M211381EN-E

# Technical Reference

## Backing up and Restoring Windows 7 for Sounding System

**MW31 and MW41**

VAISALA

PUBLISHED BY

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# 1. About This Document

## 1.1 Version Information

Table 1 Manual Revisions

| Manual Code | Description |
|---|---|
| M211381EN-E | March 2017. Updated with information on repair disk. |
| M211381EN-D | November 2016. Updated with the new User Guide template. |
| M211381EN-C | January 2016. Added information on restoring on an empty hard drive. |
| M211381EN-B | June 2012. Updated for MW41. |
| M211381EN-A | May 2011. First version. |

## 1.2 Related Manuals

Table 2 Related Manuals

| Manual Code | Manual Name |
|---|---|
| M210994EN | Backing Up and Restoring Windows Vista for MW31 Sounding System |

## 1.3 Documentation Conventions

Throughout the manual, important safety considerations are highlighted as follows:

**WARNING!** Warning alerts you to a serious hazard. If you do not read and follow instructions very carefully at this point, there is a risk of injury or even death.

**CAUTION!** Caution warns you of a potential hazard. If you do not read and follow instructions carefully at this point, the product could be damaged or important data could be lost.

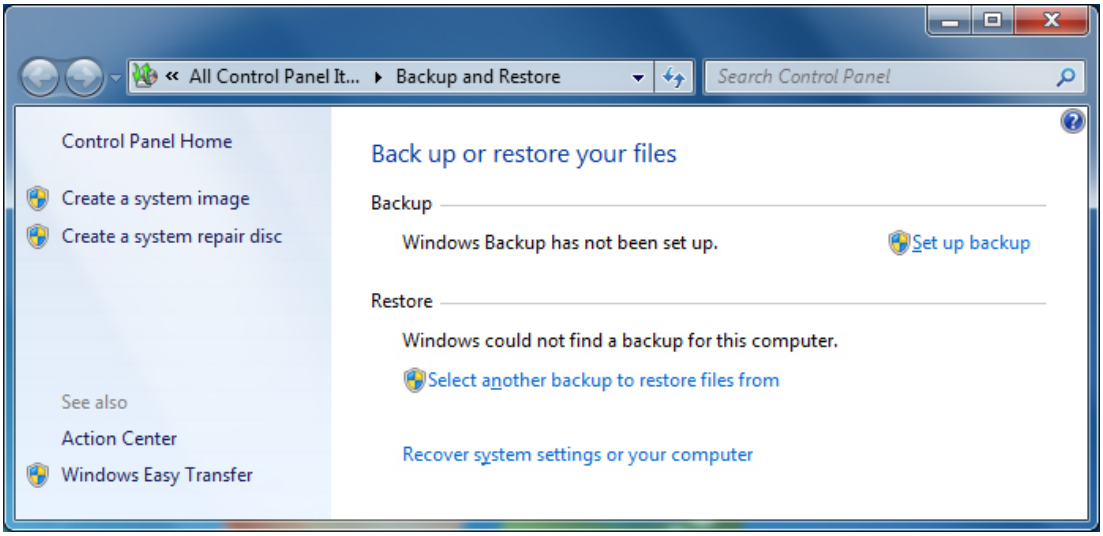
Note highlights important information on using the product.

