



# Extreme Field

## Features List

Extreme Field can easily be customized with your own graphics (splash screen, program icon, about graphic) and text (help text and instructions). You can also pick and choose from the following features. If there are features you require that aren't present, let us know as we are constantly looking to improve our products.

**New! Now includes Disk Qualification and Multi-target Disk Copy tools!**

### I. Benchmarking

1. Choose from Sequential, Random or Single Sector Reads
2. Choose transfer sizes up to 16MB

### II. Media Eraser

1. Format Devices
2. Change Device Geometry (Capacity and/or Block Size)
3. Purge Media with the Department of Defense's Sanitation Specification M-5220.22-M
4. Clear Media with the Department of Defense's Sanitation Specification M-5220.22-M
5. Define your own disk wiping patterns/procedures

### III. Disk Copy

Allows the user to define multiple source disk configurations and copy a source to many targets simultaneously to aid in OS drive preparation or backup.

### IV. Firmware Download

Automated Firmware download utility finds the correct settings to download firmware to almost any device.

### V. Surface Tools

1. Media Verification - Verify the integrity of your media (non-destructive)
2. Self Diagnostics - Perform Foreground or Background diagnostics on devices
3. Reallocate bad blocks
4. View Device Defect Lists (Primary and Grown)
5. Media Viewer - View the contents of any Logical Block Address

## **VI. Qualification**

1. *Device Self Test* - Instructs the device to perform internal diagnostic operations.
2. *Start / Stop Testing* - Performs a series of Starts and Stops of the device in order to ensure that all motors and primary electronics are functioning properly.
3. *Actuator Stress Testing* - Performs a series of actuator stress tests in order to verify the proper functionality of the disk actuator (controls the heads that read data off the media).
4. *Data Integrity Testing* - Writes a data pattern to the entire media, then performs a full read pass with data compares, followed by random reads with compares. This ensures that the read and write channels are working properly.
5. *Performance Analysis* - Performs three write and three read passes (sequential and random) and logs results in MB/sec and IO/sec. This ensures that your disk is performing to expectations.

## **VII. Device Configuration**

1. View important device information
2. View device logs
3. Lockout Data Sensitive devices
4. Rescan the system for new devices.
5. Change Device Caching Options
6. Change Device Error Recovery Options
7. Blink tool will flash drive activity lights for identification purposes