

Section 6A – Karrera & Kayenne Technical Frames



6A - 1

Karrera & Kayenne 1.5G and 3G Frames

- Frames
 - 4 RU & 8 RU - 1.5G
 - 6 RU & 13RU - 3G – K-Frame
 - Power Supplies
 - Boards
- Troubleshooting / Diagnostics
 - Frame Diagnostics Methods:
 - Web Browser
 - Telnet
 - FTP
 - VGA & Keyboard
 - Serial & Hyper Terminal



6A - 2

Section 6 A/B – Objectives

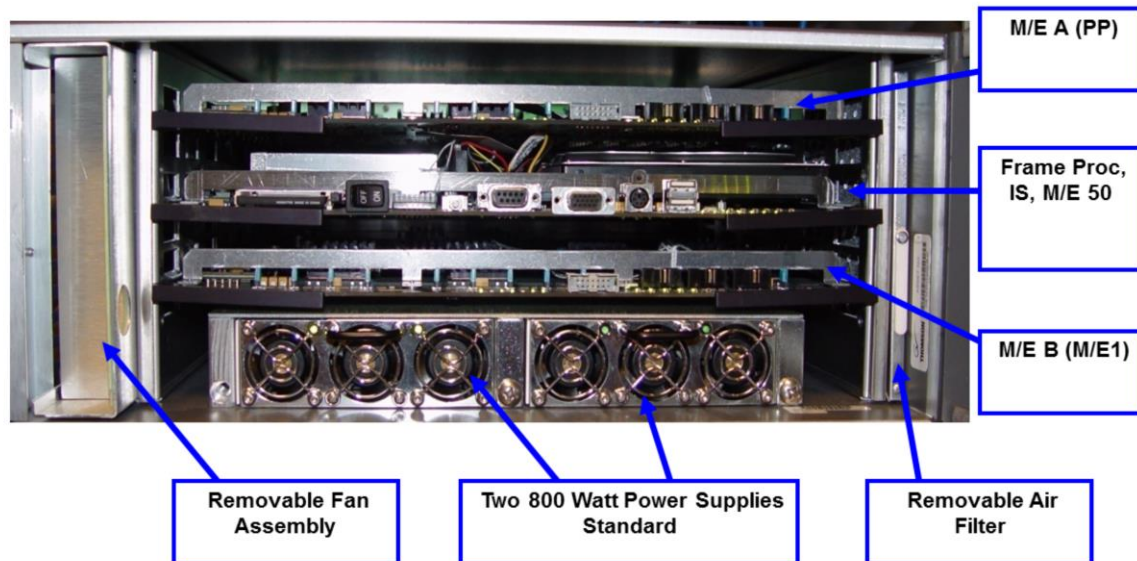
Section Objectives

- Understand the components of the Kayenne/Karrera 1.5G Frame
- Understand the components of the Kayenne/Karrera 3G K-frame
- Know how to troubleshoot the frame modules, fans and Power supplies
- Know the location of the frame ID and Licensing information
- Be able to identify the various connections to the frames
- Know how to access the frame html pages
- Know how to set Frame and IS IP parameters
- Understand where files and software are stored in the frames
- Know how to access the Frame log files and examine them
- Know how to save the system diagnostic data and send to Grass Valley
- Understand the basic file structure used within the frame
- Know the main dip switch functions on the control processor module



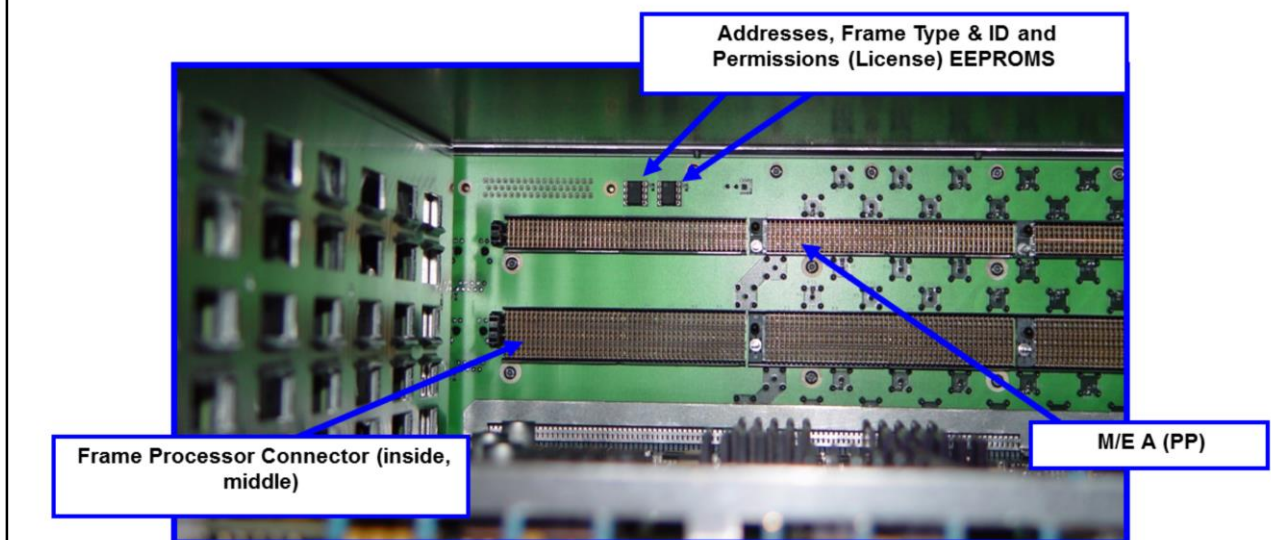
6A -3

Karrera & Kayenne 1.5G 2 M/E (4 RU) Frame



6A - 4

Frame IP Address Location

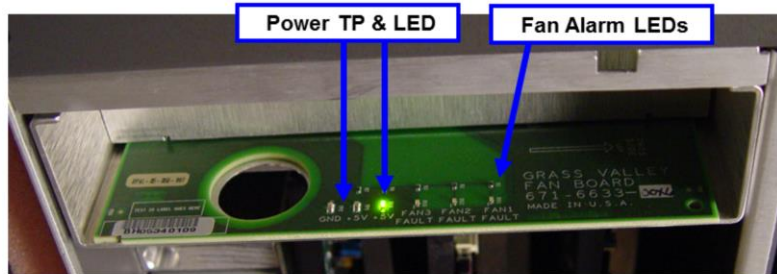


6A - 5

Backplane Hardware

- The IP address of the Frame Processor and Image Store, the system permissions (or software license options), last Operating Video Format are stored on two socketed EEPROMS on the Mother board, above the M/E A slot connector.
- The System Name, Type (Kayenne or Karrera) and Serial Number are also stored on these EEPROMS. This is also the registered customer ID number.
- When replacing the frame or the Mother Board, the licenses must be upgraded to the new frame. Either work with Customer Service to get a new license to install OR install the old programmed EEPROMS from the old frame into the newer frame with care.

4 RU Three - Fan Board



6A - 6

4 RU Frame Cooling

- The fan assembly on the left side of the frame is removable without shutting down the switcher.
- There are 3 fans each with their own alarm LEDs as well as plus 5 Volt indication and test points.

