

>> MGOS 4.1 Release Notes

MGOS 4.1 is for MG90 Series routers.

New Features

Radio Modules

Added support for new variants of MG90 Series routers using the following modules:

- Bandrich M535 (LTE Band 14)
- AirPrime MC7354 (LTE/UMTS/GSM/EVDO/CDMA)

Updated module firmware:

- MC7430—02.24.03.00 (DoCoMo), 02.24.05.06 (Generic)
- MC7455—02.24.03.00 (Sprint/AT&T/Generic)

FIPS Support

New cipher suites added for MGOS FIPS version.

LCI—“FIPS” indicators added for MG90 running in FIPS mode

- LCI banner shows “FIPS Compliant”
- Easy Access banner shows “FIPS Compliant”
- Status > General—Cryptographic Modules field added indicating “FIPS Compliant”

Captive Web Portal

Added new CoovaChilli-based feature enabling use of a captive web portal/walled-garden environment. (LAN > Captive Portal)

HD Telemetry Application

Added support for the new Type II J-bus interface, which is required for use of the HD3-A3 scanner from B&B Electronics.

IPv6 Support

Added IPv6 gateway functionality.

Automatic Software Updates

Added feature to allow scheduled installation of automatically downloaded software. (General > Auto Software Updates)

VPN Setup

Added DH groups for ESP transforms. (Legacy transforms are still available.)

FTP

Added FTP Active mode support—Passive mode (default) and Active modes are now both supported.

To enable FTP Active mode, add the following to the BOOT rule in General > Advanced Routing Rules:

```
/sbin/modprobe nf_conntrack_ftp
/sbin/modprobe nf_nat_ftp
```

Addressed Issues

AMM

Resolved issue where GPS antenna status was incorrectly reported to AMM.

Resolved issue where cellular signal strength was incorrectly reported to AMM.

GPS/GNSS

Resolved issue with TAIP not zero-padding longitude values that had fewer than 3 digits.

GPS/GNSS LAN UDP Broadcast

Resolved issue where the broadcast address was calculated incorrectly for LAN segments defined with a /29 netmask (255.255.255.248) for local sentence forwarding.

12 Lead Transmission Devices (Bluetooth)

Resolved issue where transmissions would intermittently fail on a solid network connection.

Resolved issue where device would intermittently not pair with (discover) the router's built-in Bluetooth adapter.

Extended Status (Cellular) Display

Resolved issue where RSSI and RSRP values would appear as "Unknown". (Status > WAN)

Wi-Fi WAN Networks

Resolved Security Settings issue where the Authentication mode was forced to PSK when Protected Management Frames setting was modified.

Resolved issue causing Wi-Fi clients to be intermittently disconnected from the network.

WAN Load Balancing

Resolved routing issue when Load Balancing was enabled on two active cellular WAN links.

Unused Fields

Removed Database Persistence fields (Interval and Condition). (General > Services)

LAN Access Points

Resolved issue authenticating client when access point used hidden SSID (Broadcast SSID disabled). (LAN > Access Points)

Software Updates

Resolved issue where software downgrade could occur even if Allow Downgrade was disabled. (General > Auto Software Updates)

Resolved issue where download of a software update would not resume after being interrupted.

HD Telemetry Application

Resolved issue where the MG90 would reboot if the serial port was not plugged into the OBD scanner when the HDOBD application was enabled.

Radio Modules

Resolved issue where radio module firmware images were purged when the MG90 failed to detect the installed radio module(s).

Resolved Security Issues

Common Vulnerabilities and Exposures (CVE)[®]

Addressed security issue CVE-2016-5195 ("Dirty Cow").

Addressed security issue CVE-2016-0728.

Addressed Python-related security issues:

- CVE-2016-0772
- CVE-2016-5636
- CVE-2016-5699
- CVE-2016-1000110

Sierra Wireless Contact Information

Sales information and technical support, including warranty and returns:

Web: sierrawireless.com/company/contact-us/

Global toll-free number: 1-877-687-7795

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