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PowerPlus PC

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Introduction

Welcome to the PowerPlus PC – Seaward’s electrical installation certification software. This software can be used to create a range of electrical installation certificates that comply with BS7671 including certificates issued by trade associations such as NICEIC, ECA and NAPIT.

This software gives you the ability to enter details of tests and inspections directly into certificates through your computer. You can store and either print complete certificates or overprint on to certificate forms. But it really comes into its own when used together with the PowerPlus 1557 test instrument. This breakthrough in electrical installation certification recording moves the whole process of test and inspections of electrical installations to a whole new level.

By taking a system approach to the overall task of testing and inspecting electrical installations the whole process can be made significantly more efficient – saving you time and money. This unique program can transfer certificates with the Seaward PowerPlus 1557 tester – making this system the most advanced electrical installation test and inspection system currently available.

Use Seaward’s PowerPlus 1557 tester to record tests and inspections directly into certificates on site, then transfer the certificates to the PowerPlus PC program running on your computer. In this way you avoid multiple entry of information and eliminate errors – thus speeding up the whole process significantly. Once the certificate is complete, it can be printed on blank paper or you can overprint onto the certificate forms provided by leading trade associations. Because the certificate is stored on your computer you have convenient copies together with installation data that can be used for future test and inspections.

While PowerPlus PC is easy to use, it will be worth your while to spend some time reading through the rest of this User Manual so you can get the most from your new software.
Installing PowerPlus PC Software

Note
Before installing PowerPlus PC ensure no other application programs are running.

Installing PowerPlus PC is easy, simply insert the CD into your CD drive. The program should automatically commence the installation.

Note
PowerPlus PC is NOT suitable for network installations – only the PC/Server where the program is installed will have access to the licence. The certificates can be stored on a network – please see ‘Setting the Certificates Folder’ section for details.

If the CD does not automatically start the program installation, then use Windows Explorer or other file management applications to select your CD drive, double click with the mouse on the setup.exe file to start the installation.

Follow the on-screen instructions.
**Starting the Program**

If PowerPlus PC has been purchased, complete the installation by entering the **Serial Number** from inside the CD ROM case to activate the program – by default this will be on-line via the Internet. If an Internet connection is not available select an alternative activation method and follow the on-screen instructions.

If PowerPlus PC has not been purchased, it can be run in Evaluation mode by selecting **Use PowerPlus PC without registration**. The Evaluation mode will allow full access to the program for a limited time period.

**Setting the Certificates Folder**

PowerPlus PC installs a ‘My Certificates’ folder on the computer as part of the installation and this is used by the program to store your Certificates.

To change the Certificates folder to another location, e.g. on a shared network drive, select **File** then **Set Certificates Folder**… select the relevant folder in the Browse window and select **OK**.

PowerPlus PC can only access and display the Certificates from one Certificates folder at any one time although a number of Certificates folders can be created and switched between.
Setting a Password
If you want to prevent other people from accessing the certificate data, PowerPlus PC can be set to request a Password at Login.

To set up a Password, select Tools then Security and check the prompt box and enter and confirm the Password. When complete select OK.

![Security window](image1)

Figure 1: Security window

Next time you start the program you will be presented with this screen. You must enter the correct password before the program will continue.

![Login with Password prompt](image2)

Figure 2: Login – with Password prompt
**Test Instruments**

Test Instruments calibration can be managed via the Test Instruments window. To do this, select the **Instruments** icon or **Tools** then **Test Instruments** to open the **Test Instruments** window.

![Figure 3: Test Instruments window](image)

To add a test instrument select **Add**.

![Figure 4: Test Instrument data entry form](image)

Select a Test Instrument from the **Type** drop down. The tester’s **Serial Number** is required to register the tester with the program.

To enable Calibration alerts, enter the **Calibration Certificate No**, **Last Calibration** date and **Calibrate every** period. Then Check the **Remind me when this instrument is due for re-calibration**.

Set the required **Start reminders** to be alerted in advance of the Calibration lapsing.
The prompt will be displayed each time you Login to the program until the Last Calibration date is changed so that it is in advance of the Start reminders period.

When complete select **OK**.

Repeat the above for each test instrument to be registered with the program.

**Note**

*It is not necessary to add PowerPlus 1557 testers manually in this way as these testers are added automatically on first Download to the program.*

It is possible to enter other test instruments directly into the Type field rather than select from the drop down to enable other Test Instruments to be included in the program’s Calibration alerts.

