



Q Fires Desktop Trainer



Driven by customer requests for a scalable, and interoperable Q Fires Desktop version of our system, QuantaDyn developed the Q Fires Desktop Trainer. The Q Fires Desktop Trainer standard configuration has the same software baseline as all other Q Fires training devices. However, there are some differences between the Q Fires and the Q Fires Desktop Trainer. These differences were driven by feedback from the customer as well as cost, on-site space, modularity, deploy-ability and fidelity factors.

The Q Fires Desktop System comprises a Student Station, an Instructor Operator Station, a movable Equipment Rack and a Pilot Station Console. The Student Station comprises a gamepad, a headset audio interface, a tripod mounted 3 DOF Ranger 47 system, a 2.1 audio speaker system, an emulated Rover receiver for student video down link, 2 DIS based emulated military radios and an emulated Defense Advanced GPS Receiver (DAGR).

A military audio connector allows the students to employ their issued radio headsets.

The minimum footprint of 10ft x 9ft for the Q Fires Desktop allows for the customer to have the full capability of a much larger trainer in a limited space. The Q Fires Desktop Trainer is agnostic to Environment generators and Image generators. Using proven software integration techniques and system architecture the system is built to meet user requirements.





Current Programs

- Advanced JTAC Training System (AJTS)
- Joint Terminal Control Training Rehearsal System (JTC TRS)
- JTAC-TACP/Operational Simulation Suite (J-T/OSS)
- Joint Theater Air Ground Simulation System (JTAGSS)
- Collective Unit Training Solution (CUTS)
- Air National Guard Advanced JTAC Training System (AAJTS)

JFS ESC Accreditation

AJTS and JTC TRS, the core devices in the Q Fires Product Line, have been accredited by the Joint Fire Support Executive Steering Committee (JFS ESC) and the NATO FAC Standardization Team to replace live controls, Type 1, 2, and 3, both day, night, with laser designation as required for JTAC qualification and currency training IAW the JTAC MOA.

Developed with JTACs, for JTACs

The Q Fires family of trainers evolved from the Air National Guard Advance JTAC Training System (AAJTS) and moved into the Joint Terminal Control Training Rehearsal System (JTC-TRS) the JTAC simulator program of record for the US Air Force . The Q Fires family was built with JTAC community input and cutting edge technology development to fill a training gap within the community.

JF STS Standard Configuration

The Q Fires products consist of three major components:

- The Student Station - an immersive visualization system complete with a wide array of emulated military equipment devices
- The IOS – allows for scenario building and mission execution
- The Role-player station – Allows an out the window view of the battlefield and for the instructor to have an entity independent to the semi-autonomous force.

Performance Capability IOS

- The Q Fires family of trainers offer a full spectrum of virtual close air support and indirect fire assets
- Simple point and click interface to generate, start, pause, and stop scenarios
- Instructor/Operator capability to run simultaneous CFF, Naval Surface Fires, fixed wing CAS, rotary wing CAS, UAV CAS, AC130 Gunship support missions, Close Combat Attack as well as run complex mission from division level down to platoon.



PROVEN

RELIABLE

INTEROPERABLE

SCALABLE

MODULAR

About QuantaDyn Corporation

QuantaDyn provides simulation and training solutions, services, and support, specializing in Joint Fires Training Systems that leverage the expertise gained in delivering our Joint Terminal Control Training Rehearsal System (JTC TRS) and Advanced JTAC Training System (AJTS) products. Our mission is to provide modern, innovative answers to training needs, while taking full advantage of commercial-off-the-shelf (COTS) technology. Our experience includes virtually all phases of training device development for Joint Fires as well as both fixed and rotary wing aircraft for use on both military and commercial training systems programs.