Genesis G-Probe
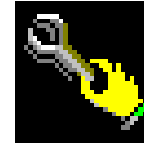
Gprobe.exe

How to use the program
Quick Reference guide

Quick Reference guide

What Do I Need
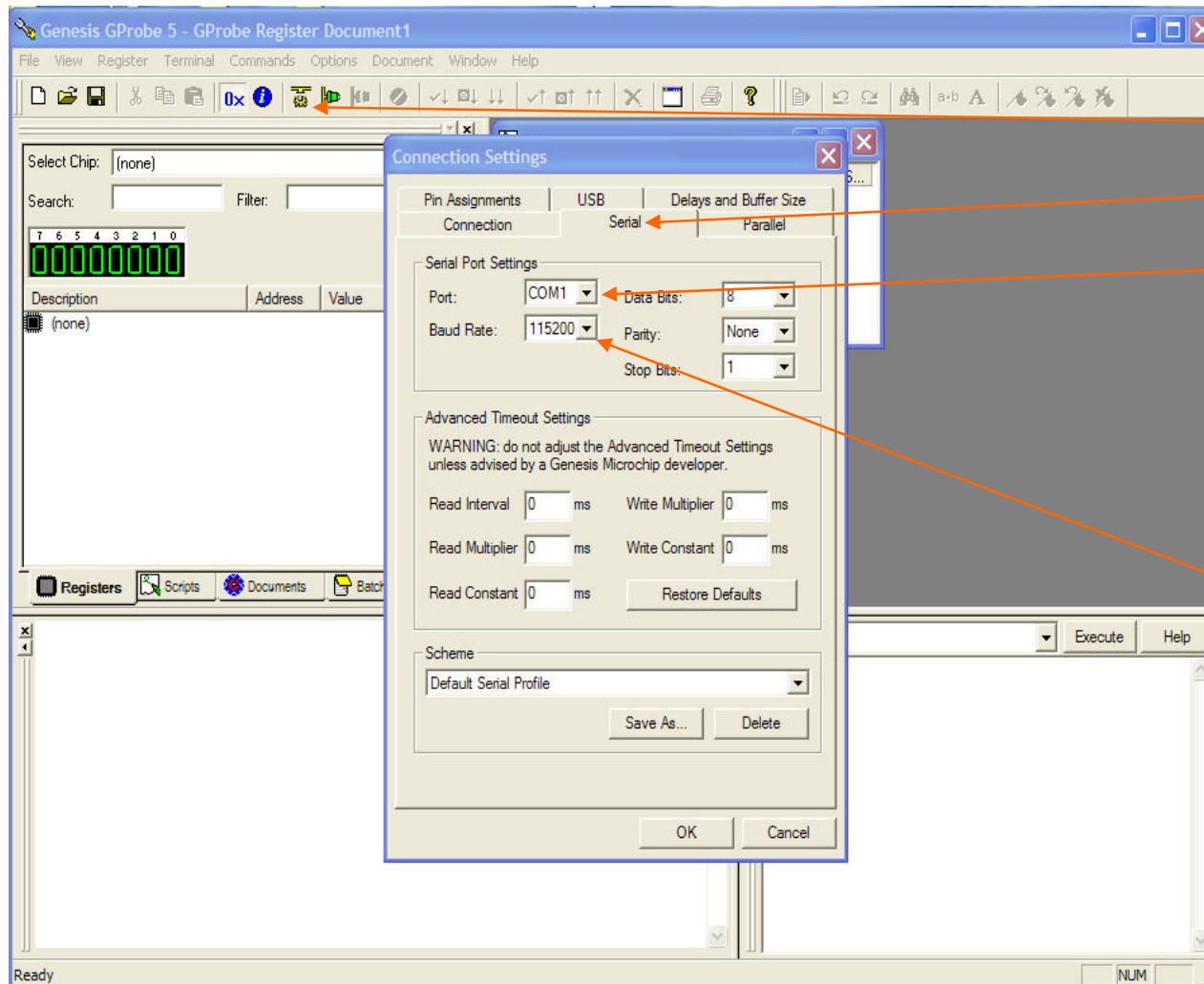
Part no 39119T1051A

Part no 105-201M

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Quick Reference guide

Setting up the serial port

Gprobe.exe

1. Select the options button

2. Select the serial Tab

3. Confirm the settings & if necessary change the COM port number to match the serial port on the computer you are using.
(check the hardware tab \device manager from the properties of My Computer)