Any user entered Test Instruments will not be able to Download or Upload to the program. Only Test Instruments selected from the drop down can interact with the program.
My Organisation

The My Organisation window is launched from the Tools drop down. This window enables you to enter details of your organisation or company including trade association membership details into the program.

![My Organisation data entry form](image)

Figure 5: My Organisation data entry form

The above information will be available in appropriate drop downs when entering data into Certificates. The Logo will used when printing certificates onto blank paper.
Personnel
Personnel and digital signatures can be added to certificates. To do this, select the Personnel icon or Tools then Personnel to open the Personnel window.

![Personnel window](image)

**Figure 6: Example Personnel window**

Select Add to enter the details of each person of your own company or organisation you wish to register with the program.

![Personnel data entry form](image)

**Figure 7: Personnel data entry form**

Enter the relevant Name and Position. To add a Signature, select Browse… to select the relevant digital signature file. A digital signature file is simply an image of the signature. A range of image formats are acceptable e.g. bmp, jpg etc. Select OK to save.

A warning may be displayed if the signature file size is large as this could limit available memory in the PowerPlus 1557 tester if a Certificate containing this signature is Uploaded.

Repeat the above for each person to be registered with the program.
All registered Personnel will be available via drop downs in all the personnel fields across Certificates. When selected the relevant digital signature will be added to the Certificate – if a signature was set for that person.
Navigating the PowerPlus PC Program

The Main Window

Figure 8: The Main window

1. The Certificate Explorer - displays the Clients, Installations, Distribution Boards and Circuits

2. The Certificates panel – displays Certificates available (depending on what is selected in Certificate Explorer) and Certificate contents.

Certificate Explorer
Certificate Explorer displays in a hierarchic format the physical location (Client & Installation) of Distribution Boards and Circuits. This is derived from user entered Certificate information. This hierarchic display enables easy navigation around Certificates.

The New Certificates icon is always available at the top of Certificate Explorer and if selected will display Certificate icons in the Certificates panel. These are the default ‘blank’ certificates available to you.

As you open a New Certificate and enter data relevant to the installation, a tree structure will be created automatically, derived from key information entered into the Certificate – Client, Installation, Distribution Board and Circuits.
Certificates Panel

The content of the Certificates panel is determined by the selection in the Certificate Explorer panel.

Initially only **New Certificates** will be available in Certificate Explorer.

As you create Certificates for installations, Certificate Explorer will build up a Certificate hierarchy.

By selecting any level of the tree structure in Certificate Explorer (Client, Installation, Distribution Board or Circuit) the Certificates panel will display all the available Certificates relevant to the selected level.
Figure 11: Using Certificates Explorer to locate Certificates

Selecting any of these Certificates will open the Certificate in the Certificates panel at the relevant page for editing.

Type
The originating source of the Certificate will be displayed in the Type column.

Description
The test and inspection Certificate type is displayed in the Description column

Status
There are 2 Status conditions. These are Incomplete and Complete. All Certificates are Incomplete until they are deemed completed by you, then their Status becomes Complete.

A Certificate is deemed Complete when a successful Validation has been carried out and you opt to change its Status to Complete.

Once a Certificate’s Status is Complete no further editing of the Certificate will be possible.
Check Status
The Check Status provides information on where the Certificate currently resides and is used to manage Certificate transfers to and from the PowerPlus 1557 tester.

There are several Check Status conditions:
- **Here** means the Certificate was created in the desktop program and hasn’t been Uploaded to a PowerPlus 1557 tester. This Certificate is available for editing (provided its Status is Incomplete).
- **Checked out to File** means that the certificate data has been exported to a file.
- **Multiple** means that parts of certificate are in different places. If you place your mouse pointer over the word, then a bubble with more detail will appear.
- **In** means the Certificate came from a PowerPlus 1557 tester and was Downloaded to the program. This Certificate is available for editing (provided its Status is Incomplete).
- **Out** means the Certificate has been Uploaded to a PowerPlus 1557 tester. This Certificate is NOT available for editing until it has been downloaded to this program, in which case the Check Status would change to In. Upload to another tester is not allowed, to ensure Certificate data is not compromised.

In case of lost tester or for other reasons, it is possible to perform a **Force Check In**. This will check in a Certificate that has been Uploaded and allow editing or another Upload to a different tester. **Force Check In** should not be used unless the previous Upload has been lost or deleted otherwise Certificate data integrity can be compromised. To **Force Check In** a Certificate, select the Certificate and open its context menu (right mouse click) and select **Force Check In**.

