

Release Notes GC-Prevue v14.2

Table of Contents

- NEW FEATURES..... 2**
 - JAPANESE LANGUAGE VERSIONS 2
 - COLLAPSE AND EXPAND ALL PHYSICAL LAYERS 2
 - COMBINE LIKE LAYERS 2
 - COPY AND PASTE LAYERS..... 2
- ENHANCED FEATURES..... 2**
 - TIME LIMITED GC-PREVUE..... 2
 - ON LINE HELP..... 2
- ITEMS FIXED SINCE V14.1.2 3**

New Features

Japanese Language Versions

The first release of GraphiCode products in Japanese is now available. Also, in order to improve the overall robustness of the products, GraphiCode has also built a Traditional Chinese version. Previously, users in Taiwan relied on a third party application to provide translation tools and there were a number of issues with this third party software that caused incorrect behavior, particularly when importing Gerber data.

Collapse and Expand all Physical Layers

An option in the right click pop-up window for All Physical Layers now collapses or expands all physical layers in order to aid layer management.

Combine like layers

An option in the right click pop-up window for All Physical Layers or for individual Physical Layers combines layers to minimize the number of data layers within a Physical layer. For example all positive layers will be combined into a single positive layer unless they are separated in the layer stack by a composite or negative layer. The same applies to composite and negative layers separated by a positive layer. Care must be taken to understand any interactions that may occur with internal polygons following the Combining of layers.

Copy and Paste Layers

You can now copy and paste layers using right click menu items in the GC-Explorer dialog.

Enhanced Features

Time Limited GC-Prevue

This version of GC-Prevue (v14.2.2) and future versions of GC-Prevue will have a lifespan of 1 year. After that period GC-Prevue will no longer work but updated versions of GC-Prevue will always be available free of charge at GraphiCode's website. This change is to avoid a number of support issues that arise solely because users are using a version of GC-Prevue that contains problems that have subsequently been fixed.

On Line Help

As always the On Line Help has been updated to include these new and enhanced functions.

Items Fixed since v14.1.2

This list is customer reported issues fixed for this release.

#3515 Updated riched20.dll that is shipped with the PowerPlatform and Prevue installer.

#3514 Added a message to remind users of upcoming expiration of the product (see above).

#3501 Now correctly recognize the G74 command in an RS-274-X formatted file if the G74 command occurs on the same line as the Format command.

#3484 Updated the draw engine and polygon handling algorithm to handle cases where the polygon overlaps itself. There are certain cases where the overlapping polygon is intended to create an opening and others where the intent is a solid fill. Both cases are now handled.

#3481 Can't properly recognize format when LZ and TZ statements are used. This bug only appears when the format finding code has found and parsed a valid header file that includes the LZ or TZ statement.

#3471 When creating and copying empty data layers and physical layers strange behavior was seen where empty layers disappeared. The layers attempted to self-copy themselves and problems arose because the layers were empty.

#3435 Created a Consolidate Layers function (see above).

#3426 Added a "retain file extension" checkbox to the Tools/Customize/Settings dialog which acts in conjunction with the "Populate layer name" setting; also modified the physical, drill, and unassigned layer property pages (as well as the drill rack, probe table, and aperture table property pages) so that the "Source File" field is now a read-only field rather than a disabled field; this allows the user to scroll the file name from front to back and to copy its contents but not modify the field.

#3420 The Tool Table Assistant is once again automatically invoked when a Drill Rack file type is specified.

#3413 We now load drill tables without a file extension. Previously an extension needed to be added in order to correctly load the file.

#3394 The drill input module now ignores the command M02X0Y0 (which, if processed, would generate a duplicate step and repeat); however, the module no longer resets the pattern origin in this case as it does when it encounters an M02 command by itself.

#3329 Added right-click Copy/Paste to GC-Explorer (see above).

#3297 Added a function on the right click menu to expand all layers and collapse all layers. Also, when the GC-Explorer window is called (double click a layer) that the size of the window is remembered.

#2897 Add new keywords (Trim, Lengthen, Gerbers, Clip) to Help Project to aid in successful search results.