



Training Courses

We have designed our training courses to help you get the maximum use out of your Pixel Power system.

Through offering a wide range of courses for operational, technical and creative personnel and catering for various knowledge levels we hope there will be a course that suits everyone's needs.

Step 1

Select a course.

Step 2

Contact us to arrange dates or a bespoke instruction package.

Step 3

Complete course and start maximizing the potential of your Pixel Power solutions.



What we offer

Pixel Power offer a wide selection of training courses for all product ranges covering creative, operational, technical and administrative roles. The courses may be tailored to suit the specific requirements of your business and time-frames and to ensure we can deliver the right training, drawing peak performance from your staff. If you would like us to plan a bespoke training course please get in touch by sending your request to training@pixelpower.com.

Where it takes place

Training can take place at a customer site or at one of our Pixel Power offices located in **Grass Valley** (USA), **Cambridge** (UK), **London** (UK), and **Dubai** (UAE).

At our [Pixel Power offices](#), we offer easy access to required equipment, hands-on experience in a controlled environment, customized training to suit your application and no interruptions from general day to day work commitment.

At a [customer site](#), we can train on your installed equipment or we can provide additional equipment specifically for your training (this will need to be planned ahead with enough time to ship equipment), we can fine tune your installed system, focus on your specific implementation, and staff can easily work around training timetables.

Our trainers

With extensive experience in the broadcast industry, our specialist trainers will equip you with the skills, knowledge and best practices to use our products with maximum efficiency and confidence. Our trainers are dedicated to providing an informative and friendly training experience whilst being readily at hand to answer any questions you may have.

Our training formats

Our courses are designed to provide an interactive learning experience combining both theoretical and practical teaching. You will also have access to our extensive library of reference manuals, application notes and training materials should you need them.

Getting the most out of your training

To help us plan your training courses and make sure you get the most out of our time it would be helpful to know the following as part of your information request:

1. How many staff would you like to train and what are their roles?
2. Where and when would you like us to train you?
3. If you have a graphics job and new on-air look this would need to be created and tested before the training takes place so that we can focus on your implementation.



Which course is for you

Technical

These courses are designed for engineers, system architects and system administrators and cover physical hardware, software connections, installation and maintenance. Some courses may include operational training.

Operational

These courses are designed for day to day users of the Pixel Power software and hardware. Such users include TX controllers/operators, schedulers and supervisors, and are responsible for monitoring the system, modifying data for graphics/schedules and performing recovery procedures.

Creative

The creative courses are for graphics designers/artists, graphics team leaders and operators responsible for designing and building graphics pages.



Our Courses

Training Courses	Technical	Operator	Creative	Duration	Code
Clarity Graphics (CG) Tools					
Foundation Courses					
CG Tools 2D & 3D Complete			•	5 days	PT0001
CG Tools 2D Novice			•	3 days	PT0002
CG Tools 3D Novice			•	2 days	PT0003
CG Tools 3D Intermediate			•	1 day	PT0004
Specialized Courses					
CG Tools Introductory			•	1 day	PT0011
CG Tools Refresher			•	2 days	PT0012
Advanced Courses					
CG Tools Automatic Transition Logic (JavaScript)			•	1 day	PT0013
CG Tools for Promote			•	1/2 day	PT0014
CG Tools for BrandMaster			•	1/2 day	PT0015
CG Tools for Factory/OnDemand			•	1/2 day	PT0016
CG Tools for ChannelMaster			•	1/2 day	PT0017
CG Tools for StreamMaster			•	1/2 day	PT0018
Control Toolbox					
Control Toolbox Novice	•	•	•	2 days	PT0021
Control Toolbox Intermediate	•	•	•	1 day	PT0022
Promote					
Promote Super User	•			2-3 days	PT0041
Promote Maintenance	•			1 day	PT0042
Promote TX Operational		•		1/2 day	PT0043
Promote Scheduler		•		1/2 day	PT0044
Control Center (PPCC) / Newsroom					
Control Center Super User	•			2 days	PT0061
Control Center Maintenance	•			1 day	PT0062
Control Center Rundown Manager		•		1/2 day	PT0063
Control Center ActiveX Application		•		1/2 day	PT0064
Clarity					
Clarity Technical	•			2 days	PT0081
Clarity Maintenance	•			1 day	PT0082



