



IPA to 3D PDF

IPA v8.1 - How To Publish Interactive 3D PDF Files

□ Methods

- Method 1 – Basic Export/Import U3D
- Method 2 – IPA automated PDF generation
- Method 3 – IPA automation plus existing documentation

□ Software requirements:

- IPA v8.1
- Adobe Acrobat 7.0
- Microsoft Word (if using IPA PDF generation wizard)

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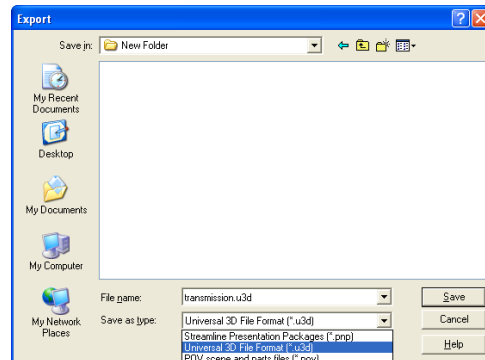
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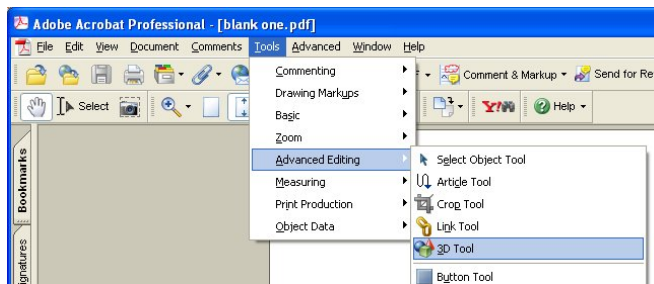
IPA to 3D PDF

Method 1: Export and Insertion of U3D files into Acrobat

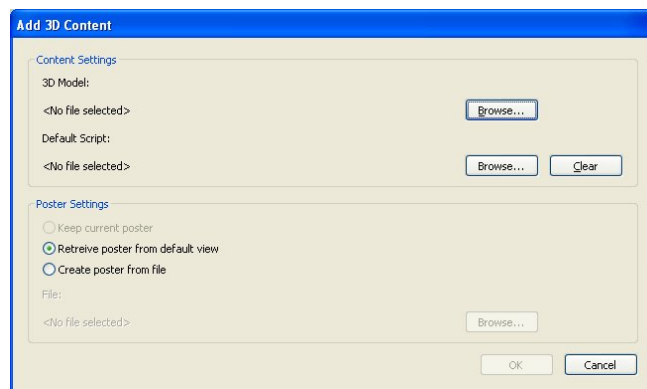
- Open an assembly in IPA using the File->Open command
- Export the assembly using the File->Export command and select



- In Acrobat 7.0, open a pdf document.
- Use the Tools->Advanced Editing->3D Tool command



- Drag a rectangle across the page to position and place the 3D view.
- When the Add 3D Content dialog appears, browse and pick the to U3D file that you just exported from IPA.



- Click on the Hand Tool in Acrobat and then click on the image to activate the 3D view.

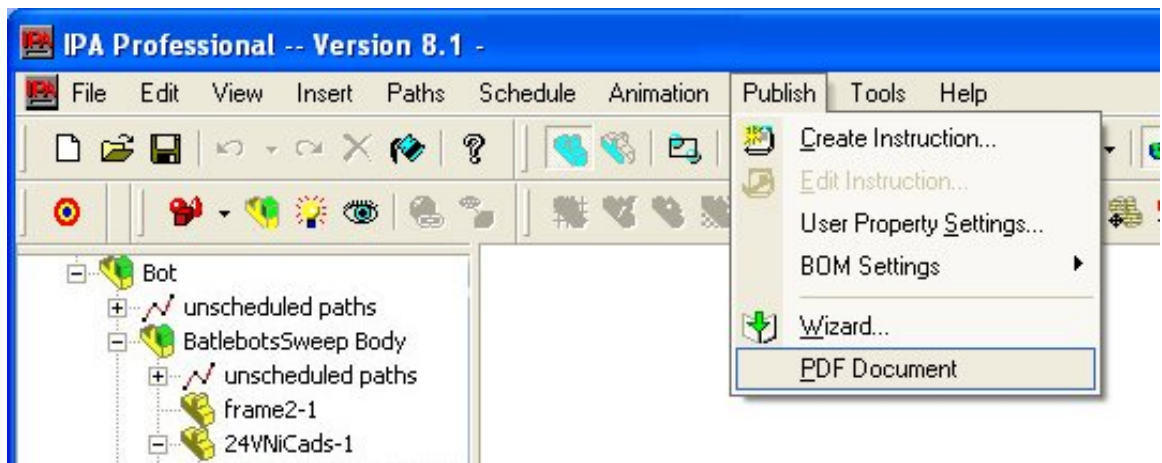


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Method 2: IPA automated PDF generation

Create and publish an interactive assembly animation

- Open or create an assembly animation including instructions. Information on how to create an interactive animation can be found in the Web Publishing chapter of the IPA v8.1 online help guide.
- If necessary, use the File->Properties command to enter the document title, author, company and date.
- Invoke the Publish->PDF Document command



- Enter a name for the new PDF document and click Save.
- Congratulations! You're done.
- To access the 3D viewer, click on the image on either the Parts List page or the Instructions page. The part names and instruction text are linked to the 3D view. A right mouse click in the 3D view will bring up a menu of available commands.



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Method 3: Using existing documentation

IPA also allows you to 3D enhance your existing documentation. When IPA creates an interactive PDF document (method 2), three Microsoft Word documents are generated as intermediate files that may be imported or linked into your existing Word or Framemaker files. In Word, when you use the Insert->File command to insert either the IPA generated bom.doc or instructions.doc file, your existing document will contain all the necessary information to generate the interactive 3D PDF file.

Convert a Microsoft Word document to a 3D PDF file

- Browse to and open MS Word document ("PDF test.doc") that you have just created.
- Click on the Convert to PDF toolbar button or use the Adobe PDF->Convert to PDF menu command. Note: Do not use the File-Print command for this step. If you just use Acrobat as a printer with the File->Print command, the necessary links in the MS Word document will not be converted when the PDF file is generated.
- After the PDF document is created, in Acrobat, you will need to run the Advanced->IPA 3D Tools-> IPA 3D PDF Convert command. The conversion tool will insert the 3D file and link up the text to the 3D view.

