

TOC

26.2.148.163 - June 2026, Patch	2
Security fixes	2
Bug fixes	3
DAL OS firmware update guidelines	5
Known issues	6
Primary Responder mode considerations	7
Devices that use DAL OS firmware	9
Step updates	10
Glossary	11

26.2.148.163 - June 2026, Patch

Release category: **Mandatory**

These release notes document the changes since the DAL LTS 26.2.148.158 release. There has been a number of enhancements, security fixes, and bug fixes for this release.

Security fixes

Package updates will include all security updates for the stated release, unless stated otherwise.

1. The Linux kernel has been updated to 6.18.32.
2. The OpenSSH package has been updated to v10.3p1
 - CVE-2025-61984
 - CVE-2025-61985
 - CVE-2026-35385
 - CVE-2026-35386
 - CVE-2026-35387
 - CVE-2026-35388
 - CVE-2026-35414
3. The dnsmasq package has been updated to v2.92rel2

- CVE-2026-4890
- CVE-2026-4891
- CVE-2026-4892
- CVE-2026-4893
- CVE-2026-5172

4. The expat package has been updated to v2.7.4

- CVE-2026-25210
- CVE-2026-24515

5. The OpenSSL package has been updated to patch CVE-2026-2673

- CVE-2026-2673

6. The Coovachilli package has been updated to v1.8

Bug fixes

1. An issue with Ethernet Bonding not working in the DAL 26 LTS release has been resolved. (DAL-13315)

2. The following IPsec issues has been resolved. (DAL-13249, DAL-13279, DAL-13213)

- The IPsec tunnel being incorrectly reported as down when it is up and functional.
- IKE packets not being sent when renegotiating the IPsec tunnel

3. TX64 5G units: An issue with Wi-Fi modules not initializing on the TX64 5G units has been resolved. (DAL-13468)
4. IX25 5G: SINR is now reported for the IX25 RedCap 5G SA connections. (DAL-13449)
5. IX25: An issue with PPPoE not working on the IX25 has been resolved. (DAL-13285)
6. Digi Remote Manager will now display the connection type as Wi-Fi if the device is connected via a Wi-Fi interface. (DAL-13450)
7. An issue where the SIM slot was not being displayed on the Web UI Modem status page has been resolved. (DAL-13265)
8. EX12: An issue where the Web UI Terminal page not loading on the EX12 when FIPS mode is enabled has been resolved. (DAL-13273)
9. An issue where large incorrect cellular Tx/Rx byte spikes were being reported on DRM has been resolved. (DAL-13154)
10. An issue where LTE bands higher than 99 could not be configured under manual band selection has been resolved. (DAL-13555)

DAL OS firmware update guidelines

Digi recommends that users of DAL OS devices update firmware in Digi Remote Manager.



TIP If you are updating many routers, see [Best practice | Update the firmware on multiple routers using a template](#).

It is also recommended that you review the following:

- Release information
- [What's new](#) and [release notes](#) for the current firmware version running on your devices, as well as any newer ones as this information may affect your update plan.

Known issues

- **TX54 product models**

The Serial status and statistics for the TX54 are incorrect on the Web UI and CLI (DAL-5763).

- **Bridging traffic from devices connected on an Ethernet port or Wi-Fi AP**

Due to the changes in the firewall, it is currently not possible to bridge traffic from devices connected on an Ethernet port or Wi-Fi AP in a bridged interface to a remote IP device via a gateway connected to an Ethernet port in the same bridged interface [DAL-9799].

- **IPsec using Default Router as the Local Endpoint**

There is an issue with IPsec where the tunnel will not come up when the default route is used as the Local Endpoint and the tunnel is not acting as the initiator. Specifying the interface type for the local endpoint should resolve the issue. [DAL-11361].

- **SSH / SCP login slow when FIPS mode is enabled**

Logging into SSH or SCP when FIPS mode is enabled can take more than 20 seconds. [DAL-12606].

Primary Responder mode considerations

DAL OS 23.9 and later supports a **PR¹** mode that can be enabled on any device. When enabled, the device acts as a Primary Responder PR device with a security-hardened, feature-restricted firmware targeted to comply with AT&T FirstNet® and Verizon ResponseVerify™ security requirements.

