Section 10 Exercises

The following exercises will give you the opportunity to demonstrate your knowledge of the Kayenne and Karrera Switchers Configuration, File Operations, Software updating and panel diagnostics.

An operational exercise is used to show your understanding of the functionality of the switcher.

Exercise 1 - Configuration

Objective: Configure the Switcher

Demonstrates the ability to modify switcher settings and creating backup files.

Note: Create a Show file that contains Suite, User and Engineering information in a folder. Any additional requirements will be explained by your instructor.

In the Engineering Setup menu:

Create a new source from existing input signals. (Your instructor will provide you with more details on how to do this)

Change the Program and Preview monitor settings

Set other preferences as desired

In the Panel Prefs menu:

Choose a color scheme for some sources.

Re-map some of the sources.

Set other preferences as desired.

In the Suite Prefs menu:

Use Source patch to rename some sources .

Set other ‘Prefs’ as desired, Safe title etc.

In the File Ops, Show files menu:

Create your own ‘Show’ file with your name on the menu C drive containing:

The Panel Memory registers

The Panel Prefs and Suite Prefs files.

The Engineering Setup File

Exercise 2 - Software Update

Objective: Update System software

Demonstrates the ability to update the switcher software.

Note. A different version of the software will be supplied by the instructor along with any additional requirements for this exercise.
Check with your instructor before completing the “Clear NV RAM” section.

In the Menu:

Save any existing switcher configuration and Effects as necessary.
Close the GV Switcher Menu App.
Open the Installer App.
Choose System and select your Device.
Use ‘Update All’ to update the switcher software.
Monitor the progress and allow the system to reboot

In the Installer App choose Menu and run the installer.
Select the correct menu version for your system and install.
Monitor the progress and reboot the menu when complete.

When the menu reboots verify the switcher Status is correct for the version of software that has been loaded.

Clear NV RAM (option)

In the Installer App
Choose ‘System ‘ and select your Device
Select ‘Clear NV’ and check the reboot when complete box.
Click ‘OK’
When the system reboots verify that the NV RAM was cleared.

Exercise 3 - System Operability

Objective: Verify Switcher functionality

Demonstrates the ability to check switcher operability.

Note. This exercise does not verify all components of the switcher but does check a large percentage of the hardware.

On the Panel:

Build an effect that puts up all keys on, for all MEs, on the hardware you have in your system, with each ME cascaded into the next . (ME1>ME2>ME3 etc) .

Activate all of the DPM channels available in your system. (This depends on licensing and resource allocation)

Adjust all of the DPM channels so they can be seen as a reduced size box (ie fill the screen with boxes of all the Keyer DPM channels)

Select different sources in each of the DPM Keyer boxes.

If you have Image Store and ClipStore Channels use all of these in the effect along with any other sources as desired.

In Master E-MEM Save the entire Effect into a register.

Save the Switcher configuration, Engineering Setup and the saved Effect into a Show file on a removable USB storage device.

Recalling this Effect will check the functionality of all Keyers, ME's, DPM channels, Image Store and Clip Store items in your switcher.

Exercise 4 - Panel Diagnostics

Objective: Verify Switcher Panel functions

Demonstrates the ability to check switcher panel operability.

Note. The exercise verifies the ability to be able to run the Panel Diagnostics.

On the Menu:

Open a Telnet session and connect to the panel (Karrera) or PCU (Kayenne)

Type the commands from Section 5B of this course to put the panel into diagnostic mode.

Run the appropriate tests for some of the modules (No need to do all of them)

Return the switcher to normal opertating mode when the test is compelte.

Exercise 5 - Frame Diagnostics

Objective: Capture Diagnostic Data and examine Html pages

Demonstrates the ability to save the diagnostic data and examine the Switcher HTML pages.

Note. The exercise requires the use of a web browser to access the frame Image Store (if present) and panel

On the Menu:

In the menu Status page select ‘Capture Diagnostic Data’.

Choose a location to store the file and press ’Save’.

This process takes 10-15 minutes.

Return to the main menu when complete.

On the menu (or another PC)

Open a web browser.

Browse to the frame IP address (Panel or Image Store IP)

Examine the web pages to verify system operation.

On the ‘Logs’ page find the last system reboot and examine the start up sequence for errors.

Ask your instructor if you have any questions.