

# Efficient Remote Management for Goodmill Multi-channel Routers

For managing your Goodmill w24-series multi-channel routers efficiently and accurately, you need a sophisticated and optimized remote management tool. Goodmill Network Manager is ideally designed with this task in mind.

## MAIN FEATURES

- Full configuration capability
  - Configuration
    - Networking parameters
    - Firewall
    - WAN selection criteria
    - QoS
    - VPN parameters
  - Monitoring
    - Status information
    - Statistics
    - Trends
    - Faults
  - Software upgrade
  - Secure installation
    - Encrypted installation key
  - Secure device replacement
    - Encrypted replacement key
- Management channel always on a working WAN link
- Integration to higher-level management systems
  - Socket for SNMP queries and traps

## MANAGE, MONITOR, AND MAINTAIN THOUSANDS OF DEVICES

With Goodmill Network Manager, you can easily handle the speedy roll-out of all routers in the Goodmill w24 product family and securely monitor and maintain thousands of devices. Creating new devices and configurations is a straightforward process that can be carried out well before the physical installation. Field personnel do not need any skills on routing, firewalls, VPNs, etc. since dedicated specialists have created the necessary configurations in the system database, and they will be automatically transferred to the devices during physical installation.

Installed devices are constantly sending event and status messages to the management server. The server maintains a status view where service personnel can always monitor the status of the devices. This logged information can also be used to create various reports. For example, device usage and WAN link uptime reports can be created to monitor the total availability of the services. If there is a fault or malfunction, the maintenance personnel can also find it immediately.

A sophisticated remote management tool reduces service outages and unnecessary service visits to the remote sites. Sometimes a new functionality is introduced in an updated embedded software version. With remote management, you can quickly, easily, and securely download the new version to the installed devices without costly site visits.

## SECURE COMMUNICATION BETWEEN THE MANAGEMENT SYSTEM AND THE ROUTERS

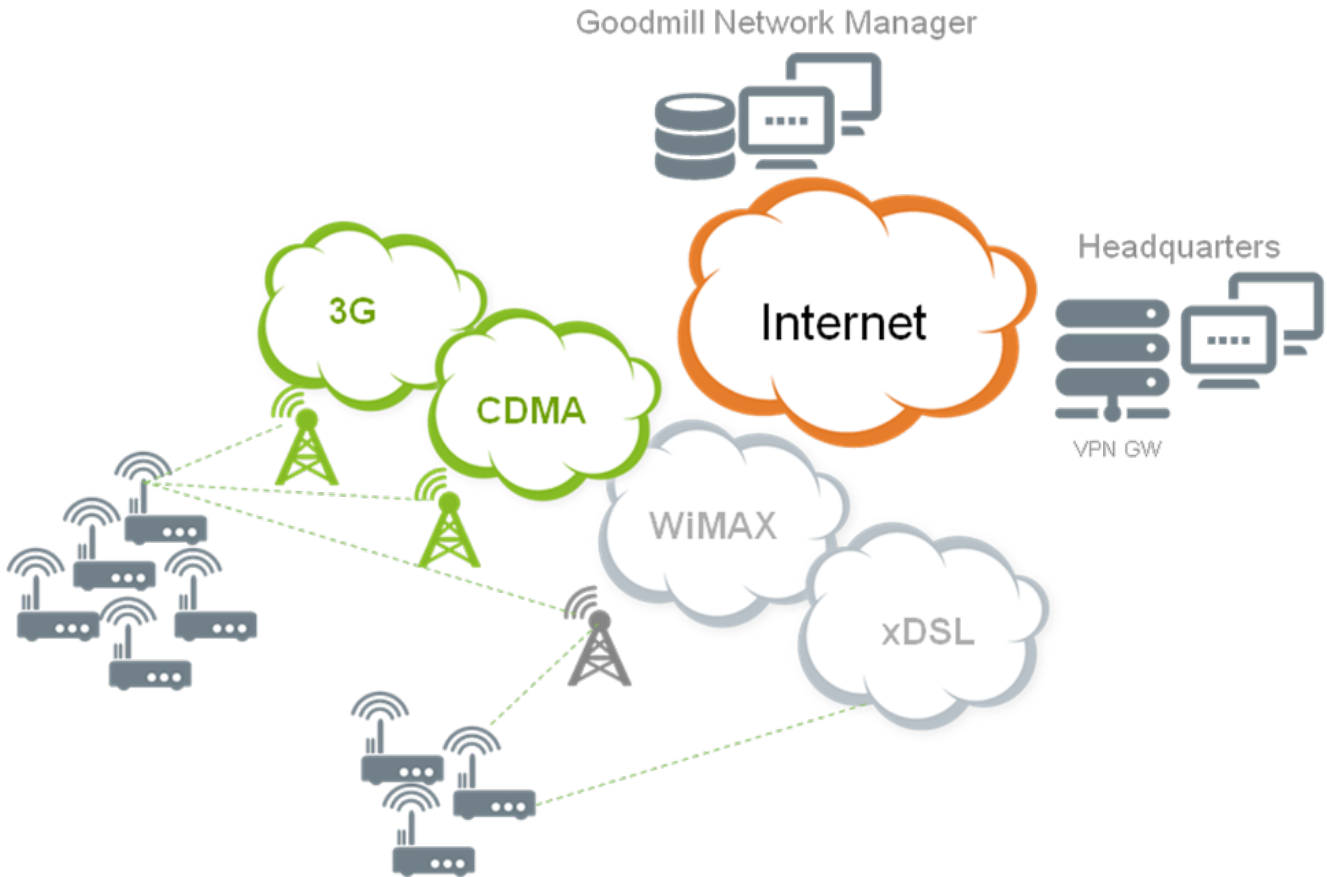
Goodmill routers always communicate with the management server using a secure HTTPS protocol. This ensures that the data traffic is always protected even when transported over a public network. Management sessions are also protected with individual usernames and passwords. Goodmill routers always initiate the management connection. For this reason, the devices do not need public IP addresses even when located behind a third party firewall.

## EASY AND SECURE DEVICE INSTALLATION AND REPLACEMENT

When you add a new device to your system, it automatically creates an installation key in the system database.

Our specialists create the proper configurations for the devices in the database. During the installation in the field, an installation key is given to the device. After this, the new router automatically contacts the management server and, once authenticated, downloads the previously created full configuration from the database.

The same secure mechanism works when you replace installed devices. All devices can be remotely configured, provided that the user has suitable privileges. Furthermore, embedded software can be remotely upgraded.



#### COMPUTER REQUIREMENTS FOR THE SERVER

Physical memory	>1 Gb RAM
Hard Disks	Mirrored 200 Gb
Protected power source	Yes
Linux software	Ubuntu version 8.04

**GOODMILL**  
Always online |

Manufactured by  
Goodmill Systems Ltd.  
Sinikalliontie 10  
FI-02630 Espoo • Finland

sales@goodmillsystems.com  
www.goodmillsystems.com