

# Firmware 2.12.22 & Monitoring App 2.6.3

## INSYS EBW series

---

### General information:

The update package contains the following files:

- |                        |   |
|------------------------|---|
| • system_EBW_2.12.22   | always necessary (for series E100, H100, W100, WH100) |
| • system_EBW_L_2.12.22 | always necessary (for series L100)                    |
| • data_EBW_2.12.22     | always necessary                                      |
| • Monitoring_2.6.3     | only necessary if Monitoring App is used              |

On the last page you'll find the [update process](#) and the checksums for the files!

- Additional information for Monitoring App on our web site: <http://www.insys-icom.com/Monitoring-App>
- The latest manuals are available on our web site: <http://www.insys-icom.com/icom/en/support-downloads>

### Intended use for INSYS products:

- INSYS EBW-H100
- INSYS EBW-E100
- INSYS EBW-W100
- INSYS EBW-WH100
- INSYS EBW-L100

### Important notes:

- **The EBW-L100 devices has their own system update file (see above)**
- **Only for Monitoring App:**
  - **It's an optional update for devices with firmware version of at least 2.12.18**
  - **After standard installation no licenses for the functions Logo, Modbus, S7 are included.**
  - **Licenses can be ordered at INSYS icom sales department**
- **Regarding LAN-Port 2 of EBW devices except EBW-E:**
  - **After update to 2.12.22, LAN port 2 remains configured as before**
  - **Since 2.12.7 devices with factory settings have LAN port 2 by default in mode „deactivate“ as preparation for LAN(ext) and redundant WAN. If required, LAN port 2 can be reconfigured as second LAN port (menu LAN(ext)).**
  - **If EBW-W/-WH is used in WLAN client mode, LAN port 2 is automatically second LAN port.**

### Preconditions:

- Make sure nobody else is working on the web interface too!
- The power supply must not fail or be switched off in any case!
- We recommend to save the configuration first (Download page).

### Latest Release Notes:

Since version 2.12.21

#### Functional Change:

- Email: configuration of TLS 1.2 and TLS 1.3 possible
- EBW-L: If LAN (ext) is active but no redundancy is configured, a message text is displayed in the web interface
- Serial Ethernet gateway: Configurable response timeout for the Modbus gateway
- OpenSSL: Update to version 1.1.1.q
- OpenVPN: Update to version 2.4.12
- Openswan: Update to version 2.6.52
- dropbear: Update to version 2022.82
- stunnel: Update to version 5.67

#### Bug Fixes:

- EBW-L: Sporadically failed DNS name resolution fixed
- EBW-L: cellular modem ist restarted if no DHCP client could be started after a daily logout & login

# Firmware 2.12.22 & Monitoring App 2.6.3

## INSYS EBW series

---

### Latest Release Notes:

#### Since version 2.12.20

**Functional Change:**

- Connectivity Service: Added new CA-Certificate for Init-Service.

**Bug Fixes:**

- EBW-L: Ethernet switch gets reset correctly on restart.

#### Since version 2.12.19

**Functional Change:**

- China VPN: DNS resolution via a DnsOverHttps proxy ensures availability if the IP address is changed.
- Update OpenSource Package: Update to ppp2.4.5 including security patches

**Bug Fixes:**

- E-mail dispatch: increased reliability

#### Since version 2.12.18

**Functional Change:**

- Autoupdate: Update process is delayed after a manual update has been started.
- Update OSS packages: Most of the OSS packages used have been updated. Therefore, please check your PKI for compatibility, e.g. the use of MD5 and convert it to a modern process, for example SHA2 or the changed CRL handling (e.g. last update parameter)..
- Sandbox: System V queues are also supported for EBW-L

**Bug Fixes:**

- Mobile: Crash of the web interface fixed if provider is read with CR (0x0A)
- SMS: SMS reception on EBW-L devices is possible again without restarting the modem
- Mobile radio: Provider name is "NONE" if unknown
- MCIP: SMS readout error does not lead to missing status values
- Web interface: Fixed command injection for debug commands
- Web interface: Netmask is no longer deleted when creating a default route
- Serial-Ethernet-Gateway: Connection can be terminated again via ATZ
- RSM: Using correct MAC addresses

#### Since version 2.12.17

**Bug Fixes:**

- EBW: unintended deactivation of switch after LAN (ext) configuration fixed
- ASCII configuration: configured SMS protocol (GSM or UCS2) will be exported correctly again
- Quick start of MoRoS LAN or EBW-L: sporadic deactivation of DNS relay fixed
- Update: reliability of update process improved

#### Since version 2.12.16

**Functional Change:**

- IPsec: Extension of supported key parameters by hash function SHA2-256 and DH groups 14-18

**Bug Fixes:**

- Operation of external ADSL modems with EBW routers: Connections with VLAN tags are supported correctly in PPPoE mode
- SNMP agent: correct function restored (was missing in release 2.12.16)

Additional information regarding older versions is available from the INSYS support: [support@insys-tec.de](mailto:support@insys-tec.de)

# Firmware 2.12.22 & Monitoring App 2.6.3

## INSYS EBW series

---

### Latest Release Notes:

#### Since version 2.6.2 of the Monitoring App

**Function changes:**

- Compatibility update to OpenSSL 1.1.1

Important note: if the SMS function of the monitoring app is used, please check the router firmware beforehand Update 2.12.18 before an update to 2.12.19 takes place.