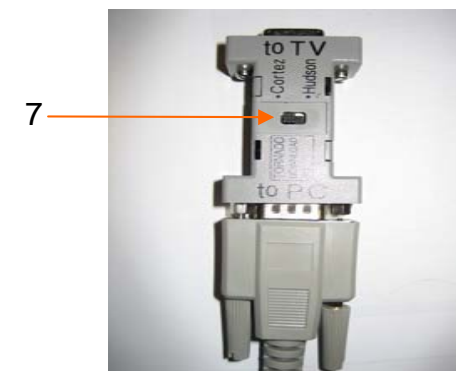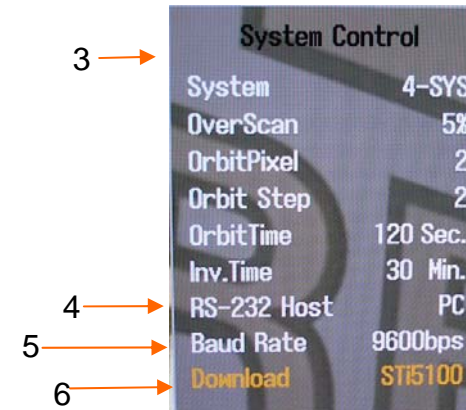4. Confirm the Baud Rate is 115200

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Quick Reference guide

Getting the TV Ready

1. Press ADJ key on the service commander.

2. Using the navigation keys select System control.

3. Press enter. (The System Control Menu is displayed)

4. Using the navigation keys change RS-232 Host to G-Probe

5. Set the Baud Rate to 115200

6. Set the download to Hudson or Cortez (depending on the device you wish to update)

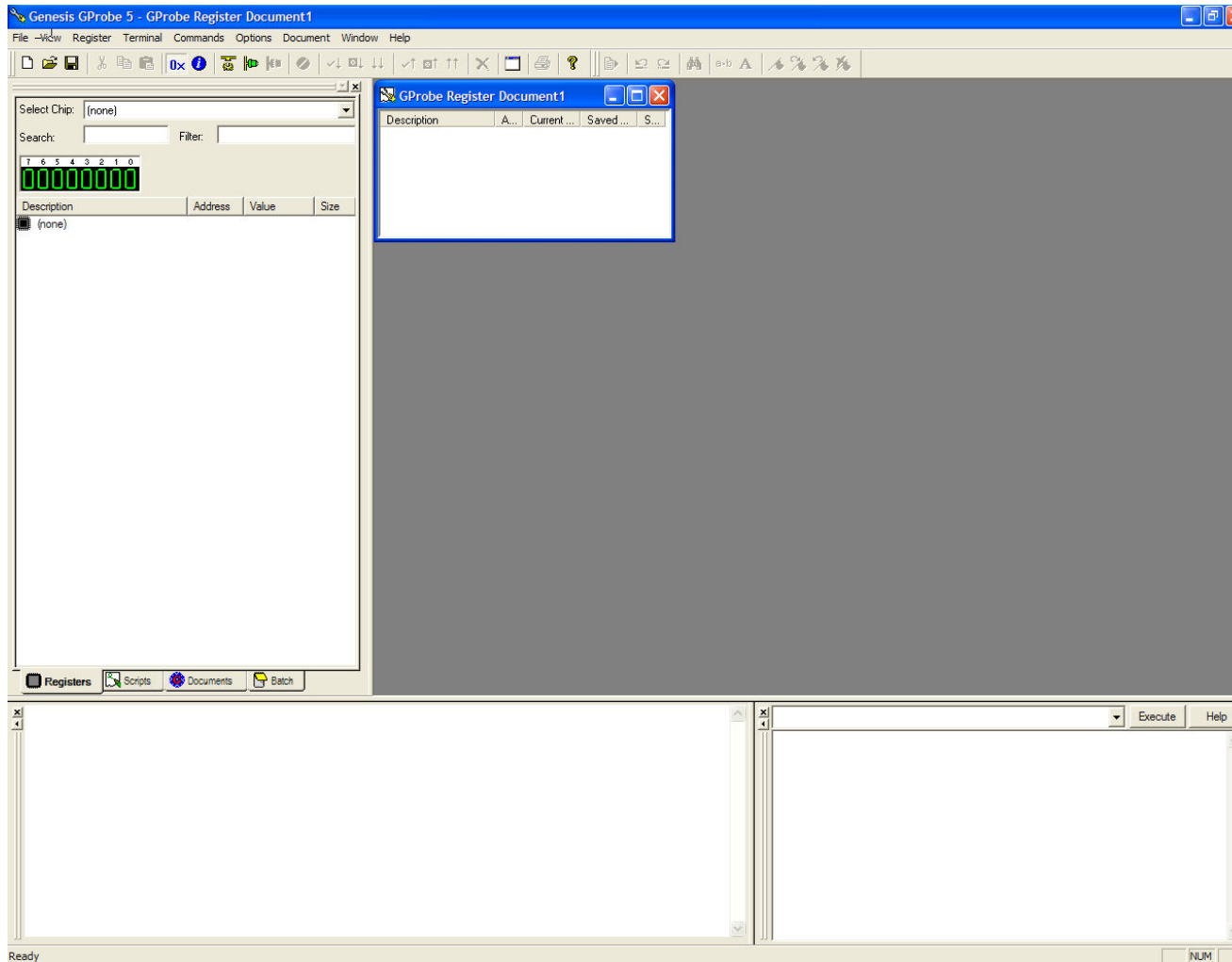7. Make sure the switch position is correct on the Tornado jig.