# 2. Backing up the PC

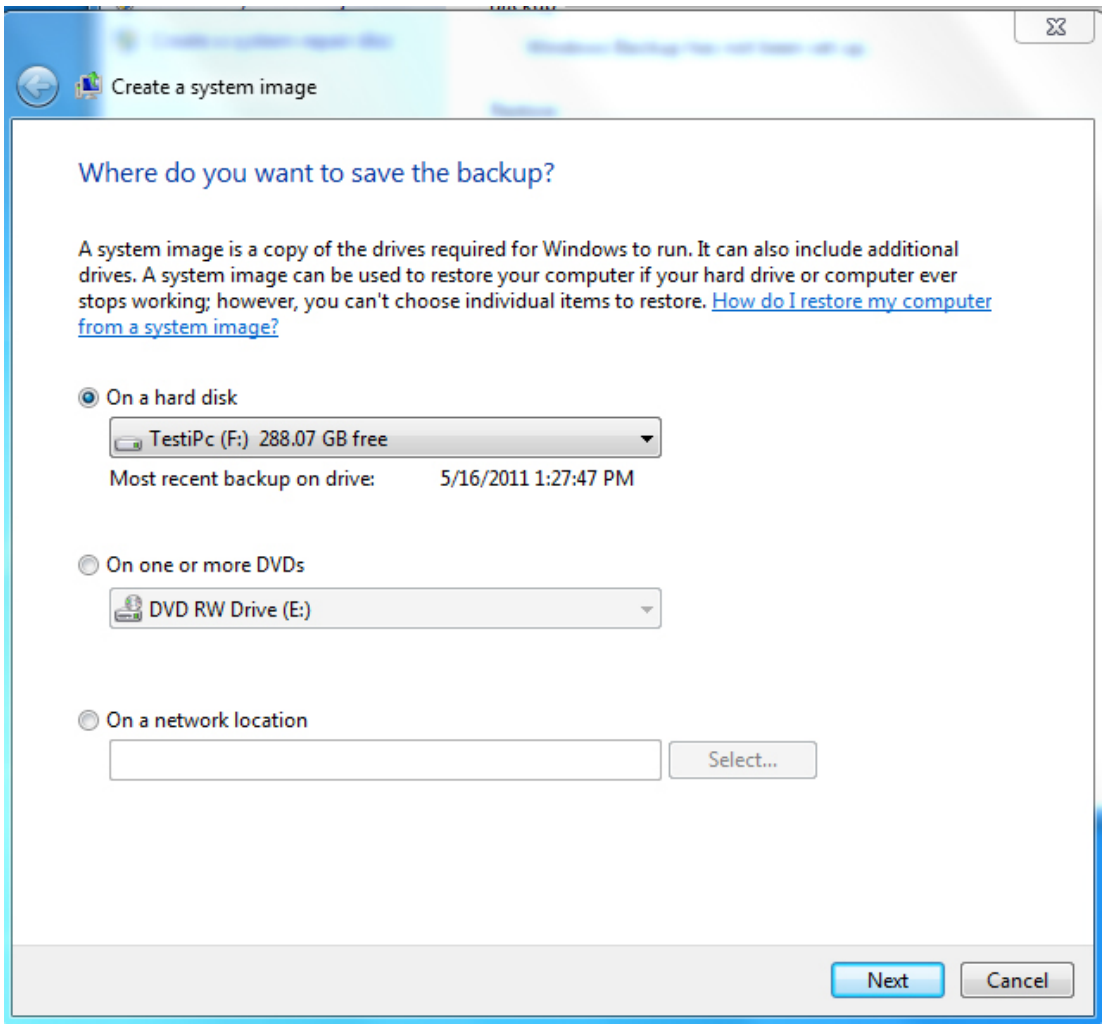
Note that complete PC backups are meant for disaster recovery scenarios. Restore of individual files is not supported.

These instructions are applicable when you have Windows 7 operating system installed on your computer, delivered to you from Vaisala.

1. Connect the external USB disk to the PC.
2. Click the **Start** button and go to **All Programs > Maintenance > Backup and Restore**. Select **Create a system image** from the upper left corner.

