

# Grass Valley Learning

April 2025 Edition



# Grass Valley Learning

In a transforming media landscape, does your business have the new skills to keep pace?

## Leading the Media Revolution with World-class Learning

In today's fast-paced world, staying ahead of the competition means businesses need to:

- Boost employee performance and productivity
- Achieve cost efficiency
- Adapt swiftly to changes

At Grass Valley, we understand the importance of optimizing job performance and operations, as well as identifying and closing competence gaps. That's why we offer clear pathways to developing expertise.

### Meet Our Team

The GV learning team comes with the quality you expect from us.

Every member undergoes regular training and assessments to sharpen both their technical and learning delivery skills.

We don't just rely on our extensive experience; we also work with industry experts to ensure our programs are relevant, cost-effective, and impactful for you.

### GV Learning Programs

Our programs include specialized learning events for both Operators and Engineers, covering our entire product and technology set.

By learning from the industry leader, your team will benefit from our decades of experience, with tailored to the needs of the modern learner.

We pride ourselves on high-quality delivery and aim to provide ongoing support beyond the course, offering further online learning opportunities and information resources.

We invite you to explore our learning offerings and are ready to assist you in selecting the perfect program for your organization.

### Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

// Learning never exhausts the mind.

Leonardo da Vinci



# AMPP OS Learning Pathways



AMPP OS delivers the agility, scalability, and efficiency that modern media workflows demand and our AMPP learning is built to reflect that.

With learning pathways for common uses and with the ability to create a fully customised course. Grass Valley can meet the precise learning needs for your organization.

## Learning Pathways

Our AMPP OS learning is organised by function, with dedicated learning pathways for Operators and Engineers for the most common use cases. This might not be for everyone and recognising the flexibility and complexity of AMPP OS we also offer a customised course design service.

### Operators

AMPP Operations for Live Production

AMPP Operations for Playout

AMPP Operations for Asset Management

### Engineers

AMPP Engineering for Live Production

AMPP Engineering for Playout

AMPP Engineering for Asset Management

### Customised AMPP Programs

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

# AMPP OS

## Operations for Live Production



This course is designed to equip operators with the knowledge and skills needed to personalise and operate AMPP OS in a live environment.

### Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

### Duration

3 days

### Class Size

Up to 8 attendees

### Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

### Course Detail

#### AMPP Fundamentals

- Understanding the GV Media Universe
- Introduction to GV AMPP
- AMPP Architecture

#### Operating AMPP User Interfaces

#### Operating AMPP Control Panels

#### Basic Live Applications

#### LivetouchX Operations

- Introduction to the Livetouch X User interfaces
  - Operator
  - Ingest
- Hardware Controller (option)
- Configuration
  - Ports
  - Sources
- Highlights
  - Tags
  - Ratings
- Super Slow Motion
- File import / Export

#### Maverik X Operations

- Configuration for Operators
- Keyer Configuration
- Sources
- Assigning Panels
  - Software
  - Hardware (Maverik)(optional)
- Show Files
  - Macros
  - EMEMs

#### Live Producer

- Configuring a show
  - Inputs
  - Locations
  - Clips & Graphics
- Building a show
  - Scenes
  - Layers

# AMPP OS Operations for Playout



This course is designed to equip operators with the knowledge and skills needed to personalise and operate AMPP OS in a playout environment.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

3 days

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## Class Size

Up to 8 attendees

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### AMPP Fundamentals

- Understanding the GV Media Universe
- Introduction to GV AMPP
- AMPP Architecture

### Playout X Introduction

### Playout User Interface

### Framelight X Integration

### Basic Troubleshooting

- Missing Material

### Operating a Channel

- Importing/Exporting Schedules
- Timers
- Cuing and Taking
- Event Properties

# AMPP OS Operations for Asset Management



This course is designed to equip operators with the knowledge and skills needed to personalise and operate the Framelight X components of an AMPP OS system.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

3 days

## Class Size

Up to 8 attendees

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### AMPP Fundamentals

- Understanding the GV Media Universe
- Introduction to GV AMPP
- AMPP Architecture

### Framelight X Asset Manager

- Navigating the User Interface
- Introduction to Preferences
- Searches
  - Understand when to use public, workflow, user, complex and simple searches
  - Create favourite searches
  - Analyse and filter search results
- Analyse and filter search results
- Virtual Folders