System Control

System	4-SYS
OverScan	5%
OrbitPixel	2
Orbit Step	2
OrbitTime	120 Sec.
Inv.Time	30 Min.
RS-232 Host	PC
Baud Rate	9600bps
Download	STi5100

Pressing this (TILT) KEY once is a shortcut for steps 1 to 4

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Quick Reference guide
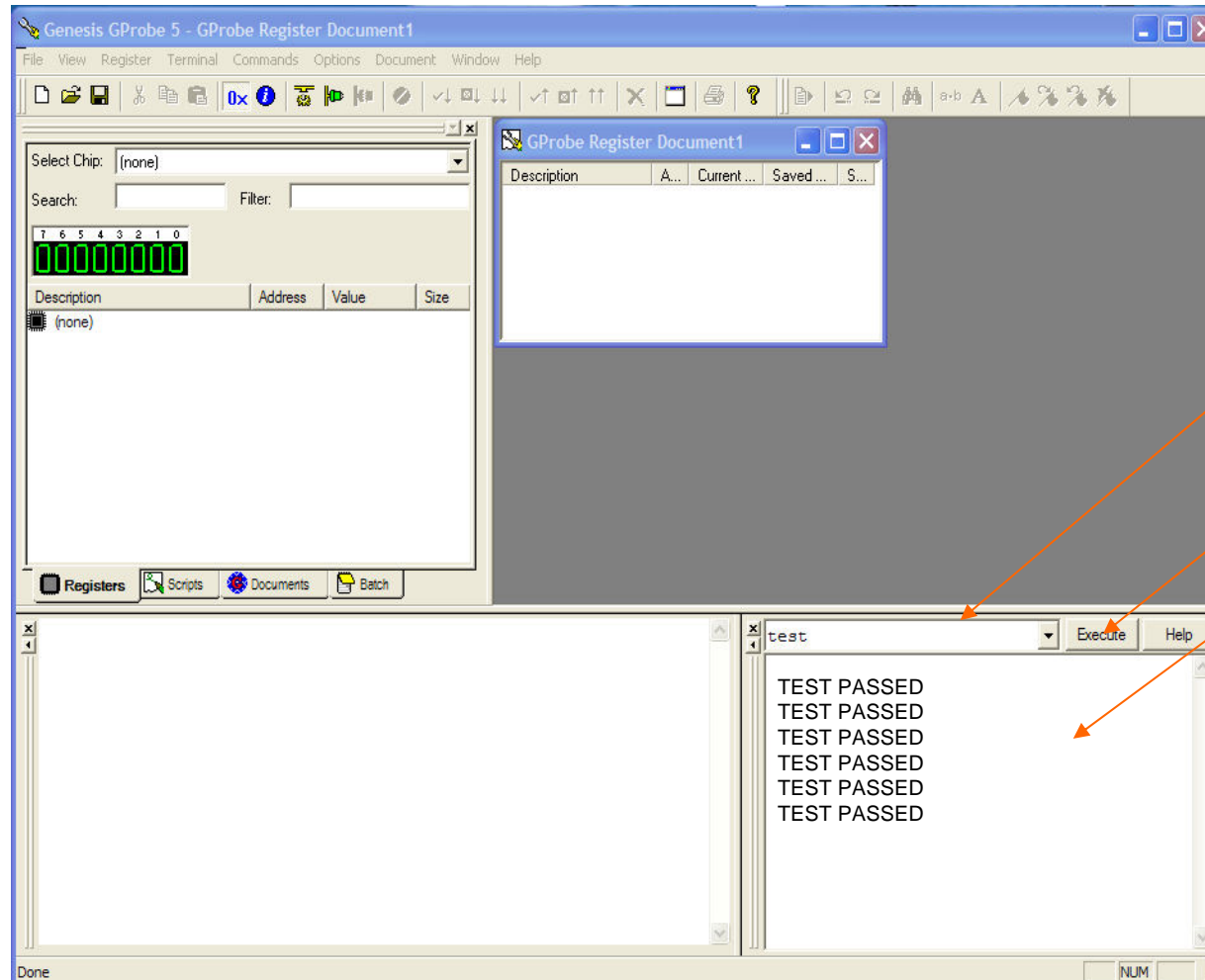
What the screen looks like

