



Course Description

This eLearning course introduces the next generation of GigaFamily products. The course focuses on how the GigaSpire BLAST brings gigabit speeds to deliver Internet and video services, smart home automation, and seamless connectivity over the home wireless network. This course is intended for those who deploy, install, and support the GigaSpire BLAST. The course includes the GigaMesh and shows how to use the GigaMesh to extend the wireless network.

Objectives

- Describe the role of the GigaSpire in the home network.
- Describe how to deploy the GigaSpire.
- Describe how to extend the wireless network using GigaSpire and GigaMesh.
- Demonstrate the ability to support the GigaSpire and using the Calix Support Cloud.
- Locate help and find additional resources.

Who should attend?

- Customer Support
- Field Technicians
- Network Operations

Prerequisite Training and Skills

- Wi-Fi Fundamentals
- Introduction to Smart Home Technologies

Training Resources in My Calix

- [Learning Solutions](#)
- [Certifications](#)

Delivery Mode

This interactive online eLearning course consists of content delivered as video clips, simulations, demonstrations, and other self-paced formats. Learners are prompted to interact with the content as they progress through the course. Calix eLearning courses are often accompanied by voice-over audio. To get the most out of your learning experience, Calix recommends accessing your eLearning course through Chrome or Firefox.

Lessons	Topics
01 The Calix Home Solution for the Home Network	GigaSpire and GigaMesh Introduction GigaMesh Physical Features The Role of the GigaSpire and GigaMesh in the Network CAF Performance Testing with the GigaSpire BLAST Systems (u12X, u12, u6, and u4)
02 Deploying the GigaSpire	Supported ONTs and Modems Supported Topologies Deployment Examples Home Gateway Management The Benefits of Unified Wi-Fi and Steering Devices How Dynamic Channel Selection (DCS) Works Verify Services are on and Working
03 Supporting the GigaSpire	Access the GigaSpire EWI with the latest Support Login Using Calix Support Cloud to Support GigaSpires Using Emesh Topology (21.1) USB Toolkit (21.1) Client Labels and Satellite Efficiency (21.1) LED Brightness Control (21.1) DCS Support in 5 GHz Mesh Networks (21.1) Touchless PPPoE (21.1) Using Smart Activate

Diagnostics Tools Enhancements (21.1)
 Upgrade Screen Improvements (21.1)
 Using the Calix Smart Home Dashboard

- Enhanced Parental Control (ExperienceIQ)
- Network Security (ProtectIQ)

 Swapping GigaSpires
 The GigaSpires and CommandIQ

04 Extending the Home Wireless Network

Using the GigaSpires to extend the wireless network
 Using the GigaMeshes to extend the wireless network

05 Get Help and Find Additional Resources

Calix Documentation Library
 Release Notes
 Help
 CAF Performance Testing Resources
 Viewing Related Revenue Edge Courses in Calix Academy