



D5™

## Application Manager



- Manage and monitor up to 300 D5 Universal Edge QAMs (UEQs)
- Provision Motorola Privacy Mode encryption of VoD content securely
- Centralized D5 UEQ Management allows operator to make configuration changes to a selected set of D5 UEQs in one simple operation
- Configuration Support for D5 UEQ in SDV, Broadcast, VOD and M-CMTS Video Applications
- Various Client GUI & Network Server Deployment Options
- Upgrade the software image active on a selected set of D5 UEQs
- Monitor the status of D5 UEQs and their active video services
- Alarm Filtering and Forwarding
- D5 UEQ Configuration Backup
- D5 UEQ Statistical Reports
- Web based Network Server System Health Reports
- Allow users to generate SDV 3.0 / USRM third party QAM configuration files.
- Perform Device Inspection and QAM Signal Quality analysis
- Perform License Management audits

### Introduction

The ARRIS D5 Application Manager is an edge of the network software management client/server package that helps in bulk provisioning and monitoring of potentially 300 D5 Universal Edge QAM (UEQ) deployments in the one central management domain.

The Application Manager automates the complete D5 UEQ management life cycle ranging from discovery, simple logical interface configuration, software deployment, QAM configuration on third party SDV Servers, event management in a hybrid setup within the full NMS solution, privacy mode encryption, to complex PSI/SI table editing & section provisioning for broadcast support.

A suite of user-friendly, versatile and robust worksheets enable operators to deploy network wide D5 UEQ configuration changes, rules and filters for Broadcast, Video on Demand (VOD), SDV and M-CMTS video applications.

A broad range of server functionality supports real-time communications with D5 UEQs in the managed network and ensures the server performs network facing tasks, such as topology, inventory, fault management tasks, configuration tasks, status polling, performance management, and report generation seamlessly within its framework. The server provides the communication link between multiple clients connected to it in a distributed setup, where individual updates are broadcast to all registered clients.

Ancillary to the core batch configuration features, the Application Manager will help in capacity planning with real-time QAM utilization triggered events along with historical data, plus facilitate the edge of the network event filtering, aggregation, and forwarding to 3rd party NMS systems.

### Batch Configuration Tool (BCT)

The BCT worksheets mask the intrigued rules and policies with easy to use workflows and validation for network wide D5 UEQ configuration.

# Product Flyer

# ARRIS D5™ Application Manager

## **Privacy Mode Encryption Provisioning** *(This feature is provided to U.S. operators only.)*

Motorola Privacy Mode encryption of VOD content can be performed by D5 UEQs in the network. Application Manager provides a secure method to provision Privacy Mode encryption across many D5 UEQs. The provisioning capability is granular enough to select the particular QAM channels and video streams to be encrypted.

## **Advanced Provisioning**

The Application Manager enables the user to bulk provision many D5 UEQs from within the one work flow using the BCT. The tool configures input to output interfaces, Multi-cast setup, M-CMTS integration, ERM configuration, video application, rules and filters for SDV, Broadcast, and VOD, redundancy, Motorola Privacy Mode Encryption, and D5 UEQ user access.

## **Software Management**

The Application Manager provides graphical display of the software images active on the population of discovered D5 UEQs. It provides the ability to change boot configuration, image change control, multiple device upgrades, and automated configuration back-up per D5 UEQ.

## **PSI/SI Editor**

The Application Manager PSI/SI Editor can edit the contents of PAT, PMT, CAT, NIT, SDT (actual and other), TOT and TDT.

## **Network-Wide Fault Management**

Application Manager comes with extensive monitoring capability of all discovered D5 UEQs. The operator can monitor traps, event logs, transport streams and individual programs. The Application Manager provides hardware inventory, environmental telemetry and software audit reports. The Application Manager receives, correlates, and reports alarms, across multiple D5 UEQ devices utilizing embedded trap/event filters, forwarding, and aggregation algorithms.

## **Network Reports**

The Application Manager provides statistical data collections with triggers pre-configured by the user to generate various reports. Network wide reports cover inventory audits, software image audits, and environmental telemetry test point measurements.

## **SDV Third Party QAM Configuration Support**

The Application Manager supports dedicated view for RPC/GQI and NGOD/ERM configuration USRM third party QAM config file

## **Embedded Help System**

The Help System is integrated into the Application Manager GUI. Guidance on how to navigate and use the Application Manager tool set is only a few mouse clicks away.

## **[www.arrisi.com](http://www.arrisi.com)**

Find more information about the D5™ Application Manager and other D5™ products.

Product Specifications—

D5™ Application Manager Technical Specifications

(Publication Code: D5APPMAN\_TS.pdf)

## **Customer Care**

Contact Customer Care for product information and sales

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