

Trimble Software

Release Notes

FastTest 2018.0.3

ProDesign 2019.0.1

ProDesign 3D 2019.0.1

Protect 2019.0.1

Single Cable 2019.0.1

Powernet 2019.0.1

mep.trimble.co.uk
01908 608833



We're here to help...

Receive the backing of a unique technical support service from a team of qualified engineers in the industry who understand your business and your specific needs.

If you don't already benefit from our technical support call us now on 0800 028 28 28 or visit mep.trimble.co.uk

Are you already a member?

If you have any queries please contact our PremierCare Support Team on 01908 608833 (selected option 1) or email amtech-support@trimble.com

Activation

To activate your software call 01908 608833.

Training

For information on all our training courses visit the training area of our website at mep.trimble.co.uk/training

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System Requirements

These specifications refer to the minimum specifications across our range of software applications.

Computer (desktop or laptop)

Minimum PC and system requirements are:

- **Processor:** Intel Core i5 processor or better
- **RAM:** Minimum 8 GB
- **Hard Disk Space:** 20 GB free
- **Monitor:** 1366x768 or better (min 256 colours)
- **Network:** 1GB (wireless network connections may reduce performance)
- **Printer:** Must be on the Microsoft 'Hardware Compatibility List' and drivers fully updated
- Mouse
- Internet access required

Minimum PC and system requirements for Trimble ProDesign 3D are as specified by [AutoDesk REVIT](#)

Operating Systems

The following operating systems (with latest updates applied) are supported:

- Microsoft Windows 7 SP1 Home Premium or above (32 and 64 bit)
- Microsoft Windows 8.1 (all editions excluding RT) or above (32 and 64 bit)
- Microsoft Windows 10, version 1607 and above (32- or 64-bit).
- Note: For ProDesign 3D users, please see also Revit system requirements (e.g. 64-bit operating system required)
- Microsoft Windows Server 2008 and above (FastTest network installation)

Prerequisites

- An NTFS file system must be used (not FAT32)
- Our software cannot be installed to a compressed drive
- Antivirus and firewall security software should be disabled prior to the installation
- The installation process is designed to run locally, not over a network

Installation

Desktop installation

See System Requirements for details of supported versions. You will need your licence number.

To install from a download:

- Ensure that you are a local machine administrator.
- Close all open applications, including virus checkers, if running, before starting the installation.
- Download the installer using the link provided. Save the file to your PC.
- Double click on the downloaded file to extract the installation files.
- Setup should start automatically.
- Setup will run. Follow on-screen instructions.

To install from a DVD (only supplied on request):

- Ensure that you are a local machine administrator.
- Close all open applications, including virus checkers, if running, before starting the installation.
- Insert the Trimble Software DVD in your disk drive.
- Setup should start automatically. Setup will run from the DVD. Follow on-screen instructions.

Concurrent Licence Users

Installation instructions can be found in the 'Installation Guides' folder on the installation DVD or information can be found at <http://www.amtech.co.uk/support/documents>.

A new licensing key may be required for your server.

Please contact our Activation Department 01908 608833 or amtech-licensing@trimble.com for further information.

Activating your software

Our software is sold as a single user, single installation licence unless otherwise specified in your licence agreement. The software may be installed and activated on a single computer. Multi-user licence agreements will allow the software to be installed and activated on a specified number of computers.

The software is protected and requires activation before unrestricted use. Before activation there will be full functionality but the message "DEMONSTRATION ONLY" will be printed on all documents.

You will receive reminders to activate the software. However, after 30 days the software must be activated.

How do I activate my software?

Activating your new software is a two-step process

Step 1 - Send your 'Request Code'

The preferred method of activation is to use the 'REQUEST ACTIVATION CODE' button which sends your 'Request Code' to us electronically. An email auto-responder will check to ensure that your company is the registered purchaser of the software and that there is a user licence available. The auto-responder operates 24 hours a day seven days per week, giving prompt response any time of day.

The Activate dialog box may appear at start-up and various other times indicating how many days you have left.

If the dialog box doesn't appear automatically then it can be accessed by going to the 'Support' menu and selecting 'Activate software'

Activate

ONLY PROCEED IF IS LICENSED TO YOU
You have 29 days to activate your software

ACTIVATING YOUR SOFTWARE IS A 2-STEP PROCESS

Step 1

Press the REQUEST ACTIVATION CODE button to continue.