2 M/E Frame Connections (1)

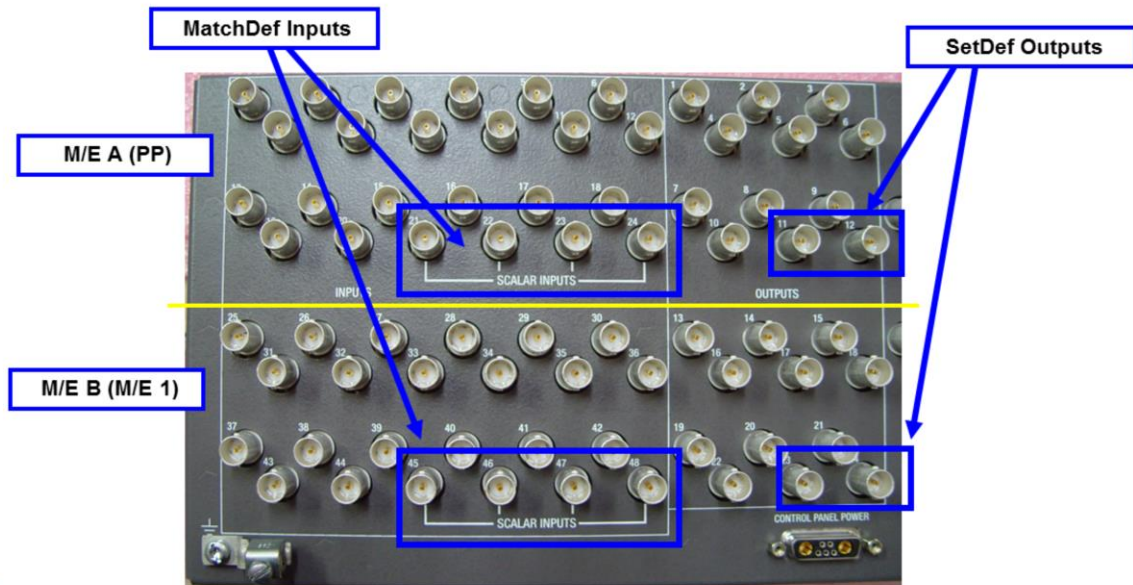


6A - 7

Frame Connections

- All input and output connections are fixed in the frame. No rear slot boards are used in this frame.
- Each M/E board has its own tally (24) and GPI/O connections (8).
- The frame can source 48 V.D.C. to the Panel up to a distance of 100' but is not used in Kayenne or Kayenne – XL applications.

2 M/E Frame Connections (2)

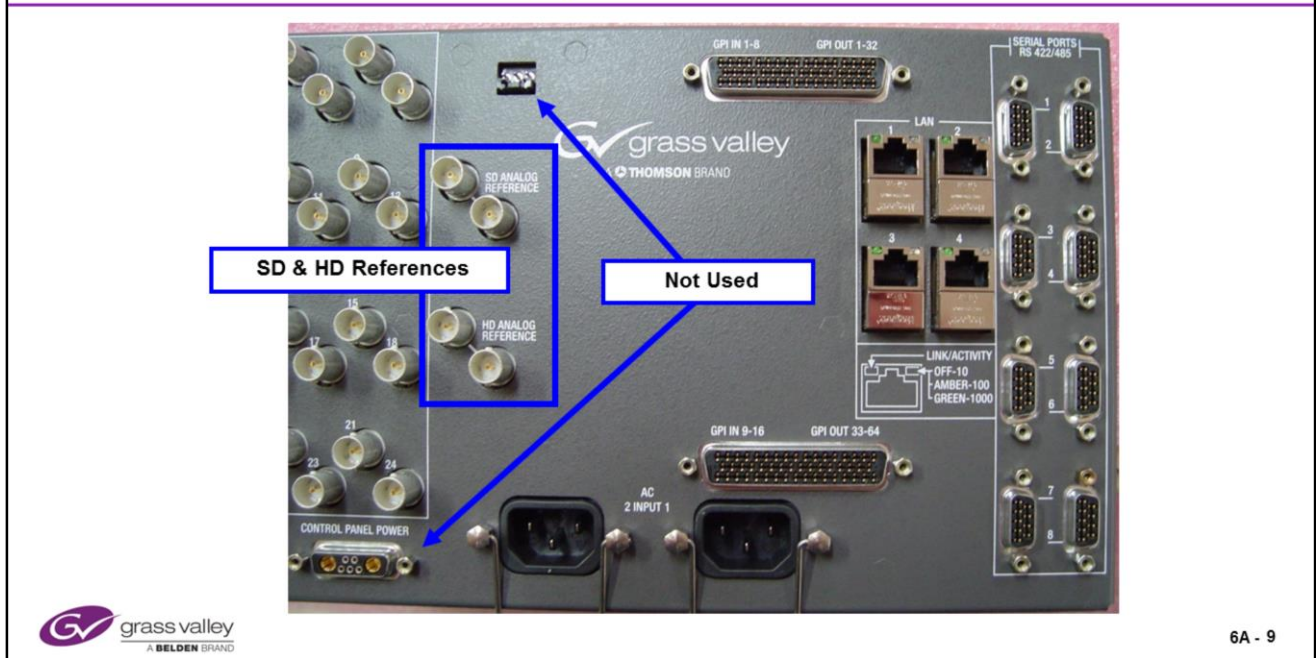


6A - 8

Frame Connections

- The last 4 inputs of each M/E are scalable. These inputs are not restricted to current switcher operating format. They must be in the same vertical rate (50 or 59.94, etc).
- Each M/E has 12 outputs. The last two of each output group (11 & 12 or 23 & 24) may be configured for the option "SetDef" This is an output Scalar and works as described above.
- All Aux Busses can have safe title applied on an individual basis.
- The Control Panel Power Connector is NOT used in Kayenne or Kayenne – XL applications.

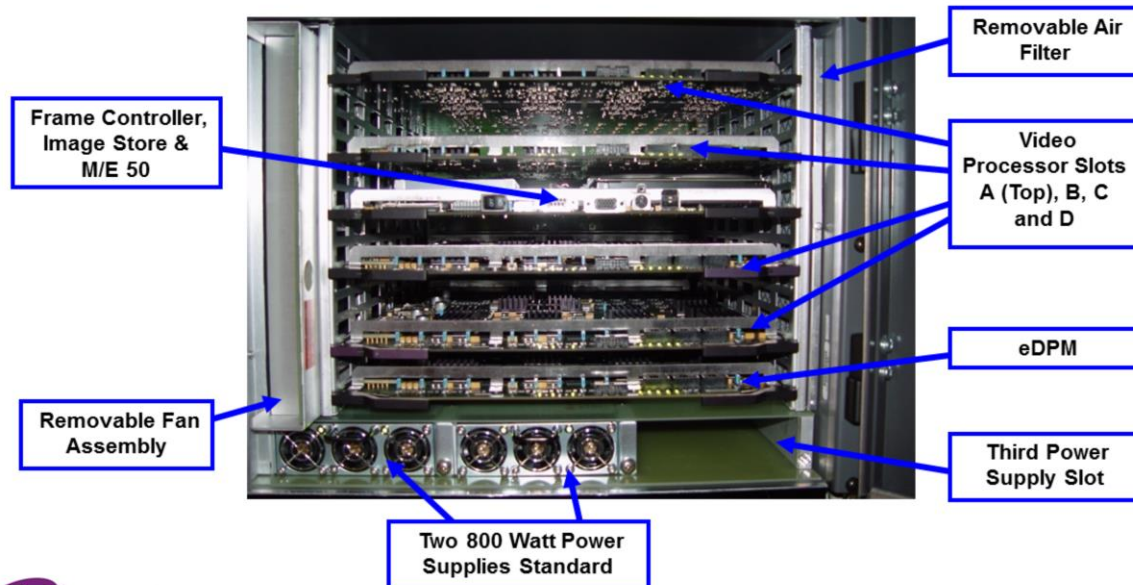
2 M/E Frame Connections (3)