Quick Reference guide

Gprobe.exe

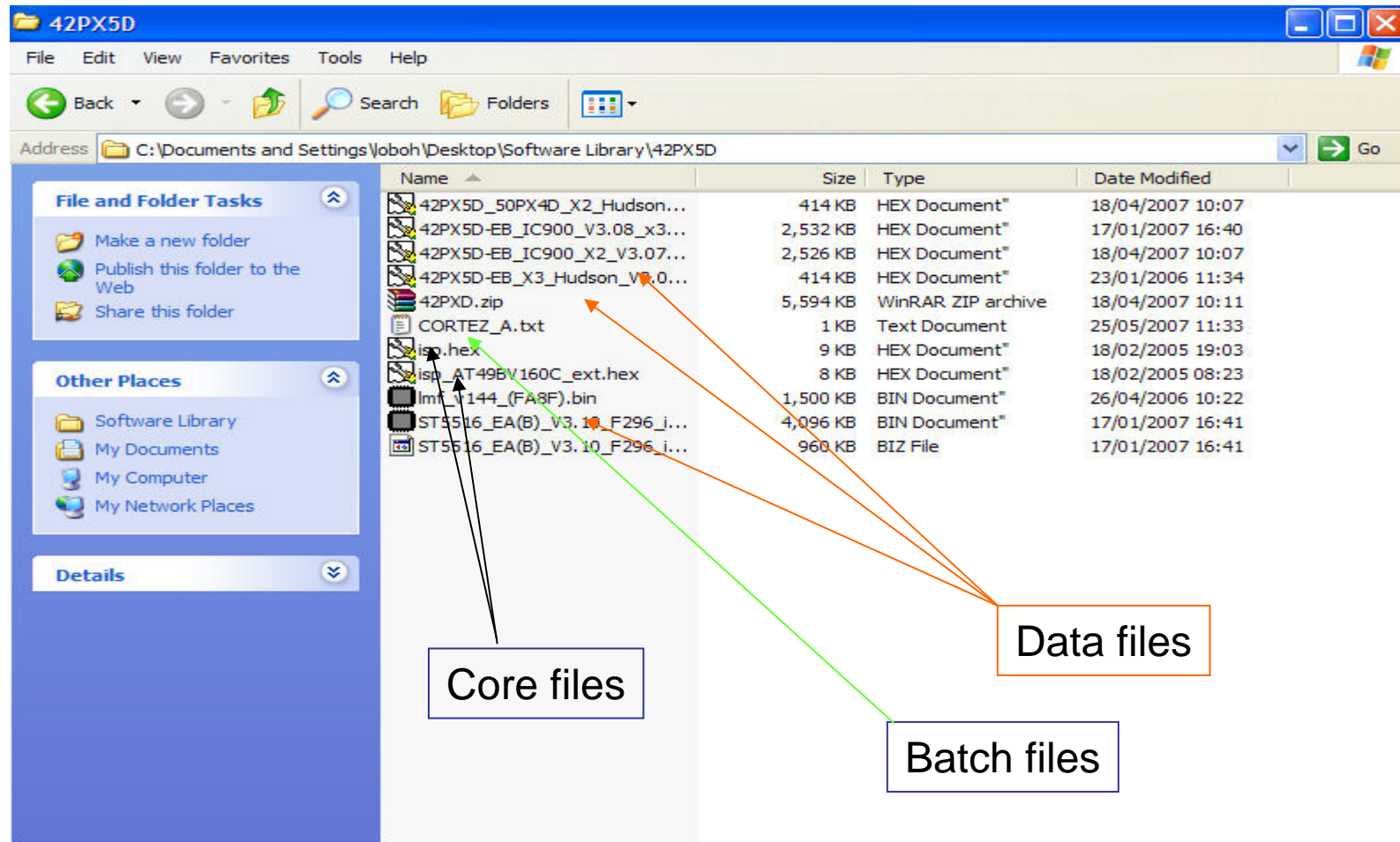## Testing the communication

1. Click in this field.

2. Type TEST

3. Click Execute

4. Confirm "Test Passed" is displayed several times in the window below.

Quick Reference guide

Gprobe.exe

When using G-Probe all relevant files must be in the same folder
Data Files, Core Files & Batch Files

Data files

Core files

Batch files

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Quick Reference guide

How to edit the Cortez Batch File

1. Right click on the file name of the file you need.

2. Select rename so the file name is highlighted and use the keyboard shortcut to copy the text (control +c).
e.g.. 42PX5D-EB_IC900_X2_V3.07_3C4C_060329_Download.hex

3. Switch to the batch file and paste it over the original text.

4. Save as xxxx and save in the correct folder.

Quick Reference guide

How to edit the Cortez Batch File

CORTEZ.txt - Notepad

File Edit Format View Help

```
echo on
debugon
SetBuffer 0x3000 4096
Reset 0
delay 500
setDelay 5000
RAMWrite isp_AT49BV160C_ext.hex
run 0x500
delay 500
setDelay 32000 30000
FlashErase
fastFlashWrite 42PX3RVA_IC900_V3.66_810B_060209_Download.hex
delay 500
setDelay 5000
```

Make sure this file name is specified for Cortez upgrade

This is the line you need to edit for each file you wish to upload

You must use the following format: fastflashwrite (space) exact name of file as it is displayed in windows explorer (see next page)

I recommend you save this file (each time you edit it), in the folder for each model giving it an appropriate name