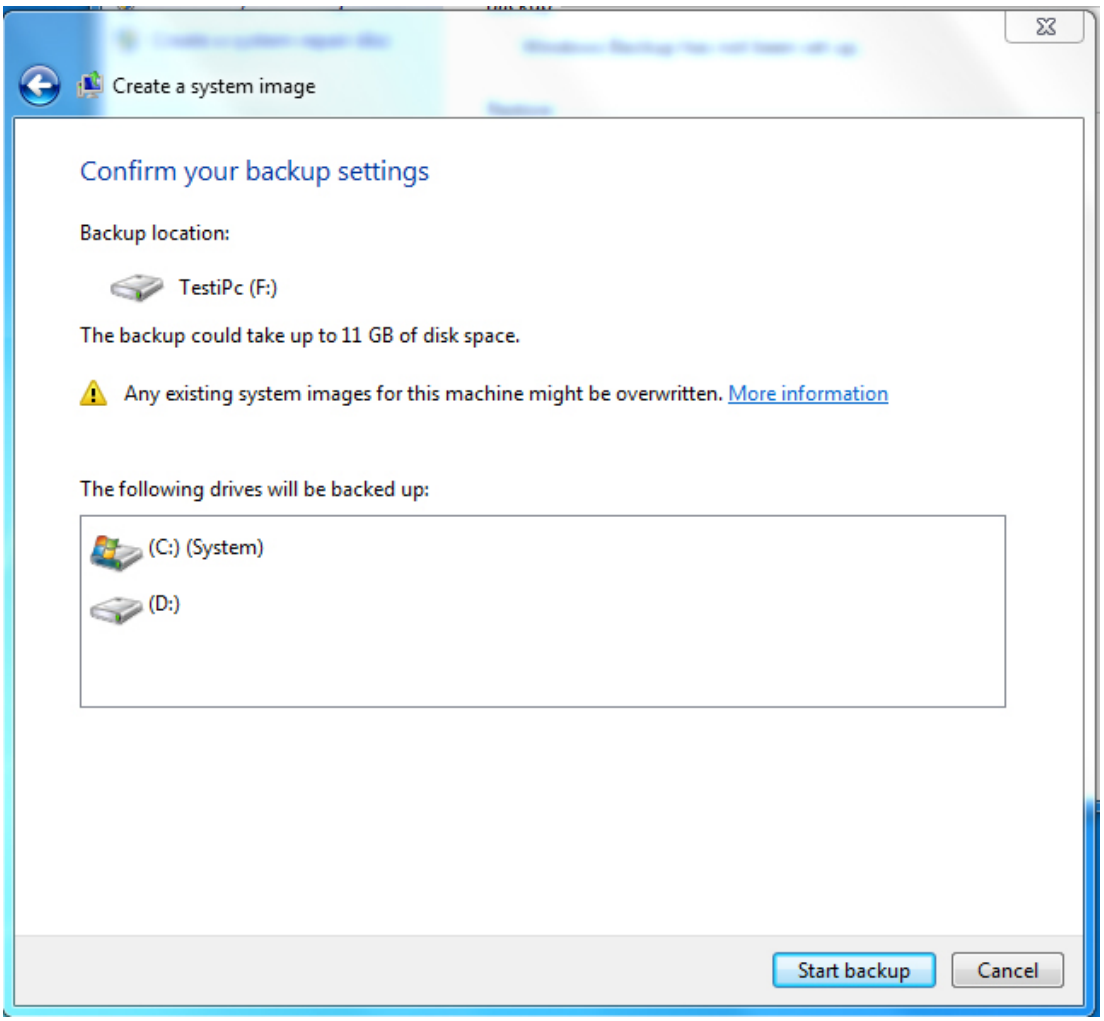


3. Save the backup image to the external USB hard disk (default location). Click **Next**.

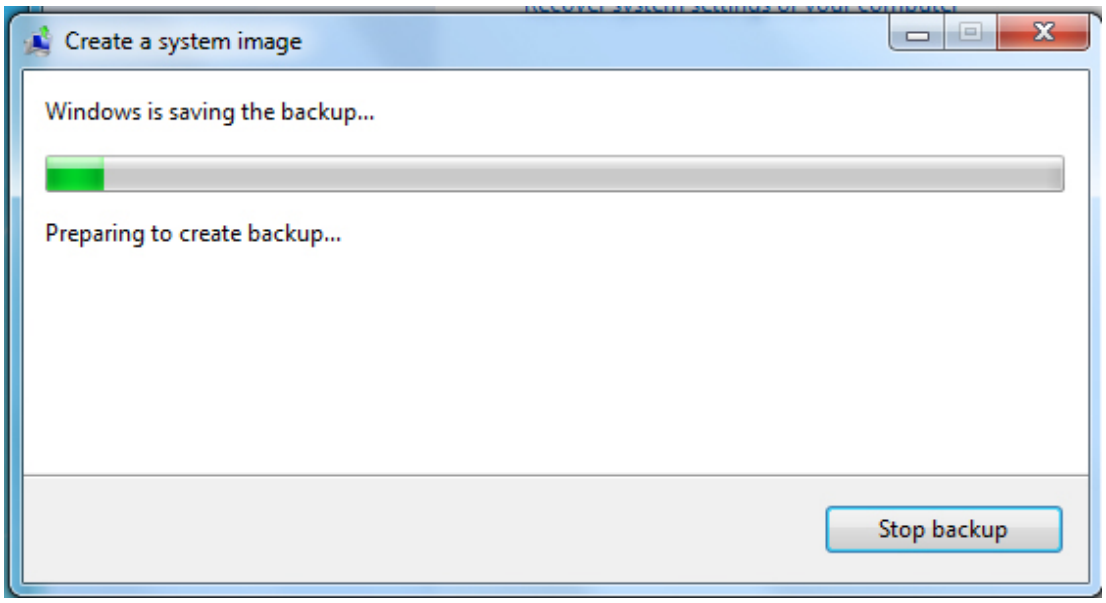



4. The system drive C: is selected by default as the drive included in