REQUEST ACTIVATION CODE Help

YOUR ACTIVATION CODE WILL BE EMAILED TO YOU

Request Code (for Information)

Step 2

On receipt of the Activation code please copy + paste into the box below and click the Activate Now button.

Activation Code

Amtech can detect illegal use of its software and will take legal action against those who violate the terms of the Amtech Licence Agreement.

Activate Now

Activate Later

Click on the 'REQUEST ACTIVATION CODE' button.

Activation Request

Your unlock code will be sent to the email you specify below.

Please read the License Information and press confirm to continue. On pressing confirm, an activation request will be sent via the Amtech Web site.

Whilst you should receive the unlock code within several minutes, please allow 2 hours before requesting the code again.

Email Address

License Information:
Amtech software is sold as a single user, single installation licence unless otherwise specified in your licence agreement. The software may be installed and activated on a single computer. Multi-user licence agreements will allow the software to be installed and activated on the specified number of computers.

ONLY PROCEED IF IS LICENSED TO YOU

Cancel Confirm

On pressing the 'Confirm' button an activation request will be sent via our website. The email response will be sent to the address entered on the Activation Request dialog.

Users who are unable to activate electronically may call the Activation Hotline on 01908 608833 (Monday to Friday 9am – 5pm). A support representative will undertake the security checks manually and then, if appropriate, authorise and issue an unlock code.

Please note: that manual activation process may take several minutes. We strongly suggest that you use the email method if possible as the process of dictating and recording a long code by phone is open to transcription errors.

Telephone calls are recorded to help prevent fraud.

Step 2 - Receive your 'Activation Code' and activate your software

Check your email inbox. If you have not received your activation code by email after a few minutes then check your email system's junk/spam inbox in case the message has been re-directed to there. When you receive your 'Activation code' you must enter this into the lower box. Use copy and paste functions if possible to eliminate transcription errors.

If you have received your activation code by phone enter it into the lower box. Be sure to type it accurately. The majority of the support problems relating to activation are due to incorrectly recorded or mistyped activation codes.

Then click on the 'Activate Now' button to complete the process.

Software Upgrade

This booklet is designed to outline the changes to your software. Further details can be found in the software help system and electronic manual. These can be accessed via the software 'Help' menu.



Welcome to the ProDesign Online Help
The place to find user information, FAQs, and more

About ProDesign

The ProDesign software gives you the following:

- Fast, accurate design calculations to *BS 7671:2018*
- Produce schematic drawings quickly and easily
- 'What if' scenarios—try different ideas with a click of the mouse
- Verify existing sites to comply with industry standards
- Comprehensive range of high quality reports
- Extensive import and export:
- Save reports and schematics as PDF files

Where Do I Begin?

- [18th Edition and what's new](#)
- [Installing ProDesign](#)
- [Frequently asked questions](#)
- [Glossary](#)
- [Trimble Training](#)
- [Trimble PremierCare](#)
- [End User License Agreement](#)

Automatic Updates

Our software can automatically check whether a suitable web update is available. If an update is available then the automatic update feature will offer to download and install it for you. Our Automatic Update feature is available in all desktop software products (i.e. non Mobile products).

We recommend checking for updates as soon as you have installed your software. You can initiate an update check at any time by selecting the 'Support' menu, selecting the 'Check for Updates' option and clicking on the 'Check Now' button.

In order to be quickly informed of any appropriate web updates for your software in the future you should ensure that the 'Check for Updates' feature is always enabled.

The software allows separate updates of data and software giving customers the ability to have more frequent data updates.

Availability of Web Updates

In order to be able to receive a web update you must have:

- A current PremierCare agreement for the specific application
- Registered your software on our website
- Internet access

Technical Assistance

Our Technical Support offers a support tool which allows Support Engineers to view and control users' machines remotely with their permission.

All our applications have a menu option link to the Support web page, which has a direct link to the Assistance login page.

Product Update

FastTest (Patch 3)

FastTest is an Inspection and Testing electrical certification software solution. That is very easy to use, the certificates on screen are exactly like the paper ones on your desk, simply fill in the certificate on screen and print it out.

For a summary of all the updates made to FastTest, please see the list below.