Make sure this file name is specified for cortez upgrade

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Quick Reference guide

How to edit the Hudson Batch File

Gprobe.exe

42PX5D

File   Edit   View   Favorites   Tools   Help

Back   •   Search   Folders

Address   C:\Documents and Settings\oboh\Desktop\Software Library\42PX5D

Name △	Size	Type	Date Modified
42PX5D_50PX4D_X2_Hudson_V3.01_(B023).hex	414 KB	HEX Document"	18/04/2007 10:07
42PX5D-EB_IC900_V3.08_x3module_7F36.hex	2,532 KB	HEX Document"	17/01/2007 16:40
42PX5D-EB_IC900_X2_V3.07_3C4C_060329_Download.hex	2,526 KB	HEX Document"	18/04/2007 10:07
42PX5D-EB_X3_Hudson_V3.02_(B0AA)_060120.hex	414 KB	HEX Document"	23/01/2006 11:34
42PXD.zip	5,594 KB	WinRAR ZIP archive	18/04/2007 10:11
CORTEZ_A.txt	1 KB	Text Document	25/05/2007 11:33
isp.hex	9 KB	HEX Document"	18/02/2005 19:03
isp_AT49BV160C_ext.hex	8 KB	HEX Document"	18/02/2005 08:23
lmf_v144_(FA8F).bin	1,500 KB	BIN Document"	26/04/2006 10:22
ST5516_EA(B)_V3.10_F296_idtv_uk.bin	4,096 KB	BIN Document"	17/01/2007 16:41
ST5516_EA(B)_V3.10_F296_idtv_uk.biz	960 KB	BIZ File	17/01/2007 16:41

File and Folder Tasks

Make a new folder
Publish this folder to the Web
Share this folder

Other Places

Software Library
My Documents
My Computer
My Network Places

Details

1. Right click on the file name of the file you need.

2. Select rename so the file name is highlighted and use the keyboard shortcut to copy the text (control +c).
   e.g.. 42PX5D-EB_X3_Hudson_V3.02_(BOAA)_060120.hex

