

GWN7660 / GWN7660LR Firmware Release Notes

IMPORTANT UPGRADING NOTE

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FIRMWARE FILE DOWNLOAD

Individual firmware files are available for downloading at URL below:

<https://www.grandstream.com/support/firmware>

[09/18/2026] FIRMWARE VERSION 1.0.27.20

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

09/18/2026

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: 5d0ea436b60b912194b6828a0df1d48a

CHANGES/ENHANCEMENT

- Added MAC address format configuration for MAC authentication.
- Added System Debug support for Cloud management.
- Added Microsoft 365 authentication support for Captive Portal.
- Added Wi-Fi Extension support.
- Added security version information.
- Optimized One-Key Debug with encryption support and renamed it to System Debug.
- Added packet capture support through the slave AP web interface.
- Added Bluetooth scan reporting for Cloud management.
- Added diagnostic tools (Diagnosis).
- Added a RADIUS NAS ID configuration option.
- Added Fast SSID Creation.
- Added 2.4 GHz and dual-band 2.4 GHz/5 GHz mesh support.
- Optimized RRM scanning.
- Added OWE support.
- Added Easy PSK support.
- Added Network Health monitoring for Cloud management.
- Added IPSG (IP Source Guard).
- Internal bug fixes.

[02/06/2026] FIRMWARE VERSION 1.0.25.42

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

02/06/2026

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: d1f7e598af8776e9b699853ec21911d8

CHANGES/ENHANCEMENT

- Fixed some security issues.
- Fixed external captive portal does not URL-Decode username/password before sending RADIUS request issue.
- Fixed Israel 5GHz channel issue.
- Fixed throughput issue after STA finished the portal authentication.
- Internal bug fixes.

[08/27/2025] FIRMWARE VERSION 1.0.25.41

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

08/27/2025

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: 785c3b759387247686f0f2e8a6d5b108

CHANGES/ENHANCEMENT

- Fixed issue where IPv6 traffic was not occasionally tagged.
- Fixed device performance degradation when VLANs are enabled.
- Fixed client disconnection issue due to 802.1X un-authentication failure.
- Fixed tagged traffic handling issue in access mode when DSCP is non-zero.
- Fixed long reconnection time issue after client reconnects to office Wi-Fi AP.
- Internal bug fixes.

[01/28/2025] FIRMWARE VERSION 1.0.25.38

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

01/28/2025

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: 6b8440c298c7e35449b1ce423190388b

CHANGES/ENHANCEMENT

- Adapted the new Wi-Fi standards in some countries.
- Fixed Norway DNF channels issue.
- Fixed some vulnerability issue.
- Fixed VLAN management related issue.
- Fixed Radius related issue.
- Internal bug fixes.

[09/23/2024] FIRMWARE VERSION 1.0.25.34

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

09/23/2024

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: 79c246d8b908aae18bc76bbc54235c0f

CHANGES/ENHANCEMENT

- Fixed device randomly rebooting issue.
- Fixed vulnerabilities issue.
- Internal bug fixes.

[06/07/2024] FIRMWARE VERSION 1.0.25.33

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

06/07/2024

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: 3f69581b7807433a60025d49328af854

CHANGES/ENHANCEMENT

- Added support for multi-VLAN Wi-Fi roaming.
- Added WP series device fast configuration support.
- Added support for MAC-Based RADIUS authentication (not supported on GWN7600/GWN7610/GWN7602)
- Added support of OS filtering
- Increased the number of MAC addresses which can be added in the Client isolation.
- Increased Whitelist/Blacklist limit to 1024. (not supported on GWN7600/GWN7610/GWN7602)
- Added L2TPv3 tunnel support. (GWN7660/GWN7661/GWN7662/GWN7664)
- Added GWN anti-theft lock.
- Added LLDP protocol support.
- Added new LED Pattern for uplink down/no network.
- Fixed the unit does not broadcast SSID when added to the GWN Cloud/Manager issue.
- Fixed mesh connection delayed establishment issue.
- Fixed the unit randomly stops sending RADIUS authentication request issue.
- Fixed client randomly lost internet after connected to the AP issue.
- Fixed un-authorized clients can access internet via VPN issue.
- Fixed the devices display no usage when clients are connected and generating traffic issue.
- Fixed AP randomly reboot and generates core panic issue.
- Fixed clients unable to connect to AP unless rebooted issue.
- Fixed APs unable to pass RADIUS attribute 8 issue.
- Fixed devices use wrong MAC on the network issue.
- Internal bug fixes.

NEW FEATURE OVERVIEW

- **New LED Pattern for uplink down/no network.**

This feature is supported on slave AP

- **Blue LED always on:** When slave AP successfully paired.
- **Flashing Purple LED:** When slave AP is disconnected due to no network, when GWN Cloud/Manager, or master device is disconnected.