### Framelight X Inspector (Ops)

- Metadata
- Locations
- Markers and Keywords

### Framelight X Logger (Ops)

- Logging Markers
- Segmentation
- Transcripts

### Framelight X Editor (Ops)

- Sequences
- Editing Tools
- Effects
- F11 Send

### Framelight X Voiceover (Ops)

### Framelight X Scheduler (Ops)

- Scheduled Records
- Crash Records
- Source Control

### Framelight X Workflows (Ops)

- Using workflows
- Creating a simple workflow

# AMPP OS Engineering for Live Production



This course is designed to equip engineers with the knowledge and skills needed to maintain and optimise the AMPP system in a live environment.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

5 days

## Class Size

Up to 8 attendees

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### AMPP Fundamentals

- Understanding the GV Media Universe
- Introduction to GV AMPP
- AMPP Architecture

### Engineering Core

- AMPP Network Requirements
- AMPP Architecture (Advanced)
- AMPP Node Onboarding
  - On premises
  - Cloud
- Package Management
- Compute Control – Fabrics
- Deploying base applications
- AMPP App Store
- Resource Management
- AMPP Routing
- System Dashboard
- User Management
- AMPP Grid
- AMPP Local

### System Designing

- System Dashboards
- Monitoring Design
  - Multiviewers
  - Flow Monitors

### I/O Configuration

- Global Inputs / Outputs
- ST 2110 I/O configuration
- SDI, NDI, SRT

### Live Producer Configuration

#### Switcher Solutions

- MaverikX Panel Configuration
- MavX Hardware Panel Config
- K-Frame on AMPP Configuration

#### Replay

- Live Touch X Configuration
- Hardware Panel configuration

### AMPP Control

- AMPP Macros
- Panel Design / Configuration
- Connected Hardware

### Production Builder

- Build production
- GV UI Design

# AMPP OS Engineering for Playout



This course provides is designed to equip engineers with the knowledge and skills needed to maintain and optimise the AMPP system in a Playout environment.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

5 days

## Class Size

Up to 8 attendees

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### AMPP Fundamentals

- Understanding the GV Media Universe
- Introduction to GV AMPP
- AMPP Architecture

### Engineering Core

- AMPP Network Requirements
- AMPP Architecture (Advanced)
- AMPP Node Onboarding
  - On premises
  - Cloud
- Package Management
- Compute Control – Fabrics
- Deploying base applications
- AMPP App Store
- Resource Management
- AMPP Routing
- System Dashboard
- User Management
- AMPP Grid
- AMPP Local

### Introduction to Playout X

- Architecture
- Concepts

### Building a Network

- Channel Groups
  - Sites & Stores
  - Framelight X Driver workload

### Deploying Channels

- Playout X Channel workload
- Networks
  - Assign Channels
  - Network Settings
  - Channel Settings
- Creating Views
- Live Inputs
- Manual Scheduling FLX Assets
- Audio Configuration
  - Audio Grouping for Live Events
- Network Templates
- Custom Metadata
- Integration of DVE & Graphics
- Local Caching

### Playout X User Interface

- Channel Control
  - Containers
  - Primary and Secondary Events
  - Macros
- Schedules
  - Loading and Importing
  - Native Schedules
  - BXF
  - Missing Materials

### Resiliency and Backup

### System Dashboards

# AMPP OS Engineering for Asset Management



This course is designed to equip engineers with the knowledge and skills needed to maintain and optimise asset management within the AMPP system.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

5 days

## Class Size

Up to 8 attendees

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### AMPP Fundamentals

- Understanding the GV Media Universe
- Introduction to GV AMPP
- AMPP Architecture

### Engineering Core

- AMPP Network Requirements
- AMPP Architecture (Advanced)
- AMPP Node Onboarding
  - On premises
  - Cloud
- Package Management
- Compute Control – Fabrics
- Deploying base applications
- AMPP App Store
- Resource Management
- AMPP Routing
- System Dashboard
- User Management
- AMPP Grid
- AMPP Local

