

UNICOOL Software Upgrade Instructions (Remote)

UNICOOL line of wall pack units and multi-unit controllers can gain additional functions and improvements by updating the control software and operating system. Updates can be performed locally via USB or through the remote web interface. This document detail the process to upgrade remotely.

Required Equipment

- a) Upgrade Files. Download the latest software from <https://support.airsysnorthamerica.com/>. Search for “ASMUC Software Download”.
- b) PC/Laptop, needed for remote connection to controller.
- c) Remote IP/HTTP connection to all HVAC units and multi-unit controller to be upgraded.
- d) If upgrading webpages: FTP software/connection.

Step 1: Upgrade HVAC units

- a) Download and unzip both the upgrade and HTTP files for both ASMUC and WPU (total of 3 files).
- b) Navigate to the IP address of the HVAC unit (not the multi-unit controller).
 - i. If unsure, navigate to “Controller Interface” tab. Master Controller/HVAC status will be displayed on the main page



Figure 1: Master/HVAC Status

- c) Select “Upgrade” tab on the left.
- d) Click “Choose File” under “C.pCO AP1 Upgrade” and select the previously downloaded AP1 file.

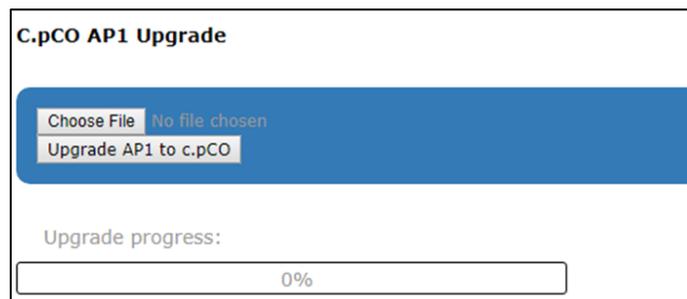


Figure 2: File Selection Screen

- e) Click “Upgrade AP1 to c.pCO”, the upgrade process will start.
- f) Once the upgrade is complete, the status will display “Upload successful”. This may take up to 5 minutes.
- g) Repeat a-e for all HVAC units.

Step 2: Save Controller Settings

The software upgrade procedure will reset all settings to factory defaults. All settings must be manually reconfigured.

- a) Navigate to the IP address of the multi-unit controller.
 - a. If unsure, navigate to “Controller Interface” tab. Master Controller/HVAC status will be displayed on the main page.
- b) Navigate to the “Controller Interface” tab.
- c) Press **Prg** (0) and enter the default password (0004). Press **Enter**.
- d) Press **Up** or **Down** to reach “Control Config” and press **Enter**.
- e) Press **Enter** at “Network”.
- f) Record all network settings (i-iv). Press **Down** to access each individual screen.
 - i. Total # of HVAC and Total # of Zones

```

Network configuration
Net Config:
Total HVACs:      5
Total Zones:     2
En Zone Temp Sensor:
                  Yes
Control Type: Manu.
  
```

- ii. IP address of all connected HVAC units (Press **Enter** and use the **Up** and **Down** buttons to cycle through units. Press **Enter** to display the IP of each unit.)

```

Network View
Network
UnitID:          1
IP address:
View: 192.168.137.15
  
```

- iii. Zone assignment (which units are assigned to which zones).

```

SNetwork configuration
Network Config: 5
Unit#:Zone/ Status
ID 01: 1 / Rotate
ID 02: 1 / Rotate
ID 03: 1 / Rotate
ID 04: 2 / Rotate

```

- iv. Model numbers of connected units

```

SNetwork configuration
HVAC Model Setting
ID01:11V1C3MR410AAC 2
ID02:11V1C3MR410AAC 2

```

- g) (Optional) Write down any other settings, such as temperature setpoint, that you would like to carry over

Step 3: Upgrade Controller (ASMUC)

- a) Select “Upgrade” tab on the left.
- b) Click “Choose File” under “C.pCO AP1 Upgrade” and select the previously downloaded AP1 file.