Context Menus
All Certificates (displayed in the Certificates Panel) have a right mouse button action. The following actions can be initiated from the right mouse button:

- **New Certificate icons**
  - New
  - Site Survey Forms

- **Existing Certificates**
  - New
  - Open
  - Copy…
  - Edit Reference…
  - Validate
  - Print
  - Upload
  - Force Check In
  - Delete

*Note*
*If the Certificate is currently open not all context menu options will be available*

- **Certificate Tabs**
  - Rename Page
  - Add Continuation Page
  - Delete Continuation Page
Using Certificates

New Certificate
To open a New Certificate, ensure New Certificates is selected in the Certificate Explorer then create a new certificate by double-clicking the relevant New Certificate icon in the Certificates panel. The New Certificate window will be displayed.

Select the Certificate Type, and Sub Type (if applicable). Enter an appropriate Certificate Reference (this need not be the Certificate Number – there is separate field for this available when printing the Certificate) and select OK.

The new Certificate will open the Page 1 tab in the Certificates panel. Other pages are available as tabs including the Certificates tab for a list of Certificates at the currently selected Certificate Explorer level. This will be a blank Certificate of the new Certificate, Certificate Type and Sub Type (if applicable) selected in the preceding window.
Figure 13: Example New Certificate - Page 1

Fill in each page as required and select Save. The Certificate information will automatically generate a hierarchy in Certificate Explorer based on information entered into the Certificate after it is saved.
Use as Template - Single
The information in an existing Certificate can be used to create a new Certificate.

To pre-fill a new Certificate, use Certificate Explorer to locate an existing Certificate. Select the relevant Certificate in the Certificates panel (by clicking on it) then open the context menu (right-mouse click) and select Use as Template, then Single Certificate. A sub menu will pop-out listing the available new Certificates.

![Certificate Options](image)

Figure 14: New Certificate options

Choose a New Certificate from the sub menu. A New Certificate window will be displayed, enter a new Certificate Reference and select OK.

The new Certificate will open and display Page 1 in the Certificate panel.

All fields will be pre-populated, where possible, with installation information from the existing selected Certificate.

Use as Template - Multiple

The information in an existing Certificate can be used to create multiple certificates. This is particularly useful if you have several installations all with the same details. Eg a row of houses that are all built to the same standard.

To create multiple new certificates, use Certificate Explorer to locate an existing Certificate. Select the relevant Certificate in the Certificates panel (by clicking on it) then open the context menu (right-mouse click) and select Use as Template, then Multiple Certificates. A sub menu will pop-out listing the available new Certificates. Choose the correct one, then you will see the following screen.
Figure 25: Multiple Certificates Template

Use this screen to enter the sequence information for both the installation address and the certificate reference number. When you click OK, a set of certificates will be created. Each certificate will have the same Distribution Board and Circuit details as the original.

Figure 36: Result of Multiple Cloning
Open one of these new certificates and you will see that the installation address has automatically been created with the correct house number.

![Figure 47: A Cloned Certificate](image-url)
Continuation Pages

Certain Certificates types require Continuation Pages when Certificate data overflows e.g. Schedule of Circuits and Test Results. When this is the case, the program’s Certificates panel will display this as a continuous stream within the Certificate. When Preview and Print is selected for this situation, the program will divide this overflow data across the necessary number of Continuation Pages.

Continuation Pages can be added at any time as required by some Certificates e.g. for another Distribution Board.

To add a Continuation Page, open the Certificate in the Certificates panel, select a tab and open the context menu (right mouse click) and select Add Continuation Page or select Add Continuation Page from the Certificate drop down.

![Add Continuation Page](image)

Figure 58: Example Add Continuation Page window

Select the type of Continuation Page (selection depending on Certificate type) and enter a Page Name, which must be unique within the Certificate, then OK to complete the action. A new tab with the Page Name and any associated Pages (and tabs) will be created.

To delete a Continuation Page, open the Certificate in the Certificates panel, select the Continuation Page tab that you wish to delete and open the context menu (right mouse click) and select Delete Continuation Page. After confirmation the Continuation Page (and tab) together with any associated Continuation Pages will be deleted.

Certificates uploaded to the PowerPlus 1557 tester will include all Continuation Pages for that Certificate, if they exist.

Certificates from the PowerPlus 1557 tester will contain all associated Continuations Pages, if they exist, and be displayed as described above.