### Introduction to Framelight X

- Concepts
- Tools

### Framelight X Installation

- Full install
- Licenses and Subscriptions
  - Required functions
  - Concurrent Users
  - Use of PAYG for user “overrun”
- Setting up Sites and Stores
- User management and roles
- Setting up S3 Storage – metadata, proxy, waveforms, thumbnails
- Workload Deployment

### Tools / Interface Walkthrough

#### Scheduler Set-up

- Channel Groups
- Elastic Recorder X

#### Workflows

#### Framelight X Render

#### Editor Integration

- Desktop Portal – Adobe Premiere Plugin
- Edius, Mync

#### Asset Management Security

COURSE CODE: GVO-OST

# Grass Valley GV-Orbit for Operators



This course is designed to teach GV-Orbit in the context of the specific install. The course content and duration of this course is dependent on the nature and complexity of the deployed system.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions.

## Duration

Duration to be determined at project scoping phase. One or multiple days may be required

## Ordering Information

- + Order a quantity of GVO-OST to match the number of training days recommended by Grass Valley.

## Class Size

Up to 6 attendees

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### Courses will include:

#### Control

- Use of software and hardware panels
- Advanced Touch Panels
- Web Interfaces
- GV Orbit Client

#### Monitoring

- Understanding alarms
- Responding to alarms
- Penalty Box

#### Tally

COURSE CODE: GVO-TST

# Grass Valley GV-Orbit for Engineers

This comprehensive course ensures participants are well-equipped to handle the configuration and maintenance of GV Orbit systems.



## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

3 days

## Ordering Information

**! For complex systems, additional days may be required.**

+ Order a quantity of PS-STR-DAY to match the additional number of training days recommended by Grass Valley.

## Class Size

Up to 6 attendees

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### GV Orbit Installation & Configuration

- Overview
- Hardware Installation
- Orbit Products -Lite, Express, Professional, Enterprise
- Licensing – License Service
- User Management - Identity Service
- Software upgrades / backups
- Clustering
- DDS Domains
- Services
- GV Orbit Client Installation
- Log Files

### GV Orbit Control & Tally

- GV Orbit Control Client Installation
- Home Screen
- Control Services
- Routing Service
- Protocols
- Device Discovery and Set-up
- GV Orbit Control

### Introduction to GV Orbit Monitoring

- Mapview Basics
- Screen Creation
- Alarm Monitoring
- File Types and their uses
- Custom Router Panels
- AMPP Control
- Kaleido Integration (optional)

# Grass Valley Camera Training



This course provides an in-depth understanding of various Grass Valley (GV) camera products, focusing on the LDX series cameras, XCU and UXF systems, and IP setup.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

2 days

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## Class Size

Up to 5 attendees

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## Pre-requisites

Basic camera experience

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### Introduction to GV Camera Range

- Products overview
- LDX basics and functionality
- Overview of the Creative Grading system
- Introduction to C2IP
- C2IP components (CGE, CGP, CGA)

### CGP-500 / Creative Grading Operation

- CGA Operation
- CGA screen layout and navigation
- Single camera view: selecting cameras, navigating functions, and adjusting values
- Multi camera view: grouping cameras and operating them simultaneously
- Operational video functions: Light, Contrast, Color, Enhance, and Automatics menus
- Slide-out menus: File Management, Share, and CGP Configuration
- CGP-500 Operation
- CGP panel layout and controls
- CGP local display and its information
- CGP Settings menu: Network, Stick, Install, Diagnostics, and Panel settings

### Hands-On Exercise

- Creating and configuring user profiles CGA
- Assigning cameras and CGPs to workspaces
- Configuring assignable controls on the CGP -500
- Performing camera shading tasks using the CGA and CGP
- Utilizing the various operational video functions in the CGA
- Managing scene files and snapshots

COURSE CODE: CAM3-TST

# Grass Valley Camera Maintenance

This course provides an in-depth understanding of how to maintain Grass Valley (GV) camera products, focusing on the LDX series cameras.



## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

3 days

+ This course includes the 2-day operational course (CAM2-OST) and adds in fault diagnosis activities

## Class Size

Up to 5 attendees

## Pre-requisites

Basic camera experience

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

This course is comprised of the CAM2-OST GV Camera Training course content PLUS:

### Introduction to LDX Series Service and Diagnostics

- Overview of the LDX camera system and its components
- Internal and external tools available for diagnostics

### Quick Diagnostics

- Utilizing the INFO button and viewfinder menu for quick diagnostics
- Understanding the LDX scanner app for external diagnostics
- Accessing diagnostics through the camera and XCU menus
- Troubleshooting CGP issues

### LDX Inside Tool

- Overview of the LDX Inside diagnostic tool
- Connecting to and using LDX Inside to identify and troubleshoot issues
- Interpreting LDX Inside diagnostic results
- Software and Firmware Updates

- Introduction to the Grass Valley Scriptor tool
- Downloading and installing LDX software and firmware packages
- Performing updates safely and effectively

### Hands-on Exercises:

- Performing quick diagnostics using the tools provided
- Using the LDX scanner app to check camera status
- Connecting to a camera with LDX Inside and analyzing diagnostic data
- Downloading and installing a software/firmware package using the Scriptor tool
- Troubleshooting simulated camera issues with LDX Inside

# Kudos Pro Series



This course will introduce the Kudos Pro range of Single, Dual and Quad Channel Format and Frame-rate Conversion products and their operation.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

1 day

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## Class Size

Up to 8 attendees

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### Kudos Overview

- Motion Compensated (UMC1000, MC1000, MC2000)
- Linear (ULC2000, LC2000, LC4000, LC350)
- Frame Rate Conversion (UHD1200, SV2000, SV4000)

### Front Panel Controls

### Rear Panel Connection

### All Models

- Up/Down Conversion
- Frame Synchronisation
- Motion adaptive de-interlacing

### Frame Rate Conversion

- Linear
  - ULC2000, UHD1200,
  - LC2000, LC4000 & LC350
- Motion Compensated
  - UMC1000
  - MC1000 & MC2000

### Picture Enhancement

- Noise reducer
- Enhancer
- Legalizer
- Proc amp

### Logo Insertion (one per channel)

### Side-bar keying

### Multiline WST, closed caption

### AFD aspect ratio conversion features

### User configurable Ancillary Data bridge

# GV Router Control Panel

This course is designed for Broadcast engineers, and Technicians who configure and maintain Router Control Panels with a Sirius 800, Vega or Pyxis router and designed and configured inside Rollcall Templates.



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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions.

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## Duration

1 day

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## Class Size

Up to 6 attendees

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## Pre-requisites

Participants should have a basic knowledge of a broadcast facility operations and understanding of video concepts.

Panel types supported are 6026481, 6026783, 7028000, 7028071, 7028100, 7028201, 7028251 and 7028351.

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course

### Router Control Panels

- Introduction to Router control panels
- Panel Features and Functions

### Rollcall Control Panels

- Introduction to Rollcall Control Panel
- Introduction to IP Proxy
- Connecting to a panel device
- Configuring a control panel using Rollcall templates
- Configuring button layout of panel
- Saving and restoring panel layout

### Panel Configuration in Workbench GUI

- Controller configuration
- Port configuration

### Administration Mode

- Overview
- Identity

### SQL Server Management Studio

- Backup and restore configuration

# S800 Router



This course is designed for Operational and maintenance staff required to configure and maintain the system.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

3 days

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## Class Size

Up to 6 attendees

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## Pre-requisites

Participants should have a basic knowledge of a broadcast facility operations and understanding of video and router concepts

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### Router Overview and hardware

- Introduction to router basics
- Router Features and Functions
- Router Protocols
- Router Controller functionality
- Database functions explained
- Salvo vs Snapshot
- Controller pairing
- Router Controller connections
- GV Panel Communication with router
- Audio inside a Sirius 800
- Configuring the audio matrix
- Audio Mapping
- Router Features
- Router Architecture
- Module features and Power Supplies
- Door PC

### Centra Workbench GUI – Specific to customer's configuration

- Functionality of Workbench software application
- Local Router Hardware
- Panel Configuration
- Administration Mode
- SQL Server Management Studio
- Door PC

### Audio in the Sirius 800

- Audio Mapping
- Rollcall Control Panel
- Making changes to a controller
- Logging

# S800 Router Refresher



This course is designed for Operational and maintenance staff required to configure and maintain the system, where the system has been in operation (typically 1 year).

