

## Activator Router Provisioning & Management Industry Leading Zero Touch Provisioning Software



- Best in class - Zero Touch Provisioning software
- Core of the Merlin and GW Series ecosystem
- Enables significant reduction in commissioning costs
- Proactive asset monitoring further reduces site visits
- Simple, easy, automated router installation
- Scheduler enables small to estate-wide updates and patching
- Integration with your existing systems

### Activator Overview

Activator, rated best in class, enables fast, efficient and secure Zero Touch Deployment (ZTD) of our range of Merlin and GW Series routers. The automated software tool facilitates a robust method of remote Gateway deployment and mitigates the need for IT skills during product commissioning.

With over 20 years knowledge of Zero Touch Provisioning software and routers, developed and manufactured by Westermo Ireland, Activator and our routers combine to deliver the most robust ecosystem for modern Operational Telecoms networks.

Activator has a powerful set of options for deployment as a core component of a secure network including either physical or Virtual Machine (VM) standalone or on distributed servers. A solid foundation built using Windows Server and SQL ensures that the database of configurations for mass router deployments is kept secure and error free to support the long service life for deployed routers.

Activator offers a comprehensive solution for managing large estates of routers. Firmware and patches can be a challenge when implementing across a cellular network. A structured and fully managed process can be built using customer approved QA methodology, i.e. firmware can be uploaded to Gateways when the cellular network is quiet

and then deployed at a suitable time. Router templates and profiles can be designed and quickly deployed using securely controlled access groups.

### Monitor Overview

Monitor is a simple, yet effective management tool that is embedded within the Activator platform. Monitor enables the installed estate to be pro- and reactively-monitored. The wide feature set will enable OT or IT support teams to establish the likely cause of Gateway issues from cellular, fixed line or other WAN interfaces through to LAN and other connectivity issues. Together, Activator and Monitor provide a highly scalable management solution that grows with your service. The inclusion of Monitor reduces the need and additional cost for Network Management Software (NMS).

### Deployment - Functional Overview

A factory default configuration is created to match the specific customer or project requirements. Optionally, the file is QA checked by Westermo and installed into Merlin or GW Series routers at the factory prior to shipping, ready for direct deployment onsite. In addition, to ease installation and to reduce installation costs, the Gateways can be shipped with SIM cards and serial number labelling, significantly reducing commissioning time and costs.

Activator provides multiple options to import configuration settings to Merlin and GW Series routers, preparing them for deployment. From creating a profile with quick pages or importing bulk files using CSV or XML format through to a web services API.

When the routers are installed and powered up, they call home to Activator. The Gateways present their serial number and then their specific configuration file is downloaded. When they have rebooted, the router is live on Activator's monitoring system. Traffic will then pass securely across WAN or LAN interfaces.

### Bulk Software & Configuration Updates

Activator's Active Updates feature allows you to update configurations to devices on a network at the touch of a button. If needed, you can update all remote routers simultaneously. Active Updates supports firmware updates and bulk operations such as changing network-wide settings, i.e. firewall rule change. This can be done to selected groups of routers or the entire network.

### Automated Job Queue Workflow

Activator's job queue workflow means you can schedule configuration or firmware updates at a determined time slot. This can be anything from a single router test or bulk update to bring the whole estate up to the latest version of firmware; therefore, ensuring your assets are secure and up to date.

# Activator Servers

## Software Support

### Router Management

Feature	GUI	CLI	Activator
Local Configuration	✓	✓	✓
GUI/CLI Configuration	✓	✓	✓
Configuration and Profile Management			✓
Centralised Repository of Entire Network Configuration			✓
Remote Configuration Upload			✓
Remote Configuration Download			✓
Remote Profile Upload			✓
Remote Download			✓
SMART Patch Management/Firmware			✓
Best in Class - Zero Touch Deployment Software			✓
Configuration Build Assistance	✓	✓	✓
Configuration Build as a Service			✓
Profile Management Support			✓
Realtime Simple SNMP Tool/Monitor			✓
Software Licensing Required			✓
Firmware Management			✓
Bulk Upgrades with Built-in Scheduler			✓
API Support for Northbound Interfaces			✓
OSS Integrator for Bulk Device Creation			✓
Uniformity of Router Configurations			✓
Eases Today's Requirements for Complex, Secure Configurations			✓
Factory Configuration for Ease of Deployment			✓
Proxy SSH and HTTPS Access to Routers			✓
Multi-role Authorisation System			✓
Plug and Play: Non-technical installation			✓
Server Application with Browser Access			✓
RADIUS and LDAP Authentication			✓
Syslog Client Forwards Events to Central Syslog Server			✓
Two-factor Authentication			✓

### Activator & Monitor Software Requirements

Component	Supported Servers	License Requirements
Operating System (English version only)	Windows Server 2022* Windows Server 2019* Windows Server 2016*	1 server license for Windows Server
Database Server (English version only)	SQL Server 2022 SQL Server 2019 SQL Server 2016	1 processor license

\*Windows Server Web Edition cannot be used. For recommended server hardware specification and system architecture, please contact Westermo.