Support Document

Setting up PowerSHAPE Defaults

Tested in PowerSHAPE 2011

PowerSHAPE has changed the way the system defaults are stored. The old method of creating a master model file still exists but the new way is to save all the settings using a stored settings option. There are some settings that can not be saved in this manner so they have to be changed in a master model. Some users will have to use a mixture of both methods to get the results they want.

Changing PowerSHAPE from METRIC to INCH:

When you install PowerSHAPE on a new computer, it will install with METRIC units. There is a utility program to switch the database to INCH units.

In Windows 7 this utility is located in "C:\Users\Public\Documents\Delcam\shareddb" and is named "SetShareddbStandard.exe".

New Computer with first install of PowerSHAPE:

Run the utility program and choose ANSI as the standard. If you run this program BEFORE you start PowerSHAPE for the first time, it will set the standard to INCHES when you start PowerSHAPE the first time.

PowerSHAPE already runs in metric mode, How to fix it:

Start PowerSHAPE, and go to the Tools menu on the top toolbar, and select login. A form will pop up and prompt you for a login name and password. Type in 'admin' for the name and hit enter. No password is necessary. The software will reboot in administrator mode. This will allow us to access files that you otherwise could not.

Close the active model.

Go to File>Delete. Delete any 'NEW_MODEL_X_XX' files. You have to do this because these files where created with the Metric standard.

Exit PowerSHAPE.

Run the 'SetShareddbStandard.exe' program and choose ANSI as the standard.

Now when you start PowerSHAPE, it should be in inches.

Master Model Step:

The Master Model is the template that is copied to create your working space. Every time you create a new model, all the model settings you chose to change will be used for that session. If you wanted to start with standard level names and some beginning geometry, that can be saved using this method.

General tolerance will be the most common thing set here. We would recommend using .0002 as a good value. If you did not set a drawing standard when you installed PowerShape and

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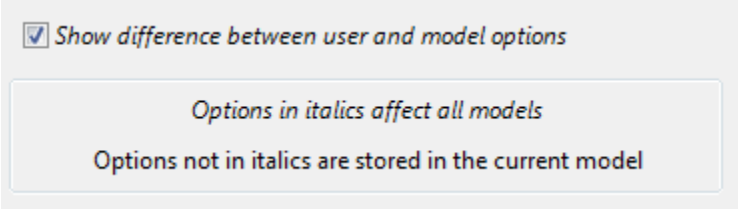
it starts in metric mode, you can set the default here to ANSI. Also any option under Options-Drawing must be changed in the Master Model.

Everybody will have different settings for their defaults, but the process is always the same.

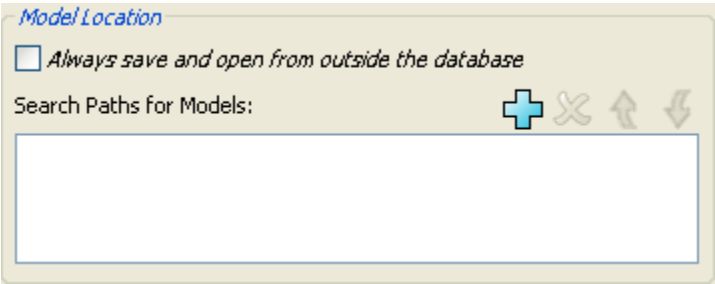
1) In PowerShape, go to the Tools menu on the top toolbar, and select login. A form will pop up and prompt you for a login name and password. Type in 'admin' for the name and hit enter. No password is necessary. The software will reboot in administrator mode. This will allow us to access files that you otherwise could not.

2) Open the option page under the Tools menu. Look on the page under General>Units and Tolerances. Select the check box like shown.

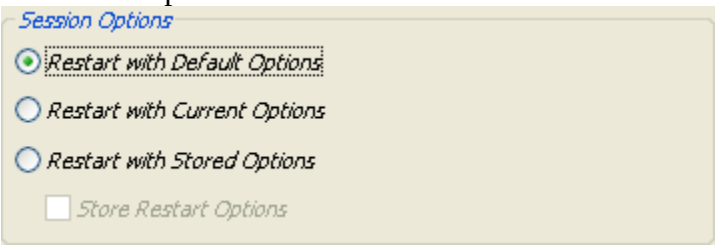


The options shown in italics do not need to be stored in the master model. Those options can be changed later with the Stored Settings step. This is a good place to start to determine if you can make the change using the stored options. Change any of the non-italics options to the values you want. Some settings you can not change are the settings that control the model locations and how PowerShape starts up. Make sure these options are as shown.

File>Model



General>Properties



3) After you have changed all the Model settings you want to save, select OK on this form.

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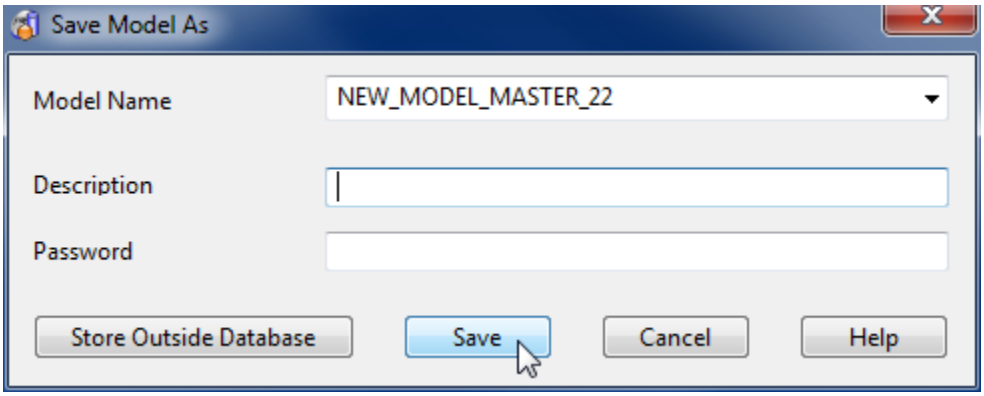
4) Now go to File>Save as, and name this file according to the version of PowerSHAPE you have.