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

1 day

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## Class Size

Up to 6 attendees

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## Pre-requisites

Participants must have attended a full GV Router training course on the Sirius 800 before attending this custom design course for an existing router system

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### An Intensive day of:

- Learning review
- Diagnosis
- Revisit concepts that are required by the learning group
- Router Overview and hardware
- Centra Workbench GUI – Specific to customer's configuration
- Router Device
- Local Router Hardware
- Panel Configuration
- Administration Mode
- SQL Server Management Studio
- Door PC
- Audio Mapping
- Rollcall Control Panel
- Logging
- Advanced router configuration methods
- Testing out system in standalone mode

COURSE CODE: RTTR-S800-FLA-OST

# S800 Flyaway Video & Audio Engineering

This course is designed for Broadcast engineers and system technicians who configure and maintain new installation Sirius 800 video routers with audio processing capability.



## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

5 days

## Class Size

Up to 6 attendees

## Pre-requisites

Basic knowledge of a broadcast facility operations and understanding of video and router concepts

Equipment Specifics - IO module types supported 4915, 4929, 5917/9, 5926/8, 5938 and 5949

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### Router Overview and hardware

- Introduction to router basics
- Router Features and Functions
- Router Protocols
- Router Controller functionality
- Database functions explained
- Salvo vs Snapshot
- Controller pairing
- Router Controller connections
- GV Panel Communication with router
- Audio inside a Sirius 800
- Configuring the audio matrix
- Audio Mapping
- Router Features
- Router Architecture
- Module features and Power Supplies
- Door PC

### Centra Workbench GUI – Specific to customer's configuration

- Functionality of Workbench software application
- Router Device
- Local Router Hardware
- Panel Configuration
- Administration Mode
- Door PC

### Audio in the Sirius 800

- Audio Mapping
- Rollcall Control Panel
- Making changes to a controller

### Reconfiguring Router according to job specification

- SQL Server
- Advanced router configuration methods
- Testing out system in standalone mode

COURSE CODE: RTTR-S800-FLV-OST

# S800 Flyaway Video Only Engineering



This course is designed for Broadcast engineers and system technicians staff whose work is to configure and maintain new flyaway installation Sirius 800 video routers.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

3 days

## Class Size

Up to 6 attendees

## Pre-requisites

Basic knowledge of a broadcast facility operations and understanding of video and router concepts

Equipment Specifics - IO module types supported 4915, 4929, 5917/9, 5926/8, 5938 and 5949

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### Router Overview and hardware

- Introduction to router basics
- Router Features and Functions
- Router Protocols
- Router Controller functionality
- Database functions explained
- Salvo vs Snapshot
- Controller pairing
- Router Controller connections
- GV Router Panel Communication with router
- Router Features
- Router Architecture
- Module features and Power Supplies
- Door PC

### Centra Workbench GUI – Specific to customer's configuration

- Functionality of Workbench software application
- Router Device
- Local Router Hardware
- Panel Configuration
- Administration Mode
- SQL Server Management Studio
- Door PC

### Reconfiguring Router according to job specification

- SQL Server
- Advanced router configuration methods
- Testing out system in standalone mode

# S800 Video Only Engineering



This course is designed for Broadcast engineers and system technicians whose work is to configure and maintain new installation Sirius 800 video routers.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

3 days

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## Class Size

Up to 6 attendees

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## Pre-requisites

Basic knowledge of a broadcast facility operations and understanding of video and router concepts

Equipment Specifics – IO module types supported 5917, 5926, 5928 and 5938

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### Router Overview and hardware

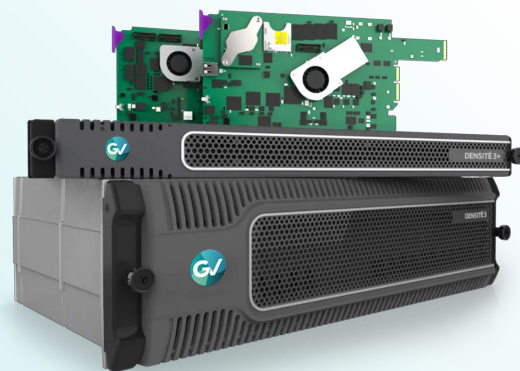
- Introduction to router basics
- Router Features and Functions
- Router Protocols
- Router Controller functionality
- Database functions explained
- Salvo vs Snapshot
- Controller pairing
- Router Controller connections
- GV Panel Communication with router
- Router Features
- Router Architecture
- Module features and Power Supplies
- Door PC