Issue Type	Summary	FastTest
Improvement	RCD title on test results 18th Edition The RCD column for the UI and reports has been renamed from $I_{\Delta n}$ to Disconnection Time(ms)	✓
Fix	Minor Works RCD test button issue Correct UI to reflect what is produced on the master certificate after closing and been re-opened.	✓
Fix	Validation throws up D=distribution and F=Fail errors Removed a previous validation check that is not applicable	✓
Fix	18th edition cert opens a blank 16th edition minor work when opened Corrected an issue when opening 18 th Edition minor works certificate, as a 16 th Edition minor works.	✓

For more information on FastTest please visit our website:

<http://mep.trimble.co.uk/fasttest>

Trimble ProDesign 2019 (Patch 1)

2019 Patch 1

Cloud Services

With the Release of ProDesign 2019, Patch One we have made some changes to the software that will help to improve your workflow and allow you to get those critical calculation updates without the need for a whole new install of the software.

The way that we have achieved this is by making available our calculation algorithms in the cloud and local on your machine. If you use the clouds services you will be able to get the latest calculation updates as soon as they are available from Trimble. These can be found on the following [webpage](#). The advantage of the this is you will not need to update your application with a patch installer, unless you only want to work on the local version of the calculation.

If using the Cloud services you will need to create a Trimble Login that will give you access to both the Calculation Services and [Trimble Connect](#) (if you have an account). For information on creating a [Trimble Account](#) see [here](#).

Reports

In this release we have moved away from Crystal Reports and ProDesign will now use the Trimble Reporting system. The advantage with using the Trimble reporting system is that our reporting system will no longer clash with other applications that also uses a different Crystal Reports version. The other advantage of moving to the Trimble Reporting system is that it will allow us to manage the data on the report more effectively. This change will also future proof our report system so that it can both be moved to the cloud and allow us to adapt to customer needs in the future.

With this update we have also included two new reports for the Modular Board.

Modular Distribution Board Schedule

Project Reference:

Job Number:

Created By:

Gvebste

Rev Date:

Document No:

Created On:

20/11/2019

Revised By:

Revision:

Modular Board Data

Id No:

MB-1

Model No:

Number of Rails:

6

L1

L2

L3

Name:

Fault Rating (KA):

0

Space Units per Rail:

12

Total Connected Load (A):

57.95

57.95

57.95

Board Rating (A):

0

Total Space Units Available:

72

Total Diversified Load (A):

57.95

57.95

57.95

Income Information

CPD Type:

Generic, BS 88-2, Fuse, System E

Device Rating (A):

63

Location:

R1C1-12

Cable:

N/A

Cable Size (mm²):

N/A

Space requirements for devices inside the Modular Board	Space units taken for Level 1	Space units taken for Level 2	Space units taken for Level 3	Space units taken for Level 4	Space units taken for remaining levels	Space units taken for inactive output	Total Occupied space units	Remaining space units / %	Total space units available
	12	6	12	0	0	3	33	39 / 54.17%	72