[05/09/2024] FIRMWARE VERSION 1.0.25.19

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

05/09/2024

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: 5e247d6f105f949c7e5bc04d58d74b91

CHANGES/ENHANCEMENT

- Fixed the issue where non-admin accounts are disabled by default.
- Internal bug fixes.

[04/05/2024] FIRMWARE VERSION 1.0.25.18

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

04/05/2024

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: f23b95b7d462491390bdc773b841719e

CHANGES/ENHANCEMENT

- Added L2TPv3 tunnel support.
- Internal bug fixes.

NEW FEATURE OVERVIEW

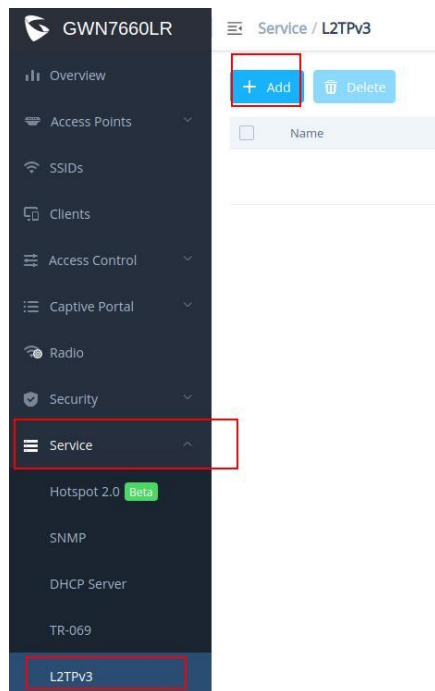
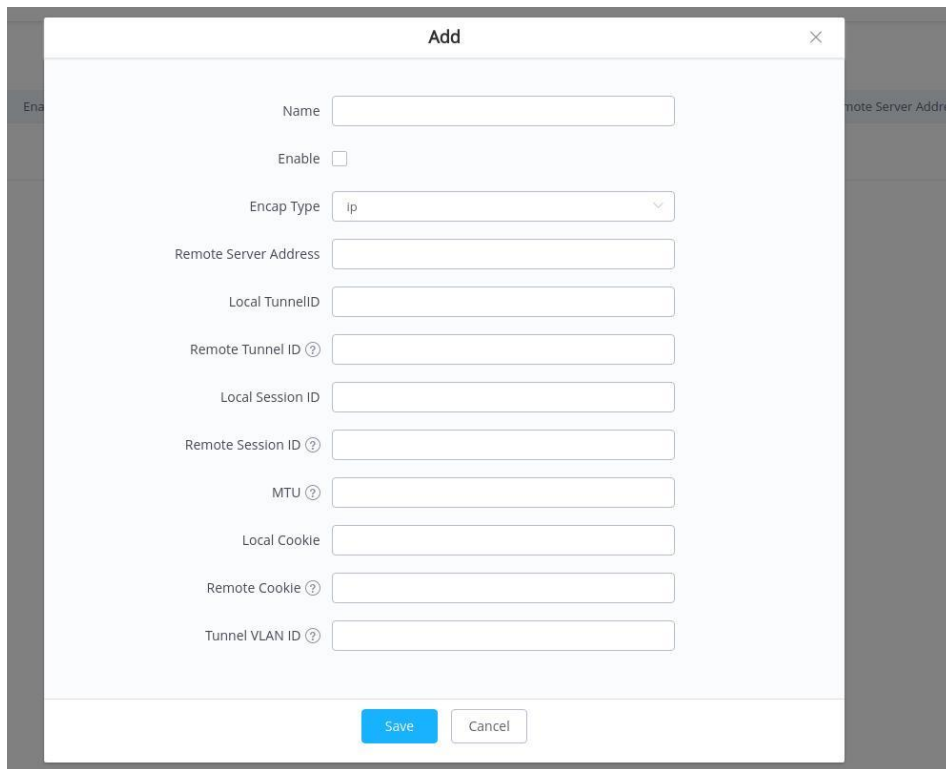
- **Added L2TPv3 tunnel support.**

This feature will allow admins to enable and configure L2TPv3 on the device. Please refer to the screenshots and options below.

Note: It is best to set the MTU to match the server to avoid network connectivity issues.

