

5 BhFlashBurn

Please refer to the BhFlashburn User Guide for using the GANG2000 Programmer. A sample dialog from the GUI is shown in figure 3 below.

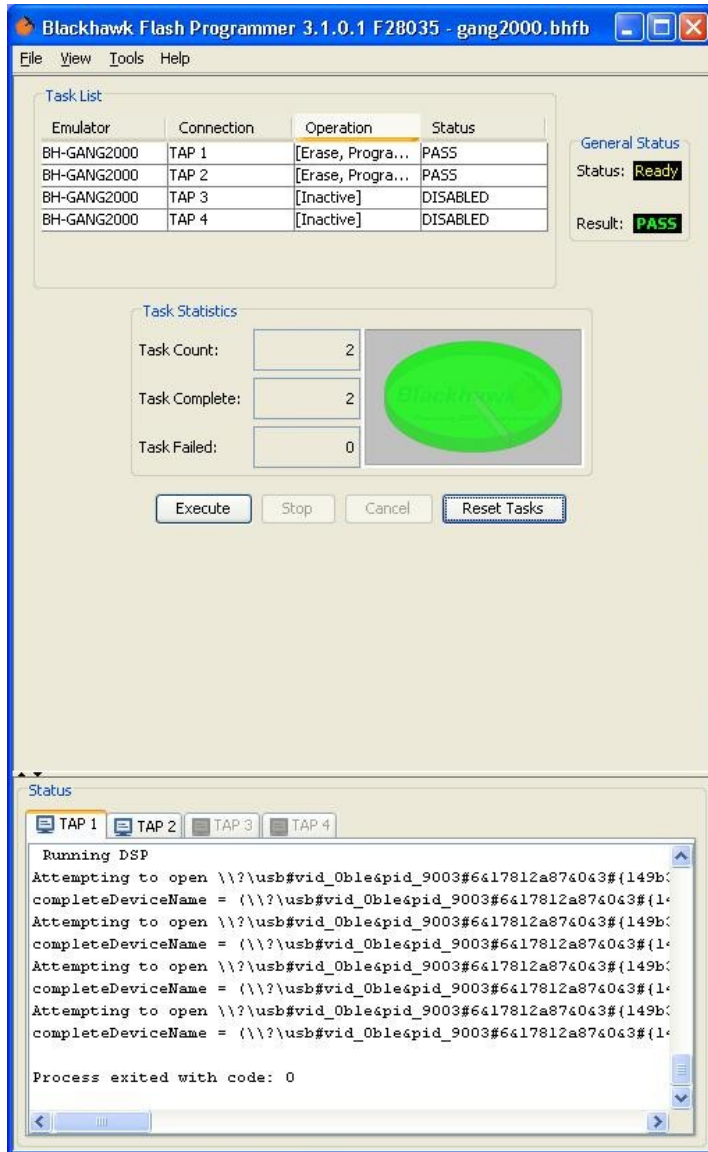


FIGURE 3—BhFlashBurn Operator GUI

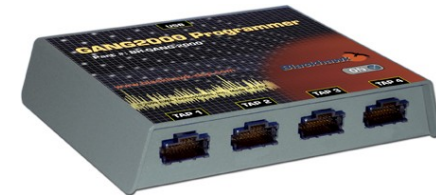
QUICK START GUIDE

Blackhawk™ GANG2000 Programmer (GANG2000)

Installation Requirements

- PC or Notebook computer with at least one free USB v1.1 or v2.0 port.
- Windows® 2000/XP/Vista/7 Operating Systems (32 or 64-bit versions).
- CD ROM Drive.

**3.3 Volt
IOs Only!**



Inventory of Items Included

1. Blackhawk Gang2000 Programmer POD (GANG2000).
2. USB 2.0 Compliant Cable
3. IDC Ribbon JTAG Cable (length: 12 inches, Qty: 4).
4. Installation CD ROM.
5. Warranty and Product Registration Cards.
6. Quick Start Guide.

Other Items Required

1. Target Board System—a self-powered board with a TI supported F28x MCU and compatible JTAG header connection conforming to IEEE 1149.1 Standard.

IMPORTANT ENVIRONMENTAL CONSIDERATIONS

This equipment is designed to be operated under the following environmental conditions:

Temperature between 0°C – 55°C. Relative Humidity of 20% - 70% non-condensing.

Operation of the unit outside of the above range may affect structural and mechanical integrity and cause permanent damage.

Caution is necessary to minimize ESD (Electro-static Discharge) which can damage electronic components. Use in a controlled environment where ESD materials and practices are employed is highly recommended.

1 Software Installation

The **GANG2000** programmer shipped with its software on CD ROM. Run the installation program provided, which can be found by opening the index.htm file with a browser. The installation program will guide you through the installation process.

2 USB PnP Installation

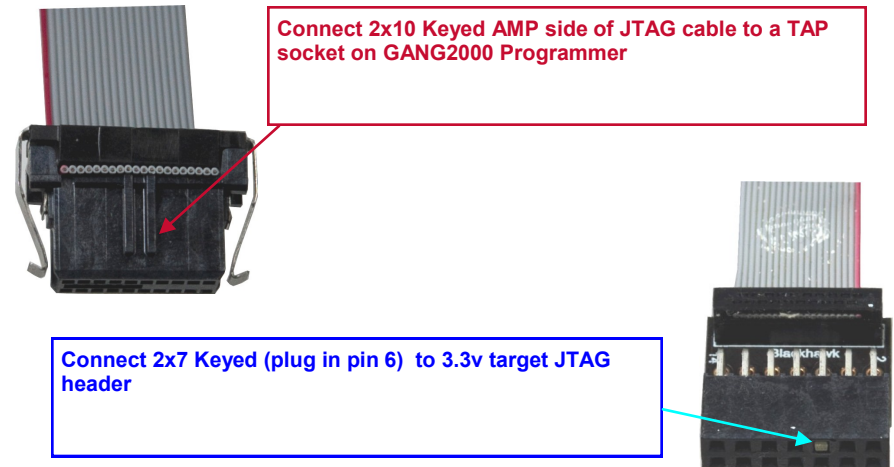
Windows 2000/XP/Vista/7

1. Attach the supplied USB cable to a port on the PC.
2. Attach USB cable's other end to the **GANG2000** Programmer POD. See figure 1.
3. The blue LED (above TAP 4 in figure 2) should light and Windows should indicate that it has found new hardware.
4. Follow the Windows "Found New Hardware" wizard prompts and when prompted, select the option to "**automatically install drivers**". These were pre-installed during step 1, Software Installation.



FIGURE 1—Gang2000 USB End Panel

JTAG Ribbon Cables 3



WARNING

Be careful to connect interface cables with the correct orientation. Pin 1 on the interface cable should match Pin 1 on the target JTAG connector, cables and adapters.

Target 4

The **GANG2000** programmer supports TI F28x devices with an IO voltage of 3.3 volts.

Using the programmer with an unsupported target type or IO voltage can damage the programmer and/or the target board.



FIGURE 2—Gang2000 TAP (JTAG) End Panel