the backup and you cannot deselect it. Select the D: drive and click **Next**.

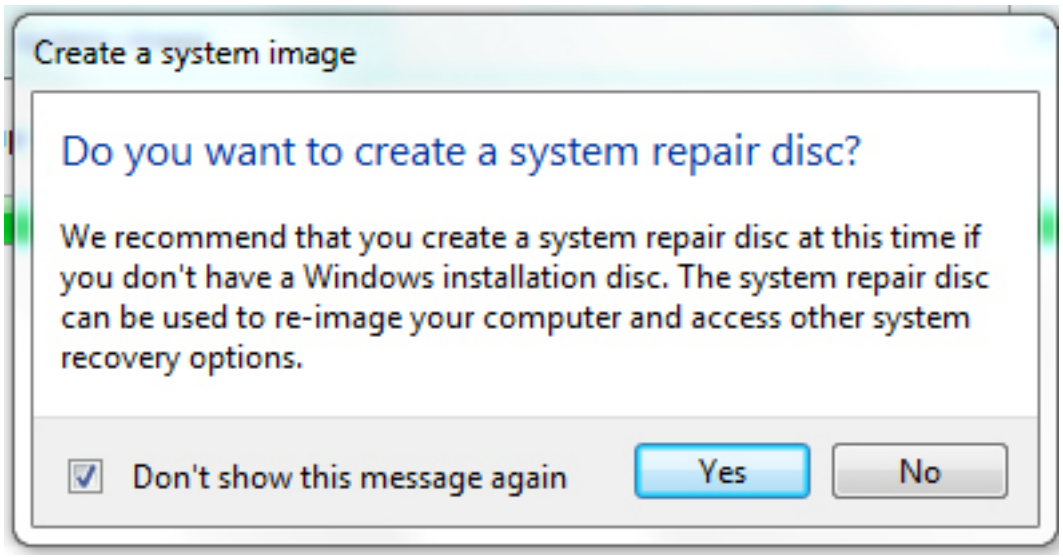
5. Confirm the backup settings and click **Start backup**.



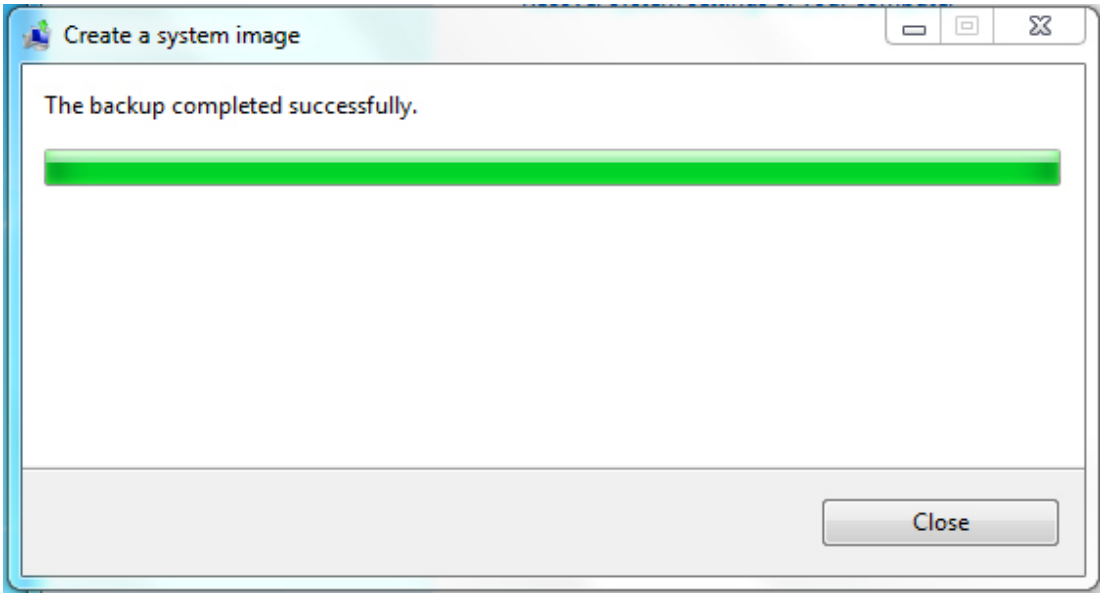
6. The backup begins.



