



APPLICATION NOTES

VIEWS HOST

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Installing and running the Views Host software is an essential step in providing the end-user with access to the custom *Web Views* and pre-designed *App Views* of an ArmoníaPlus Install Project. The Views Host application installs a Windows Service called '*PowersoftViewsHostService*' which runs automatically at Windows startup. The Windows Service needs to be installed and operates on a Personal Computer (PC) that resides on the same network subnet as the Powersoft system.

Views Host software contains the control engine required for the deployment of *Web Views* or *App Views* control. *Web Views* can be accessed with any web-browser and *App Views* control can operate on a mobile device (Android or iOS) using the Powersoft app SYS CONTROL. Within this document we will discuss the necessary steps for the successful installation of Views Host.

Installing Views Host

To install the Views Host software, click the following link: [ArmoníaPlus](#) and scroll to the "ArmoníaPlus downloads" section of this web page. Within this section one will find Views Host software available (Figure 1). Click on the link and follow the installer's prompts.

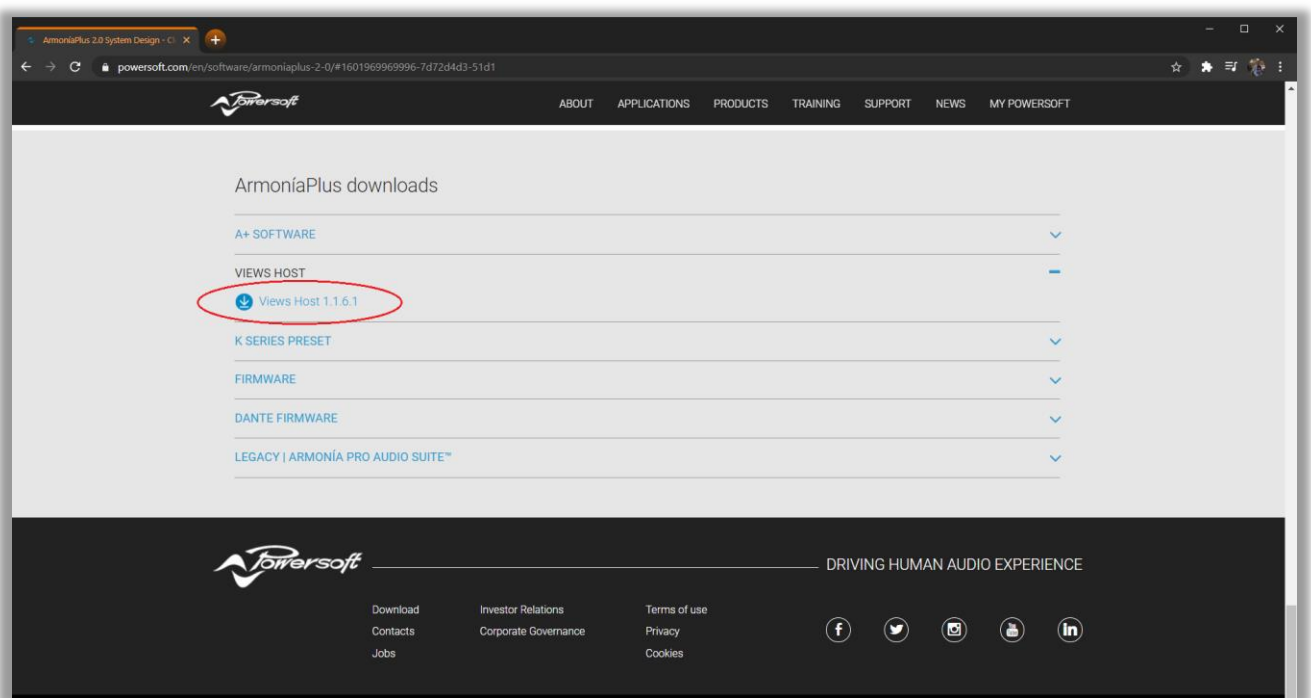


Figure 1- Views Host Download Link

IMPORTANT NOTE:

If the integrator chooses only passive controls such as the Powersoft WMP LEVEL and WMP SELECT in the ArmoníaPlus install project, there is no need to install Views Host software. Views Host software is only needed if the integrator plans to run *Web Views* and/or *App Views*.