Frame Connections

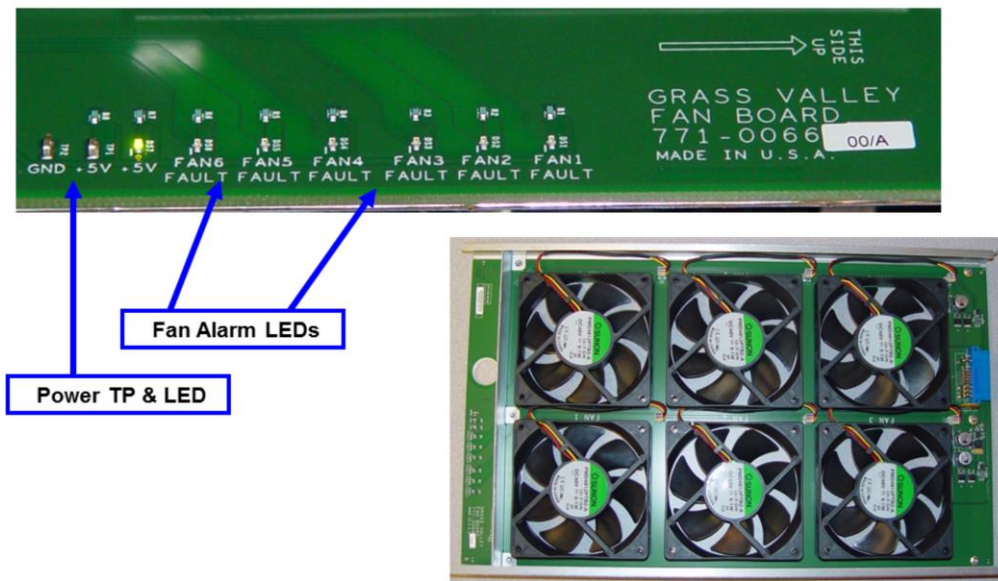
- Eight DB-9 connectors are supplied for any RS-422 or RS-485 purpose (except CPL).
- Four RJ-45 connectors are provided to connect to the panel hardware and other equipment requiring communication with the Kayak. These ports connect to an internal six port 10/100/1000 MHz switch located on the frame processor.
- Link and connect speed LEDs are a part of each RJ-45 connector.
- Analog loop through reference connectors are provided for both SD and HD operation. Color Black is required for SD and Tri-Level Sync for HD.
- Color Black (525 or 625) is required as a reference input on this frame for SD operation. TRI-Level Sync (720p or 1080i) is required as a reference input on this frame for HD operation. Note the different sets of loop through BNC jacks. Please ensure that these inputs are either looped through to another device or properly terminated.
- Note: If TRI-Level Sync is not desired or unavailable for HD operation, A menu selection will allow any of the serial digital video inputs to be selected as an active reference source. Warning: If a video source is selected, this source must always be there to prevent the frame from unlocking.

Karrera & Kayenne 4 M/E (8 RU) Frame



6A - 10

8 RU Six - Fan Board



6A - 11

8 RU Frame Cooling

- The fan assembly on the left side of the frame is removable without shutting down the switcher.
- There are 6 fans each with their own alarm LEDs as well as plus 5 Volt indication and test points.
- If you remove the assembly, be careful as the fan blades are still turning.
- The below message will appear on the menu or any other PC running the menu application:

Error:



CHASSIS: 6 FANS FAILED

OK

Karrera & Kayenne 1.5G 4 M/E (8 RU) Frame



6A - 12

1.5G Frame Power Supplies (1)



A.C. Present
LED

D.C. Good
LED

Unscrew 12-24 screw to
remove power Supply.
Supply will move out as
screw is rotated.

Removable Air Filter

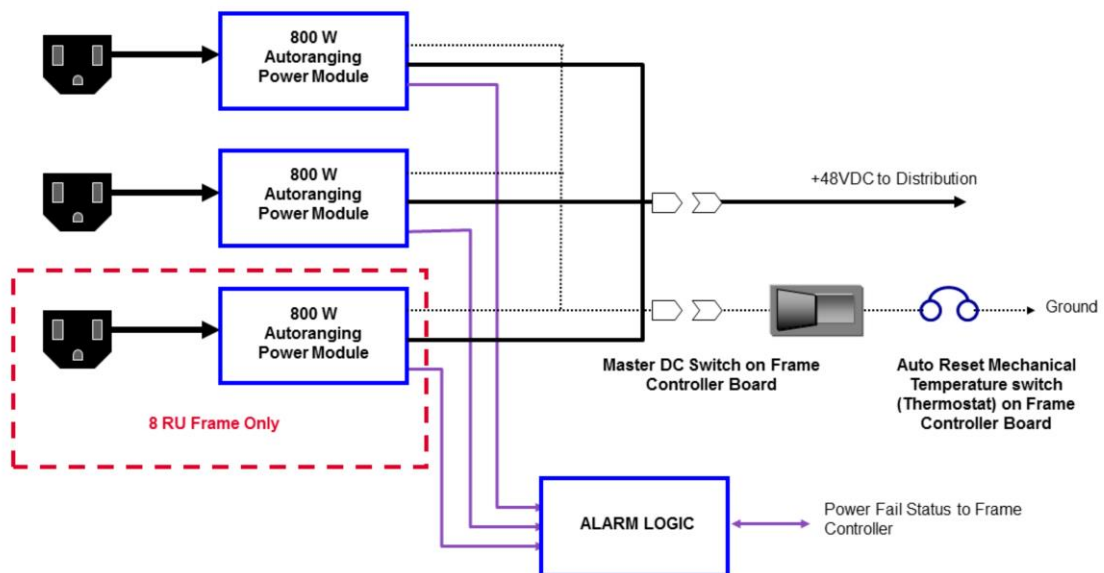


6A - 13

Video Frame Power Supplies

- All power supplies are auto ranging and will operate from 85 to 264 Volts, 47 to 63 Hertz.
- Each Power Supply has its own IEC power connection on the back of the frame.
- Each power supply provides 48 Volts D.C. and is capable of sourcing 16.7 Amps (800 Watts).
- The 4RU frame contains spaces for 2 supplies (1 standard). The 8 RU frame contains spaces for 3 supplies while 2 being standard.
- Each power supply has internal temperature sensors.

1.5G Frame Power Supplies (2)