### Centra Workbench GUI – Specific to customer's configuration

- Functionality of Workbench software application
- Router Device
- Local Router Hardware
- Panel Configuration
- Administration Mode
- Making changes to a controller
- Rollcall Control Panel
- SQL Server Management Studio
- Door PC

# Kaliedo Operations and Maintenance

This course is designed for Operational and maintenance staff required to configure and maintain the Kaleido multiviewer.



## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

2 days

## Class Size

Up to 8 attendees

## Pre-requisites

Attendees must have basic Multiviewer knowledge

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### Kaleido-X System Concepts

Software components Visual elements

X-Admin

Built-in router

Troubleshooting tips

Generating diagnostics file

Launching XEdit

Backup, Export, Import and Restore fundamentals

XEdit online/offline

XEdit tools and functions

System tab functionality, adding external router and alarm calibration settings

Channels tab managing Kaleido sources

Creating and managing Rooms

Full screen functionality

Layout tab - review of tools

Creating a basic layout - Managing widget properties and assignments

Modifying existing layout on a Kaleido

Creating custom widgets and managing widget libraries

Creating actions and alarms - virtual alarms and alarms on the monitor wall

Dynamic texts and tallies

Audio handling multi-room operations

External router control

Creating RCP users

Saving KX Databases

Configuring the Kaleido RCP-2

# MV-1200 Series



This course is designed for Operational and maintenance staff required to configure and maintain the MV1200 series multiviewers.

## Course Format

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On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

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1 day

## Class Size

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Up to 8 attendees

## Pre-requisites

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Basic multi-viewer knowledge is desirable

## Equipment Specifics

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GV MV-1216, GV MV-1232, GV MV-1248, GV MV-1232-RTR  
GV MV-1200 Modular

## Further Information

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Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

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### Introduction to the MV1200 series multi-viewers

### Installation and connection

#### Rear Panel Connections Cards

- MVC3
- MVC4
- VIP 5
- Fan Modules
- PSU Modules

#### Front Panel Controls

- Settings
- Layouts
- Networks
- Inputs

#### Browser GUI Operation

- Board Setup
- Input Naming
- Audio Meter Displays
- GPI/GPOs
- Saving Layouts

#### Remote panels (optional)

#### Troubleshooting

- Logging
- Power Supplies
- Frame Status

COURSE CODE: MVTR-8XX-OST

# 800 Series Multiviewer O&M



This course is designed for Broadcast engineers and Systems technicians who configure and maintain the range of multiviewer options for a Sirius 800 router.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

1 day

## Class Size

Up to 8 attendees

## Pre-requisites

Basic knowledge of a broadcast facility operations and understanding of video concepts

Sirius 800 router training course

Equipment Specifics – Sirius MV-800, MV-801, MV-830, MV-831, MV840, MV-841, MV-850 and MV-851

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### GV Orbit

- Connecting to a multiviewer over the network
- Setting up a multiviewer configuration parameters
- Creating a Project
- Creating a Wall
- Configuring the Wall layout
- Standard Tile configuration
- Custom Tile configuration
- Setting audio parameters
- Configuring alarms
- MV software updates

### Router configuration using Centra Workbench

- Adding a multiviewer card to the configuration
- Port configuration
- Naming structure internally/externally

### SQL Server Management Studio

- Backup and restore configuration

# Kahuna Level 1



This course is aimed at Technical Directors, Vision Mixers and Editors.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

3 days

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## Class Size

Up to 3 attendees

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## Pre-requisites

A sound understanding of Switcher (Vision Mixer) fundamentals and television Production operations

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### Understanding & setting up the system

- Kahuna Overview
- Kahuna configuration
- Keyer Setup for internal and external use,
- External device control

### Understanding MEs

- Operation of MEs
- ME effects
- Use of multiple MEs in combination

### Using features

Import/export of stills and clips  
Key macro sequences  
Format Fusion engines

### DVE

- Loading and using pre-stored DVE effects,
- Basic 3D DVE operation and programming