#### Since version 2.6.1 of the Monitoring App

**New Functions:**

- SMS reception: incoming SMS can be configured without comparison text >> event will be triggered with every incoming SMS.
- SMS reception: incoming SMS will only be compared for match up to the length of the comparison text >> event will be triggered, even if incoming SMS is longer than comparison text.
- Mobile radio signal strength: can be used as system variable \$SIGNAL for SMS, eMail, MQTT and Cumulocity/Cloud of Things (Measurement)

**Bug fixes:**

- Cumulocity / Cloud of Things connection: stability improvement of the self registration function

#### Since version 2.5.2 of the Monitoring App

**New Functions:**

- SMS with router EBW-L100: SMS dispatch and receipt is supported by the Monitoring App (note: SMS function is available for EBW-L100 since INSYS OS 2.12.11)

**Bug fixes:**

- Cumulocity / Cloud of Things connection: stability improvement of the self registration function

#### Since version 2.5.1 of the Monitoring App

**New Functions:**

- Cloud connection: self-registration with Cumulocity and Telekom Cloud of Things (extended device registration)
- Cumulocity / Telekom Cloud of Things connection: storing of the device properties in case of missing Internet connection (for sending when connection is available again)

**Bug fixes:**

- Modbus connection: reading individual bytes from input or holding registers works also from bit 8 (before only for bits 0-7)

#### Since version 2.5.0 of the Monitoring App

**New Functions:**

-

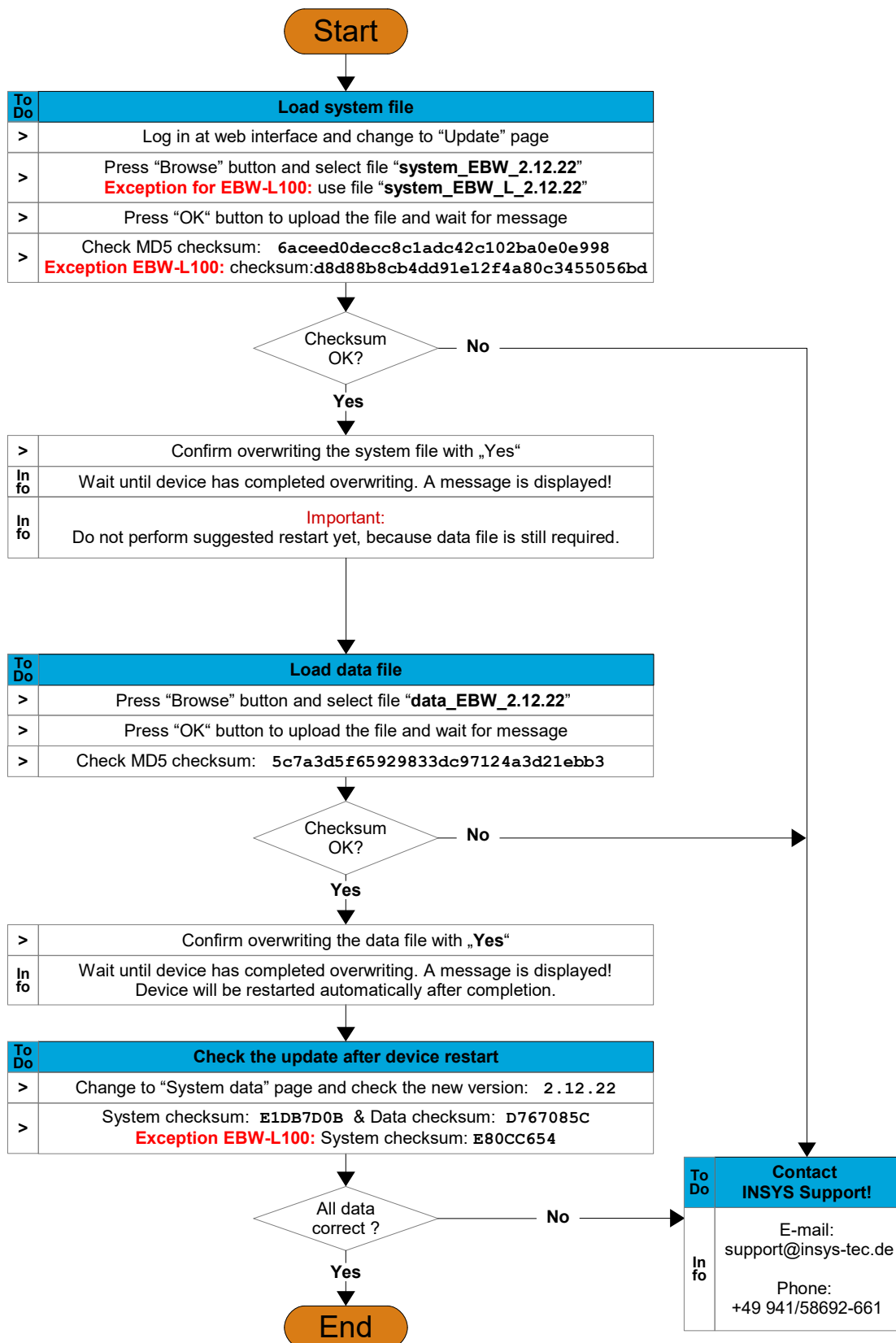
**Bug fixes:**

- SMS, e-mail: correct message dispatch (has been prevented with version 2.5.0)
- Logo 0BA8: Elements can be used in logic operations (was not possible with version 2.5.0)

Additional information regarding older versions is available from the INSYS support: [support@insys-tec.de](mailto:support@insys-tec.de)

# Update Firmware 2.12.22

## INSYS EBW series



# Update Monitoring App 2.6.3

## INSYS EBW series