- **Name:** Set the name of the tunnel.
- **Encap Type:** Set the encapsulation type of the tunnel. Valid values for encapsulation are: UDP, IP.
- **Remote Server Address:** Set the IP address of the remote peer.
- **Local Tunnel ID:** Set the tunnel id, which is a 32-bit integer value. This uniquely identifies the tunnel.
- **Remote Tunnel ID:** Set the peer tunnel id, which is a 32-bit integer value assigned to the tunnel by the peer.
- **Local Session ID:** Set the session id, which is a 32-bit integer value. This uniquely identifies the session being created. The value used must match the peer_session_id value being used at the peer.
- **Remote Session ID:** Set the peer session id, which is a 32-bit integer value assigned to the session by the peer. The value used must match the session_id value being used at the peer.
- **Local Cookie:** Set an optional cookie value to be assigned to the session. This is a 4 or 8 byte value, specified as 8 or 16 hex digits, e.g. 014d3636deadbeef. The value must match the peer_cookie value set at the peer. The cookie value is carried in L2TP data packets and is checked for expected value at the peer. Default setting is no cookie used.
- **Remote Cookie:** Set an optional peer cookie value to be assigned to the session. This is a 4 or 8 byte value, specified as 8 or 16 hex digits, e.g. 014d3636deadbeef. The value must match the cookie value set at the peer. It tells the local system what cookie value to expect to find in received L2TP packets. Default is no cookie used.

- **Tunnel VLAN ID:** The tunnel ID must be set in SSID, and make sure that SSID only has the AP(s) who enabled L2TPv3.

The screenshot shows the 'Add' dialog box for L2TPv3 configuration. The dialog has a title bar with 'Add' and a close button. The form contains the following fields and controls:

- Name: Text input field.
- Enable: Checkmark input field.
- Encap Type: Dropdown menu with 'ip' selected.
- Remote Server Address: Text input field.
- Local TunnelID: Text input field.
- Remote Tunnel ID: Text input field with a help icon.
- Local Session ID: Text input field.
- Remote Session ID: Text input field with a help icon.
- MTU: Text input field with a help icon.
- Local Cookie: Text input field.
- Remote Cookie: Text input field with a help icon.
- Tunnel VLAN ID: Text input field with a help icon.

At the bottom of the dialog are 'Save' and 'Cancel' buttons.

[02/07/2024] FIRMWARE VERSION 1.0.25.15

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

02/07/2024

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: b9f7596cc0e58ecc1a6b4c30e85de6dd

CHANGES/ENHANCEMENT

- Fixed devices display no usage issue.
- Fixed 2.4GHz randomly goes down issue.
- Fixed AP getting high memory usage alert and reboot issue.
- Fixed option 43 SSH representation incomplete issue.
- Fixed devices not able to connect to AP issue.
- Fixed device unable to pass Radius Attribute 8 issue.
- Internal bug fixes.

[09/25/2023] FIRMWARE VERSION 1.0.25.10

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

09/25/2023

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: d670a93746688c892ac26da1a0536362

CHANGES/ENHANCEMENT

- Added support for Speed Test (Not supported by GWN7610 & GWN7602)
- Internal bug fixes.

[07/24/2023] FIRMWARE VERSION 1.0.25.7

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

07/24/2023

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: 1d4d6f1459c809df7ec97b8eab0e9aa1

CHANGES/ENHANCEMENT

- Increased PPSK profiles.
- Increased the client expiration time to 30 days.
- Added device name in syslog messages.
- Added 80MHz channel width in Indonesia country for the 5G band.
- Added support for timestamp and security signature on the URL redirect.
- Fixed radio configuration about DFS channel does not take effect.
- Fixed slave AP automatically factory reset when transferring to the Manager.
- Fixed obscured characters from the schedule name.
- Modified the countermeasure prompt.
- Fixed terminal VLAN ID and downlink PVID intercepts issue when they are different.
- Fixed GWN menu "Error received: -16".
- Fixed the network card status switches multiple times after first pairing.
- Fixed client not getting any IP when the configured VLAN ID is set to 2.
- Fixed RE slow issue when connected to it, also fixed the RE disconnected issue when acquiring IP.
- Fixed physical port VLAN tag does not work issue.
- Fixed wrong LED test light status issue.
- Fixed 5G TX power test failed issue.
- Fixed AP CPU temperature consistently displays as 20°C issue.
- Fixed "5G channel automatically switched from 6 to 161" prompt issue when switching SSID from dual to 5G.
- Fixed not receiving alarm notification after changing alarm setting frequently.
- Fixed AP not responding to cloud after receiving the distributed configuration.
- Fixed the alert settings "AP channel automatically switched" should not contain channel 0 issue.
- Fixed the password authenticate fails when set above 11 digits.
- Fixed DHCP relay feature unusable when switched the primary device.
- Fixed the voucher status displayed issue.
- Fixed unable to kick out the terminal connected to slave issue.
- Fixed the LED light turns on too slow issue after powering up.
- Fixed AP keeps rebooting when there are too many SSIDs in the environment.