# Kahuna Level 2



This course is aimed at Technical Directors, Vision Mixers and Editors.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

2 days

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## Class Size

Up to 3 attendees

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## Pre-requisites

Kahuna Operations Course (KAHUNA L1-OST)

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### Introduction

- Check and review current knowledge, Overview of the latest features of the software

### Understanding basic functions

- Working with basic functions such as stores/ chroma Key/ macros, Using Timeline and 3D DVE

### Understanding advanced operation and programming

- Advanced timeline and macro set-up & editing,
- 3D DVE
- Advanced features
  - effect dissolve,
  - Understanding rules with key drop function,
  - Kahuna Manager Conversion

# Kahuna Engineering A



This course is aimed at Operations & Engineering Managers, System Integrators, Technical Directors and Vision Mixers.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

1 day

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## Class Size

Up to 6 attendees

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## Pre-requisites

A good understanding of Switcher (Vision Mixer) fundamentals and television Production operations

---

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### Unit 1: Understanding switchers

- Introduction to vision mixers, Overview of the Kahuna product range

### Unit 2: Kahuna overview

- Understanding the architecture, An overview of cards, modules and connections

### Unit 3: Introduction to the panel

- Maverik panel overview and demonstration

COURSE CODE: KAHUNAENG MODB-TST

# Kahuna Engineering B



This course is aimed at Vision Mixers.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

1 day

## Class Size

Up to 6 attendees

## Pre-requisites

Kahuna Engineering Overview (KAHUNAENG MODA-TST)

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### Unit 1: Understanding connectivity

- Backplane connections, panel connection, aux & peripheral panels

### Unit 2: Configuration

- Mainframe config, menu & button overview, engineering, user panel & IO config

### Unit 3: Using features

- Genlock & timing, DMEMS/ GMEMS, ME busses, key layers, macro's, DVE, shadow switcher, button linking, live mode, ME lock

### Unit 4: Performing maintenance functions

- Backup & restore, Software upgrade, Licence file upgrade

COURSE CODE: KAHUNAENG MODC-TST

# Kahuna Engineering C



This course is aimed at Support Engineers.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

1 day

## Class Size

Up to 6 attendees

## Pre-requisites

Kahuna Engineering (Familiarisation, Installation & Configuration) - KAHUNAENG MODB-TST

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### Unit 1: Recap - understanding the system

- System architecture, Location and care

### Unit 2: Performing component replacement

- PCB and SCSI device removal, panel parts replacement

### Unit 3: Diagnosing faults

- Testing communications, status logs. fault finding. IP addresses

# K-Frame Switcher Operation

This course is designed for Broadcast Technical Directors, Operators and Vision Mixers who want an operational understanding of the Kayenne™ Video Production Center.



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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

5 days

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## Class Size

Up to 6 attendees

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## Pre-requisites

Attendees should have a previous exposure to and understanding of switcher (vision mixer) operation fundamentals and knowledge of video signals

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### Operator Configuration

- Engineering Setups
- User Setups

### Panel Operations

- Panel Preferences
- Advanced Panel Functions

### Effects Memory (EMEMs)

- Store and Recall
- Timelines

### File Operations

- Show files
- Element Files

### Digital Effects

- IDPMs, 2dDPMs, eDPMs

### Macros

- Creating and Editing
- Attaching

### Source Operations

- Image Store / Aux Bus /eDPM
- Colour Correction
- Bus Links, Source Substitution
- Source Rules

### Image Store

- Stills and Movies
- Capture / Record
- Import
- Edit Movies

### Clipstore (If fitted)

- Record / Import clips
- Edit Clips

### Advanced effects

- Lighting
- Recursive memory effects

# K-Frame Switcher Engineering

This course is a 4-day Technical Onsite training for Kayenne or Karrera with K-Frame XP, V or S-series Switcher systems.



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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

4 days

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## Class Size

Up to 8 attendees

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## Pre-requisites

Attendees must have a good working knowledge of IP Networking, digital video signals and understand video switcher fundamentals

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### System overview of K-Frame systems

#### Installation

- Hardware
- Licensing
- Network settings
- Software upgrade procedures

#### Video and control signal flow

#### Suites and resource acquisition

#### Signal Config

- Inputs / Outputs
- SDI / IP
- NMOS (If IP I/O)
- SetDef/MatchDef, Ultra Match

#### File System

- Engineering Config
- Suite Prefs.