Version	Filename
PowerSHAPE 2010	NEW_MODEL_MASTER_21
PowerSHAPE 2010 R2	NEW_MODEL_MASTER_21
PowerSHAPE 2011 R1	NEW_MODEL_MASTER_22
PowerSHAPE 2011 R2	NEW_MODEL_MASTER_22
PowerSHAPE 2011 R3	NEW_MODEL_MASTER_23



5) After saving the file, go to File>Delete. Delete any 'NEW_MODEL_X_XX' that is not the master that you just created. You have to do this because these files where created before the master was created and they have all the original defaults. Exit PowerShape.

You can now open PowerSHAPE and it will use the Master model file you created as a template to open a new modeling session with all the model defaults you selected.

If you want to change a setting, you must go thru the process of creating a master model again. To change it, login to admin mode. Change the items you want to change. Before you can save your new file, you will have to delete the 'NEW_MODEL_MASTER_XX' file first, and then you can continue at step 4.

Stored Settings Step:

Most settings can be changed and stored by selecting a check box before you accept the options. This method stores the settings in the Windows Registry for quick access by PowerShape. Every time you create a new model, the settings you chose to change will be used for that session. Not all of the options are able to be saved in this manner. Some options are model options that can only be saved in a Master Model. General tolerance has to be saved in a Master Model.

Open the option page under the Tools menu. Look on the page under General>Units and Tolerances. Select the check box like shown.

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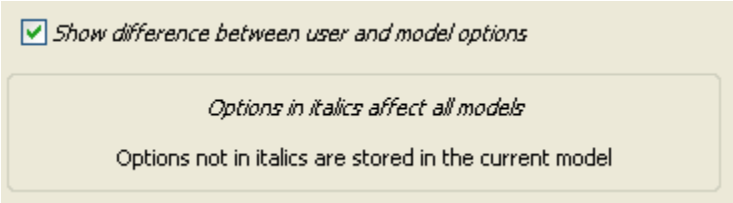
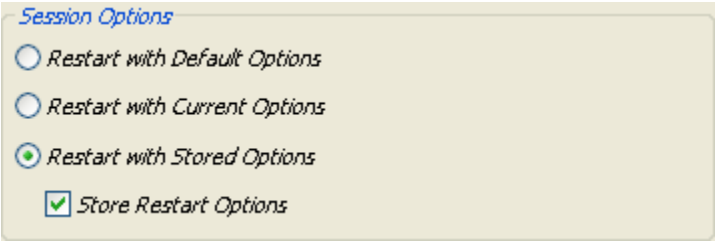


User options can have the default setting stored in this manner. Model options have to be stored in the Master model.

Make any changes to the options you want to be stored as the default.

Under General>Properties select Restart with Stored Options and check Store Restart Options.



Now when you press OK, it will store the settings as the defaults so when PowerShape starts again, it will start with these options.

To make changes to the default options you have set, just select Store Restart Options to save the options again. If the item you change does not stay changed after you restart PowerShape, then that option has to be saved in the Master Model.

Default settings that we use:

Listed below are some of the more common settings to change. You can change any of the settings on the option pages to suit your preference.

General>Units and Tolerances
- General Tolerance — A value of .0002 is a good value to work with.
- Drawing Tolerance — .001

General>Toolbars
- Automatically display/hide toolbars — OFF

General>Mouse
- Edge Picking — OFF

General>Properties

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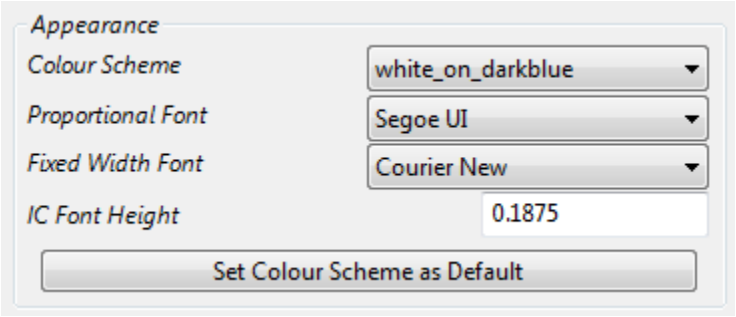


View>Shading

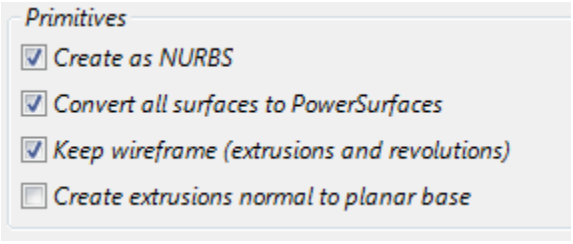
Tolerance for shading .001

Objects>Comp Curves

Gap jumping multiplier 10 (value times tolerance = .002)

Keep Original Curves ON

Objects>Surfaces



Format>Levels and styles

name and ***used*** should have a check mark in both places and ***on*** should not be checked in either.

Tools>Analysis>Surface Analysis

Select ***Display Wall Thickness***

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