
BCiTool

- Addon Tools for TurboCAD

BCiTool_GM – General Macros for TurboCAD

Introduction

This addon toolbar for TurboCAD is a number of macros(s) contributed by various authors, that have been converted to TurboCAD tools for one-click convenience.

Compatibility

- These tools only work with 'Pro' versions of TurboCAD
- Read specific Tool instructions re which version of TurboCAD is required.
- Windows 95 & later.

Installing

- Unzip and copy BCiTool_GM.dll into the Draggers folder of the appropriate TurboCAD installation(s). Usually this will be at

C:\Program Files\IMSI\[SpecificTCVersion]\Program\Draggers

- Select Near Cursor has additional install instructions (below)
- The tools will be available next time you start TurboCAD.

Removing

- Delete BCiTool.dll from Draggers(s)

License

BCiTool_GM is Freeware, but if you want to use it you must still comply with the License. Essentially, you can use as pleases you, but if you want to send it to your friends you can only do so by sending an unmodified copy of the original distribution package in it's entirety. My preferred method is that you send them the link to my web site at www.bcitool.com , so they get the most up to date version.

On the other side of the coin, you use this entirely at your own risk. Bell Cracking Pty Ltd accepts absolutely no responsibility or liability for any losses incurred through the use of this tool. In other words if it matters that much, check the results manually – that's your job.



Copy In Place Tool

Author	Winston Mitchell. winston@cadcourse.com
Compatibility	Requires TurboCAD Pro V7 or later Undo only works in Pro V8 or later
Location	Edit Copy Entities In Place
Description	If you make a selection and then click the Copy In Place tool, you can move or do whatever you want to do to the original selection, leaving behind an unaltered copy. This reduces the steps required to make a copy of a selection in situ, something I find myself frequently doing.



Select Near Cursor Next/Previous Tool

Author	David Bell. davidbell@bcitool.com
Compatibility	Requires TurboCAD Pro V7 or later
Location	Edit Select By Near Cursor Next/Previous
Description	<p>This pair of tools is designed as a replacement for Select By Order/Reverse Order (F6/F7). They work in the same way, except that they only select graphics near the cursor. This makes it easier to select objects in complex drawings. If there are no graphics near the cursor, they revert to the standard behavior and select from all available graphics.</p>
Installing	<p><i>The following is in addition to the general install instructions.</i></p> <p>Select Near Cursor adds two new buttons to your toolbars, <i>but by far the best thing is to forget the buttons and access the functions via SEKEs</i> instead.</p> <p>Go to Tools>Customise>Keyboard, then click the Edit category. Near the bottom of the 'Commands' list select 'EditSelectByNearCursorNext/Previous', move to the 'Shortcut' edit box and press the key combination you want to use with the tools, then press 'Assign'. When done press 'Close'. You have to repeat this procedure for each installation of TurboCAD that uses BCiTool_GM (sorry, can't be automated).</p> <p>The choice of SEKEs is up to you. I use F6 and F7 so the old functions are replaced with the new ones, and reset the old commands to Alt+F6 and Alt+F7.</p>

Coding Conventions for Contributors

This toolbar has been set up so it's relatively easy for me to add macros from other contributors. However they have to follow a few conventions or it would involve too much editing for me.

This may require a little bit of recoding on your part but it shouldn't be too much. It should also be possible to write the functions in a way that is compatible with both Macro & Tool versions ... so no excuses for not testing!

There is an example of what I need that can be found in the zip file distribution.

Files Required

- Text file with macro functions
- Two bitmaps for the buttons in large and small versions. They should be 256 colour bmps with W x H of 24 x 23 & 16 x 15 respectively. Magenta is background/transparent in TurboCAD
- MS Word document with macro description & instructions.

Functions Required in the Macro Text File

- **Commented Header**
Provides me with information I need for placing in the TC interface.
- **Sub RunMacro_YourMacro NameHere (ByRef App As Application, ByRef ActiveDwg As Drawing)**
Performs the body of the macro
- **Sub GetMacroStatus_YourMacroNameHere (ByRef App As Application, ByRef ActiveDwg As Drawing, ByRef Enabled as Boolean, ByRef Checked as Boolean)**
Sets the Enabled and Checked status of the Tools button & menu. This can be very simple as shown in the. It is assumed that all macros will work from TC Version 7 onwards, so let me know if this might cause a problem.

Coding Rules & Restrictions

- All variables that reference TC objects must acquire them via an explicit reference to provided Application argument (usually called App) or ActiveDwg argument at some point. Eg ...

```
Dim ActDwgGrphs as Graphics
Set ActDwgGrphs = ActiveDwg.Graphics
' NOT Application.ActiveDrawing...
' OR ActiveDrawing... either!
...
```

- All local variables must be Declared. You will be hit with an Option Explicit statement.
- No Global or Static Variables. No enumerations or User Defined Types.
- Local Menu items & Events will not be supported.
- Must be thoroughly tested in versions that the macro is targeted at – I will only be doing rudimentary debugging.