The PowerPlus 1557 tester allows Continuations Pages to be created independently of a Certificate held in the tester. These will be processed correctly when downloaded to the program provided the associated Certificate exists in the currently open Certificate folder.

Find a Certificate

To quickly search for a Certificate by Certificate Reference or Certificate Number use the Find function.
The **Find** function is launched from the Edit drop down or **Find** icon. The following window will be displayed.

![Find window](image)

**Figure 69: Find window**

Enter the **Certificate Reference** or **Certificate Number** and select the appropriate radio button. Then select **OK** to find the Certificate.

**Validating & Completing Certificates**

Certificates can be validated to ensure they have been filled out correctly. To validate a Certificate use Certificate Explorer to locate the Certificate. Select the Certificate and open its context menu (right mouse click) and select **Validate**, this is also available from the **Certificate** drop down. The program will scan the Certificate and display a message indicating the result of the validation check.

A basic validation for Certificates is to ensure all blanks fields have an entry. To enable you to check this quickly there is a **Fill Blanks** feature available from the **Certificate** drop down.

*Note*

*A successful validation is required before the Certificate Status can be changed to Complete*

If the validation was successful, you will be given the option to change the Certificate Status to Complete.

**Copying Certificates**

While a Certificate can be reprinted if necessary, a new Certificate Number cannot be entered when the Certificate’s Status is Complete.

For Certificates overprinted onto a Certificate form provided by a trade association (NICEIC, ECA, NAPIT) this would present a problem.

To record a new Certificate Number for a completed Certificate, the original Certificate can be copied. The new copy will have a Certificate Status of Incomplete, thus allowing editing and entry of a different Certificate Number when the Preview Print tab is selected.

To copy a Certificate, select the Certificate in the Certificates panel, then open the context menu (right-mouse click) and select **Copy…**
Enter a new **Certificate Reference** then select **OK**.

**Note**

*The Certificate Reference is mandatory and unique for each Certificate*

The new Certificate will be added to the Certificates panel. The new Certificate can then be edited, if required, or simply overprinted onto a new Certificate form at which time the new Certificate Number can be entered prior to printing.
Printing Certificates

When a Certificate is open in the Certificates panel, there is a Preview and Print tab. Selecting this tab will display a relevant Print Preference window with the Certificate Reference as a default Certificate Number, this can be changed or confirmed as the Certificate Number when selecting a print option.

Certificate Number

Each Certificate has a Certificate Reference (mandatory and unique to save the Certificate) and a Certificate Number (which becomes mandatory when printing), both can be changed: the Certificate Reference in the Certificates Panel by selecting the Certificate and opening the context menu (right mouse click) and selecting Edit Reference, the Certificate Number in the Print Preference window.

![Figure 21: Example Print Preference window](image)

Having ensured the Certificate Number is correct chose the appropriate print option to generate the Print and Preview.

The Certificate panel will become a full functioning Acrobat PDF Reader with all the features of that program.

For BS7671 and Part P Certificates a full Certificate (with background) will be displayed for printing on to blank paper.

The Print Circuit Chart button will print a summary of all the Distribution boards and circuits.
For trade association Certificates i.e. NICEIC, ECA and NAPIT, the display will only contain information for fields on pre-printed forms for overprinting directly on to the Certificate.

For these Certificates, a window will advise the order that the forms should be loaded in the printer.
Also a Printer Alignment message will normally be displayed (you can opt to not display this message).

**Print Alignment**

Print Alignment may be necessary, to take account of variability in print feed mechanisms when overprinting on to Certificates provided by trade associations (NICEIC, ECA, NAPIT).

Before overprinting Certificates it is recommended that you check and if necessary adjust the printer alignment. This should only be necessary once for each printer you use, although drift may occur as the printer feed mechanism ages.

To check printer alignment, overprint the Certificate onto a blank white page, then place the Certificate form over the top of the blank page print out, hold up to the light so you can see the field contents superimposed on the Certificate form and check all fields are within the designated areas of the form.

If print alignment is necessary, select **Printer Alignment** from the **Tools** drop down to display the following window.

![Printer Alignment Window](image)

**Figure 24: Printer Alignment Window**

Adjust the alignment as appropriate, then check alignment as described above until the print positioning is correct.
**Site Survey Forms**

If the program is used with test instruments other than the PowerPlus 1557 tester, blank Certificates can be printed to take on site to record test and inspections.

To print Site Survey forms, ensure New Certificates is selected in Certificate Explorer then select the appropriate New Certificate. Open the New Certificate context menu (right mouse click) and select **Site Survey Forms**. A further selection will expand displaying the Certificate options available.