#### Control Surface Configuration

- Panel Hardware – Kayenne, Karrera
- Panel Control Unit (Kayenne Only)
- Panel Prefs.
- Button Mapping

#### Advanced configuration

### External Device Setup

- Servers
- Graphic Engines
- Clipstore (if installed)
- Tally and GPIs

#### Panel Control Unit

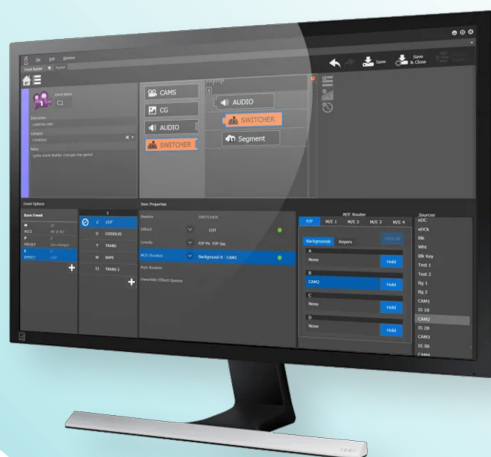
#### 2DPM, iDPM and eDPM options,

#### Image Store

#### Diagnostics and troubleshooting

#### Survival Operations

# Grass Valley Ignite



This course provides training for a site specific Ignite installation. “Event” driven automation system. Ignite is an Event Library customized for each customer site throughout the training.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

1+ days

## Ordering Information

- + Order a quantity of IGNITE-OST-DAY to match the number of training days recommended by Grass Valley

## Class Size

Up to 6 attendees

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### Operational Instruction

- How the Ignite interface works
- How to code shows
- How to control devices manually
- How to modify imported rundowns and events
- Basics of Event library creation and management

### Event Library Creation & Management

- Create new effects
- Create dynamic Events from scratch
- Modify and manage existing Event library
- Troubleshoot faulty Events
- Test, tweak, repeat

### Execution, Refinement, & Rehearsals

- Code full segments of productions
- Error check coded shows
- Execute productions

# GV Stratus



This course is designed to equip operators with the knowledge needed to operate and to understand the workflows within the GV STRATUS and EDIUS Editor.

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## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

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## Duration

1 day

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## Class Size

Up to 8 attendees

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## Pre-requisites

Participants should have a good understanding of current broadcast television processes and workflows

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## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

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## Course Detail

### An overview of GV STRATUS

Searching, Viewing and Logging Assets

Storyboard Editor

Creating placeholders (if needed),

Scheduling ingest feeds,

Using and creating rules and

Channel Panel

Media management.

COURSE CODE: EDIUS-OST

# EDIUS Operation



This course is designed to equip operators with the knowledge needed to operate and to understand the workflows within the EDIUS Editor.

## Course Format

On site, Instructor-Led learning event with theoretical knowledge and practical hands-on sessions

## Duration

3 days

## Class Size

Up to 8 attendees

## Pre-requisites

Participants should have an understanding of broadcast facility operations and video concepts.

## Further Information

Please contact your GV sales representative or email:

[training@grassvalley.com](mailto:training@grassvalley.com)

## Course Detail

### Setting up a Project

- Project Settings & Presets
- Customizing

### Edius User Interface

- Individual Layouts

### Importing Assets

- Working with the Bin Window
- Capturing Sources

### Basics of Editing

- The timeline Window
- Sequences
- Ripple Modes
- Trimming
- Transitions

### Layouter

- Picture in picture
- Trim / zoom in video

### Using Effects

- Color Correction
- Mask filter (tracking objects and applying mask)
- 3rd Party plugins (ProDAD)

### Audio Mixing

- Audio Filters
- 3rd party plugins (Acon digital)

### Colour Correction

#### Titles

- Quick Titler
- 3rd Party plugins (VisTitle Express)

#### Captions

- Importing captions
- 3rd Party plugins (VisTitle caption editor)

### Multicam Editing

### Rendering & Exporting

### Integration with Framelight X (When applicable)

#### Mync

- Local asset management

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