SW/FW Update Decision Guide

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GMC INSTRUMENTS

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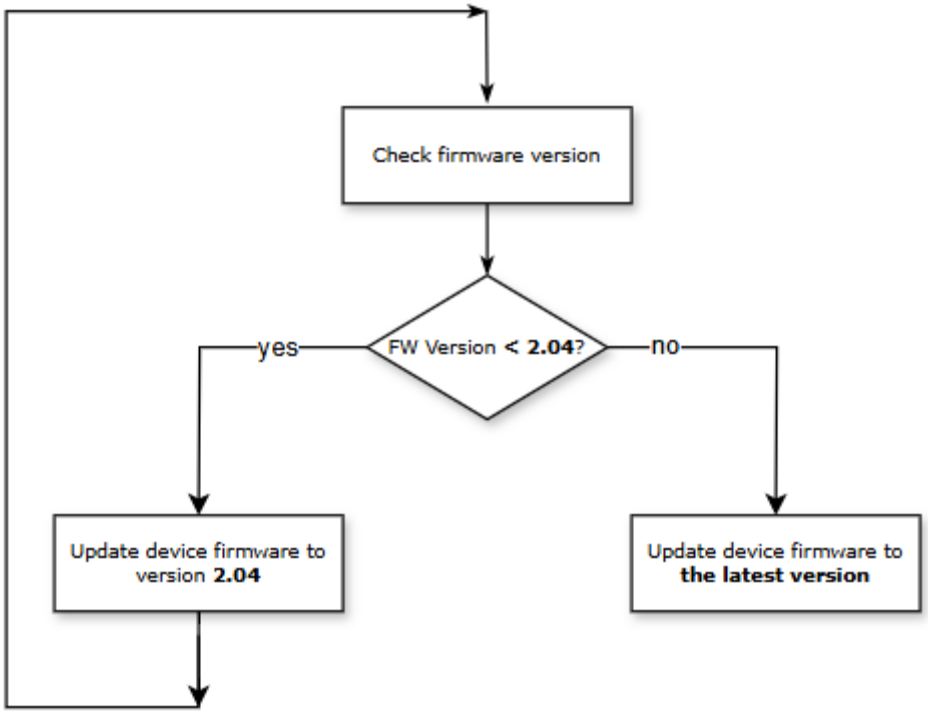
1. Decision Guide

To ensure a successful update to the latest firmware version, follow this decision logic:

1. **Check Current Firmware Rev. Version**
    - Access the device WebGUI and navigate to
        - **> Service > Device information > Device version**
2. **Determine Update Path:**
    - **If Version < V2.04:** You must first update the device to **Version V2.04**. After this update is complete, repeat the SW Version Check.
    - **If Version >= V2.04:** You can proceed directly to update with the **latest Firmware Version**



2. Technical Description: Updating to V2.04

If your device is below version 2.04 (e.g., version 2.0.6162), follow these steps using the **EasyUpdater** tool:

2.1 Configuration and Initialisation

- **Target Device:** Enter the **IP address** of the target device (e.g. AM3000, *192.168.62.66*) into the EasyUpdater.
- **File Selection:** Select the firmware image file (e.g. *am3000-image_2.04.7857-10.fit*)
- **Start Update:** Initiate the process. The tool will first "Get device state...".
- **Confirmation:** A pop-up will display the current and new firmware versions. Click **Confirm** to proceed.

2.2 Automated Update Sequence

The tool performs a series of automated steps including system preparation, partition writing (Updater/U-Boot/MLO), loader booting, and firmware uploading. It concludes by writing the root file systems and kernel to the device.

2.3 Completion and Verification

- **Reboot:** After the firmware is successfully written, the device will automatically reboot.
- **Wait Period:** A countdown (approx., 300 seconds) will appear; wait until the device has finished booting.
- **Success Confirmation:** The status will change to "The device has booted" followed by:
    - **"Successfully updated (AM3000: SW 2.04.7857-10)"**.
- **WebGUI Check:** Log back into the WebGUI.
    - **Service > Device information > Device version**
        - The **Firmware Rev.** should now display **2.4.7857**.

Note: Once the device is at version 2.04, you can repeat the process to update to the latest SW Version as required by the update logic.

3. Technical Description: Updating to latest Firmware Version

If your device has version 2.04 or above, follow these steps using the **EasyUpdater V2.27** tool:

3.1 Configuration and Initialisation

- **Target Device:** Enter the **IP address** of the target device (e.g. AM3000, *192.168.62.66*) into the EasyUpdater.
- **File Selection:** Select the firmware image file (e.g. *am3000-image_3.21.11726-26.fit*)
- **Start Update:** Initiate the process. The tool will first "Get device state...".
- **Confirmation:** A pop-up will display the current and new firmware versions. Click **Confirm** to proceed.

3.2 Automated Update Sequence

The tool performs a series of automated steps including system preparation, partition writing (Updater/U-Boot/MLO), loader booting, and firmware uploading. It concludes by writing the root file systems and kernel to the device.

3.3 Completion and Verification

- **Reboot:** After the firmware is successfully written, the device will automatically reboot.
- **Wait Period:** A countdown (approx., 300 seconds) will appear; wait until the device has finished booting.
- **Success Confirmation:** The status will change to "The device has booted" followed by
    - **"Successfully updated (e.g. AM3000: SW 3.21.11726-26)"**.
- **WebGUI Check:** Log back into the WebGUI.
    - **Service > Device information > Device version**
        - The **Firmware Rev.** should now display the latest Firmware Version (e.g. **3.21.11726**)