OS and Network Operation for Views Host

The Views Host can be installed onto a computer utilizing a Windows 10 x64 Operating System (OS). The system requirements are minimal. The computer should have at least 2GB of RAM and 100MB of drive memory available. Once installed the application can be found running in the Window's Task Manager on the *Details* Tab as *ViewsHost.exe* and *ViewsHostService.exe* (Figure 2).

When the project is complete, the integrator can remove their computer from the system and leave the management of *Web Views* and *App Views* to the remaining permanent Views Host PC on the network (Figure 3). This allows the end user to have access to *Web Views* and *App Views* for control, but not the entire ArmoníaPlus configuration file. The Views Host can also be seen within the ArmoníaPlus project file (Figure 4).



 ViewsHost.exe	5720	Running	SYSTEM	00	21,624 K	Not allowed
 ViewsHostService.exe	4788	Running	SYSTEM	00	2,012 K	Not allowed

Figure 2- Views Host Running in Windows Task Manager

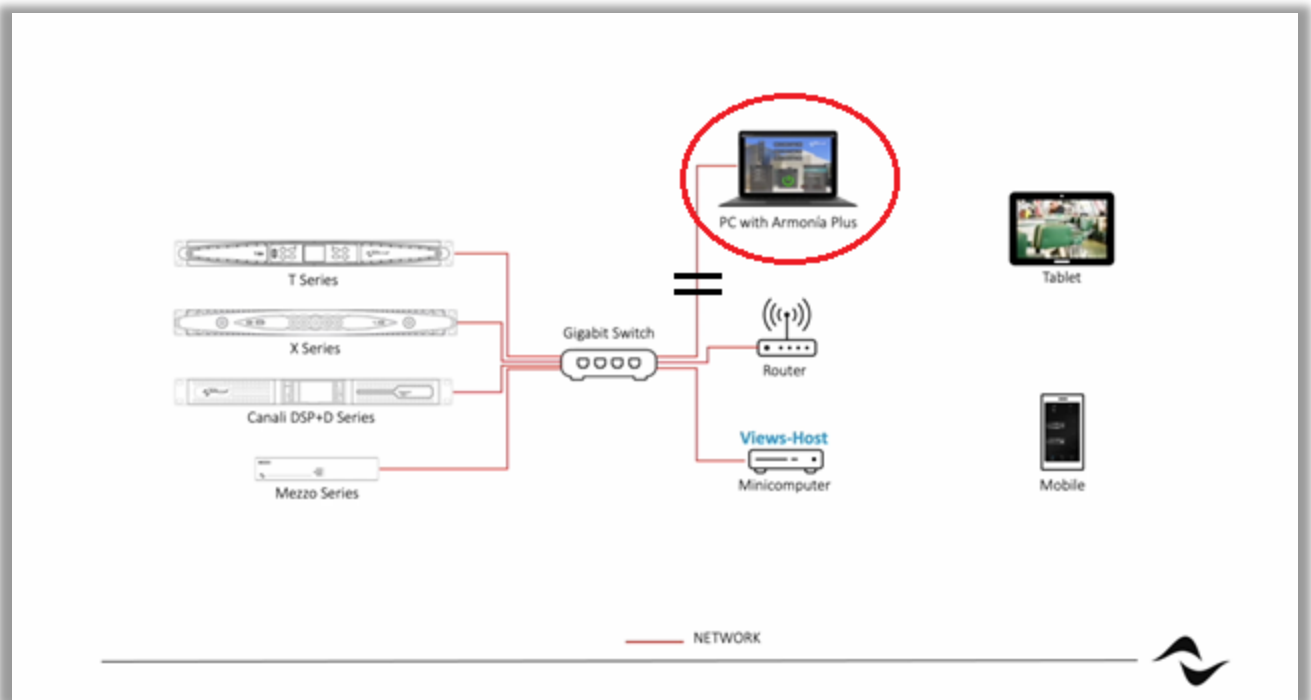


Figure 3- Views Host Network Example



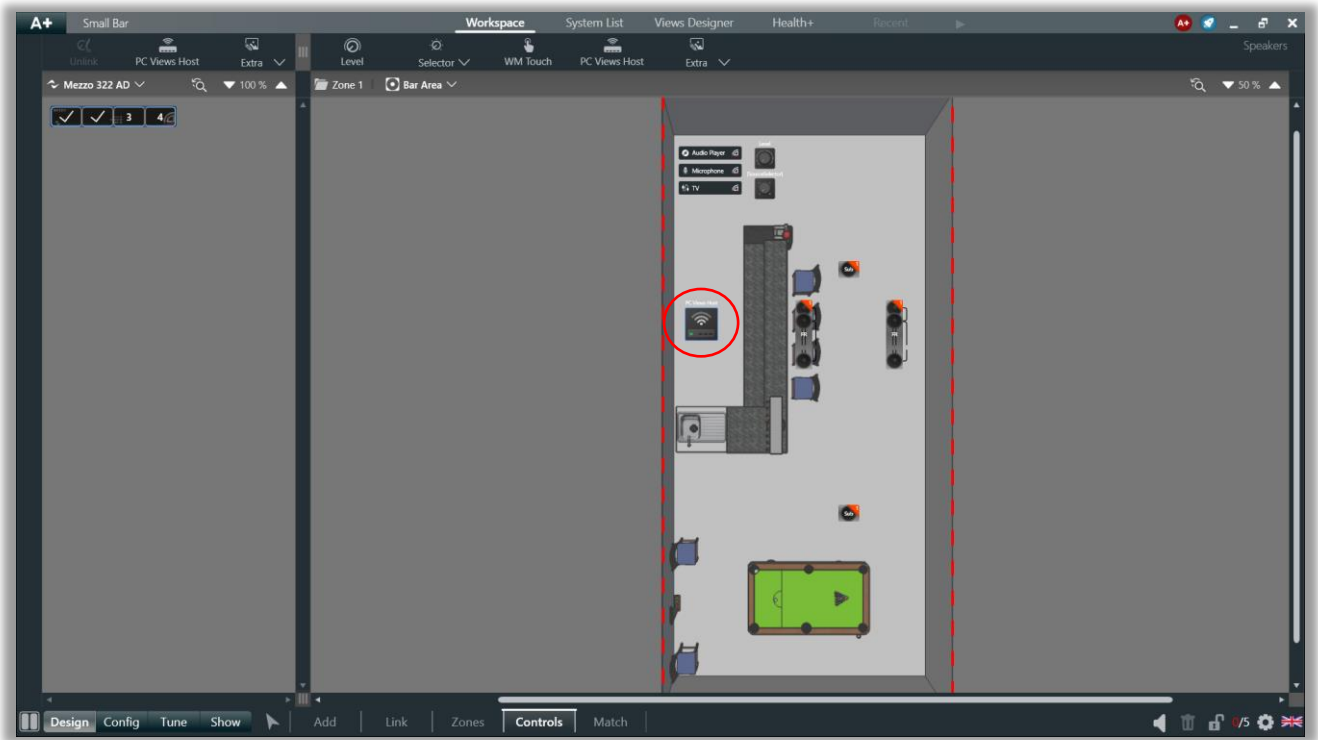


Figure 4- Views Host in a ArmoníaPlus Project

IMPORTANT NOTE: If there are multiple Windows-based computers operating the Views Host on the same network, the PC which has received or has been assigned the lowest numbered IP Address will be given control of the system unless defined within ArmoníaPlus. PC Views Host uses port 80 so make sure you do not have other software/services (i.e. IIS) that use that port or Powersoft PC Views Host will be discovered and will not work

