

## ++ SWISSBIT ZONE PROTECTION

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



++ Overview / Advantages / Demonstration

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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



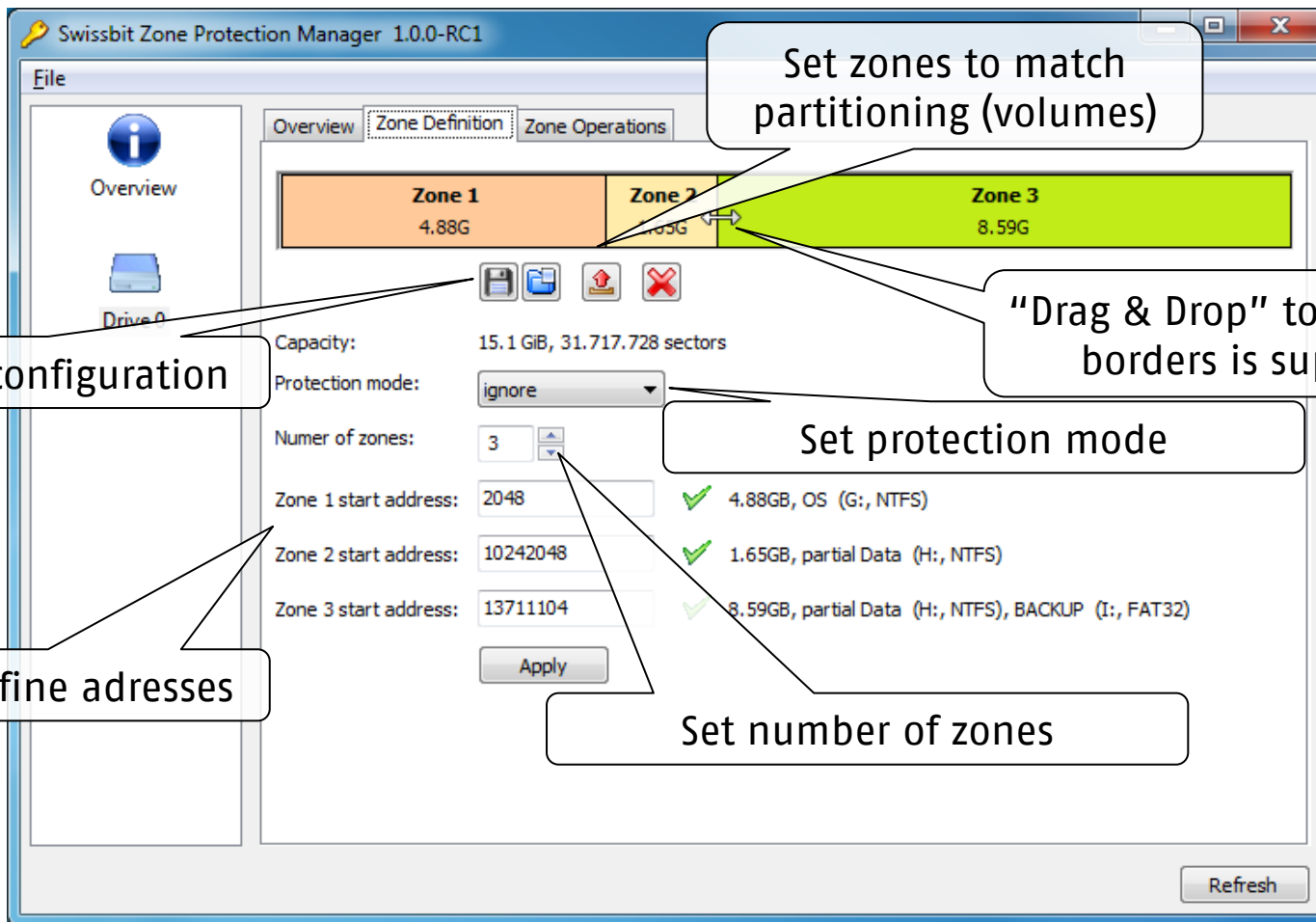
## ++ Device overview: zone listing, device information

The screenshot shows the Swissbit Zone Protection Manager 1.0.0-RC1 interface. The window title is "Swissbit Zone Protection Manager 1.0.0-RC1". The interface has a "File" menu and a sidebar with "Overview" (selected) and "Drive 0". The main area has tabs for "Overview", "Zone Definition", and "Zone Operations". The "Overview" tab displays a table of zones and their details.

Zone 1	Zone 2	Zone 3
↓↑	↓↑	↓↑
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)	

Refresh

++ 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 interface. On the left, there is a sidebar with 'Overview' and 'Drive 0' icons. The main window has three tabs: 'Overview', 'Zone Definition', and 'Zone Operations'. Under 'Overview', three zones are listed: 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 listing, the 'Selected Zone: 1' section shows details: LBA: 2.048 - 10.242.047 (1.00MB - 4.88GB), Contains: OS (G:, NTFS), and Current Status: not protected. The 'Password:' section includes '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'. At the bottom, there are 'Apply' and 'Fast Erase' buttons, and a 'Refresh' button 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