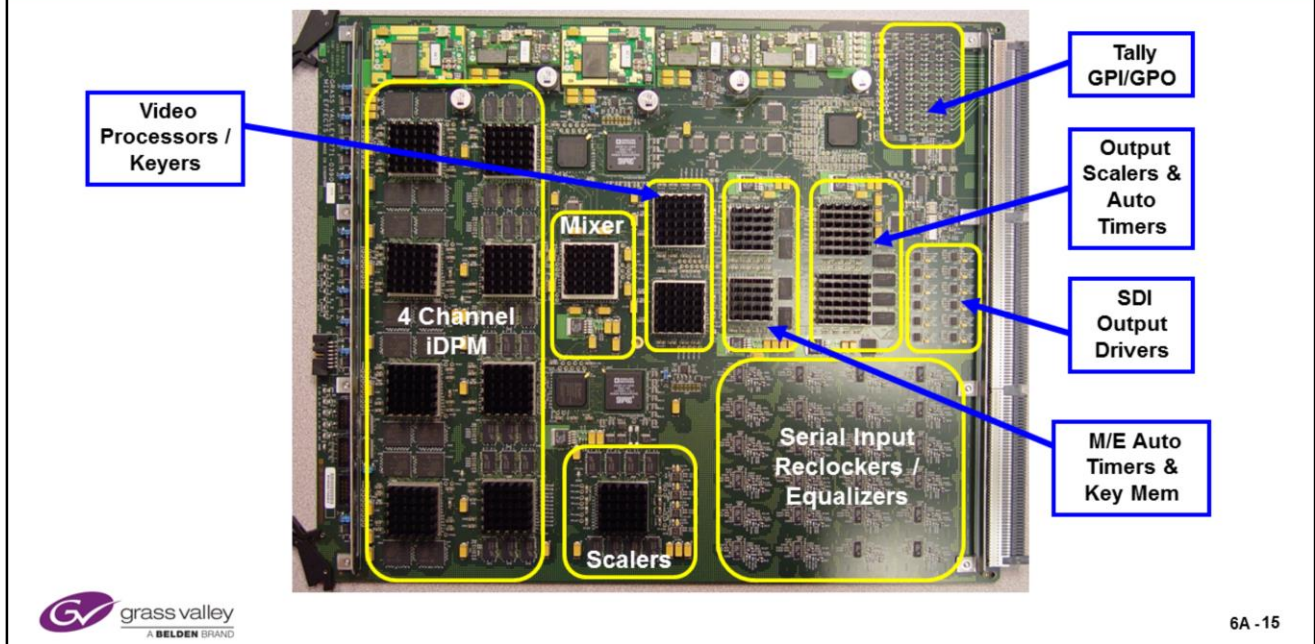


6A - 14

Power Supply Module

- The same power supplies are used for both the 2 M/E and the 4 M/E frames.
- The master DC switch is located on the switcher frame processor board.
- One power supply is standard with the 2 M/E (4RU) switcher and the second is an option.
- Two power supplies are standard with the 4 M/E (8RU) switcher and the third is an option.
- All power supplies are hot swappable and true load sharing.
- The power supplies will run on anything from 85 to 264 Volts A.C. at 47 to 63 Hertz.
- The power supplies are controlled by a series D.C. ground circuit. The switch and mechanical thermostat on the Frame Controller board are in the circuit.
- The Thermostat will shut the power supplies down when the temperature reaches 75 degrees C (167 F). This device will close the circuit when the temperature drops 5 to 8 degrees C.

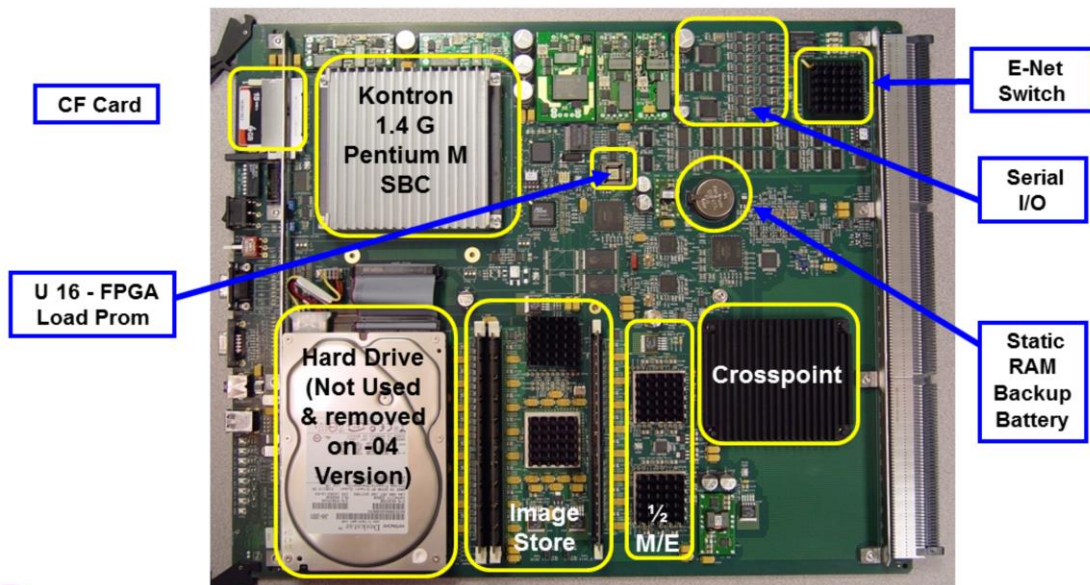
1.5G Video Processing Board - Mix Effects



Video Processing Board – Mix Effects

- M/E boards may use the Kalypso extender board.
- These boards are Hot Pluggable.
- As this is a “Universal” Video Processing Module, this board may be used in the Option slot of the 8 RU frame as the eDPM board. The frame must be licensed to operate in this mode.
- The previous version of this board (771-0361-xx) does not contain the optional Output Scalar hardware. The current version board assembly number is: 771-0390-xx.
- This board is also available as an Input / Output Expander Module. It is the same assembly as the M/E board but de-populated. It only contains input and output circuitry. This is used where there are empty M/E slots but the additional frame inputs or outputs are needed. The part number is 771-0361-50.

1.5G Frame Controller (1)

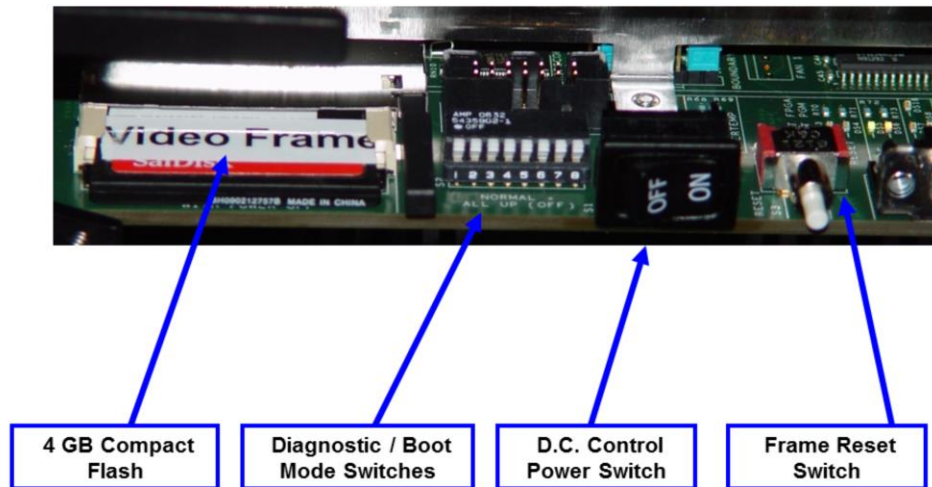


6A - 16

Frame Controller

- The Frame processor used in Kayenne for Software Versions 1 through 3 run Phar Lap as an operating system. Starting with Version 4.0, Karrera and Kayenne will use a new frame processor board version, 771-0060-04. This board will Run VX Works as the operating system. The -04 board also does not have the Hard Drive installed. Earlier versions had a Hard Drive installed but it was not used.
- The Crosspoint Chip is a 144 in X 144 out part. This is the highest temperature point in the frame. The Thermostat in the power control circuit is located between the Battery and Crosspoint circuits. This part trips and shuts the power off at 75 degrees C (167 F).
- Compact Flash is 4 GB in size and holds all E-MEMS, Configurations, NV RAM. A new 16 GB Lexar Professional CF card is used starting in late 2011.
- The socketed lithium battery supports the volatile static RAM. This RAM holds the current OP or operation state, time and date. This is the operating status and information of the switcher at the moment.
- The processor is a Pentium 1.8 GB Kontron single board computer. It is running at 1.4 GB to reduce heat and reliability.
- The BNC located on this board may be controlled as a crosspoint output to provide any source in the switcher for test purposes. It is connected to crosspoint output #136 (Timing Analyzer).
- Earlier Kayak HD Frame Processors may be used for Kayenne but U16, the Compact Flash and Kontron memory must be changed. Kontron memory goes from 500 MB to 1GB.

