

# Firmware (LOB-GW-HYB-WMBUS)



**For Wireless M-Bus Gateway V3 (LOB-GW-HYB-WMBUS) only**

This Firmware is only to be used with LOB-GW-HYB-WMBUS.



**How do I update the firmware?**

Please refer to [Updating Firmware](#) on the page about our Lobarö Maintenance Tool.

## Firmware Update Downloads

Only for hardware revision 3 (since 12/2021, single antenna MMCX, LOB-GW-HYB-WMBUS). Please check if the currently running version is older and the firmware name matches before performing the update.

### Latest Firmware Download:

See [Firmware Downloads](#)

Product identification:



Current firmware identification via [Lobarö Tool](#) log output:

Lobarö Industrial IoT Solutions

Maintenance Tool V1.15.1-NEXT

Show Log File

Hardware Connection

Disconnect Reset

Hardware Information

Connection: Connected

Running: Firmware

Port: /dev/cu.SLAB\_USBtoUART

Configuration Logs Firmware

Clear Log Run (reset) Scroll Down Auto scroll

Filter Log Clear Filter Lines: 13542 Commands: Set Time

```
12:27:16 -----
12:27:16 Started app-boot-nrf9160-sec v1.8.0 T22
12:27:16 Reset Reason: nRESET pin pulled low + Software reset (0x10001)
12:27:16 Compiled: Dec 1 2021 14:46:57
12:27:16 -----
12:27:16 Device firmware Versions:
12:27:16 (1) app-mcuboot-nrf9160-sec v1.3.0+MB T22 (Sep 9 2021 12:28:53)
12:27:16 (2) app-boot-nrf9160-sec v1.8.0 T22 (Dec 1 2021 12:09:08)
12:27:16 (3) app-nrf9160-umbus v0.13.10+hw3 T22 (May 6 2022 10:31:50)
12:27:16 -----
12:27:16 Booting main app image...
12:27:16 ###BOOT###
12:27:16 BRD| vcc=2.999V, vcc_critical=2.700V
12:27:16 BRD| voltage good
12:27:16 Setting hard fault handler to: 0x37079
12:27:16 -----
12:27:16 Running App: app-nrf9160-umbus v0.13.10+hw3 T22 (May 6 2022 10:31:50)
12:27:16 Boot App: app-boot-nrf9160-sec v1.8.0 T22 (Dec 1 2021 12:09:08)
12:27:16 Mcuboot App: app-mcuboot-nrf9160-sec v1.3.0+MB T22 (Sep 9 2021 12:28:53)
12:27:16 Compiled: May 6 2022 10:31:48
12:27:16 For board: nrf9160-sx-gw2
12:27:16 -----
12:27:16 Last error:
12:27:16 Final words:
12:27:16 -----
12:27:16 NRF| Seeding random number generator: 916547356
12:27:17 UID is d4997d19-9d3b2e08
12:27:17 sx1261 Task started
12:27:17 SX activate IO
12:27:17 sx1261 Reset SX1261 done
12:27:17 sx1261 Set default config
12:27:17 sx1261 Driver ready
12:27:17 sx1261 releaseAndResetPhy called
12:27:17 sx1261 suspend driver task
12:27:17 [LTE] nrf-modem lib v1.4.0-3-g932ae2250cdc
```

Current firmware identification via Lobarö platform:

[Devices](#) > [70b3d5e0500114a2](#)

**70b3d5e0500114a2**

Lobaro NB-IoT wMBus Gateway · 70b3d5e0500114a2 · Serial: 12360

## Device Properties

| NAME              | VALUE                                                    |
|-------------------|----------------------------------------------------------|
| device.app        | app-nrf9160-wmbus v0.13.10+hw3 TZ2 (May 6 2022 10:31:50) |
| device.assert     |                                                          |
| device.awakeTime  | 0                                                        |
| device.band       | 8                                                        |
| device.board      | nrf9160-sx-gw2                                           |
| device.boot       | app-boot-nrf9160-sec v1.8.0 TZ2 (Dec 1 2021 12:09:08)    |
| device.bootCycles | 1                                                        |

## Firmware Changelog

[Firmware Updates \(app-wmbus\)](#)