*Note*  
*Options will vary depending on Certificate selection.*

Select either the full Certificate or one of the Continuation Pages associated with the chosen Certificate. A Print Preview of the selected Site Survey Form will be displayed in the Certificates panel from where it can be printed or saved as necessary.
Working with the PowerPlus 1557 Tester

One of the most important features of PowerPlus PC software is the ability to transfer Certificates to and from the PowerPlus 1557 tester.

Transferring Certificates from the PowerPlus PC program to the PowerPlus 1557 tester is termed Upload.

Transferring Certificates from the PowerPlus 1557 tester to the PowerPlus PC program is termed Download.

The PowerPlus PC program communicates with the PowerPlus 1557 tester via a Bluetooth connection. A Bluetooth adaptor is supplied for this purpose. Please ensure the Bluetooth adaptor software driver is properly installed and a connection established to the tester before attempting a Download or Upload. Refer to the Bluetooth adaptor and PowerPlus 1557 tester documentation for more information.

Transferring Certificates to test instrument

The Upload is launched from an individual Certificate context menu (right-mouse click). After selecting the appropriate Certificate, open the context menu (right mouse click) and select Transfer Certificate . . .

Note

It is only possible to Transfer a single Certificate at a time. Once a Certificate is uploaded or exported no editing of the Certificate is possible until it has been transferred back into the program.

The Transfer Certificate dialog box will be displayed.

![Transfer Certificate dialog box](image)

Figure 25: Transfer Certificate dialog box

Note that a certificate can consist of several parts. It is possible to transfer each part to a different test instrument. This feature allows several people to work on different parts of the certificate at the same time. Tick the box next to the part you want to transfer. If it is possible to make the transfer then the Upload to Tester and the Export to File buttons will become available.
Click on **Upload to Tester** then the Communications dialog box will be displayed.

![Communications dialog box](image)

**Figure 26: Communications dialog box**

From the **COM Port** drop down, select the COM port provided by the Bluetooth adaptor. Select **OK** to start the Upload.

*Note*

*Only COM ports that are free and available to the program will be included in the COM Port drop down.*

Ensure the PowerPlus 1557 tester’s Bluetooth connection is established to the appropriate **COM Port**, select **OK** to commence the upload action.

The program will request confirmation that the tester is ready to receive the Certificate (See the tester’s Operating Instructions on how to do this). The Upload will commence after this message is acknowledged.

**Downloading Certificates**

**Download** is initiated from the **Tools** drop down or from the **Download** icon. Selecting either of these will cause the Communications dialog box to be displayed.

From the **COM Port** drop down, select the COM port for the Bluetooth adaptor. Select **OK** to start the Download.

*Note*

*Only COM ports that are free and available to the program will be included in the COM Port drop down.*

Ensure the PowerPlus 1557 tester’s Bluetooth connection is established to the appropriate **COM Port**, select **OK** to commence the Download.

Then initiate the Download on the tester. See the PowerPlus 1557 tester’s Operating Instructions on how to commence a Download action.
Transferring Certificates between Computers
The Transfer process is launched from an individual Certificate context menu (right-mouse click). After selecting the appropriate Certificate, open the context menu (right mouse click) and select Transfer Certificate . . .

Note
It is only possible to Transfer a single Certificate at a time. Once a Certificate is uploaded or exported no editing of the Certificate is possible until it has been transferred back into the program.

The Transfer Certificate dialog box will be displayed.

![Transfer Certificate dialog box](image)

Figure 27: Transfer Certificate dialog box

Note that a certificate can consist of several parts. It is possible to transfer each part to a different test instrument. This feature allows several people to work on different parts of the certificate at the same time. Tick the box next to the part you want to export. If it is possible to make the transfer then the Upload to Tester and the Export to File buttons will become available.
From the Transfer Certificate dialog box, select the parts of certificate to be exported and then click on **Export to File** button.

![Save As dialog box](image)

**Figure 28: Export to File dialog box**

Click on Save to store the certificate data in a named file. You can now send this file to another computer where it can be imported.
Importing Certificates

**Import** is initiated from the **File** drop down or from the **Import File** icon. Selecting either of these will cause the Import dialog box to be displayed.

![Import from File dialog box](image)

Figure 29: Import from File dialog box

Highlight the correct file and click on **Open**. The data in that file will now be processed in the same way as if it was being downloaded from a test instrument.
**Differences between Vista and XP**

The main difference to be aware of is in the sequence of events that occur.