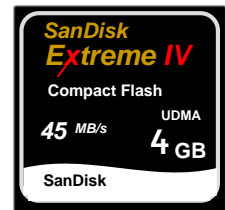
1.5G Frame Controller (2)



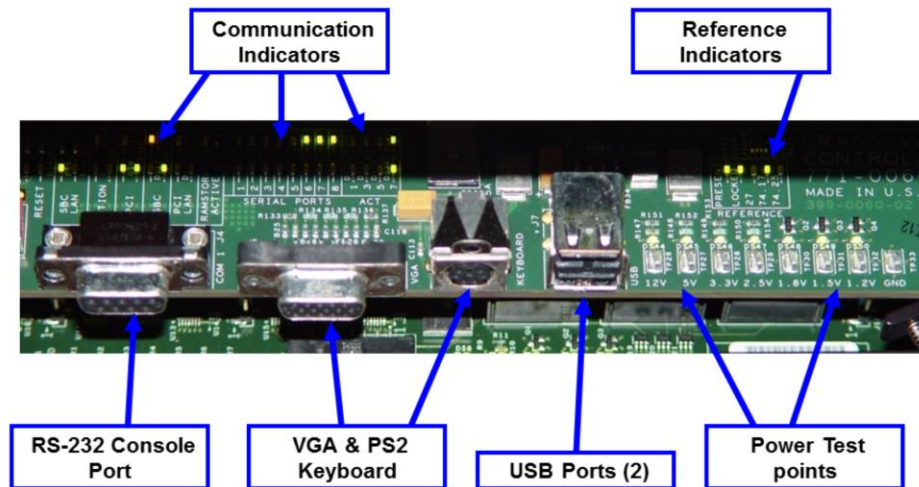
6A - 17

PCU CF Card

- The Compact Flash currently qualified by Engineering for both the PCU and Frame Controller is a 4 GB 300X Speed, 45MB/S UDMA (Ultra Direct Memory Access) enabled card.
- Currently, the only brand qualified for the 4 GB CF card is the SanDisk Extreme IV.
- The Lexar Professional CF card is the only qualified one currently for the 16 GB variety. This card is used on the latest versions of the Frame Processor, PCU and Karrera Panel processors.
- The Video Frame Processor uses GV programmed part number 163-8444-00 while the PCU frame uses 163-8438-00.
- Even though the Kayak HD-XL uses the same PCU Processor and Frame Processor boards as the Kayenne, the Kayak versions use a different part number for the CF cards. The PCU CF card is 163-8439-00 and the Frame uses a 163-8419-03 CF card.
- For normal boot, all switches are off!



1.5G Frame Controller (3)

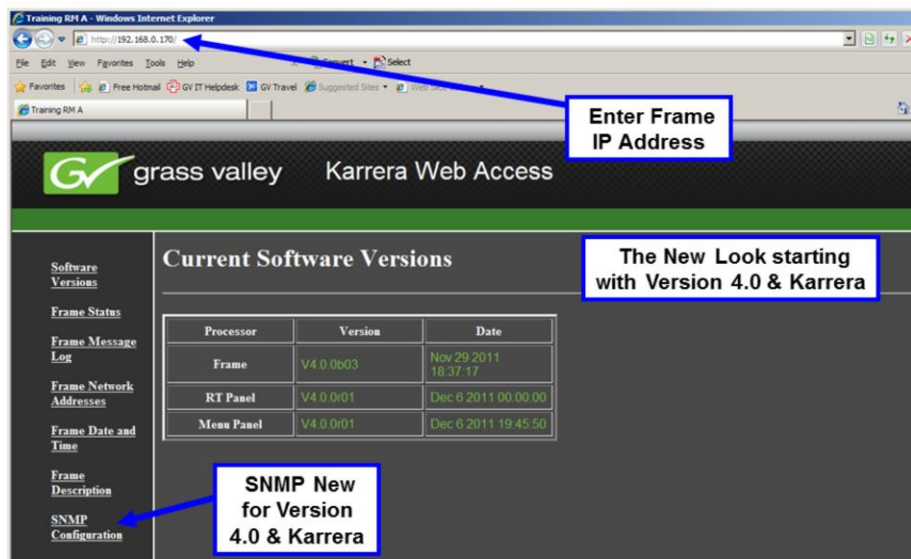


6A - 18

Frame Controller Connections

- The Frame Controller card has a VGA and PS-2 Keyboard connection for basic diagnostics and setting the ROM Bios.
- The VGA port may be needed for certain diagnostic function if performed by a Telnet session. Not all terminal functions report to the Telnet session even though controllable by Telnet. They are all seen on the VGA port.
- The Frame Controller card has a RS-232 (DB-9) connector to be used for a terminal Session. This is configured for a straight serial connection at 9600, 8, N, 1. This is currently not supported.

1.5G Frame Diagnostics – Web Browser (2)



Enter Frame IP Address

The New Look starting with Version 4.0 & Karrera

Processor	Version	Date
Frame	V4.0.0b03	Nov 29 2011 18:37:17
RT Panel	V4.0.0r01	Dec 6 2011 00:00:00
Menu Panel	V4.0.0r01	Dec 6 2011 19:45:50

SNMP New for Version 4.0 & Karrera

1.5G Frame Diagnostics – Web Browser (3)

Software Versions

Frame Status

Frame Message Log

Frame Network Addresses

Frame Date and Time

Frame Description

SNMP Configuration

Current Frame Status

SNMP Status

SNMP : Enabled

Power Supply and Chassis Status

Power Supply 1 Status : Present OK
Power Supply 2 Status : Present OK
Power Supply 3 Status : Not Present
Chassis Temperature : Normal

Fan Board Status

Fan Board present

Fan	State	Speed
1	OK	3780 RPM
2	OK	3780 RPM
3	OK	3840 RPM
4	OK	3780 RPM
5	OK	3780 RPM
6	OK	3840 RPM

Select Desired Section



1.5G Frame Diagnostics – Web Browser (4)

[Software Versions](#)

[Frame Status](#)

[Frame Message Log](#)

[Frame Network Addresses](#)

[Frame Date and Time](#)

[Frame Description](#)

[SNMP Configuration](#)

Video Sync Status

Reference Signal : Present
Reference Lock : Locked
Video Frame Rate : 59.94Hz
Vertical Resolution : 1080
Scan Type : Interlaced

Disk Space Status

Available : 14,977,761,280 Bytes
Capacity : 15,133,031,424 Bytes

Frame Board Status

Slot	Board	Present	ID	Rev.	Power	State
	Controller	Yes	60	0	OK	Configured
A	ME A	Yes	90	0	OK	Configured
B	ME B	Yes	90	0	OK	Configured
C	ME C	Yes	90	0	OK	Configured
D	ME D	Yes	90	0	OK	Configured
O	Option(eDPM)	Yes	90	0	OK	Configured



1.5G Frame Diagnostics – Web Browser (5)

[Software Versions](#)

[Frame Status](#)

[Frame Message Log](#)

[Frame Network Addresses](#)

[Frame Date and Time](#)

[Frame Description](#)

[ImageStore](#)