LogoVision

LogoVision Technical	•			2 days	PT0101
LogoVision Maintenance	•			1 day	PT0102
LogoVision TX Operational		•		1/2 day	PT0103

BrandMaster

BrandMaster Super User	•			3 days	PT0121
BrandMaster Technical	•			2 days	PT0122
BrandMaster Maintenance	•			1 day	PT0123
BrandMaster TX Operational		•		1/2 day	PT0124

ChannelMaster

ChannelMaster Technical	•			2 days	PT0141
ChannelMaster Maintenance	•			1 day	PT0142

StreamMaster

StreamMaster Technical	•			1/2 day	PT0161
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GalliumAutomation

GalliumAutomation Super User	•			3 days	PT0181
GalliumAutomation Maintenance	•			1-2 days	PT0182
GalliumAutomation TX Operational		•		2-3 days	PT0183
GalliumAutomation Scheduler		•		1/2 day	PT0184

Factory/OnDemand

Factory/OnDemand Super User	•			3 days	PT0201
Factory/OnDemand Maintenance	•			1 day	PT0202
Factory/OnDemand Operational		•		1 day	PT0203

Buzz

Buzz Technical	•			1/2 day	PT0221
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Short Courses/Overviews

Promote System Overview	•			2 hours	PT0045
BrandMaster Operational Theory		•		2 hours	PT0125
GalliumAutomation System Overview	•			2 hours	PT0185
Factory/OnDemand System Overview	•			2 hours	PT0204

Advanced Courses

VSP/Soft Control Panel Design	•			1 day	PT0241
Graphic Virtual Template Design	•		•	1 day	PT0242



Clarity Graphics (CG) Tools

Foundation Courses

PT0001 | CG Tools 2D & 3D Complete

This course delivers comprehensive training on the operational aspects of CG Tools covering all 2D and 3D controls and settings that are needed to build and run a job. It is designed for those with no previous character generator (CG) experience or for those with limited time to practice before the system goes to air. Previous CG experience is not required for this course.

Duration: 5 days

Max. Group Size: 4

PT0002 | CG Tools 2D Novice

This course delivers comprehensive training on the operational aspects of CG Tools covering all controls and settings that are needed to build and run a job using 2D graphics. It is designed for those with no previous character generator (CG) experience or for those with limited time to practice before the system goes to air. Previous CG experience is not required for this course.

Course duration: 3 days

Maximum Group Size: 4

PT0003 | CG Tools 3D Novice

Aimed for those with no previous 3D experience, this course provides an introduction to the creation and animation of the 3D graphics within CG Tools. This course is intended for users with 2D CG Tools experience but no previous 3D experience.

Course duration: 2 days

Maximum Group Size: 4

PT0004 | CG Tools 3D Intermediate

Aimed for those with previous knowledge of 3D systems, this course provides an introduction to the creation and animation of the 3D graphics within CG Tools. Delegates with no previous 3D experience should opt for the 2-day course PT0003.

Course duration: 1 day

Maximum Group Size: 4



Specialized Courses

PT0011 | CG Tools Introductory

This course covers the different ways in which CG Tools can be used in both production and transmission. It provides an introduction to using CG Tools covering 2D and 3D capability together with how the system can be integrated as part of a manual or automated workflow. Time is allocated for some hands-on experience giving trainees an insight into the effective use of the system.

This course can also be run as a half-day course in our Pixel Power offices.

Duration: 1 day

Max. Group Size: 4

PT0012 | CG Tools Refresher

This course provides refresher training on the operational aspects of CG Tools covering all controls and settings needed to build and run a job. This course is designed to enable users with previous CG Tools experience to migrate to the latest version of software. It is also useful for users who have had training in the past but feel they may have gaps in their knowledge.

