

++ SWISSBIT ZONE PROTECTION

C-320 CompactFlash
P-120 PATA SSD2.5"



++ Overview / Advantages / Demonstration

April 11, 2012

Rev. 3

- ++ The Zone Protection feature allows configuring multiple zones with either write protection or full protection (no read and no write)
- ++ Supported with special firmware on **CompactFlash C-320 Series *-ZP1** devices only
- ++ Swissbit provides a free management tool for the functionality (Windows)
- ++ Swissbit offers a SBZP software library / API for Windows and/or Linux, for a small one-time fee
- ++ Vendor command specification available on request

- ++ Up to 5 different zones / areas in the device
- ++ Each zone configurable individually
 - ++ Separate password
 - ++ Protection levels:
 - ++ No protection
 - ++ Read only (no writes)
 - ++ Full protection (no reads / no writes)
 - ++ Level change immediately or on restart of card
 - ++ Fast Erase
- ++ Behavior for restricted commands is configurable
 - ++ Ignore restricted commands or
 - ++ Abort restricted commands with an error status

++ Startup screen, overview with supported- & unsupported devices



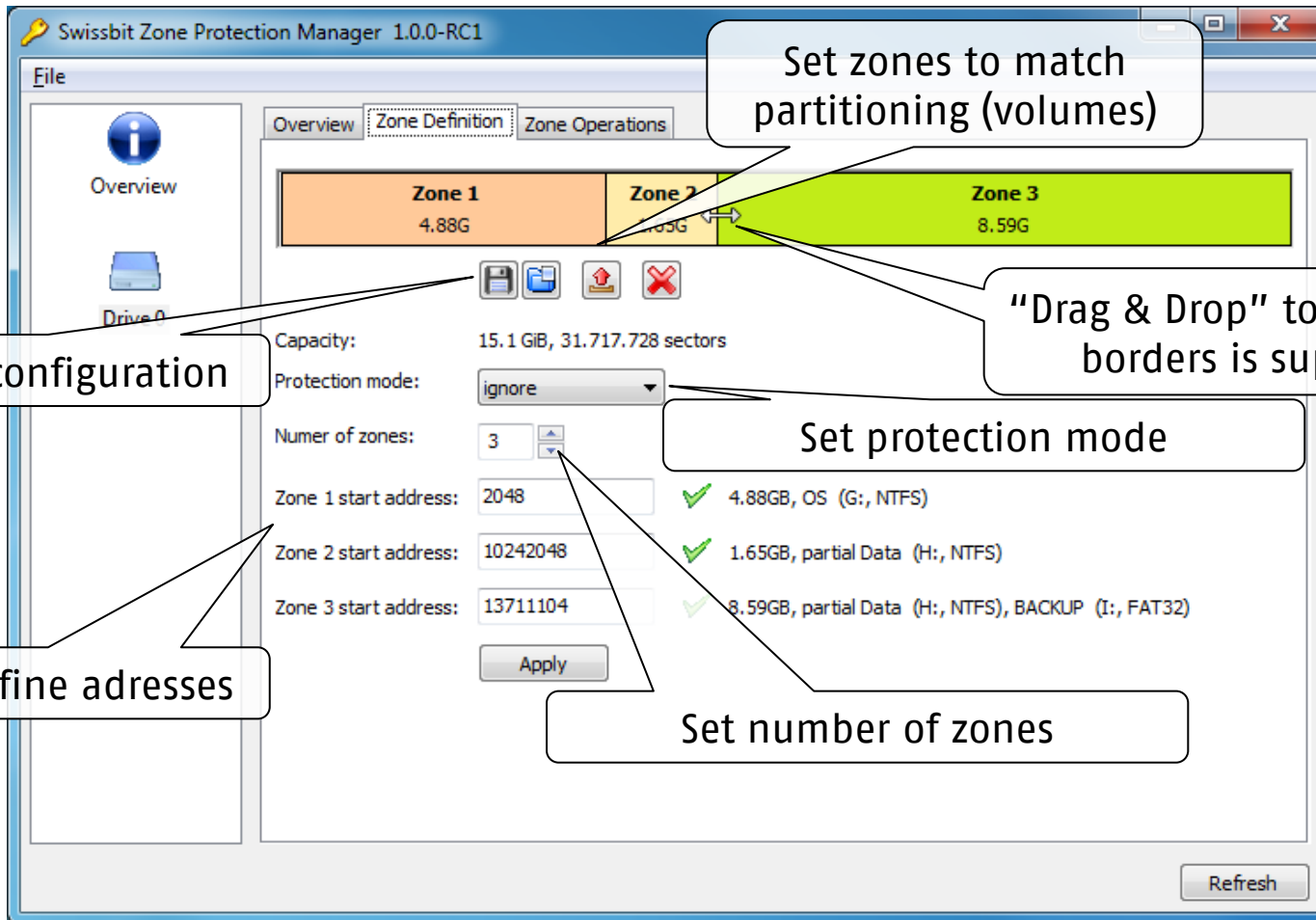
++ Device overview: zone listing, device information