Features not available	Features available but disabled by default	Features enabled when PR mode is enabled
Telnet	SSH*	FIPS mode
Raw TCP listeners for serial ports	Wi-Fi pre-configured access points	
Wi-Fi WPA1 encryption	Internal serial console port	
Backup configuration file restore	USB ports	

*For DAL OS 25.8 feature release and newer, Primary Responder mode now requires key-based SSH authorization.

Additional considerations

- Users are prompted to enable two-factor authentication.
- A notification will appear in both the Web UI and CLI if the DAL device has Primary Responder mode enabled, but there are local users who do not have two-factor authentication enabled.

¹Primary responder

- The system `custom-default-config` CLI command available in release 24.12 cannot be run in Primary Responder mode.

Devices that use DAL OS firmware

Changes to DAL OS firmware for supported Cellular business unit devices are documented in this documentation portal and in the corresponding device user guides:

Console server	Enterprise	Industrial	IoT gateway and cellular router	Transportation
Connect IT Mini	EX12	IX10	IX15	TX40
	EX15	IX20		TX54
Connect IT 4	EX50	IX25		TX64
		IX30		TX64 RAIL
		IX40		TX65

Step updates

If your devices are running a firmware version **earlier than 24.6.17.54** and you want to update them to version **24.9.79.151** or newer:

1. Do a step update to version **24.6.17.69**.
2. Proceed with updating to newer versions.

Glossary

#

2FA

Two Factor Authentication

A

AI

Artificial Intelligence

API

Application Programming Interface

AT

Attention

C

CA

Carrier Aggregation

CLI

Command Line Interface

CMP

Connectivity Management Portal

CSV

Comma Separated Values

CTS

Clear to Send

D

DAL OS

Digi Accelerated Linux Operating System

DANI

Digi Artificial Network Intelligence

DCD

Data Carrier Detect

DL

Download

DRM

Digi Remote Manager

DSR

Data Set Ready

DSSS

Dual SIM Single Standby

E

eID

Embedded Identity Document

eIM

eSIM IoT Remote Manager

eMBB

Enhanced Mobile Broadband

ERC/CIP

Ethereum Request for Comments/Cardano Improvement Proposal

eSIM

Embedded Subscriber Identity Module

eUICC

Embedded Universal Integrated Circuit Card

EX

Enterprise

F

FOTA

Firmware Over-the-Air

G

GPS

Global Positioning System

GSMA

Global System for Mobile Communications Association

H

HTTPS

Hypertext Transfer Protocol Secure

I

IMSI

International Mobile Subscriber Identity

IP

Internet Protocol

IPA

IoT Profile Assistant

IX

Industrial

J

JSON

JavaScript Object Notation

L

LAN

Local Area Network

LPA

Local Profile Assistant

LTS

Long Term Support

M

MBIM

Mobile Broadband Interface Model

MCP

Model Context Protocol

mDNS

Multicast Domain Name System

MIoT

Massive Internet of Things

MNO

Mobile Network Operator

MSP

Managed Service Provider

MVNO

Mobile Virtual Network Operator

N

NMEA

National Marine Electronics Association

NSA

Non-Standalone

O

OTA

Over the Air

P

PLC

Programmable Logic Controller

PLMN ID

Public Land Mobile Network Identifier

PR

Primary responder

Q

QoS

Quality of Service

R

RSP

Remote SIM Provisioning

RTU

Remote Terminal Unit

S

SA

Standalone

SGP

Standardized Global Platform (for Secure Remote SIM Provisioning)

SIM

Subscriber Identity Module

SPN

Service Provider Name

SSH

Secure Shell or Secure Socket Shell

SSO

Single Sign On

T

TAIP

Trimble ASCII Interface Protocol

TCP

Transmission Control Protocol

TX

Transportation

U

UI

User Interface

UL

Upload

URL

Uniform Resource Locator

URLLC

Ultra-Reliable Low Latency Communication

V

VLAN

Virtual Local Area Network

VR

Virtual Reality

W

WAN

Wide Area Network

WLAN

Wide Local Area Network

WWAN

Wireless Wide Area Network