Pre-requisites: This course is intended for existing users of CG Tools.

Duration: 2 days

Max. Group Size: 4

Advanced Courses

PT0013 | CG Tools Automatic Transition Logic (JavaScript)

This is an introductory course which explains how to use Java Script in 3D pages. It provides an overview of how ATL (JavaScript) can control 3D graphic elements on a Pixel Power page, an introduction to specific Pixel Power JavaScript code hints and practical experience writing a simple script controlling Pixel Power 3D graphic objects. Example scripts are explained and provided as a foundation to build future scripts. This course is aimed at designers with or without any programming experience.

Pre-requisites: A very basic understanding of programming in any language.

Duration: 1 day

Max. Group Size: 4



PT0014 | CG Tools for Promote

This is a specialized course for creative designers on how to build and manage pages in CG Tools specifically for use with Promote. The course will cover how rules are created and how they interact with fields in a Pixel Power job.

Pre-requisites: This course is intended for existing users of CG Tools. The course PT0002 must be taken as a pre-requisite for systems using 2D graphics. For systems that require the use of 3D graphics, the course PT0003 must be taken as a pre-requisite.

Duration: ½ day

Max. Group Size: 4

PT0015 | CG Tools for BrandMaster

This is a specialized course for creative designers on how to build and manage pages in CG Tools specifically for use with BrandMaster.

Pre-requisites: This course is intended for existing users of CG Tools. The course PT0002 must be taken as a pre-requisite for systems using 2D graphics. For systems that require the use of 3D graphics, the course PT0003 must be taken as a pre-requisite.

Duration: ½ day

Max. Group Size: 4

PT0016 | CG Tools for Factory/OnDemand

This is a specialized course for creative designers on how to build and manage pages in CG Tools specifically for use with Pixel Factory and Pixel OnDemand.

Pre-requisites: This course is intended for existing users of CG Tools. The course PT0002 must be taken as a pre-requisite for systems using 2D graphics. For systems that require the use of 3D graphics, the course PT0003 must be taken as a pre-requisite.

Duration: ½ day

Max. Group Size: 4

PT0017 | CG Tools for ChannelMaster

This is a specialized course for creative designers on how to build and manage pages in CG Tools specifically for use with ChannelMaster.

Pre-requisites: This course is intended for existing users of CG Tools. The course PT0002 must be taken as a pre-requisite for systems using 2D graphics. For systems that require the use of 3D graphics, the course PT0003 must be taken as a pre-requisite.

Duration: ½ day

Max. Group Size: 4



PT0018 | CG Tools for StreamMaster

This is a specialized course for creative designers on how to build and manage pages in CG Tools specifically for use with StreamMaster.

Pre-requisites: This course is intended for existing users of CG Tools. The course PT0002 must be taken as a pre-requisite for systems using 2D graphics. For systems that require the use of 3D graphics, the course PT0003 must be taken as a pre-requisite.

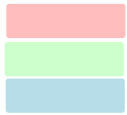
Duration: ½ day

Max. Group Size: 4



Control Toolbox

PT0021 | Control Toolbox Novice



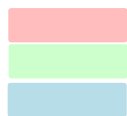
This course is aimed at those with little programming experience to gain a comprehensive understanding on the design of Control Toolbox. The course covers the operational and technical aspects of a custom built application and its integration to a Pixel Power graphics system. Delegates will also gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

For those with good programming experience, the 1 day user training course PT0122 may be taken.

Course duration: 2 days

Maximum Group Size: 4

PT0022 | Control Toolbox Intermediate



This course is aimed at transmission team leaders or those with good programming experience to gain an understanding of Control Toolbox. The course includes the operational aspects of a built Toolbox application, minor modifications to the design and knowledge of its integration to a Pixel Power graphics system.

This course may be taken as cross training for experienced programmers that are able to use their existing skillset to build Toolbox applications. For those with little programming experience that are required to design a Toolbox application, it is recommended the 2 day user training course PT0121 is taken.

