



Forensic Air-Lite IV MK II

Quick Guide

2007

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Introduction

The Forensic Air-Lite IV MK II Quick Guide is a general overview of the Forensic Air-Lite IV MK II system and the included accessories. The Forensic Air-Lite IV MK II Quick Guide is not intended to inform the user of how to use either the Forensic Air-Lite IV MK II or the Forensic Write Protection Kit that is included with the Forensic Air-Lite IV MK II system. For information on how to use the Forensic Write Protection Kit that is included with the Forensic Air-Lite IV MK II please refer to the Forensic Write Protection Kit User Manual.

Forensic Air-Lite IV MK II

The Forensic Air-Lite IV MK II is a highly portable and powerful forensic acquisition system. The Forensic Air-Lite IV MK II is equipped with a 14" wide screen display, a Pentium 4 3.0GHz processor and 2GB of RAM. The Forensic Air-Lite IV MK II system is built into a Pelican 1490 case.

On the left hand side of the Pelican 1490 case is the following: Video connection, two serial port connections, two FireWire connections, two USB connections, an Ethernet port, a PS/2 keyboard connection, a PS/2 mouse connection, sound connections, an IDE cable that is an extension of IDE 2, an Promise cable (labeled) and two twelve inch long Molex connections. The monitor, mouse, and keyboard are already plugged in. In the front area are the power cable, the Windows COA, and two Forensic Computer serial number labels. The Forensic Air-Lite IV MK II has two vents in the front and two on the top for air circulation. (Do not cover these while the unit is on, or drop anything in the ventilation holes.)



Pelican 1650 Case

The Forensic Air-Lite IV MK II system comes packaged in a Pelican 1650 case which is considered the "World's Most Toughest Watertight Equipment Cases" and comes with an unconditional lifetime guarantee. The case itself comes with double-throw latches, an O-ring seal, 2" quiet heavy-duty quad wheels, metal padlock protectors, an automatic purge valve, and pick and pluck foam for cushioning. Inside the case on the left hand side is the Forensic Air-Lite IV MK II system and on the right hand side: a surge protector, a manual bag, an accessories bag, an internal DVD_RW unit, a shoulder strap for the Forensic Air-Lite IV MK II system and a CD wallet containing the software pertaining to your system.



Surge Protector

The Surge Protector has twelve electrical plugs, one IN telephone jack, two OUT telephone jacks, one IN Video connection, one OUT video connection and a RESET/OFF button.

Manual Bag

The Manual Bag includes the following: Pelican 1490 keys, the Microsoft Windows XP Professional Guide, Intel Pentium 4 Processor Guide, Promise Guide, Norton Anti-Virus 2006 information, Virtually Indestructible Keyboard Guide, Quick View Guide, and the LCD Monitor Guide.

Accessories Bag

The Accessories Bag contains the following items: miscellaneous screws, a set of headphones, a 20" IDE cable, a 30" IDE cable, two screwdrivers and a flashlight.

Miscellaneous Screws

There are three types of screws: lid, motherboard and floppy/CRU/hard drive. The lid screw is the largest of the three types and is black. The motherboard screws are silver. The floppy/CRU/hard drive screw is the smaller of the two black screws.

Headphones

The Headphones have a neckband design while still capable of high clarity and volume.



IDE Cables (20" & 30")

There are two IDE cables included: 20" and 30".

Two Screwdrivers

There are two different screwdriver sets included with the Forensic Air-Lite IV MK II system: the 30-piece Security screwdriver set and the Craftsman 10-in-1 Screwdriver. The 30-piece Security Screwdriver set comes with 30 different security bits for items such as: IBM PS/2 monitors, CATV and telephone equipment, and many other Tools Bit Sets. The Craftsman 10-in-1 screwdriver has four dual-headed bits in a "quick-change" bit system, in-shaft bit storage and a cushioned handle grip. One can use the Craftsman screwdriver as a Phillips (1 or 2), slotted (3/16 or 1/4 inch), Torx® (10 or 15), square recess (1 or 2) and also as a nut driver (1/4 or 5/16 inch).



30-piece Security Screwdriver Set



10-in-1 Screwdriver

Flashlight

The Mini Maglite® Flashlight comes with a mesh belt-looped case and batteries.



CD Wallet

In this wallet are all the device drivers and CD ROM's pertinent to your Forensic Air-Lite IV MK II system. The following is a list of the CD's included in your CD Wallet: Windows XP Professional, Hard Drive Image, Device Drivers, Ahead Nero, Norton Anti-Virus, Promise CD-ROM, Promise Floppy, and G-Disk Floppy.