The screenshot displays the Swissbit Zone Protection Manager 1.0.0-RC1 interface. The window title is "Swissbit Zone Protection Manager 1.0.0-RC1". The interface is divided into a left sidebar and a main content area. The sidebar contains two icons: "Overview" (an information icon) and "Drive 0" (a hard drive icon). The main content area has three tabs: "Overview" (selected), "Zone Definition", and "Zone Operations". Below the tabs, there is a horizontal bar with three colored sections: "Zone 1" (orange), "Zone 2" (yellow), and "Zone 3" (green). Each section contains a double-headed vertical arrow icon. Below this bar, the following information is displayed:

- Description: SFCF16GBH1BO4TO-I-QT
- Serial: 000099000569E1000001
- Capacity: 15.1 GiB, 31.717.728 sectors
- Zone 1: ↓↑ no password set
Contains volume OS (G:, NTFS)
- Zone 2: ↓↑ no password set
Contains volume Data (H:, NTFS)
- Zone 3: ↓↑ no password set
Contains volume BACKUP (I:, FAT32)

A "Refresh" button is located at the bottom right of the main content area.

++ Zone definition: define zone areas & protection mode



++ Device overview: zone listing, device information

The screenshot displays the Swissbit Zone Protection Manager 1.0.0-RC1 application window. The interface includes a menu bar with 'File', a sidebar with 'Overview' and 'Drive 0' icons, and a main content area with tabs for 'Overview', 'Zone Definition', and 'Zone Operations'. The 'Overview' tab is active, showing a horizontal bar with three zones: Zone 1 (orange), Zone 2 (yellow), and Zone 3 (green). Zone 1 is selected, indicated by a dashed border and a callout box that says 'Select a desired zone'. Below the zone bar, the 'Selected Zone: 1' section provides details: LBA: 2.048 - 10.242.047 (1.00MB - 4.88GB), Contains: OS (G:, NTFS), and Current Status: not protected. The 'Password:' section has 'Change Password' and 'Clear Password' buttons, with a callout box that says 'Set/Clear a password'. The 'Protection:' section has two groups of radio buttons: 'Protection' (None, Write Protect, Read & Write Protect) and 'Effective' (Immediately, On Reboot), with a callout box that says 'Set Protection and Effective'. An 'Apply' button is located below the protection options, and a 'Fast Erase' button is at the bottom. A 'Refresh' button is in the bottom right corner.

- ++ The SBZoneProtection software library allows the customer to enable his applications managing the zone protection functionality.

- ++ Advantages of the SBZP software library (over the customer implementing it himself):
 - ++ Simple programming interface (C library)
 - ++ Hides the complexity of the operating system API (enumeration of the drives & volumes, vendor command implementation, etc.)
 - ++ Identical API for all supported operating systems and device types