Course duration: 1 day

Maximum Group Size: 4



Promote

PT0041 | Promote Super User



This in-depth course is designed for super users to gain a full understanding of the technical and operational aspects of a Promote system.

The course focuses on customer specific installation including rule building and system workflow along with the operational and technical aspects from the courses PT0042 Promote Maintenance and PT0043 Promote TX Operational.

Course duration: 2-3 days

Maximum Group Size: 2

PT0042 | Promote Maintenance

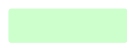


This course is aimed at engineers or technical staff responsible for the maintenance and upkeep of a Promote graphics scheduling system. Delegates will gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

Course duration: 1 day

Maximum Group Size: 4

PT0043 | Promote TX Operational

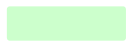


This course is aimed at operators responsible for the daily operation of a Promote system. Delegates will gain knowledge on how to utilize Promote for monitoring the transmission of graphic events and for minor troubleshooting.

Course duration: ½ day

Maximum Group Size: 4

PT0044 | Promote Scheduler



This course is aimed at those responsible for scheduling graphics pages within a Promote system. Delegates will gain an understanding of how schedules are managed and processed by Promote to build pages for playout on a Pixel Power graphics playout system.

Course duration: ½ day

Maximum Group Size: 4



Control Center (PPCC)

PT0061 | Control Center Super User



This in-depth course is designed for super users to gain a full understanding of the technical and operational aspects of a Pixel Power Control Center (PPCC) system and its associated applications within a Newsroom environment

The course focuses on customer specific installation and system workflow along with the operational and technical from the courses PT0062 Control Center Maintenance, PT0063 Control Center Rundown manager and PT0064 Control Center ActiveX Application.

It is recommended this course is delivered at a user site and in context with the installed Newsroom Control System.

Course duration: 2 days

Maximum Group Size: 2

PT0062 | Control Center Maintenance



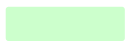
This course is aimed at engineers or technical staff responsible for the maintenance and upkeep of a Pixel Power Control Center (PPCC) system. Delegates will gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

It is recommended this course is delivered at a user site and in context with the installed Newsroom Control System.

Course duration: 1 day

Maximum Group Size: 4

PT0063 | Control Center Rundown manager



This course is aimed at operators responsible for the daily operation of a Pixel Power Rundown Manager within a Newsroom Control System. Delegates will gain knowledge on how to utilize the Rundown Manager for controlling multiple channels on a Pixel Power graphics system.

Course duration: ½ day

Maximum Group Size: 4



PT0064 | Control Center ActiveX Application

This course is intended to provide a good understanding of the Control Center ActiveX plug-in used for a Newsroom Control System. It is aimed at operational newsroom staff using the ActiveX plug-in to build graphic playlists.

Training may be based on a customer's graphics where possible, so that newsroom staff can gain a familiar working context.


Course duration: ½ day

Maximum Group Size: 4



Clarity

PT0081 | Clarity Technical


 This in-depth course is designed for system and senior engineers to gain a comprehensive understanding of the technical and operational aspects of a Clarity graphics system.

The content within PT0082 Clarity Maintenance is also covered as part of this course.

Course duration: 2 days

Maximum Group Size: 4

PT0082 | Clarity Maintenance

 This course is aimed at engineers or technical staff responsible for the maintenance and upkeep of a Clarity graphics system. Delegates will gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

Course duration: 1 day

Maximum Group Size: 4



LogoVision

PT0101 | LogoVision Technical

This in-depth course is designed for system and senior engineers to gain a comprehensive understanding of the technical and operational aspects of a LogoVision graphics playout system.

The content within PT0102 LogoVision Maintenance and some elements from PT0103 LogoVision TX Operational are also covered as part of this course.

