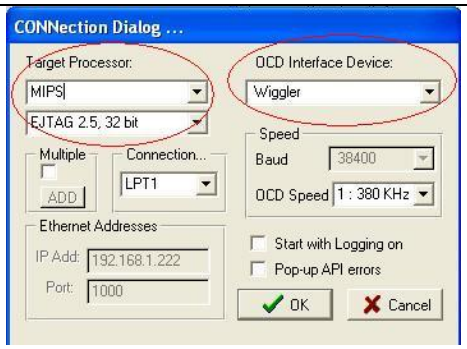
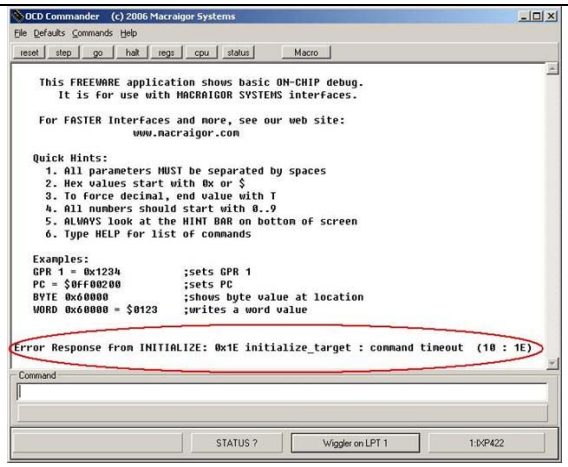
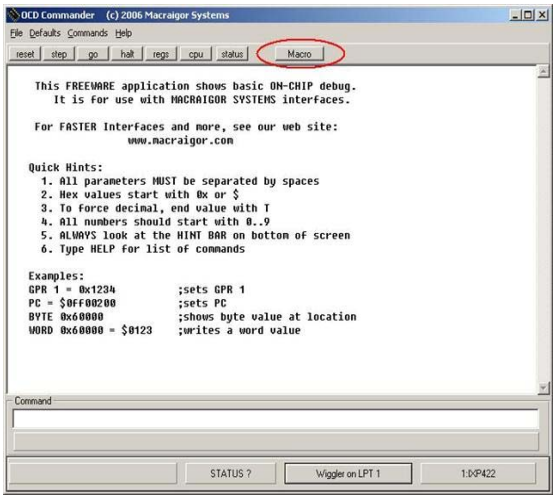
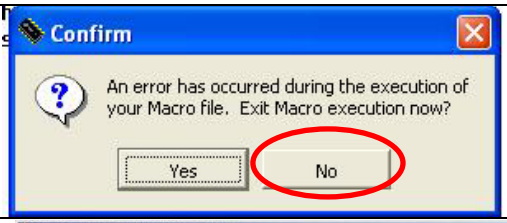
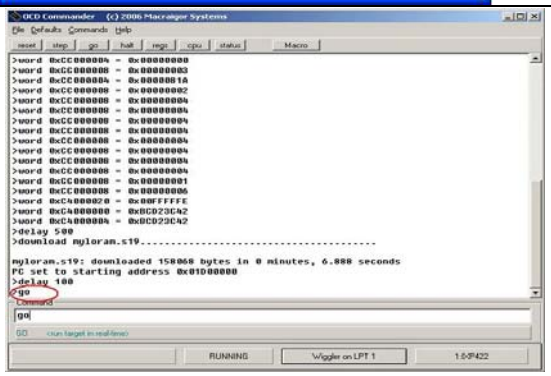
Compex R&D	Doc No: JTAG_V2.0
Description	How to JTAG back to Compex loader

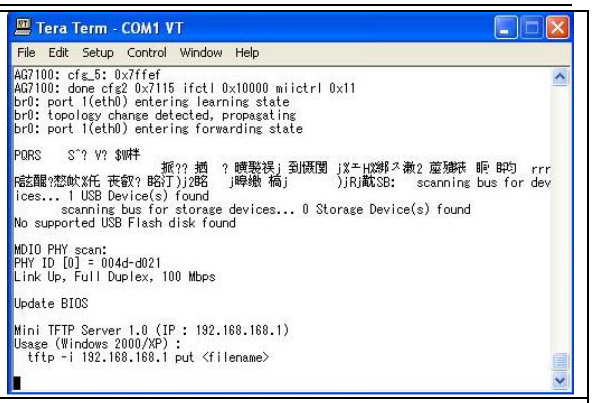
Revision	Date	Description	Arranged By
1.0	18th Dec,2008	Initial Release	Jojo
2.0	21st Jan, 2011	Added some pictures	TY

Preparation

1. OCD Commander 2.5.4
2. <loader>.bin (different device have different zMylo file)
3. myloram file and .mac file
4. put all the files into the same folder
5. JTAG Kit
6. Serial Kit

	Steps	Picture
1.	Install the OCD Commander to your PC	
2.	Plug the JTAG cable to the JTAG port of the device. Plug the other side to the LPT1 of the PC.	
3.	Plug the Serial console to the Serial port of the device. Plug the other side to the RJ232 port of the PC.	
4.	Power on the device. Please make sure that the device is connected to the Ethernet. Use the IP address of 192.168.168.X (with X being 2 to 254) to be the IP of the PC.	
5.	Run OCD Commander program. Change the OCD Interface Device to Wiggler. Set "Target Processor" for the particular device eg. WP18 – INTEL, IXP422 WP188 – INTEL, IXP422 WP54 – MIPS, EJTAG 2.5,32bit WP543 - MIPS, EJTAG 2.5,32bit Click OK. Note: The device would reboot when you press OK. This is normal.	

6.	If there is an error message “Error response from INITIALIZE...”, please check the JTAG cable connection. Close the OCD Commander program and restart Step 3.	
7.	If there is no error message, you may proceed.	
8.	Click on the “Macro” button and select the .mac file. For eg. For WP543 series, the file is init-ar7130.mac Click OK.	
9.	Ignore the error message. Press “No”.	
10.	The process will run until you see “go”. Note: During this process, downloading of myloram.srec would take some time (around 1min 10s for WP543 boards). Please wait till you see go.	

11.	Serial Console would show that it is in Update Bios mode	
12.	Using DOS, tftp in the new loader. For eg. for WP543 series, the loader file name is wp543_loader_v260_b1214.bin	Command: tftp -i 192.168.168.1 put wp543_loader_v260_b1214.bin Tip: Try to ping before tftp. Some board like WP188 have 1 or 2 Ethernet port. Some file only support one of the Ethernet port.
13.	If either of the file fail to be load during tftp, please close the OCD Commander program and restart step 5.	
14.	Power off the device and unplug JTAG cable.	
15.	Power on the device and tftp the firmware into the device. Perform this step only when you wanted to change the firmware inside the device.	
16.	Reboot when done.	

FAQ's

1.