Kayenne Frame Message Log: c:\logs\log1.txt

[Previous](#)
[Current](#)
[Next](#)

These selections will shift between 20 Log Files held in a circular buffer.

```

I 05 Jun 2009 17:08:09 (0) =====
I 05 Jun 2009 17:08:09 (0) Kayenne Frame
I 05 Jun 2009 17:08:09 (0) Copyright Grass Valley.
I 05 Jun 2009 17:08:09 (0) All Rights Reserved.
I 05 Jun 2009 17:08:09 (0) Version V1.0.0a33, built Jun 1 2009 09:19:21
I 05 Jun 2009 17:08:09 (0) =====
- 05 Jun 2009 17:08:09 (0) Kayenne Frame
- 05 Jun 2009 17:08:09 (0) Copyright Grass Valley.
- 05 Jun 2009 17:08:09 (0) All Rights Reserved.
- 05 Jun 2009 17:08:09 (0) Version V1.0.0a33, built Jun 1 2009 09:19:21
- 05 Jun 2009 17:08:09 (0) =====
- 05 Jun 2009 17:08:09 (0) scWriteConsoleOperation() address for Kayenne: 0x00149600
- 05 Jun 2009 17:08:10 (0) CMissouriChassis::initPCIDevices: PCI BIOS, version 2.10, found at 0x000FD954
- 05 Jun 2009 17:08:10 (0) Memory Size: 0x3f700000 (nominal: 0x40000000) bytes
- 05 Jun 2009 17:08:10 (0) 2 (out of 3 possible) power supply units present
- 05 Jun 2009 17:08:10 (0) Boot Switch value: 0x00
- 05 Jun 2009 17:08:10 (0) Configuring SynGen FPGA from "c:\FPGA\mosynca.rbf"
- 05 Jun 2009 17:08:10 (0) SynGen FPGA configured successfully
- 05 Jun 2009 17:08:10 (0) Configuring HalfNEO FPGA from "c:\FPGA\moehdha0a.rbf"
- 05 Jun 2009 17:08:11 (0) HalfNEO FPGA configured successfully
- 05 Jun 2009 17:08:11 (0) Configuring HalfME1 FPGA from "c:\FPGA\moehdha1a.rbf"
- 05 Jun 2009 17:08:12 (0) HalfME1 FPGA configured successfully
- 05 Jun 2009 17:08:12 (0) Configuring RAMStore FPGA from "c:\FPGA\moehdrb.rbf"
- 05 Jun 2009 17:08:13 (0) RAMStore FPGA configured successfully
- 05 Jun 2009 17:08:13 (0) Configuring RAMInput FPGA from "c:\FPGA\moehdrata.rbf"
- 05 Jun 2009 17:08:14 (0) RAMInput FPGA configured successfully
- 05 Jun 2009 17:08:14 (0) Image Store load thread started
- 05 Jun 2009 17:08:14 (0) ---Board detected in slot A
- 05 Jun 2009 17:08:14 (0) ---Board detected in slot B
- 05 Jun 2009 17:08:14 (0) ---Board detected in slot C
- 05 Jun 2009 17:08:14 (0) ---Board detected in slot D
                    
```



grass valley
A BELDEN BRAND

6A - 22

1.5G Frame Diagnostics – Web Browser (6)

Software
Versions

Frame Status

Frame Message
Log

Frame Network
Addresses

Frame Date and
Time

Frame
Description

SNMP
Configuration

Frame Network Addresses

Facility LAN

IP Address : 192.168.0.170

Subnet Mask : 255.255.255.0

Gateway IP : 192.168.0.1

Image Store LAN

IP Address : 192.168.0.171

Subnet Mask : 255.255.255.0

Gateway IP : 192.168.0.1


Save New Settings

Note: After changing IP addresses, you must reboot the frame for them to take effect

Caution: Changing a network address to an incorrect value may render the system inoperable



1.5G Frame Diagnostics – Web Browser (7)



Kayenne Web Access

[Software Versions](#)
[Frame Status](#)
[Frame Message Log](#)
[Frame Network Addresses](#)
[Frame Date and Time](#)
[Frame Description](#)
[ImageStore](#)

Frame Date And Time


Date

Day : Range 1 to 31
Month : Range 1 to 12
Year :

Time

Hour : Range 0 to 23
Minute : Range 0 to 59
Second : Range 0 to 59

1.5G Frame Diagnostics – Web Browser (8)



[Software Versions](#)

[Frame Status](#)

[Frame Message Log](#)

[Frame Network Addresses](#)

[Frame Date and Time](#)

[Frame Description](#)

[ImageStore](#)

Kayenne Web Access

Frame Description

Description

Name :

Asset Tag :

Location :

New fields allow the saving of Customer Information.

(A blue arrow points from the box above to the 'Asset Tag' input field.)

1.5G Frame Diagnostics – Web Browser (9)

[Software Versions](#)
[Frame Status](#)
[Frame Message Log](#)
[Frame Network Addresses](#)
[Frame Date and Time](#)
[Frame Description](#)
[SNMP Configuration](#)

SNMP Configuration

SNMP

SNMP Status : Enabled

Enable/Disable : ☒

Trap IP Address 1 :

Trap IP Address 2 :


Trap IP Address 3 :

Community Name :

Note: The Community Name will default to 'public' if none is entered

1.5G System Diagnostics – Menu

StatusEng SetupNode SettingsEng SetupPatternsWipesPanel PresetsUser SetUser SetMISCScene OpsAcquire ResourcesEng SetupTest PatternsEng SetupInstall OptionsEng SetupHistoryFavoriteseDPM SWRUser SetupFile OpsE-MEM & TimelineMacrosSource OpsMEKayerIDPMWipesDevicesImage StoreRouterEng Setup

**KAYENNE**
grass valley VIDEO PRODUCTION CENTER

Node Name	Control Surface	Node Type	IP Address	Version	Date
Frame		Video Proc Frame	192.168.0.170	V1.0.0a33	Jun 1 2009
ImageStore		Image Store	192.168.0.171	V1.0.0a33	Jun 1 2009
Low's PC	2 A	Menu Panel	192.168.0.55	V1.0.0a33	Jun 01 2009
TR A PC	2 A	Menu Panel	192.168.0.51	V1.0.0a33	Jun 01 2009
Touch Screen	1 A	Menu Panel	192.168.0.175	V1.0.0a33	Jun 01 2009
Panel (52)	2 A	RT Panel	192.168.0.178	V1.0.0a33	Jun 1 2009

