



Trimble Software

Release Notes

September 2022

ProDesign	2021.0.19
ProDesign 3D	2021.0.19
Protect	2021.0.19
SingleCable	2021.0.19
PowerNet	2021.0.0

Introduction

Welcome to the latest release of the Trimble ProDesign suite of products incorporating ProDesign, ProDesign 3D, Protect, SingleCable and PowerNet.

This short document summarises the latest improvements, bug fixes and new features that are included in the latest versions of the products.

We are here to help

Our technical support service is provided by a team of qualified engineers who understand your business and your specific needs. PremierCare membership provides you with access to our engineers.

Already a member?

If you have any queries, please contact our PremierCare Support Team on +44 (0)1908 608 833 (select option 1 and then option 1 again) or email amtech-support@trimble.com

Become a member

If you don't already benefit from our technical support, please call us now on +44 (0)1908 608 833 (selecting option 1) or visit mep.trimble.co.uk

Activation

To activate your software, please call +44 (0)1908 608 833 (select option 1)

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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Product Overview

ProDesign

Our comprehensive, engineer-friendly 2D design and calculations solution. Ideal for projects of any size. Trusted by UK engineers and contractors for over 25 years, this highly accurate software provides electrical designers with a full suite of multi-region compliant calculations to BS, IEC, ADDC, DEWA, NEN and VDE standards and regulations.

ProDesign 3D / Stabicad Electrical

ProDesign 3D takes trusted ProDesign functionality and applies it to the 3D world. Originally built as a standalone application, ProDesign 3D is now also fully integrated into Stabicad Electrical.

This powerful combination of design and engineering software brings together Stabicad's drawing tools and extensive Revit families & symbols with ProDesign 3D's comprehensive circuit and containment calculations, Revit cable auto-routing and full circuit management tools.

Engineers and contractors are able to improve electrical design and engineering efficiency through streamlined and connected workflows, up-to-date manufacturer content and multi-region compliant calculations – all within a single solution. Furthermore, with both Stabicad Electrical and Stabicad Mechanical within the Trimble MEP portfolio, our software can support your entire MEP digital design workflow.

Protect

You don't need to be a protection expert to use Protect. The software contains a database of thousands of protective devices. The database is curated from and approved by leading manufacturers - so you can be confident in its accuracy. Protect helps prevent nuisance tripping by helping users to get it right at the design stage.

SingleCable

Simple to use cable calculation software, providing results in seconds - irrespective of whether the cable is a sub-main feeder or final circuit. Once calculated, the application also enables you assess the results for the next cable size larger or smaller - this same facility is also available for the protective device. These features provide valuable and quick insight into 'what if' scenarios – a labour intensive and time-consuming process when calculating manually.

PowerNet

Powerful graphical short circuit analysis application used to calculate 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.

Our software applications are moving to subscription licenses, ensuring that users can seamlessly enjoy the latest features and updates.

If you haven't already moved to a new subscription license and would like to understand how it compares to your current PremierCareXtra Support & Maintenance contract, please contact a Trimble MEP sales representative on +44(0)1908 608 833.

There is no need to wait until your existing agreement is due for renewal as you can use your existing support contract as credit towards a new subscription licence.

ProDesign and ProDesign 3D (Version 2021.0.19)

New Features:

- [MEPEL-6343] – ProDesign now supports BS 7671:2018 Amendment 2 (BS 7671:2018+A2:2022) regulations.
 - ProDesign users will now be able to upgrade their existing projects to new BS 7671:2018+A2:2022 regulations
 - ProDesign allows users to perform calculations with either Amendment 1 or Amendment 2 regulations
 - ProDesign reports will indicate RCD and AFDD requirements according to the BS 7671:2018 Amendment 2 requirements

Improvements:

- [MEPEL-6389] - Custom report option now include the following parameters:
 - Cable Energy Loss (W) - Design Current
 - Cable Energy Loss (W) - Fully Loaded
 - 80% Max Zs for Device Cmin (Ohms)
- [MEPEL-1440] - Improved the consistency of protection option selection on distribution boards and consumer units.
- [MEPEL-6843, 6647, 6648] - Close Coupled Connection of SPD on Consumer Unit, Switchboard, Distribution Board and Modular Board

Resolved Bugs:

