

**Product information letter #166**  
**2024-10-10**

## WeOS 5 – Upgrade and Transition Guideline

**New firmware image format:** With the introduction of secure boot products, WeOS now operates on a new firmware image format starting from version 5.22.0. Significant changes have been made to the WeOS 5 upgrade process, impacting all products.

**Transition requirements:** The only possible transition between the new and old format is from WeOS 5.21.1 to WeOS 5.22.0 and it also requires that the primary firmware image, secondary firmware image and bootloader firmware image are updated in a single step. Once the device has been upgraded to the new format further upgrades can be made to either the primary firmware image, secondary firmware image or bootloader firmware image individually or all of them at once.  
*(please see the release notes of your WeOS release)*

### **Upgrade requirements for WeOS version 5.22.0:**

Any products upgrading to WeOS 5.22.0 are required to:

- 1) Upgrade the primary image to WeOS 5.21.1
  - a. The device will reboot automatically after upgrading
- 2) Use the 'upgrade all' command using the WeOS 5.22.0 pkg file
  - a. 'upgrade all' will install the necessary images for Secondary, Bootloader and Primary before rebooting (in that listed order)
- 3) The device is updated to WeOS 5.22.0 and ready to use

### **Downgrade requirements for WeOS 5.22.0 and newer:**

Any products downgrading to an older WeOS version than WeOS 5.22.0 are required to:

- 1) *If the device has a newer version than WeOS 5.22.0:*  
Downgrade the primary image to WeOS 5.22.0
  - a. The device will reboot automatically after downgrade
- 2) Use the 'upgrade all' command using the WeOS 5.21.1 pkg file
  - a. 'upgrade all' will install the necessary images for Secondary, Bootloader and Primary before rebooting (in that listed order)
- 3) The device is downgraded to WeOS 5.21.1 and ready to use or ready to be downgraded to an older WeOS version  
*(please verify how to further downgrade by reading the release notes or contact your technical support team)*

For any further information or assistance please contact your normal Westermo support channel.

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Westermo Product Management