Course duration: 2 days

Maximum Group Size: 4

PT0102 | LogoVision Maintenance

This course is aimed at engineers or technical staff responsible for the maintenance and upkeep of a LogoVision graphics system. Delegates will gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

Course duration: 1 day

Maximum Group Size: 4

PT0103 | LogoVision TX Operational

This course is aimed at operators responsible for the daily operation of a LogoVision system. Delegates will gain knowledge on how to utilize the Pixel Power Management Console (PPMC) for controlling and monitoring the graphics playout of a LogoVision.

Course duration: ½ day

Maximum Group Size: 4



BrandMaster

PT0121 | BrandMaster Super User

This in-depth course is designed for super users to gain a full understanding of the technical and operational aspects of a BrandMaster system.

The course focuses on customer specific installation and system workflow along with the operational, technical and theoretical aspects from the courses PT0122 BrandMaster Technical, PT0124 BrandMaster TX Operational and PT0125 BrandMaster Operational Theory.

Course duration: 3 days

Maximum Group Size: 2

PT0122 | BrandMaster Technical

This in-depth course is designed for system and senior engineers to gain a comprehensive understanding of the technical and operational aspects of a BrandMaster system.

The content within PT0122 BrandMaster Maintenance and some elements from PT0123 BrandMaster TX Operational are also covered as part of this course.

Course duration: 2 days

Maximum Group Size: 4

PT0123 | BrandMaster Maintenance

This course is aimed at engineers or technical staff responsible for the maintenance and upkeep of a BrandMaster system. Delegates will gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

Course duration: 1 day

Maximum Group Size: 4

PT0124 | BrandMaster TX Operational

This course is aimed at operators responsible for the daily operation of a BrandMaster system. Delegates will gain knowledge on how to utilize the Pixel Power Management Console (PPMC) and Video Switch Panels (VSP) for controlling and monitoring a BrandMaster system, including operational troubleshooting.

Course duration: ½ day

Maximum Group Size: 4



ChannelMaster

PT0141 | ChannelMaster Technical

This in-depth course is designed for system and senior engineers to gain a comprehensive understanding of the technical and operational aspects of a ChannelMaster system.

The content within PT0142 ChannelMaster Maintenance is also covered as part of this course.

Course duration: 2 days

Maximum Group Size: 4

PT0142 | ChannelMaster Maintenance

This course is aimed at engineers or technical staff responsible for the maintenance and upkeep of a ChannelMaster system. Delegates will gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

Course duration: 1 day

Maximum Group Size: 4



StreamMaster

PT0161 | StreamMaster Technical

This in-depth course is designed for system and senior engineers to gain a comprehensive understanding of the technical and operational aspects of a StreamMaster system. The course focuses on customer specific installation and system workflow, maintenance, software updates and troubleshooting.

Course duration: ½ day

Maximum Group Size: 4



GalliumAutomation

PT0181 | GalliumAutomation Super User

This in-depth course is designed for super users to gain a full understanding of the technical and operational aspects of a GalliumAutomation automation system.

The course focuses on customer specific installation and system workflow along with the operational and technical aspects from the courses PT0182 GalliumAutomation Maintenance, PT0183 GalliumAutomation TX Operational, PT0184 GalliumAutomation Scheduler and PT0185 GalliumAutomation System Overview.

Course duration: 3 days

Maximum Group Size: 2

PT0182 | GalliumAutomation Maintenance

This course is aimed at engineers or technical staff responsible for the maintenance and upkeep of a GalliumAutomation system. Delegates will gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

Course duration: 1-2 days

Maximum Group Size: 4

PT0183 | GalliumAutomation TX Operational

This course is aimed at operators responsible for the daily operation of a GalliumAutomation system. Delegates will gain knowledge on how to utilize client user interface for controlling and monitoring the playout of transmission channels including operational troubleshooting.

Course duration: 2-3 days

Maximum Group Size: 4



PT0184 | GalliumAutomation Scheduler

This course covers the process of a schedule import and as-run log export from a GalliumAutomation system. It is aimed at those responsible for creating daily transmission schedules to be imported into GalliumAutomation and to review system as-run logs.

