 16

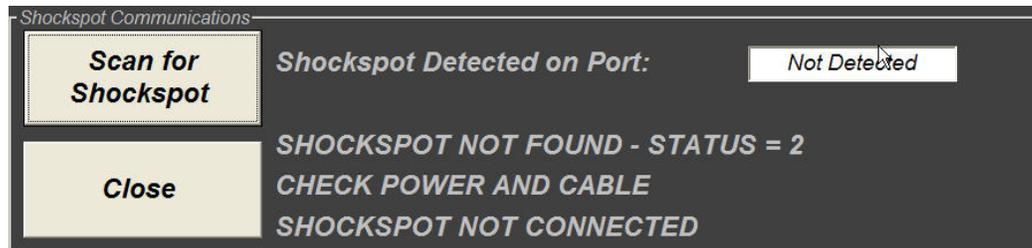
or less, please go to section 10.2 of this manual and follow the steps for driver installation)

2. Double click the "USB Serial Port (COMx)" and select the "Port Settings" tab then select the "Advanced" tab.

3. Set the "COM Port Number" to a value of 15 or less. Select lower numbers to allow the software to recognize the Shockspot System faster. You may also want to set the "Latency Timer" to "1" for better system response.

4. Select "OK" to accept the settings and return to the "Device Manager". You must disconnect, then reconnect the USB cable for the new settings to take effect. Your Shockspot is now ready to run.

10.2 – "Shockspot Not Found" and "Shockspot Not Connected" is Displayed When Trying to Connect



If you get this message when you click the connect button the most likely problem is that the driver is not installed for the Shockspot communication hardware. The drivers for Windows XP and Vista are included in the Shockspot setup files.

This message is indicating that communication to a registered Shockspot Machine can not be found, Follow these steps to resolve this issue:

Make sure your Shockspot System is connected to your PC when performing this configuration!

(VISTA) -Go to the "Control Panel" and select "Device Manager" you will see a list of devices on your PC.

(XP) - Go to the "Control Panel" and select "System". Click the "Hardware" tab and select the "Device Manager" you will see a list of devices on your PC.

1. Expand the "Universal Serial Bus Controllers" tab

2. Right Click the "USB Serial Converter" and select "Update Driver Software"

3. Select "Browse my computer for driver software" to locate and install the driver manually.
4. Select "Browse" and navigate to the drive where the Shockspot CD is located, then select the folder "Shockspot-CDM 2.04.06 WHQL" which contains the driver. Make sure the "include subfolders" is checked as well.
5. This will install the proper driver for the Shockspot and should install the USB serial port as well.
6. When this step completes, you must go back to the "Device Manager" and verify the settings under the "Ports (COM & LPT)" you should see "USB Serial Port" listed.
7. Verify that "USB Serial Port (COMx)" appears in the list. For example "USB Serial Port (COM2)", where the "2" is the COM port that has been assigned.
The COM port assigned must be 16 or less! If not, please follow the next steps.
8. Double click the "USB Serial Port (COMx)" and select the "Port Settings" tab, then select the "Advanced" tab.
9. Set the "COM Port Number" to a value of 15 or less. Select lower numbers to allow the software to recognize the Shockspot System faster. You may also want to set the "latency Timer" to "1" for better system response.
10. Select "OK" to accept the settings and return to the Device manager. You must disconnect, then reconnect the USB cable for the new settings to take effect. Your Shockspot is now ready to run.

Please visit Shockspot.net for the latest news and support. If you have any questions, please email support@shockspot.net