Windows XP Professional

The Windows XP disk is your own personal copy of the operating system that is installed on the Forensic Air-Lite IV MK II system. The Windows XP Professional COA for the installation is located on the interior front edge of the Forensic Air-Lite IV MK II along with two Forensic Computers code stickers. For your protection, you might want to keep a copy of the COA or Windows key code in a safe place.

Hard Drive Image

The hard drive image disk is a copy of your individual Forensic Air-Lite IV MK II system. If by some chance your system has lost its operating system and you need to restore your Forensic Air-Lite IV MK II system, this is the disk to use. It includes an entire copy of your system as it was shipped to you.

Device Drivers

The device drivers disk contains all of the Forensic Air-Lite IV MK II drivers such as chipset, video card, network, modem and sound drivers.

Ahead Nero

Ahead Nero is the name of the CD and or DVD burning software. Instructions on how to use the software is installed on your system.

Norton Anti-Virus

The Norton Anti-Virus disk is the individual copy of Norton Anti-Virus. If it expires, contact [Symantec](http://www.symantec.com) to download the latest anti-virus software.

Promise CD & Floppy Disk

The Promise CD & Floppy Disk are the original copies of the Promise SATA150 TX2 plus IDE controller card drivers that are installed in the Forensic Air-Lite IV MK II.

GDISK

GDISK is a DOS command-line-utility that includes all the features of FDisk to create partitions, delete partitions, list current partition information, activate a partition, make partitions invisible or visible and more. GDISK also conforms to the most current US DoD specifications regarding partitioning.

Quick View

Quick View is a software applications program that allows one to open various files from Windows, Macintosh, Internet and DOS formats. For more information on Quick View go to: [Quick View](#)

Virtually Indestructible Keyboard & Optical Mouse

The Virtually Indestructible Keyboard is a flexible, silicon-based keyboard that not only is washable, but is useful in deterring carpal tunnel syndrome. The Optical is a standard Optical mouse with a PS/2 connection.



Forensic Write Protection Bridges

NOTE: If you are unaware of the symbols for FireWire please refer to the Glossary for examples.

Tableau T3u Forensic Bridge

The Tableau T3u can be used to connect to FireWire400, FireWire800, USB 1.1 and 2.0 devices to extract data from another computer. The T3u has a SATA and a power connection on its right side. (PN: T3u)

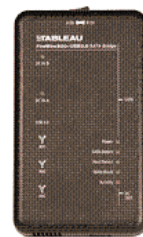


Tableau T4 Forensic Bridge

The Tableau T4 Forensic Bridge is a write-blocker for use with SCSI (Small Computer Systems Interface) hard disks. The T4 is identifiable from the T3u by the SCSI port located on its right side. (PN: T4)



Tableau T14 READ ONLY Forensic Bridge (Black)

The Tableau T14 Pocket IDE Bridge is very small and will fit into the palm of your hand. One can directly attach the T14 to a typical hard drive, therefore using the T14 as one would use any other forensic bridge.

NOTE: The TC-17 is a "Y" cable power connector for the T14, T14-RW and the T15 is (PN: T14)



Tableau T14 READ/WRITE Forensic Bridge (Yellow)

The Tableau T14-RW Pocket IDE Bridge is very small and will fit into the palm of your hand. One can directly attach the T14-RW to a typical hard drive, therefore using the T14 as one would use any other forensic bridge. (PN: T14-RW)



Tableau T8 Forensic Bridge

The Tableau T8 USB Forensic bridge works with mass storage devices like USB thumb drives, external USB hard drives, Apple iPod's that have USB interfaces, and even USB-based cameras with card-reader capability. (PN: T8)



Cables

Tableau SCSI Ribbon Cable

The TC10-8 SCSI ribbon cable is a high-quality, 68-conductor SCSI cable with standard high-density 68-pin SCSI connectors at each end. There are pull tabs at each end to make the cable more rugged. (PN: TC10-8)



50-pin SCSI Single Position Flat Ribbon Cable



P9-P9 FireWire Cable

The P9-P9 FireWire cable is a six feet in length. The P9 stands for the nine parallel wires inside of the cable. FireWire400 uses P4 or P6 connectors that have four or six parallel wires inside of the cable.



Mini Type B USB Cable

The Mini Type B to USB cable has a type A connector on one end and a type B mini USB connector on the other end.