Schedulers will gain knowledge of the system workflow and become confident sending playlist updates to Gallium.

Course duration: ½ day

Maximum Group Size: 4



Factory and OnDemand

PT0201 | Factory/OnDemand Super User

This in-depth course is designed for super users to gain a full understanding of the technical and operational aspects of a Factory/OnDemand rendering system.

The course focuses on customer specific installation and system workflow along with the operational and technical aspects from the courses PT0202 Factory/OnDemand Maintenance and PT0203 Factory/OnDemand Operational.

For an understanding of how Pixel Factory/Pixel OnDemand manages a graphics job, it is recommended the CG Tools course PT0016 CG Tools for Factory/OnDemand is taken.

Course duration: 3 days

Maximum Group Size: 2

PT0202 | Factory/OnDemand Maintenance

This course is aimed at engineers or technical staff responsible for the maintenance and upkeep of a Pixel Factory/OnDemand rendering system. Delegates will gain technical knowledge on system installation, configuration, maintenance, software updates and troubleshooting.

Course duration: 1 day

Maximum Group Size: 4

PT0203 | Factory/OnDemand Operational

This course is aimed at operators responsible for the daily operation of a Pixel Factory/OnDemand rendering system. Delegates will gain knowledge on how to utilize the Pixel Power Management Console (PPMC) for controlling and monitoring the graphics rendering including operational troubleshooting.

Course duration: 1 day

Maximum Group Size: 4



Buzz

PT0221 | Buzz Technical

This in-depth course is designed for system and senior engineers to gain a comprehensive understanding of the technical and operational aspects of a Buzz social media integrated system. The course focuses on customer specific installation and system workflow, configuration, operation, maintenance, software updates and troubleshooting.

Course duration: ½ day

Maximum Group Size: 4



Short Courses/Overviews

PT0045 | Promote System Overview

This course provides an overview of a Promote system workflow. It is aimed at project managers or lead engineers wishing to gain an overall understanding of the system architecture and installation.

Course duration: 2 hours

Maximum Group Size: 4

PT0125 | BrandMaster Operational Theory

This course is aimed at those wishing to gain a general overview of the functionality and workflow that surrounds a BrandMaster master control switcher and integrated branding system. The course outlines the basic concepts of a BrandMaster and highlights its differences compared with other typical master control switcher systems.

Course duration: 2 hours

Maximum Group Size: 4

PT0185 | GalliumAutomation System Overview

This course provides an overview of a GalliumAutomation system workflow. It is aimed at project managers or lead engineers wishing to gain an overall understanding of the system architecture and installation.

Course duration: 2 hours

Maximum Group Size: 4

PT0204 | Factory/OnDemand System Overview

This course provides an overview of a Factory/OnDemand system workflow. It is aimed at project managers or lead engineers wishing to gain an overall understanding of the system architecture and installation.

Course duration: 2 hours

Maximum Group Size: 4



Advanced Courses

PT0241 | VSP/Soft Control Panel Design

This in-depth course is designed for system and senior engineers responsible for the configuration and operation of a Pixel Power video switch panel (VSP)/soft control panel. Delegates will gain a comprehensive understanding on how to utilize the Pixel Power Management Console (PPMC) and VSP to design layouts for controlling the installed LogoVision, BrandMaster or ChannelMaster systems.

Course duration: 1 day

Maximum Group Size: 4

PT0242 | Graphic Virtual Template Design

This in-depth course is designed for those responsible for the creation and management of graphic virtual templates utilized for layout and rendering workflows. Delegates will gain a comprehensive understanding on how to design graphic virtual templates using macro expressions and build fallback templates. This course covers the auto-scheduling of graphics for Promote and GalliumAutomation systems.

For an understanding of GalliumAutomation, Promote and Factory/OnDemand it is recommended the courses PT0045 Promote System Overview, PT0185 GalliumAutomation System Overview or PT0205 Factory/OnDemand System Overview is taken.

Course duration: 1 day

Maximum Group Size: 4