Hayward Omni Control Products

Release Notes for Firmware Revision R5.2.0

October 23, 2025

New in this release

- Added compliance to CEC T20 FDAS Pool Control Requirements
- Network connectivity and reliability improvements
- Excessive alarms for Chlorination bug fix
- Support for Jandy VSP
- Other bug fixes

Firmware Files Included

Revision	Filename	Date	Product
R5.2.0	MSP_AR_R0502000	09/12/2025	Omni Control Products Unified Control
R5.2.0	WDT_AR_ R0502000	09/12/2025	Wired and Wireless Remote
R5.2.0	EP_AP_ R0502000	09/12/2025	Expansion Panel
R5.2.0	MPP_PK_0502000	10/23/2025	Omni Main Panel
R5.2.0	OPLMP_AP_R0502000	10/23/2025	OmniPL Main Panel
R5.0.0	PMPConverter_AP_R0500000	09/29/2025	VSP Protocol Converter

Preparing To Upgrade:

- Ensure that the MSP is connected to the network and can be controlled from the mobile app.
- If upgrading from an MSP firmware revision less than 2.0.0: if the date and time is not correct, use config->date/time to set it correctly before upgrading.
- If upgrading from an MSP firmware revision 2.0.0 or later: ensure that the MSP's date and time are set correctly and have the correct time zone selected. Enable "Automatic get date from internet" by switching the button to ON and save by selecting the checkmark.
- Firmware files used for the upgrades should be stored at the top level (root) of the USB drive. Do not store the files in folders and subfolders.
- The preferred USB drive to use is the Sandisk Cruzer. USB drive capacity must be 16GB or less.
- **Always save a backup of the configuration file before beginning the upgrade.**

Post Upgrade:

- If swapping hardware, use the config wizard edit function to map the equipment to the new hardware. Avoid using Factory Reset.
- If upgrading from an MSP firmware revision less than 3.2.0, the system no longer supports multiple pieces of equipment configured to the same relay, valve actuator, or the same pump. They can be installed together but can only have one icon for activation.

Upgrading from USB:

Note this option is available for all MSP firmware versions, but for versions less than R4.8.0, this is the only option available.

1. Install firmware files onto an Omni compatible USB drive and place the drive into your Omni controller's USB port.
2. **Back up your current configuration file by going to "config" > "backup config" > "Backup to USB"**.
3. Place the system in service mode by pressing the power button in the lower left-hand corner and then select <service mode>
4. Read the warning message and then select "Yes".
5. Press the down arrow at the bottom of the first service mode screen and then select "Upgrade".
6. Select <MSP> from the list of devices and press the checkmark.
7. Next press <USB>, then navigate to the applicable file in the table above. Press the checkmark (the same image can be used to upgrade all flavors of controller).
8. Press the checkmark again to begin the upgrade.
9. When the upgrade has finished, press the checkmark and the system will reboot.

Repeat steps 3-9 to upgrade wired or wireless terminal or expansion panel if applicable.

Upgrading Over the Air (OTA) when Upgrade Alarm is Present:
Note this option is only available for MSP firmware versions R4.8.0 and greater.

1. Ensure that the MSP is communicating with the mobile app.
2. Ensure that the time clock and time zone on the MSP are correct.
3. When you see the ***"upgrade available alarm"***, follow the instructions below to complete the upgrade.
    a. Tap on the alarm to display the alarm details.
    b. Tap on the **Upgrade** button.
    c. The system warns you that you are entering Service Mode.
    d. Select the **checkmark** to continue the upgrade.
    e. It will bring you to the list of components that have an upgrade available.
    f. For any/all available upgrade, the new versions will be displayed
    g. Select **Upgrade All** and press the **checkmark** button.
    h. The upgrade will start.
    i. Wait for the upgrade to complete and verify it is successful.
    j. The screen will display "Your system is up to date".
    k. Select the **checkmark** and the system will reboot.

Upgrading Over the Air (OTA) when Upgrade Alarm is not Present:
Note this option is only available for MSP firmware versions R4.8.0 and greater.

1. Enter Service Mode
2. Select **"Upgrade"** and press on **"Upgrade from Internet"**
3. If there is an upgrade available, the new images and new versions will be displayed.
4. Select **"Upgrade All"** and press the **checkmark** button.
5. The upgrade will start.
6. Wait for the upgrade to complete and verify it is successful.
7. The screen will display "Your system is up to date".
8. Use the back arrow to go to the previous screen and select the checkmark. The system will reboot.

Reporting Issues
Please report issues by calling Hayward's Technical Support or emailing hflowtechservices@hayward.com.