3. Switch to the batch file and paste it over the original text.

4. Save as xxxx and save in the correct folder.

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Quick Reference guide

Gprobe.exe

How to edit the Hudson Batch File

```
HUDSON.txt - Notepad
File  Edit  Format  View  Help
echo on
Setbuffer 0x2000 0x800
delay 200
Reset 0
RAMWrite isp.hex
Run 0x500
delay 100
Flasherase
delay 100
FastFlashWrite 42PX4RV_Hudson_Ver3.19_20050409.hex
```

Make sure this file name is specified for Hudson upgrade

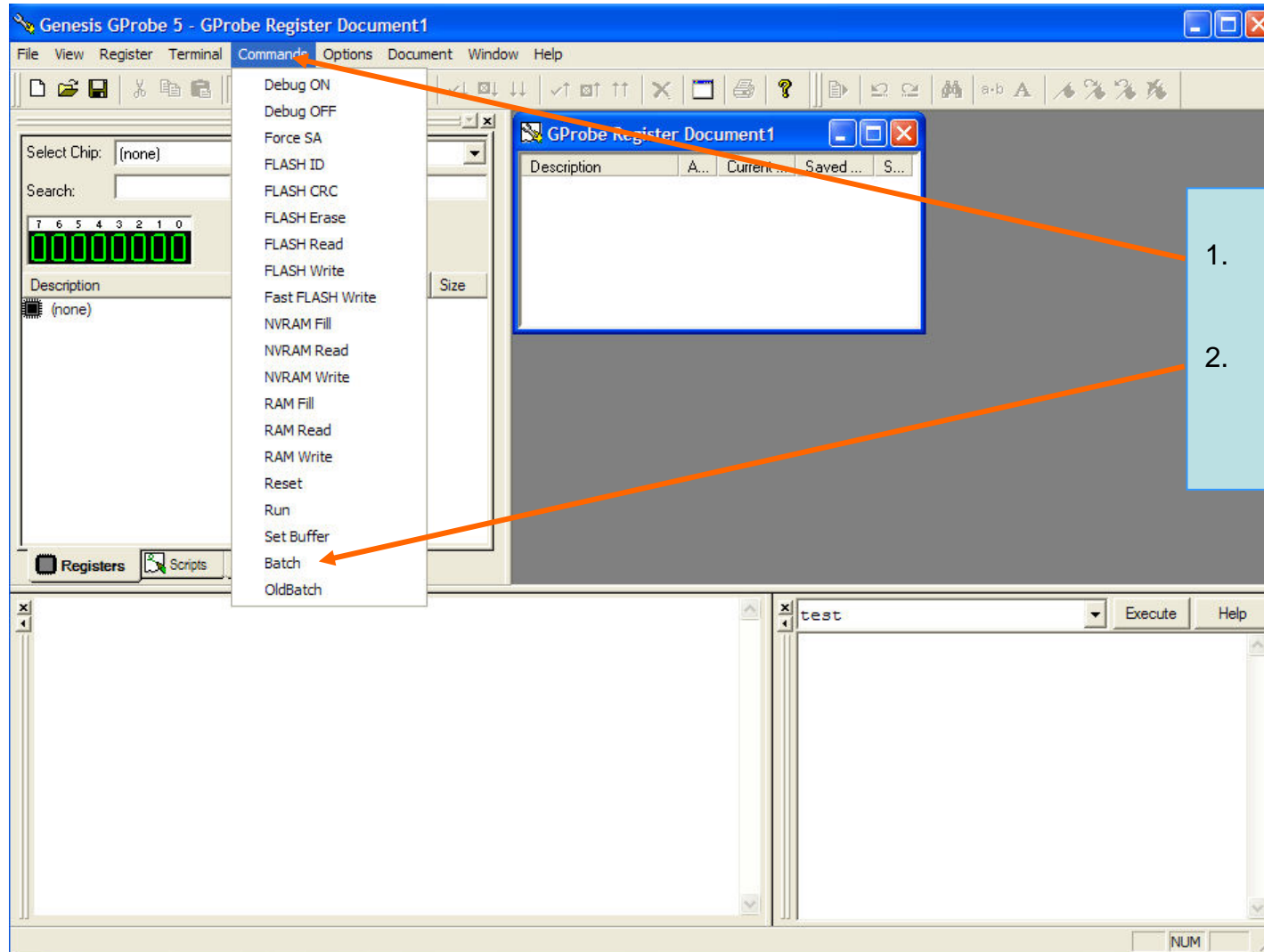This is the line you need to edit for each file you wish to upload