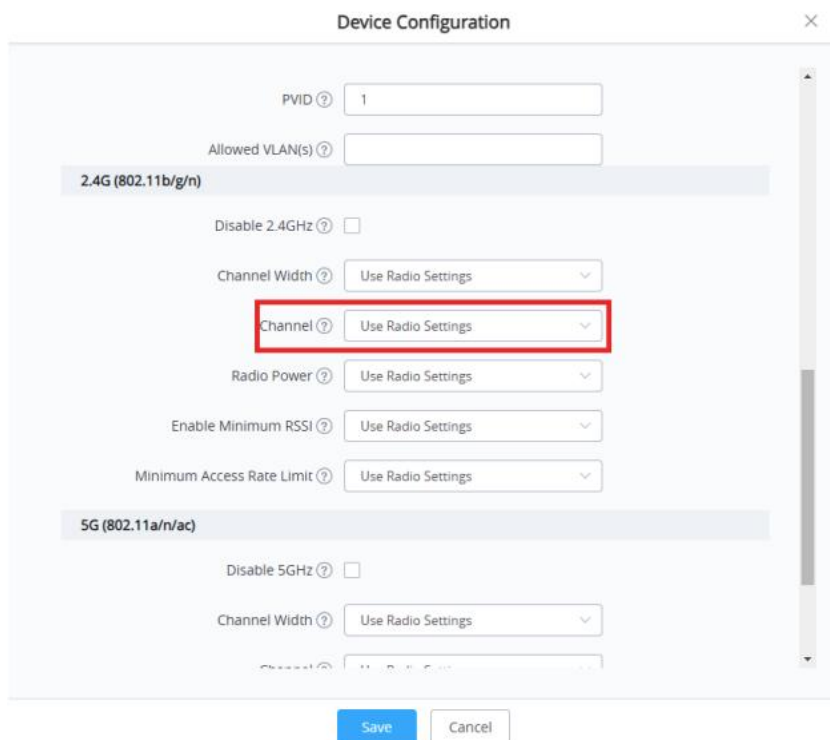
- Fixed slave AP reboot and generate panic core issue.
- Fixed network loop occurs issue.
- Fixed secondary channel set lower than main channel but still displayed wrong in the AP channel list issue.
- Fixed devices automatically reboot when associated with 2.4G band.
- Fixed devices crash after receiving the configuration from the cloud.
- Fixed “Error” prompt when acquiring logs after adding devices onto cloud.
- Fixed Honeywell thermostats not connecting issue.
- Fixed the wireless device cannot obtain IP address issue when enabling DHCP service.

NEW FEATURE OVERVIEW

- **Added support for custom Channel on 2.4G band.**

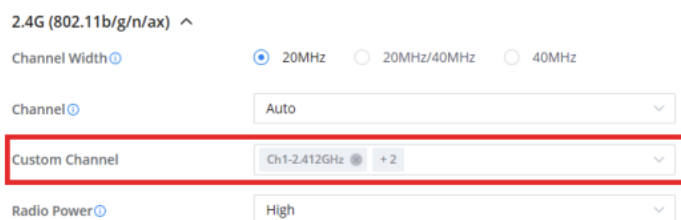
This feature will allow admins to customize the desired channel on the 2.4G band.

Web UI: Access Points → Configuration → Device Configuration



The screenshot shows the 'Device Configuration' window. Under the '2.4G (802.11b/g/n)' section, the 'Channel' dropdown menu is highlighted with a red rectangle. The dropdown currently shows 'Use Radio Settings'. Other settings visible include PVID (1), Allowed VLAN(s), Disable 2.4GHz (unchecked), Channel Width (Use Radio Settings), Radio Power (Use Radio Settings), Enable Minimum RSSI (Use Radio Settings), and Minimum Access Rate Limit (Use Radio Settings). The '5G (802.11a/n/ac)' section is also visible below.

On GWN Cloud: Settings → Wi-Fi → Global Radio Settings → 2.4G



The screenshot shows the '2.4G (802.11b/g/n/ax)' settings page. The 'Channel' dropdown is set to 'Auto'. Below it, the 'Custom Channel' dropdown is highlighted with a red rectangle and shows 'Ch1-2.412GHz +2'. Other settings include Channel Width (radio buttons for 20MHz, 20MHz/40MHz, 40MHz), Radio Power (High), and a 'Channel' label above the main dropdown.

[05/31/2023] FIRMWARE VERSION 1.0.25.3

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

05/31/2023

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: a220521f75e544b7d479ad48804f9bcd

CHANGES/ENHANCEMENT

- Fixed an issue causing MESH network instability on 1.0.25.1.
- Internal bug fixes.

[09/19/2022] FIRMWARE VERSION 1.0.23.6

PRODUCT NAME

GWN7660 / GWN7660LR

DATE

09/19/2022

FIRMWARE FILE INFORMATION

- GWN7660 / GWN7660LR Firmware file name: gwn7660fw.bin
MD5 checksum: eeaae4bdaedbe246037f2e0974fc3b56

CHANGES/ENHANCEMENT

- Fixed an SSH security bug.