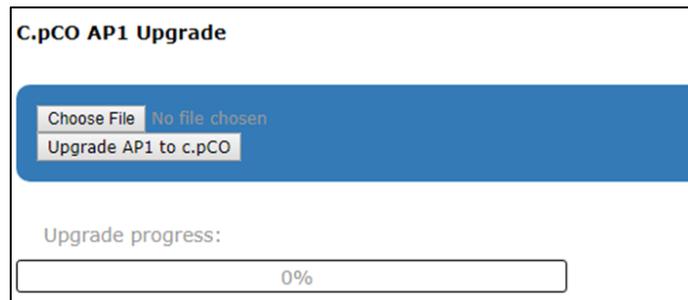


Figure 3: File Selection Screen

- c) Click “Upgrade AP1 to c.pCO”, the upgrade process will start.
- d) Once the upgrade is complete, the status will display “Upload successful”. This may take up to 5 minutes.

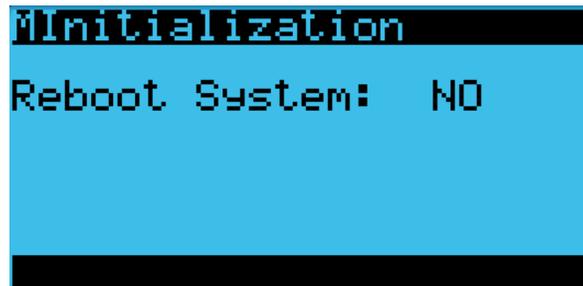
Step 4: Reload Saved Parameters on Controller

- a) Navigate to “Controller Interface” tab.
- b) Press **Up** and **Down** together.
- c) In the “Master/HVAC select” screen, select “Master Controller” and press **Enter**.
- d) Press **Prg** and enter the default password (0004). Press **Enter**.

- e) Press **Up** or **Down** to reach “Control Config” and press **Enter**.
- f) Press **Enter** at “Network”.
- g) Re-enter the saved information:
 - i. Total HVAC and Total Zones.
 - ii. IP address of all connected HVAC units.
 - iii. Zone assignment, which units are assigned to which zones.
 - iv. Model number of connected units.
- h) Re-enter any other settings that have been manually saved.

Step 5: Restore and Verify Controller Operation

- a) Hold **Esc** until the main screen is displayed.
- b) Press **Prg** and enter the password (0004). Press **Enter**
- c) Select System and press **Enter**.
- d) Press **Down** until the cursor is over “Initialization” and press **Enter**.
- e) Press **Down** until screen shows “Reboot System” .



- f) Press **Down** until a info icon (i) is displayed in the bottom right corner and press **Enter**.
- g) If the controller has re-established communication with the units, **ON** or **OFF** status should be displayed for every unit.

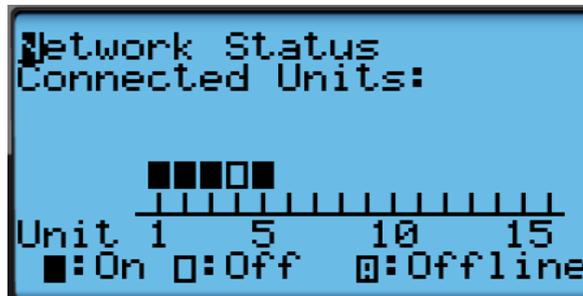


Figure 4: Network Status

Step 6: (Optional) Update HTTP files

Note: Updated webpages may change the look of the HTML page and may include more information not previously available. Updating will not affect system operation.

- a) Use a built-in FTP client or an FTP application such as FileZilla (recommended open source client) to establish connection to the IP of the controller.

- i. Depending on network conditions and how many connection the controller has, the Time Out setting may need to be adjusted to 40 seconds or more. To change timeout in Filezilla, go to Edit->Setting->Connection.
 - ii. Leave Username and password blank. Use port 21 if prompted.
- b) Replace/overwrite the HTTP folder located in "HTTP for ASMUC" with the new HTTP folder included in the update file. The transfer may take up to 10 minutes.
- c) Disconnect FTP server. You may need to clear browser cache for webpage to display correct new version.
- d) Repeat steps a-c using the IP address for each WPU until all WPUs have been updated. Use the HTTP folder located in "HTTP for WPU" when updated the webpages for WPU.