- [MEPEL-2797] - Fixed an issue with modular board settings window where connection was getting established between SPD/PFC and main incomer from different rails
- [MEPEL-6169] - Fixed an issue with final circuit motor settings with different starter positions
- [MEPEL-5894] - Improved the performance of cable type search and selection
- [MEPEL-6220] – Fixed the application instability issue while working with busbar components
- [MEPEL-1434] - Fixed an issue that was with diversified and connected load value calculations
- [MEPEL-4283] - Fixed an issue that resulted an error while importing older SC model
- [MEPEL-6168] - Fixed an issue that resulted in different Quick Results Value for Zs in different reports.
- [MEPEL-1442] - Resolved an issue with the consumer units picking up unwanted sections
- [MEPEL-6584] - Resolved the issue of incorrect page numbers being in displayed in cable calculation report
- [MEPEL-6043] - Resolved an issue that resulted in an incorrect error message regarding the earth fault disconnection limit.
- [MEPEL-6545] - Resolved an issue which fixed the appearance of conductor impedances.
- [MEPEL-3762] - Resolved an issue related to the overload setting (set max) for the right-hand interconnector device but there was no actual load on it.

- [MEPEL-4036] - Fixed an issue which caused the appearance of a duplicate option in the manufacturers list.
- [MEPEL-6324] - Fixed an issue where volt drop report does not show value when SPD was present in the circuit.
- [MEPEL-2232] - Fixed an issue where the incomer position in Switchboard was not getting set in different sections
- [MEPEL-6328] - Fixed an issue that resulted in an incorrect error with tap-off circuits
- [MEPEL-3235] - Fixed an issue that resulted an error when calculating with 400 board project with the dutch version of the software
- [MEPEL-2738] - Fixed the stability issues identified with custom report templates
- [MEPEL-6349] - Fixed the issues with lighting column updates and distribution boards.
- [MEPEL-6686] - Resolved the inconsistency of opening the application which was present with ME Flex licences
- [MEPEL-6457] - Resolved the issue which was resulting in an inactive spacing option with grouping option
- [MEPEL-6182] - Resolved an issue that caused changing id values of components connected to a busbar when its size gets changed
- [MEPEL-2866] - Resolved a bug which resulted in an absence of change indicator
- [MEPEL-1564] - Resolved an issue that resulted in power factor correction unit not showing the option to select either TP or TPN within the unit
- [MEPEL-6410] - Resolved the issues which were resulting in incorrect display values of devices
- [MEPEL-6471] - Improved the NAPIT FastTest file import functionality to show appropriate error to the user in case of issues with importing

As part of our commitment to the ongoing evolution of ProDesign, we have also included a number of behind-the-scenes performance, reliability and security improvements.

Some of these changes can be seen by visiting our website:

<https://mep.trimble.com/en-GB/products/prodesign>

Product Updates

Protect (Version 2021.0.19)

This release incorporates a number of behind-the-scenes performance, reliability and security improvements.

Resolved Bugs:

- [MEPEL-3351] - Resolved an issue where the inrush hatching and damage point was failing to move when the voltage was adjusted.
- [MEPEL-4497] - Resolved an issue where the InRush graph and damage point were failing to move according to the voltage adjustments.
- [MEPEL-2162] - Fixed the issue that resulted in an unexpected behaviour of annotation.
- [MEPEL-6172] - Fixed the bug that was causing the intermittent crashing of Print option

For more information on Protect please visit our website:

<https://mep.trimble.com/en-GB/products/protect>

SingleCable (Version 2021.0.19)

This release incorporates a number of behind-the-scenes performance, reliability and security improvements.

New Feature:

- [MEPEL-6343] – SingleCable now supports BS 7671:2018 Amendment 2 (BS 7671:2018+A2:2022) regulations.

Resolved Bugs:

- [MEPEL-6291] - Resolved an issue due to which Single Cable BS88 fuse was not being shown on report correctly.
- [MEPEL-6322] - Resolved a reporting error which resulted in incorrect information shown on the SingleCable Summary report.

For more information on SingleCable please visit our website:

<https://mep.trimble.com/en-GB/products/singlecable>

PowerNet (Version 2021.0.0)

No new updates have been issued for this software since version 2021.0.0

For more information on PowerNet please visit our website:

<https://mep.trimble.com/en-GB/products/powernet>

Updating your Software

Software Update Notifications

The ProDesign suite of applications will notify you when a suitable update is available. If an update is available, you will be presented with a yellow banner or a notification in the Notification Centre depending on your current version. Click on this to view the available updates.

Manually Checking for Updates

It is also possible to manually check for updates - we recommend doing this as soon as you have installed your software. You can initiate an update check at any time by following these instructions:

ProDesign, SingleCable and Protect

In versions up to and including 2021.0.10, select the 'Home', then 'Support' menu, selecting the 'Check for Updates' option and clicking on the 'Check Now' button.