Level	Overcurrent Protective Device Earth Fault Protective Device Arc Flash Protective Device	Rating In Adjusted Ir (A)	RCD (A)	AFDD (A)	Circuit Id Name	Location Space Units	Load Type	Cable Type	Phase Size (mm ²)	CPC Type	Cable Config	L1 (A) PF	L2 (A) PF	L3 (A) PF	Diversity rating	VD Max / %	Errors
Level 1 Parent	Generic, BS 88-2, Fuse, System E N/A N/A	63 N/A N/A	N/A N/A N/A	N/A N/A N/A		R1C1-12 12	N/A	N/A	N/A	N/A	N/A	58.0 0.95	58.0 0.95	58.0 0.95	N/A	N/A	N/A
Level 1 Child	Generic, BS 88-2, Fuse, System E N/A N/A	50 N/A N/A	N/A N/A N/A	N/A N/A N/A	Cbl_IB-1	R2C1-3 3	N/A	Single-core 70°C thermoplastic non- arm Cu 401	16 1.5	Separate	1 x 4 x 1c	39.6 0.88	39.6 0.88	39.6 0.88	N/A	0.02 / 0.01	No
Level 1 Child	Generic, BS 88-2, Fuse, System E N/A N/A	20 N/A N/A	N/A N/A N/A	N/A N/A N/A	Cbl_IB-2	R3C1-3 3	N/A	Single-core 70°C thermoplastic non- arm Cu 401	16 1.5	Separate	1 x 4 x 1c	20.0 1.00	20.0 1.00	20.0 1.00	N/A	0.01 / 0.01	No
Level 2 Parent	Generic, BS 88-2, Fuse, System E N/A N/A	50 N/A N/A	N/A N/A N/A	N/A N/A N/A	Cbl_IB-1	R2C1-3 3	N/A	Single-core 70°C thermoplastic non- arm Cu 401	16 1.5	Separate	1 x 4 x 1c	39.6 0.88	39.6 0.88	39.6 0.88	N/A	0.02 / 0.01	No
Level 2 Child	Generic, BS 88-2, Fuse, System E N/A N/A	50 N/A N/A	N/A N/A N/A	N/A N/A N/A	Cbl_FC-10-FCM-1	R2C4-6 3	Motor, DOL three phase	Single-core 70°C thermoplastic non- arm Cu 401	2.5 1.5	Separate	1 x 3 x 1c	19.8 0.88	19.8 0.88	19.8 0.88	1.00	1.45 / 0.63	No
Level 2 Child	Generic, BS 88-2, Fuse, System E N/A N/A	50 N/A N/A	N/A N/A N/A	N/A N/A N/A	Cbl_FC-11-FCM-2	R2C7-9 3	Motor, DOL three phase	Single-core 70°C thermoplastic non- arm Cu 401	2.5 1.5	Separate	1 x 3 x 1c	19.8 0.88	19.8 0.88	19.8 0.88	1.00	1.45 / 0.63	No

Project:

Untitled1.p1bx

Created using:

v2019.0.1.1072 BS 7671:2018 - Demonstration Only

Page 1 of 2

Printed on:

20/11/2019

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Additional Updates

For a summary of all the updates made to ProDesign 2019, please see the list below.

Type	Summary	ProDesign	ProDesign ME
Improvement	Distribution board reports do not print if defined or estimated loads are defined Distribution boards now print if the no final loads are attached to the board and it is set to Define Load or estimated load.	✓	✓
Improvement	Cable Analysis Ib '(A/Pf) box' fails to detail >999Amps Resolve an issue on the cable Analysis report if 'Ib' is over 999Amps.	✓	✓
Improvement	PD submain (No Protection) circuit Cable report was displaying incorrect Protective device on Cable Analysis report Resolve a issue if a Submain Cable had no Protection was not displaying the correct information, this now display the upstream protective device	✓	✓
Bug	Protective device settings report does not show all devices All devices are now displayed on Protective Device setting report.	✓	✓
Bug	Unable to produce Load Schedule reports for specific sides of a switch board This Issue has been resolved with the update to the new Trimble report system.	✓	✓
Bug	Source Report - TT details overlap This Issue has been resolved with the update to the new Trimble report system.	✓	✓
Improvement	Volt drop load reports do not display on the first page This Issue has been resolved with the update to the new Trimble report system.	✓	✓
Improvement	Updates made to the BOQ report With the update to the Trimble Report System we have improved the way that we display, and count quantise in the BOQ reports as well as considering Inactive electrical equipment in the project.	✓	✓

Some of these changes can be seen by visiting our website: <http://mep.trimble.co.uk/prodesign>

Trimble ProDesign 3D (Patch 1)

2019 Patch 1

ProDesign 3D also, allows you to use the new cloud services for the calculation, for more information on this see [Trimble ProDesign 2019](#)

Additional Updates

For a summary of all the updates made to ProDesign 3D 2019, please see the list below.

Issue Type	Summary	ProDesign 3D	ProDesign 3D ME
Fix	Circuits shown incorrectly in Circuits view for 3 phase boards Resolved an issue due to a Revit API change for moving circuits in Three phase boards which caused the ProDesign 3D UI to not display the board as expected.	✓	✓
Fix	Resolve circuits for Single Phase board Resolved an issue due to a Revit API change for moving circuits in single phase boards which caused the ProDesign 3D resolved circuit feature to not work as expected.	✓	✓

For more information on the features identified, please see the relevant section within the help file.

Protect (Patch 1)

Protect is so easy to use, you don't need to be a protection expert to use it. The software contains a database with data on thousands of protective devices. This is data direct from, and approved by, leading manufacturers so you can be confident in its accuracy. This is particularly important as so many adjustable breakers are being used these days – it is essential to get these set correctly at the outset. Nobody wants to revisit jobs to sort out nuisance tripping that could so easily have been avoided at the design stage.