8" Red SATA Flat Cable

The eight inch SATA cable is a standard SATA signal cable for use with the Tableau T3u SATA Bridge. (PN: TC3-8)



Two Female to Female Molex® Power Cables (6" or 12")

The TC2-8 or female to female Molex® power cable is designed to conduct power from a Tableau T3u, T4, or T5 forensic bridge to a subject hard drive. (PN: TC2-8)



SATA 15-pin to Female Molex® Power Cable

The TC5-8 or SATA 15-pin to female Molex® cable is an eight inch power cable with a 4-pin female Molex® connector on one end (white) and a 15-pin SATA style power connector at the other end (black). The TC5-8 is intended to conduct power from a Tableau T3u to a subject SATA hard drive. (PN: TC5-8)



6" USB Extension Cable

The 6" USB Extension Cable is a type A Male to Female USB extension cable, allowing one to extend an existing USB 2.0 connection.



Tableau TC-17 "Y" Cable

The TC-17 "Y" Cable is used to provide a power connection from the Tableau T2 Power Switch to a T14, a T14-RW or a T15 Forensic Bridge. There are two Molex[®] style connectors and one 4-pin "floppy" style power connector. To remove either of the connectors from a device, one must grasp the plastic housing of the Molex[®] or the 4-pin "floppy" or Berg connectors and gently pull or rock the plastic housing from side to side. Do NOT pull by the wiring, as this will disrupt the electrical connection. (PN: TC-17)



Adapters

50-pin Male/68-pin Female SCSI Adapter

The 50-pin Male to 68-pin Female SCSI adapter converts a 50-pin SCSI cable to a 68-pin Female connection.



P6 Adapters

The P6 Fire Wire adapters are used to convert FireWire400 P6 cables to a FireWire800 P9 connection. (PN: TCA7-6-9)



P4 Adapters

The P4 FireWire adapters are used to convert FireWire400 P4 cables to a FireWire800 P9 connection. (PN: TCA7-4-9)



HP68 to SCA-80 Adapter with Instructions

The HP68 to SCA-80 Adapter converts a 68-pin SCSI connection to a SCA-80 SCSI connection.



Tableau 1.8 IDE Notebook Adapter

The Tableau 1.8 IDE Hard Disk adapter allows the user to connect to a 1.8 IDE Notebook hard drive to a 40-pin IDE cable. The Tableau 1.8 IDE Hard Disk adapter also has a 50-pin male laptop drive connector and a 4-pin standard Molex[®] power connection. (PN: TDA5-18)



Tableau 2.5 IDE Notebook Adapter

The Tableau 2.5 IDE Hard Disk adapter allows the user to connect to a 2.5 IDE Notebook hard drive to a 40-pin IDE cable. The Tableau 2.5 IDE Hard Disk adapter also has a 44-pin female laptop drive connector and a 4-pin standard Molex[®] power connection. (PN: TDA5-25)



Power Assembly

Tableau TP1 Power Bricks

The TP1 uses the international IEC standard power plug, making compatible with inexpensive IEC-compatible AC line cords worldwide. (PN: TP1)



Tableau T2 Switches

The Tableau T2 power switch is used to connect the Tableau TP1 power supply to a device (e.g. a hard drive). By using the T2 one can safely connect and disconnect a device from a power supply without having to turn OFF the power supply itself. (PN: T2)



PC Power Cords

The PC Power cords are to power the TP1 power brick and the items that are connected to it.



Digi-Drive

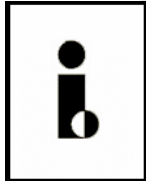
The Addonics Mini Digi-Drive (READ ONLY) 12-in-1 Flash Media Reader is capable of accessing twelve different popular digital media types including CF-I, CF-II, Smart Media™, Memory Stick™, Memory Stick Pro™, Micro Drive™, Multimedia Card™ and Secure Digital Card™. (PN: ADD-RO)



Set-Up

Glossary

FireWire Symbols



a.

b.

The above symbols represent the IEEE1394 standard. These symbols will help you identify products that are compatible with computers and cameras that use this standard. The

FireWire symbol on the left (a) is a trademark of the Apple Corporation. The i. Link symbol on the right (b) is a trademark of Sony Corporation.

Molex® - A type of power connection used the computer industry, which has a plastic end attached to four wires: one yellow (12V), one red (5V) and two black (ground). There are female and male Molex® connectors.



SATA – (Serial Advanced Technology Attachment) SATA is a computer information transfer system specifically designed to transfer data from and to a hard drive.

SCSI – (Small Computer Systems Interface) SCSI is pronounced “skuzzy”. To see drawings of the different types of SCSI connectors go [here](#).

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