Selecting will Capture Diagnostic Data from the Frame, Menu and Panel Processors

Menu VersionVer a33V1.0.0Minimize Menu

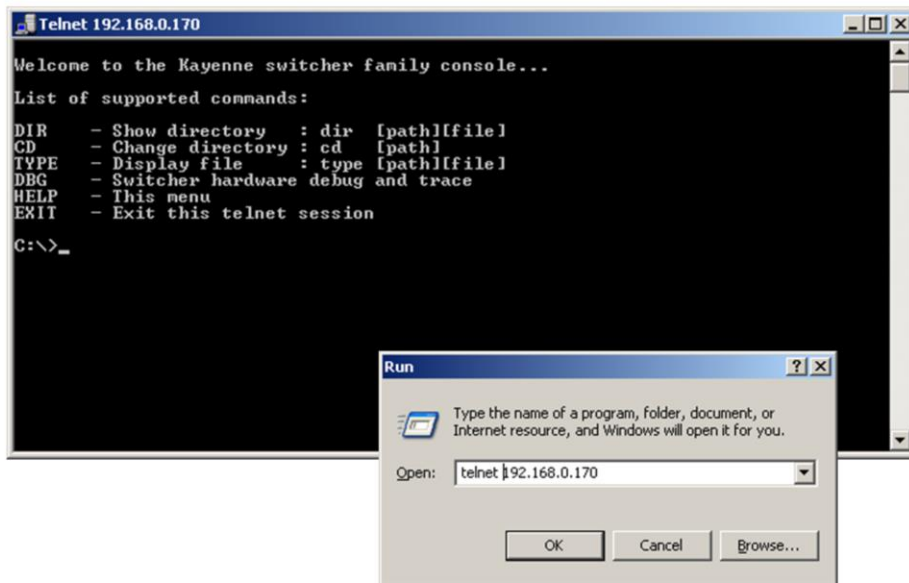
Memory UsageMemory 3.36%Exit Menu

Capture Software Diagnostic DataShutdown Menu Computer

Eng LogonSetDef MatchDefSource DefinitionOutputsPorts & DevicesRelay TallyRouterVideo SettingsNode SettingsInstall OptionsTest PatternsStatusSave LoadAcquire Resources



1.5G Frame Diagnostics – Telnet (1)



1.5G Frame Diagnostics – Telnet (2)

```

Telnet 192.168.0.170
C:\>dir

Volume in drive C has no label.
Volume Serial Number is N/A

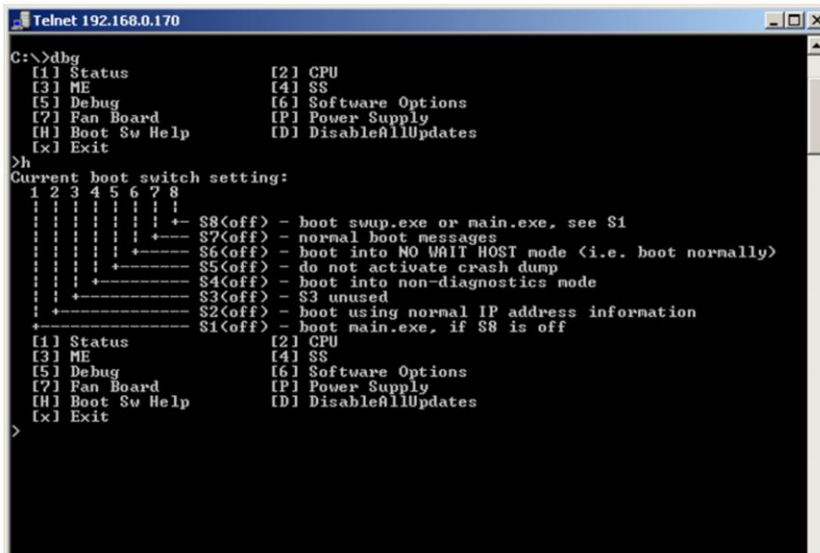
Directory of C:\*.

DISKMON.BIN           33158      06/25/2007  00:21
MSUCRT.DLL            266293     06/04/2009  13:47
FIPSERVE.DLL          53248      06/04/2009  13:44
SWUP.EXE              667648     06/04/2009  13:47
FPGA                  <DIR>       03/06/2009  17:02
RTOS.EXE              396096     06/04/2009  13:47
logs                  <DIR>       05/21/2009  14:16
DUMP                  <DIR>       05/21/2009  14:16
MSUCRT.BAK            266293     12/06/2007  14:40
version               9          06/04/2009  13:47
HTML                  <DIR>       01/01/2006  02:59
User                  <DIR>       05/21/2009  14:17
Options(A4).inv       640        05/22/2009  15:24
Options(A4).new       640        05/22/2009  15:24
NU                    <DIR>       05/21/2009  14:17
MMSTemp               <DIR>       06/05/2009  17:50
WRKMCRO               <DIR>       06/05/2009  19:04
mback.gif             5834       04/28/2009  13:45
mlog.gif              5164       04/28/2009  13:45
mloader.exe           5476352    06/04/2009  13:45
main.exe              20480      06/04/2009  13:44
Readme.txt            4184       06/04/2009  13:47

                22 File(s)      7196039 bytes

C:\>_
    
```

1.5G Frame Diagnostics – Telnet (3)



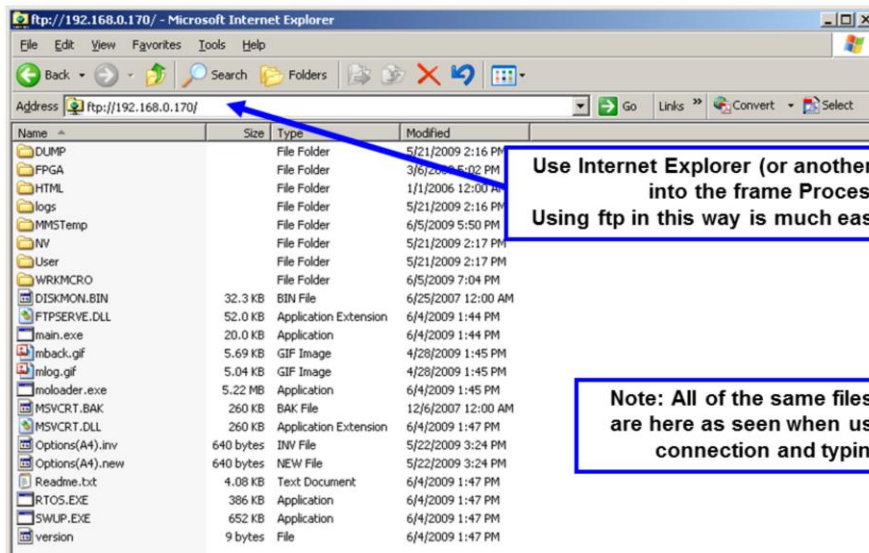
```
Telnet 192.168.0.170

C:\>dbg
[1] Status           [2] CPU
[3] ME               [4] SS
[5] Debug            [6] Software Options
[7] Fan Board        [P] Power Supply
[H] Boot Sw Help     [D] DisableAllUpdates
[X] Exit

>h
Current boot switch setting:
 1 2 3 4 5 6 7 8
| | | | | | | |
| | | | | | | | S8<off> - boot swup.exe or main.exe, see S1
| | | | | | | | S7<off> - normal boot messages
| | | | | | | | S6<off> - boot into NO WAIT HOST mode (i.e. boot normally)
| | | | | | | | S5<off> - do not activate crash dump
| | | | | | | | S4<off> - boot into non-diagnostics mode
| | | | | | | | S3<off> - S3 unused
| | | | | | | | S2<off> - boot using normal IP address information
| | | | | | | | S1<off> - boot main.exe, if S8 is off
+-----+-----+
[1] Status           [2] CPU
[3] ME               [4] SS
[5] Debug            [6] Software Options
[7] Fan Board        [P] Power Supply
[H] Boot Sw Help     [D] DisableAllUpdates
[X] Exit

>
```

1.5G Frame Diagnostics – FTP (1)



1.5G Frame Diagnostics – FTP (2)