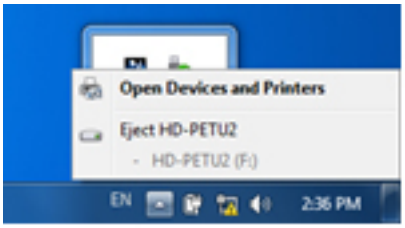

7. If this window appears, select **Don't show this message again** and click **No**.



8. The backup has now been created successfully. Click **Close**.




9. You can now safely remove the USB disk.

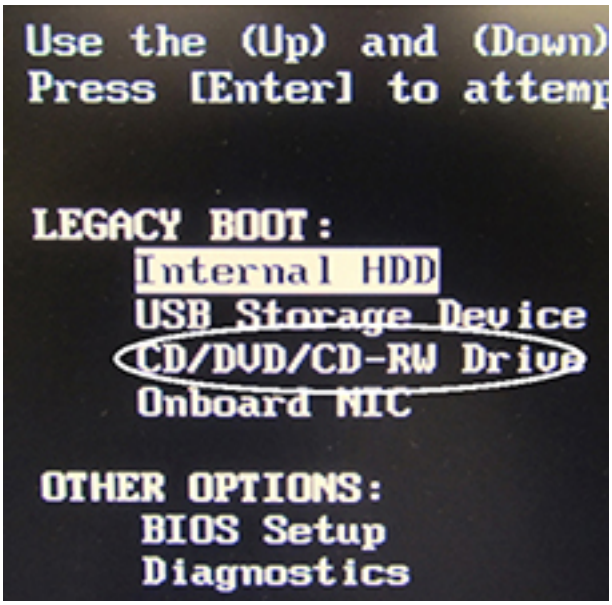



Next time you make Complete PC Backup to the same drive, the program will only back up the differences between the latest backup and the current state of your computer, allowing the backup to complete faster.

# 3. Restoring the PC

Follow these steps to restore either the entire PC or a system drive only.

1. Turn on the PC.
2. Press **F12** to display the boot options.
3. Insert the Dell Reinstallation DVD or Repair Disk Windows 7 64-bit CD into the CD/DVD drive.
4. Select **CD/DVD/CD-RW Drive** and connect the external USB disk that includes the image you want to restore.




