# Updating your veo instrument

#### 1. Before you start

Before you start the update process you will need the following items:

- Sonatest veo instrument with fully charged batteries
- Sonatest veo charger and power source
- A spare USB2.0 memory stick for the update process. The entire contents of the USB stick will be erased. Do not use your veo inspection data key !
- A USB keyboard

The update process can take 30-40 minutes to complete.

#### 2. Un-install any previous versions of the DiscImager

Using Control Panel, remove any existing installations of the veo DiscImager program.



## 3. Download the veo update package

Download the veo update package and run it.

Veo DiscImager - InstallShield V	Vizard
	Preparing to Install
0	Veo DiscImager Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
	Extracting: Veo DiscImager.msi
	Cancel



Click Next.....

😸 Veo DiscImager - InstallShield Wizard
Ready to Install the Program       The wizard is ready to begin installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. Current Settings:
Setup Type: Typical
Destination Folder:
User Information:
Company:
InstallShield < Back Install Cancel

Click Install...





Click Finish to complete the installation of the DiscImager.

## 4. Run the Disk Imager program

Insert a USB memory stick into a spare USB slot on your PC. Note that this memory still will be *completely erased* during the process, and programmed with a boot image for the veo instrument.

Run the veo Disk Imager from the start menu:



Check the release version, and read the release notes. These contain useful information about new features and bug fixes. This dialog also provides information about compatible hardware revisions.

Sonatest DFD Disk Imager	? 🗙
	Release Notes
	Sonatest Veo Software Update
	What's new in 3.1.35 Release 1
	Pack 3.1.35 Release 1
Sonatest	EG3 Software: 3.1.35R1     Pic Firmware: 1.8     Vhdl Firmware: 180     BIOS: 4.13     Compatible with Hardware Rev C01 and D01     OS Image: 3.1.35R1
	Featuring:
	<ul> <li>Add cursor delta measurement to report</li> <li>Beam intersection and PCS references added to report</li> <li>Thinner weld overlay</li> <li>Complete French translation</li> </ul>
	Fixed: •
	< Back Next > Cancel

When you are ready, click Next...

Sonatest DFD Disk Imager	? <b>***</b>
Sonatest	Device selection Choose the device on which to install the update. Once the wizard is completed, you will be able to update any instrument using the device. WARNING: The content of the selected device will be LOST. F Refresh
	< Back Commit Cancel

In the first box, choose the drive letter for the USB memory stick you wish to use. Check in Windows Explorer that the drive letter matches the USB stick.

When you are ready, click Commit.

Sonatest DFD Disk Imager	? ×
Sonation of the second	Device selection Choose the device on which to install the update. Once the wizard is completed, you will be able to update any instrument using the device. WARNING: The content of the selected device will be COST. of "Update and Recovery Key" in progress 34%
	< Back Commit Cancel

The USB key will now be programmed with the veo update. This may take a few minutes to complete.

Sonatest DFD Disk Imager	2	x
	Installation Completed Installation completed. You can now use the device you just created to update your instrument. Follow the steps below to update your instrument.	0
	Instrument Update Steps	
Sonatest	<ol> <li>Power off your instrument (Veo)</li> <li>Connect the "Update and Recovery Key" to the Veo retractable USB connector.</li> <li>Connect a USB keyboard to the Veo.</li> <li>Start the Veo by pressing the power button (hold the button for 4 seconds).</li> <li>Immediately after you see the red led blinking on the Veo keypad, repeatedly press the ESC key until the update menu appears.</li> <li>From the update menu, select the "Update System" menu entry.</li> <li>Once inside the "Sonatest Instrument Update" menu (blue screen), select the "Update" option.</li> <li>Anwser "Yes" when asked for confirmation.</li> <li>The rest of the operation should take 15 to 20 minutes.</li> </ol>	4
	< Back Finish Cancel	

Once the USB stick has been programmed, some instructions are presented explaining how to update the veo. These are explained below.

When you are ready, click Finish...

## 5. Updating the veo instrument

1. Power Off the veo instrument

2. Connect the power pack to the veo instrument and plug into a mains supply. Also insert the batteries into the veo instrument. This will ensure that power will always be available during the update process.

3. Connect a USB keyboard to the veo, using a free USB socket on the left hand side.



4. Switch on the veo, and press the ESC key on the keyboard immediately the red light flashes on the keypad. Keep pressing the key quickly until the following menu is displayed.

	GNU GRUB version 1.98	
onatest Veo (v3.1.35R1 - Ti pdate System	ursday March 03 2011 08:23:19 AM)	
	تسبح ومتلهم وللهماء	
Use the + and + keys to Press enter to boot the	select which entry is highlighted, selected OS, 'e' to edit the commands	before booting or
for a command-line.		E
Constact		

5. Select "Update System" from the menu with the UP/DOWN arrow keys on the USB keyboard, and press ENTER. Note the selected menu item is Yellow.



6. Select the "Proceed with Update" menu option and press ENTER.

matest instrument Update		
	WARNING: You are about to upgrade to a new software version. Are you sure you want to continue?	
	< Yes > < No >	
Sonat	est	Vec

7. Select Yes to confirm you are sure you wish to proceed.

8. Updating takes approximately 20 minutes. The progress bar may stay in one place for a long period of time, this is normal.

st instrument update		
	Your instrument was successfully updated. To see the install log press 'Yes' else press 'No' to continue with the update process.	

9. Once the update has finished, you can select YES to view the installation log file, or NO to continue. For most users, select NO.



10. Selecting NO will allow the USB stick to be restored to a state where it can be used again, selecting YES will halt the instrument but you may not be able to use the USB stick in Windows again.



11. Select the Restore option from the menu. This will restore the USB stick.

## 6. Restarting the veo with the new software installed

You can now remove the USB memory stick and power on the veo instrument. Press the power button for 4 seconds, and it should start with the new version of software installed as shown below.