Address <ftp://192.168.1.170/NV/> Go Links Convert Select

Name	Size	Type	Modified
srcmem		File Folder	6/4/2009 11:41 AM
suite1		File Folder	5/21/2009 2:17 PM
suite2		File Folder	5/21/2009 2:17 PM
CacheS1.nva	261 bytes	NVA File	5/21/2009 2:27 PM
CacheS1.nvb	261 bytes	NVB File	5/22/2009 4:23 PM
CacheS2.nva	123 bytes	NVA File	6/5/2009 12:04 PM
CacheS2.nvb	123 bytes	NVB File	6/5/2009 5:09 PM
EICRMAux.nva	166 KB	NVA File	6/7/2009 5:45 PM
EICRMAux.nvb	166 KB	NVB File	6/7/2009 5:44 PM
Nodes.nva	1.37 KB	NVA File	6/5/2009 5:15 PM
Nodes.nvb	1.27 KB	NVB File	6/5/2009 5:15 PM
PanelPrf.nva	29.8 KB	NVA File	6/2/2009 4:42 PM
PanelPrf.nvb	29.8 KB	NVB File	6/2/2009 3:14 PM
Panel2Prf.nva	26.8 KB	NVA File	6/2/2009 3:37 PM
Panel2Prf.nvb	26.8 KB	NVB File	6/2/2009 3:37 PM
Panel3Prf.nva	25.8 KB	NVA File	6/2/2009 3:18 PM
Panel3Prf.nvb	29.8 KB	NVB File	6/2/2009 3:53 PM
SrdMmIS1.nva	279 bytes	NVA File	6/5/2009 5:56 PM
SrdMmIS1.nvb	279 bytes	NVB File	6/5/2009 5:09 PM
SrdMmIS3.nva	241 bytes	NVA File	6/5/2009 5:09 PM
SrdMmIS3.nvb	241 bytes	NVB File	6/5/2009 5:56 PM
SrdRls.nva	162 KB	NVA File	6/4/2009 8:47 AM
SrdRls.nvb	162 KB	NVB File	6/4/2009 8:47 AM
SuitePrf.nva	71.9 KB	NVA File	6/5/2009 5:02 PM
SuitePrf.nvb	71.9 KB	NVB File	6/4/2009 9:41 AM
SysConfig.nva	87.0 KB	NVA File	6/7/2009 5:44 PM
SysConfig.nvb	87.0 KB	NVB File	6/7/2009 5:45 PM

Selecting the “NV” folder will allow all of the Configuration “XML” files to be viewed or edited.

Pre v 4.0 software all NV files will be displayed twice. Extensions .nva and .nvb will accompany the files. Every time a change is made, the backup is modified.

In software v 5.0 onwards only NVA Files will be seen.

1.5G Frame Diagnostics – FTP (3)

```

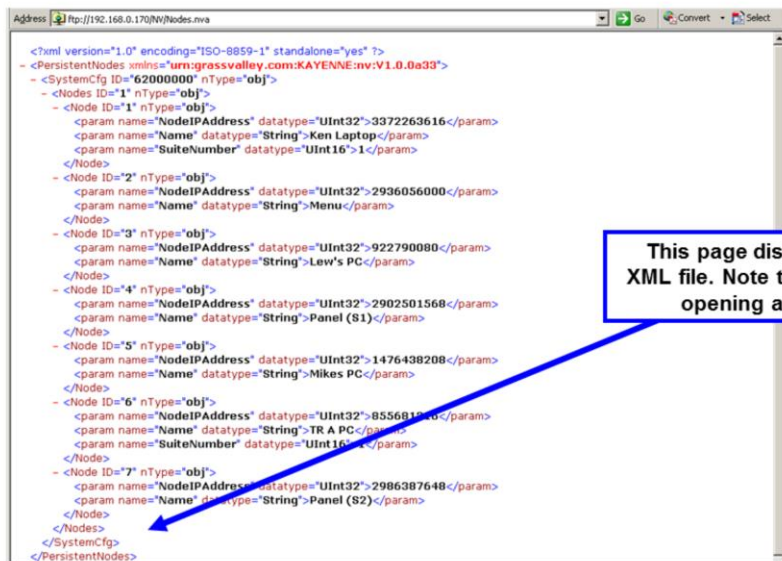
Address http://192.168.0.170/NV/SysConfig.nva
Go Convert Select

<?xml version="1.0" encoding="ISO-8859-1" standalone="yes" ?>
- <SystemConfig xmlns="urn:grassvalley.com:KAYENNE:nv:V1.0.0a33">
- <SystemCfg ID="62000000" nType="obj">
  <param name="SuiteName_1" datatype="String">home</param>
- <PeriSetup ID="1" nType="obj">
  <RouterIF ID="1" nType="obj">
    <param name="RouterTypeRouterIPAddress" datatype="String">192.168.0.7</param>
    <param name="RouterTypeRouterIPAddressSec" datatype="String">192.168.0.8</param>
  </RouterIF>
- <EditorIF ID="0" nType="obj">
    <param name="DeviceName" datatype="String">Editor 1</param>
    <param name="SerialPortNum" datatype="Int16">-1</param>
  </EditorIF>
- <EditorIF ID="1" nType="obj">
    <param name="DeviceName" datatype="String">Editor 2</param>
  </EditorIF>
- <SrcMachineIF ID="1" nType="obj">
    <param name="DeviceName" datatype="String">PVS1-1</param>
    <param name="MachineControl" datatype="State">1</param>
    <param name="VtrIfProtocol" datatype="State">2</param>
    <param name="SerialPortNum" datatype="Int16">3</param>
    <param name="SerialPortTimecodeMode" datatype="State">3</param>
  </SrcMachineIF>
- <SrcMachineIF ID="33" nType="obj">
    <param name="DeviceName" datatype="String">245</param>
    <param name="VtrIfType" datatype="State">1</param>
    <param name="MachineControl" datatype="State">5</param>
    <param name="VtrIfProtocol" datatype="State">7</param>
  </SrcMachineIF>
</SystemCfg>
</SystemConfig>

```



1.5G Frame Diagnostics – FTP (4)



```
<?xml version="1.0" encoding="ISO-8859-1" standalone="yes" ?>
<PersistentNodes xmlns="urn:grassvalley.com:KAYENNE-nv:V1.0.0a33">
  <SystemCfg ID="62000000" nType="obj">
    <Nodes ID="1" nType="obj">
      <Node ID="1" nType="obj">
        <param name="NodeIPAddress" datatype="UInt32">3372263616</param>
        <param name="Name" datatype="String">Ken Laptop</param>
        <param name="SuiteNumber" datatype="UInt16">1</param>
      </Node>
      <Node ID="2" nType="obj">
        <param name="NodeIPAddress" datatype="UInt32">2936056000</param>
        <param name="Name" datatype="String">Menu</param>
      </Node>
      <Node ID="3" nType="obj">
        <param name="NodeIPAddress" datatype="UInt32">922790080</param>
        <param name="Name" datatype="String">Lew's PC</param>
      </Node>
      <Node ID="4" nType="obj">
        <param name="NodeIPAddress" datatype="UInt32">2902501568</param>
        <param name="Name" datatype="String">Panel (81)</param>
      </Node>
      <Node ID="5" nType="obj">
        <param name="NodeIPAddress" datatype="UInt32">1476438208</param>
        <param name="Name" datatype="String">Mikes PC</param>
      </Node>
      <Node ID="6" nType="obj">
        <param name="NodeIPAddress" datatype="UInt32">855681280</param>
        <param name="Name" datatype="String">TR A PC</param>
        <param name="SuiteNumber" datatype="UInt16">1</param>
      </Node>
      <Node ID="7" nType="obj">
        <param name="NodeIPAddress" datatype="UInt32">2986387648</param>
        <param name="Name" datatype="String">Panel (82)</param>
      </Node>
    </Nodes>
  </SystemCfg>
</PersistentNodes>
```

This page displays an entire XML file. Note the syntax of the opening and closing.

1.5G Frame Diagnostics – FTP (5)

