

King Demi AS

Y-2003
Data Recovery



New Data Extraction Firmware Just Arrived!

*Pictured model includes plug-in fixture with lock

The King Demi is the best in HDD data recovery technology. This unit utilizes ultimate ATA/SATA/SCSI Direct Command Control to guarantee MAXIMUM data recovery from BAD Hard Drives. If there is usable data left on a hard drive, the King Demi will extract it.

Features

- Fast Backup Damaged HDD (17 Sec. /GB: Max)
- Quick FAT32 Format function
- (1:1), (1:2) All-Purpose-Functions: Test, Analysis, Clone, Flexible Copy, Backup, Repair, Erase and Clip
- Works with any manufacturer's HDD (S-ATA, ATA and SCSI)
- Simple push-button operation
- Hard Drive Low Level Formatting with optional DoD5220.22M and NSA wipe standards
- Big Drive compatible up to 144 PB (48Bit)
- FREE PC control software (King Host) for logging, firmware download, and simple interface control

Data Recovery

✓ Special Data Extraction Functions *

Our new Data Recovery COPY® function will jump HDD Errors (Uncorrectable, Abort, AM, SMART ERROR...) to retrieve only GOOD sectors in acquiring data from defective hard drives. (Variable settings for Timeout, Retry count, and hardware reset at Error sectors. This allows the user to jump/select to good sectors in the LBA sequence) where PC never can never access!

✓ **Native ATA/SATA/SCSI** interface (support any ATA/IDE: 3.5" - 2.5" - 1.8" - 1.0" - 0.85" size, SATA*:3.5"-2.5" size and SCSI: Narrow (40pin), Wide (68pin), SCA(80pin) HDD)

✓ **Cross Data Extraction** between ATA/SATA/SCSI

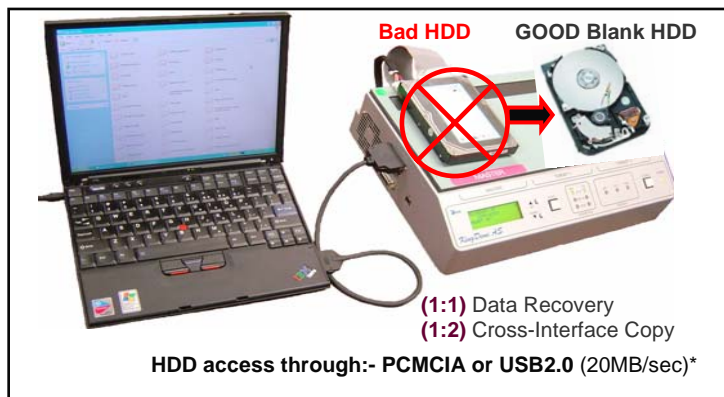
✓ **Built-In Write Blocker** for Master Port to protect customer's data

✓ **HPA (Hidden Partition Area) Detection** and Enable/Disable functions

✓ **Preview HDD via USB** (Mount as an external drive)

✓ **Test Hard Drive** for trouble shooting (Random Seek, Verify, Read-Write-Read 1 Cycle Test, Running Test, SMART details, HDD Password Lock test, Error Code Test, Bad Sectors Test, Device Identify Test, Quick SCSI HDD Test, SMART offline test, Quick HDD Test.

*Use the King Demi AS-F to estimate time and cost of data extraction quickly and easily



*Preview Customer (Master) HDD before acquisition via USB. After data extraction, mount hard drive to analysis computer through the King Demi and post recovered data to a network.

* Transfer rate for each port can be changed and set automatically by host computer
** Specifications subject to change without notice

King DEMI AS Performance Sheet

Specifications

HDD Interface	SATA, ATA(EIDE), SCSI, ATAPI Devices (Built-In Write Block for Master Channel)
Controllable HDD	Master : 1 Target : 2 (1 for SCSI)
Manageable HDD	Any Manufacturer's HDD with ATA(EIDE)-2TB Max., SCSI-2TB Max.
Host Interface	SCSI : PC-HDD Interface (Ultra2 SCSI), USB : Control King Demi unit
HDD interface Mode	{PIO Mode 0, 1, 2, 3, 4}, {Ultra DMA Mode: 0, 1, 2, 3, 4, 5, 6}, SATA-I/II, SCSI-up to U320
HD Power Control	Adjustable Voltage +5V+/-5% (3.3V) , +12V+/-8%
Power	AC100~240V 50/60Hz (less than 2A)
File Format Available	DD image with specified file size from 1MB~2,00MB (Hash: MD5), Sector-Sector HDD duplication with CRC check (Identical HDD Size Clip for target Hard Drives)
Special Features	Automatic folder creation on target HDD for multiple recovered hard drives Automatic Index Text File creation per HDD (Information including: MD5 VALUE, HASH SECTOR, HASH Completed Date Time, Image File Total Creating time, HDD MODEL, S/N, FIRMWARE_VERSION, ,LBA_MODE_SECTORS, DEFAULT/CURRENT HCS, HDD Data transfer Mode supported, HDD Volume, HDD SECURITY STATUS, HDD SMART SUPPORT, Bad sector Locations)
HDD Erase Mode	Low Lever Format with Selected HEX value, Multiple Time Overwrite with specified HEX value, DoD 5220.22M, and NSA
Dimensions	W380 x D285 x H100(mm)
Weight	8lb (4.0kg)
Option	Plug-In Fixture for ATA HDD (2.5 inch, 3.5 inch and 1.8 inch), SCSI (3.5 inch), SATA (3.5 inch)

Product Includes

- King Demi AS Main Unit
- AC Power Cable (G-100)
- Hard Drive (HD) Power Cable (Y-7110) (x3)
- ATA (EIDE) Interface Cable (Y-7030) (x3)
- SATA Interface Cable (Y-7050) (x3)
- 3.5 <-> 2.5 HDD Interface conversion PKG (Y-6250) (x3)
- SCSI Interface Cable (Y-7220) with SCSI Terminator (x2)
- SCSI Narrow (50p) 8bit Conversion PKG (Y-6100) (x2)
- DC Connector Pullout Jig (Y-9030)
- PC Cover removal Jig
- King Host Control Software (CD)
- PC interface PCMCIA card (IO data) and Cable (Optional)
- Carry Case with Key

* Contact us about customizing firmware to meet specific needs.
Input for product specification is always welcome!!!

For support or information, contact us at

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1 gigabyte = 1,000,000,000 bytes. Total capacity and speed vary depending on Hard Drive. Patent pending on YEC mirror technology