5. Press any key to boot from the DVD when the following message appears.

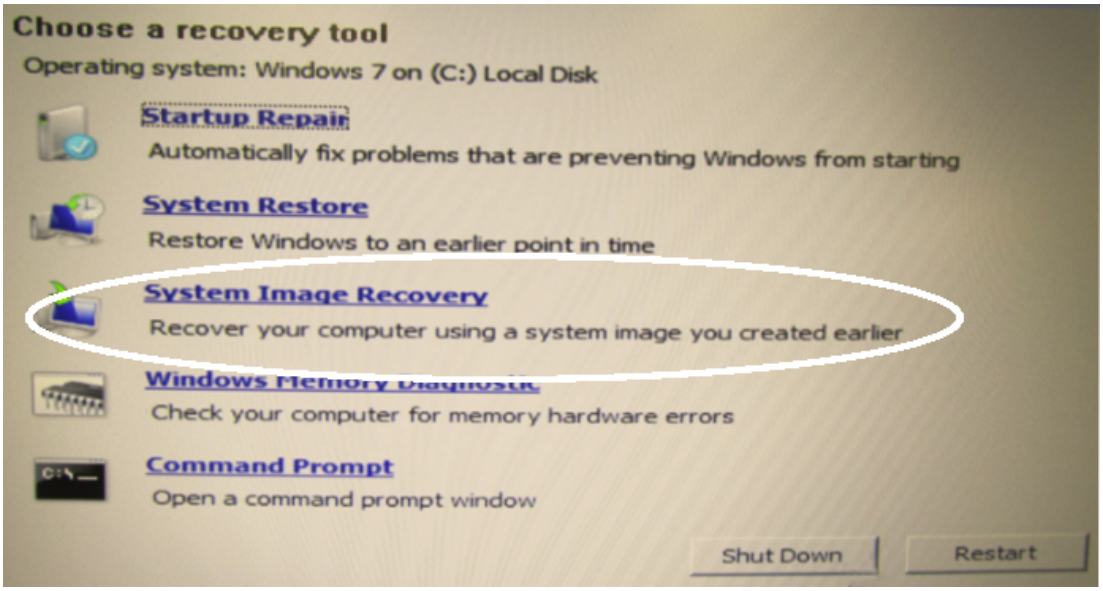
6. Windows starts loading the bootable DVD.

7. Choose the correct option:
   - In case of Dell reinstallation DVD, select the correct language.
   - In case of the repair disk, you only need to select the keyboard layout, see the next step.

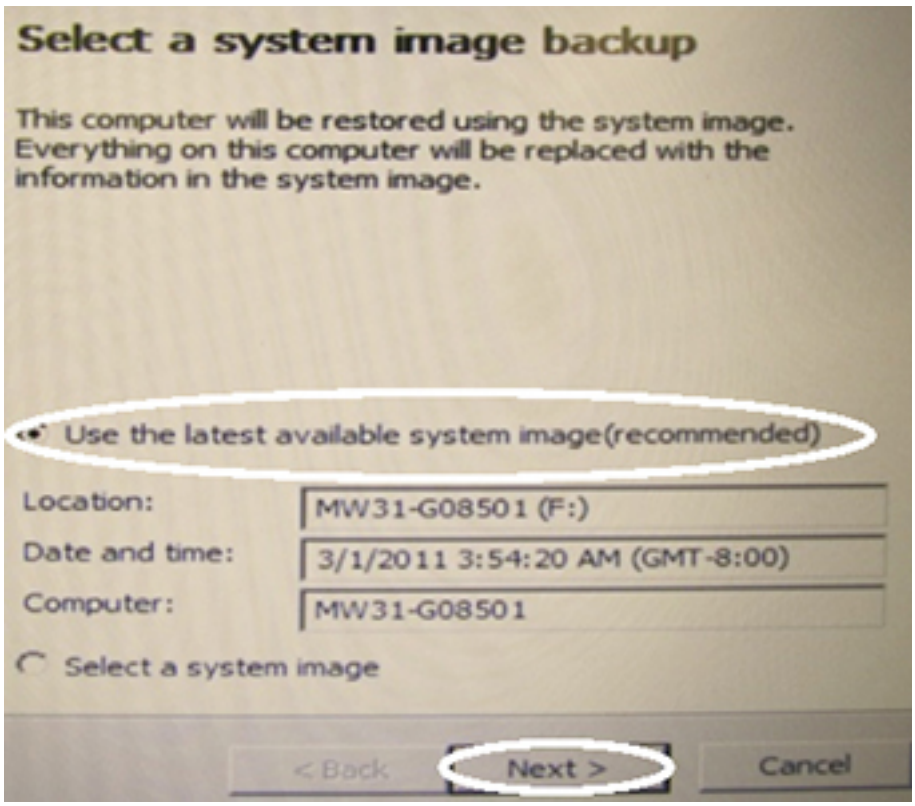
8. Select the correct keyboard layout and click **Next**.

9. Choose the correct option:
   - In case of Dell reinstallation DVD, click **Repair your computer**.
   - In case of the repair disk, select **Restore your computer using a system image** and click **Next**. Proceed to step 12.

10. Select **Use recovery tools...** and **Windows 7** in the **Operating System** field. Click **Next**. If you are restoring to a new/empty hard drive, or if the operating system is not listed for some reason, select **Restore your computer using a system image that you created earlier**, click **Next**, and continue to step 12.
11. Select **System Image Recovery**.