You must use the following format: fastflashwrite (space) exact name of file as it is displayed in windows explorer (see next page)

I recommend you save this file (each time you edit it), in the folder for each model giving it an appropriate name

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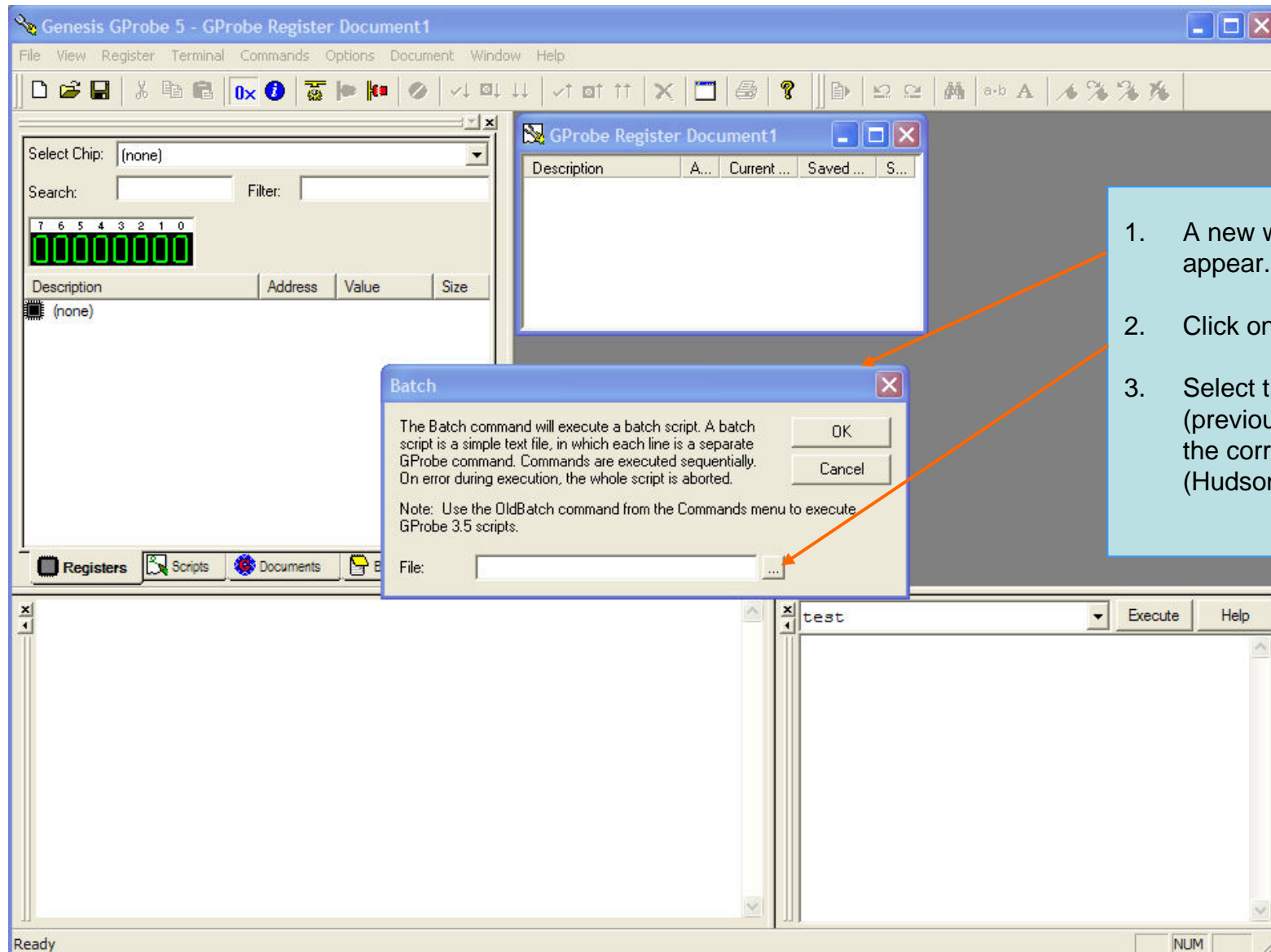# Quick Reference guide