With XP:-

1. On the tester select **Data Transfer ➔ Certificate Data**.
2. The connection is made and the tester Bluetooth icon appears.
3. Then you can upload / download certificate data.

But with Vista:-

1. On the tester select **Data Transfer ➔ Certificate Data**.
2. The egg-timer appears but there is no connection made.
3. On the PC select Download and open the Com port.
4. Now the connection is made and the tester Bluetooth icon appears.

**If the Tester Won’t Connect**

Sometimes Vista will re-establish the outgoing COM port and this will occasionally stop the test instrument from connecting to the PC.

To fix this problem right-click on the “Bluetooth Devices” icon in the notification area. Select “Open Bluetooth Settings” and select the “COM Ports” tab. Select the Outgoing port and click “Remove”. The test instrument will now be able to connect.
**Unprocessed Downloads**

To protect Certificate data when Certificates are transferred back and forth to the PowerPlus 1557 tester, there are some situations where some downloaded Certificates cannot be processed as Certificate information could be lost. If this is the case, a warning message will be displayed.

A short comment about the problem is displayed for each item listed. For more information on what might have caused the problem and how to resolve it, click on the error.

After following the advice for each individual problem, the certificate downloads which failed can be processed again. Select the **Unprocessed Downloads** option from the **Tools** menu. From the Unprocessed Downloads, you can process the downloaded certificates which had previously not processed due to a problem.
Backup Manager
Certificates are very important to your business and should any loss occur the consequences would be serious. To reduce this risk, the program has a Backup facility.

Backups and restores are performed by the Backup Manager. The Backup Manager is started by selecting **Backup Manager** from the **Tools** menu.

In order to perform a backup select the **Backup** button. You are then prompted to enter a set of comments which will be displayed against the backup. When a backup is performed the date, time and comments are displayed in the Backup Manager main panel.

![Backup Manager](Image)

**Figure 32: Backup Manager**

When a backup is selected then the **Restore** and **Delete** options are made available. Selecting **Restore** will perform a restore of the highlighted backup. If a certificate already exists when a restore is being performed then a dialog box is shown asking whether the existing certificate should be over-written.

Selecting **Delete** will delete the highlighted backup.
Transferring the program licence to another PC

Once installed the program will be ‘locked’ to that computer and additional installations of the program will not activate with the original Serial Number.

Additional PC Licences are available to activate other installations of the program. Please see the Accessories section at the end of this manual.

It is possible to move the PowerPlus PC licence from one computer to another so that one program is disabled and the other becomes active.

To do this, install the program on the other computer and attempt to activate the program with the original Serial Number. Then simply select Transfer… at the Login window of the original computer to deactivate the original program.

The Transfer… button will change to Restore… to enable the licence to be re-activated if necessary.

Another computer with PowerPlus PC already installed will now be able to run the program by selecting Restore… at its Login window.
To return to the original computer, select **Transfer...** to deactivate the licence. At the original computer select **Restore...** to re-activate the licence and run the program.

The above Transfer process requires an internet connection. If an Internet connection is not available on one or both computers then request a manual transfer by email to transfer@seaward.co.uk include the Serial Number of the program in the email.
Program Specification

The program group consists of:

Seaward PowerPlus PC – program launch
QuickStart Guide – computer copy of QuickStart Guide
Tester Data Transfer Utility – copy of program provided on CD with PowerPlus 1557 tester

The program is fully compatible with the following testers:

PowerPlus 1557
Minimum System Requirements

IBM Compatible PC
Processor Speed 500MHz or higher
Microsoft Windows XP/Vista
32-bit operating systems
512MB RAM
60MB available hard disk space
Colour monitor with 32 bit colour or greater video card
CD ROM drive
## Accessories

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>PowerPlus PC Additional PC Licenses</td>
<td>375A914</td>
</tr>
<tr>
<td>Bluetooth Adaptor</td>
<td>339A910</td>
</tr>
<tr>
<td>PowerPlus 1557 tester</td>
<td>363A912</td>
</tr>
</tbody>
</table>
Warranty and Support

Seaward Electronic Ltd provide a 1 year warranty for this software package (see License Agreement). A pre-requisite for Warranty and Support is that ownership of the product is registered on the Seaward web site; www.seaward.co.uk

Telephone Support is provided free for the first 30 days. To receive Telephone Support after the initial 30 days, a Software Support Agreement would need to be taken out directly with Seaward Electronic Ltd.

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