Protect also, allows you to use the new Trimble ID, for more information on this see [Trimble ProDesign 2019](#)

For more information on Protect please visit our website:

<http://mep.trimble.co.uk/protect>

PowerNet (Patch 1)

A powerful graphical short circuit analysis program for the calculation of short circuit currents to IEC 60909 and BS 7639. PowerNet deals with fault currents in both High and Low Voltage distribution systems. Quick and easy to use it enables studies to be carried out cost effectively on new and existing systems.

No changes have been implemented to this software.

For more information on PowerNet please visit our website:

<http://mep.trimble.co.uk/powernet>

Single Cable (Patch 1)

SingleCable is a cable calculation software that is extremely simple to use and provides results in seconds, whether the cable is a sub-main feeder or final circuit. Once calculated, the program also enables you to look at the results for the next cable size larger or smaller, and the same facility is available for the protective device. This is most useful for looking at 'what if' situations, a luxury not available when doing calculations manually.

SingleCable also, allows you to use the new cloud services for the calculation, for more information on this see [Trimble ProDesign 2019](#)

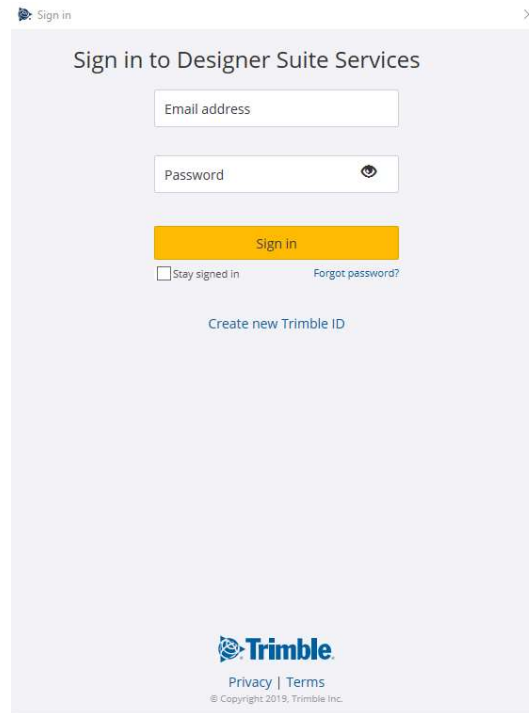
.

For more information on SingleCable please visit our website:

<http://mep.trimble.co.uk/singlecable>

Create a Trimble Login ID

When you first open the ProDesign, SingleCable, Protect or ProDesign 3D software, you are prompted to sign into the Trimble Login Screen.

A screenshot of the Trimble login window titled "Sign in to Designer Suite Services". It features a "Sign in" button in orange. Below the button are links for "Stay signed in" and "Forgot password?". At the bottom, there is a link to "Create new Trimble ID" and the Trimble logo with "Privacy | Terms" and "© Copyright 2019, Trimble Inc." text.

Enter your Trimble Login information as required, if you don't have an account yet select "Create new Trimble ID". Fill in your details and follow the instructions on this screen.

Note - Select the Stay signed in check box so next time you don't have to sign in again.

Once you are signed in, note that your user name appears in the toolbar to confirm you are signed in. You will also have access to Trimble Connect if you have an account.



Log out

To log out of the Trimble ID, select your user name or the downward arrow as shown above. This displays your user email address and a Sign Out button. Click Sign Out.

Note - If you do not create an account, you will not be able to use our new Trimble Services.

What are Trimble Services?

ProDesign is moving towards being a cloud-based service application as is all our software. This is to help ensure that you have access to the latest updates of the software without needing to install a new version or patch for the software. If you don't want to use the new Trimble Services and instead want to use the local calculation, see Application Settings / Calculations in the help file.

Content Data update

Automatic data updates are user defined within the 'Check for Updates' tab under 'Application Settings'. Once applied, a check will be made for a new package upon every launch of the application. If a new package is found, you will be prompted to install it now or later. Once installed, the application will be restarted.

Manual data updates are run at users' discretion. If your application is not set to automatically check for data updates, you can manually check by going to the 'Check for Updates' tab under 'Application Settings' and clicking 'Check Now'. If a new package is found, you will be prompted to install it now or later. Once installed, the application will be restarted.

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