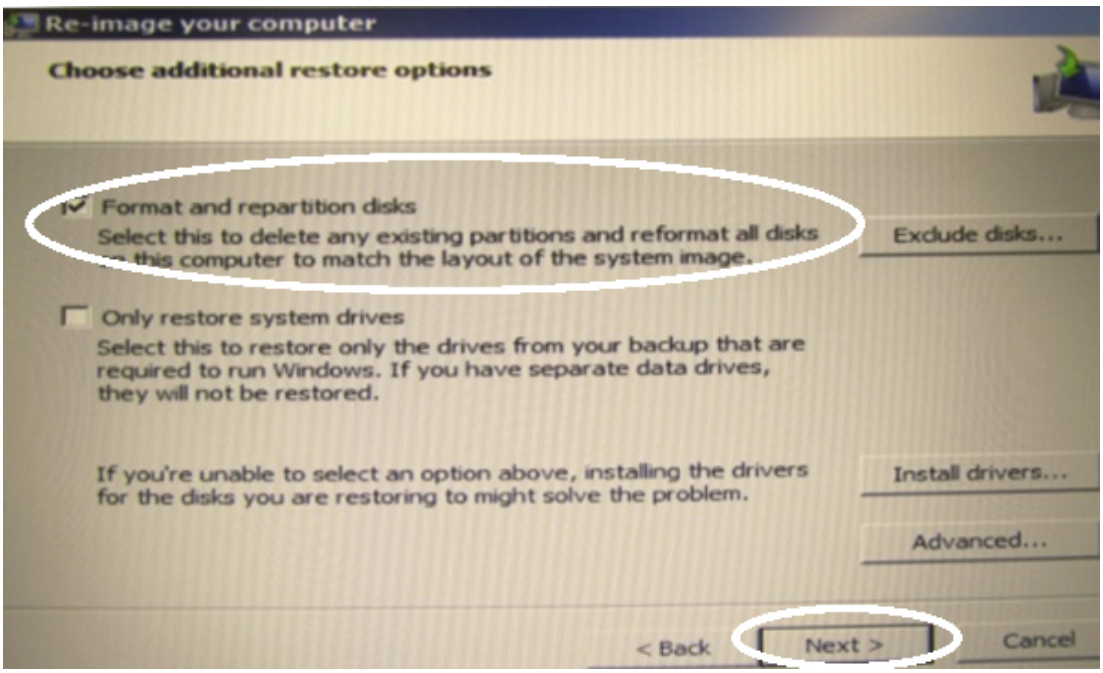


12. Select **Use the latest available system image** and click **Next**.




In the following steps, you can choose between restoring the entire PC (see step 13), or restoring the system disk only (see step 14).

13. Restoring the entire PC:
    Select **Format and repartition disks** and click **Next**.




    The message "Your computer will be restored from the following system image" will be displayed and both C: and D: drives are listed in the **Drives to restore** field. Click **Finish**.

14. Restoring the system disk:
    When restoring only the C: drive, select the **Only restore system drives** check box and click **Next**.
    Only C: drive is listed in the **Drives to restore** field. Click **Finish**.
15. Answer **Yes** to question "Are you sure you want to continue?"
16. Windows starts restoring your computer from the system image and a progress bar is displayed.
17. When the restoring process is finished, click **Restart now** to restart your computer.

After the restart, your computer will use the image you loaded.

# Technical Support

Contact Vaisala technical support at helpdesk@vaisala.com. Provide at least the following supporting information:

- Product name, model, and serial number
- Name and location of the installation site
- Name and contact information of a technical person who can provide further information on the problem

For Vaisala Service Center contact information, see www.vaisala.com/servicecenters.

# Warranty

For standard warranty terms and conditions, see www.vaisala.com/warranty.

Please observe that any such warranty may not be valid in case of damage due to normal wear and tear, exceptional operating conditions, negligent handling or installation, or unauthorized modifications. Please see the applicable supply contract or Conditions of Sale for details of the warranty for each product.

# Recycling

Recycle all applicable material.

Follow the statutory regulations for disposing of the product and packaging.

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