Gprobe.exe

1. Select Commands to display drop down list.

2. Select Batch from the drop down list
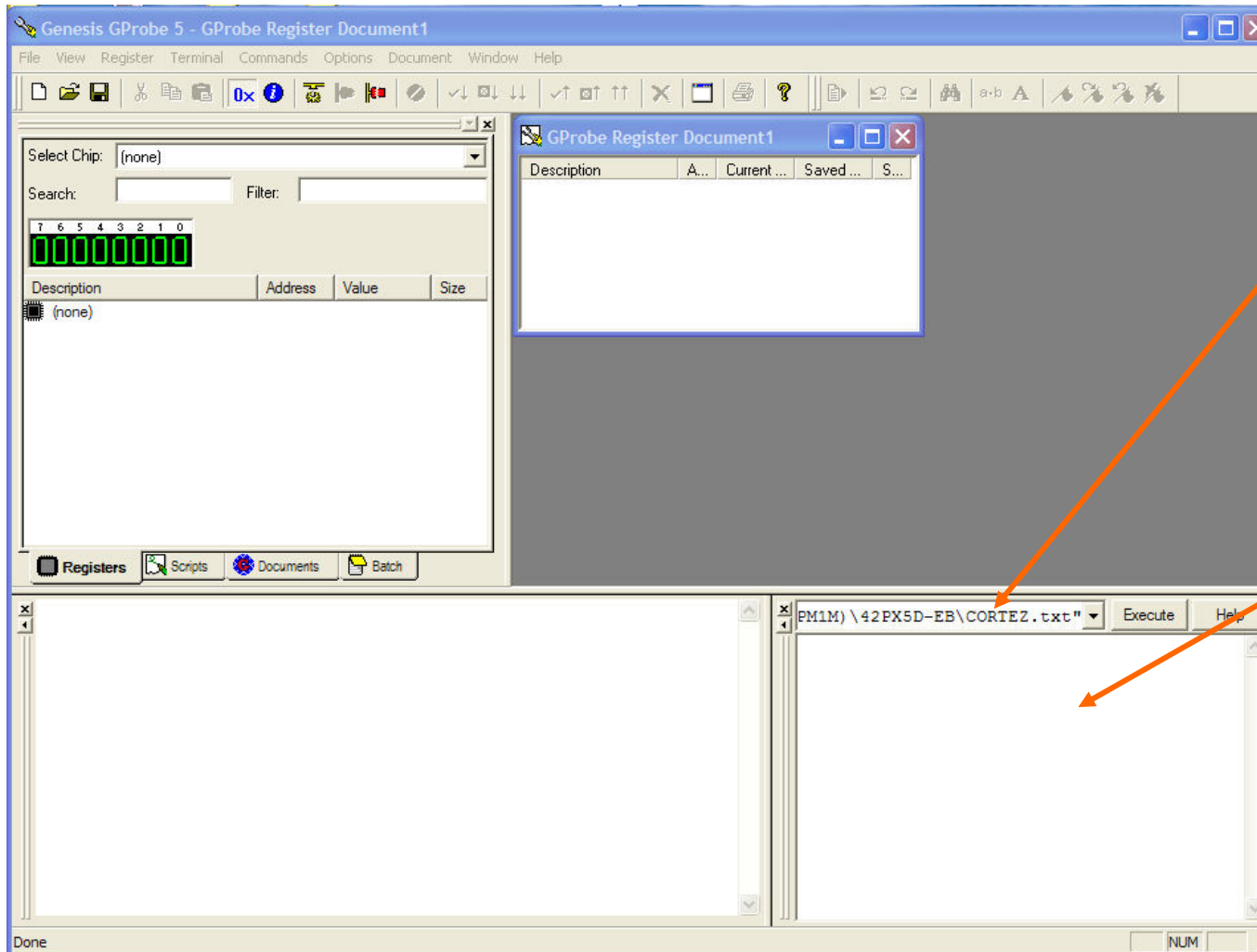
Quick Reference guide

Gprobe.exe

1. A new window will appear.

2. Click on the … button

3. Select the Batch file (previously edited) from the correct folder (Hudson or Cortez)

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Quick Reference guide

Gprobe.exe

1. The name & location of the selected batch file appears here.

2. Each command line & result appears here.

3. Wait until this line shows successful and stops (usually about 2 minutes) during this operation there will be quite a lot of text in here

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