Versions 2021.0.11 onwards now perform an automatic check for updates when starting the application.

ProDesign 3D

Select the 'ProDesign 3D' ribbon in Revit, then 'Application Settings' menu, then select the 'Check for Updates' option and click on the 'Check Now' button.

Availability of Web Updates

Updates are only available to users who have:

- Internet access
- An active Trimble MEP product/service subscription or a current PremierCare agreement for the specific application
- Registered your software on our website

LM Tools (Concurrent) Licence

From version 2021.0.14 onwards, clients running a concurrent Licensing system will need to update their Licence Manage Application (LM Tools) to version 11.18.

Technical Assistance

Our Technical Support team use a support tool which allows them to view and control users' machines remotely. This is only ever undertaken with the user's permission – and while being supervised by the user.

Our applications have a menu option link to the Support web page containing details of this assistance should it be required.

Important information for all users

All Trimble software that makes use of online services (including those used for updates) requires use of Trimble Identity. This is our way of helping ensure a secure and reliable service for our customers.

Continuing to invest in delivering best-in-class, reliable and secure systems, Trimble has updated Trimble Identity (TID), the method used to log in when using ProDesign, SingleCable and Protect as well as other products from the Trimble MEP portfolio.

As a result, our software products have been updated to make use of the new and improved Trimble Identity.

The 2021.0.5 release (17 May 2021) of ProDesign, SingleCable and Protect was the first version of the respective applications to make use of this new Trimble Identity (TID) functionality.

To ensure continued access to our services (including the latest calculations, reports and circuit management functionality), it is important that customers have upgraded to **at least** the 2021.0.5 version.

This updated version of Trimble Identity includes multiple security and user experience features including:

- Two-factor authentication - providing a second layer of security to protect your company's information from malicious threats
- Single Sign-On (SSO) - enabling users to log into just one application while enabling access to other applications - improving efficiency while keeping data secure.
- Social Sign-In – using Google and Apple authentication to provide a quick and simple registration and login process.
- Ability to easily change the email address associated with your TID

Please note: separate updates for 2019 and 2020 versions of ProDesign, SingleCable and Protect are also available from the usual Support download locations.

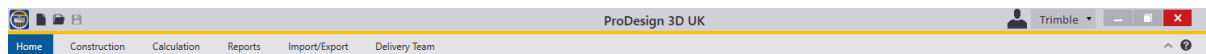
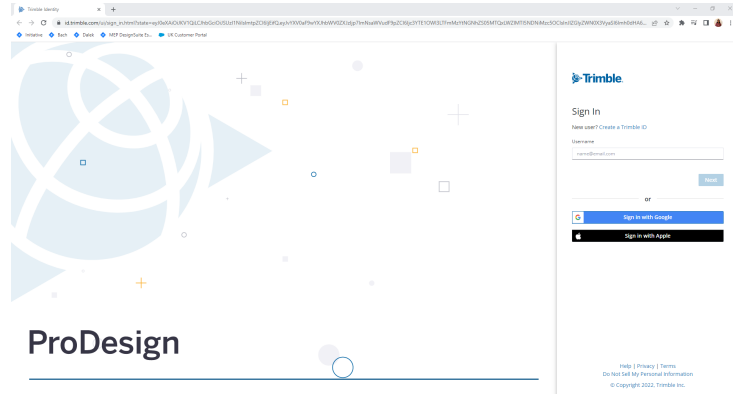
Since 30 August 2021, any users with 2021.0.4 (or pre-TID update versions of 2019 and 2020) will be unable to make use of online services.

Logging In

When you first run ProDesign, SingleCable, or Protect, you will be presented with the Trimble Identity login screen.

This login screen will open inside your default internet browser (Edge, Chrome etc.).

Enter your Trimble ID 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.



Once you are signed in, your username appears to the right of the toolbar (next to the person icon) to confirm you are signed in. This also provides access to Trimble Connect if you have an account.

Logging Out

To log out of the Trimble ID, select your username 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 a Trimble Identity account, you will not be able to use some features including the latest calculations, reports and circuit management tools.

System Requirements

Minimum Specifications

These specifications refer to the minimum specifications required to use the ProDesign suite of products.

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
- Reliable Internet access will be required for some functionality

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 10, version 1909 and above (32- or 64-bit).
 - Note: For ProDesign 3D users, please see also Revit system requirements (64-bit operating system etc.)

Additional Requirements

- NTFS file system required - not FAT32
- ProDesign suite applications must not be installed on a compressed drive
- Occasionally some users may encounter issues with particular configurations of antivirus and/or firewall software
- ProDesign suite applications are designed to install locally, not over a network

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