WM Touch

When installing the WM Touch within a project it is important to note that the Views Host is already integrated within the device and no external computer is required to run Views Host (Figure 5). The user may also control the system using the *Control Sys App* or *Web Views* created in ArmoníaPlus. This is possible because the WM Touch is also an active Views Host device (Figure 6). A wireless router connected to the same network subnet as the WM Touch is required (Figure 7).



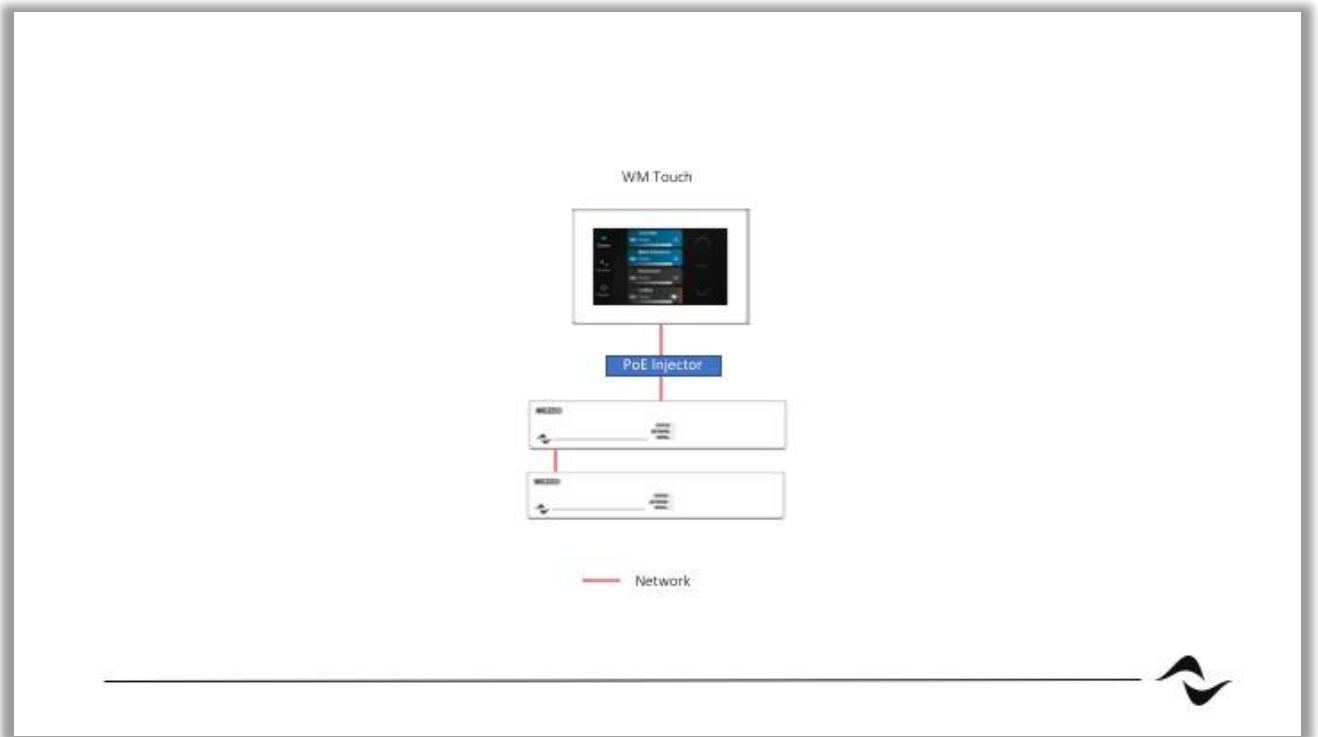


Figure 5- WM Touch Views Host Example

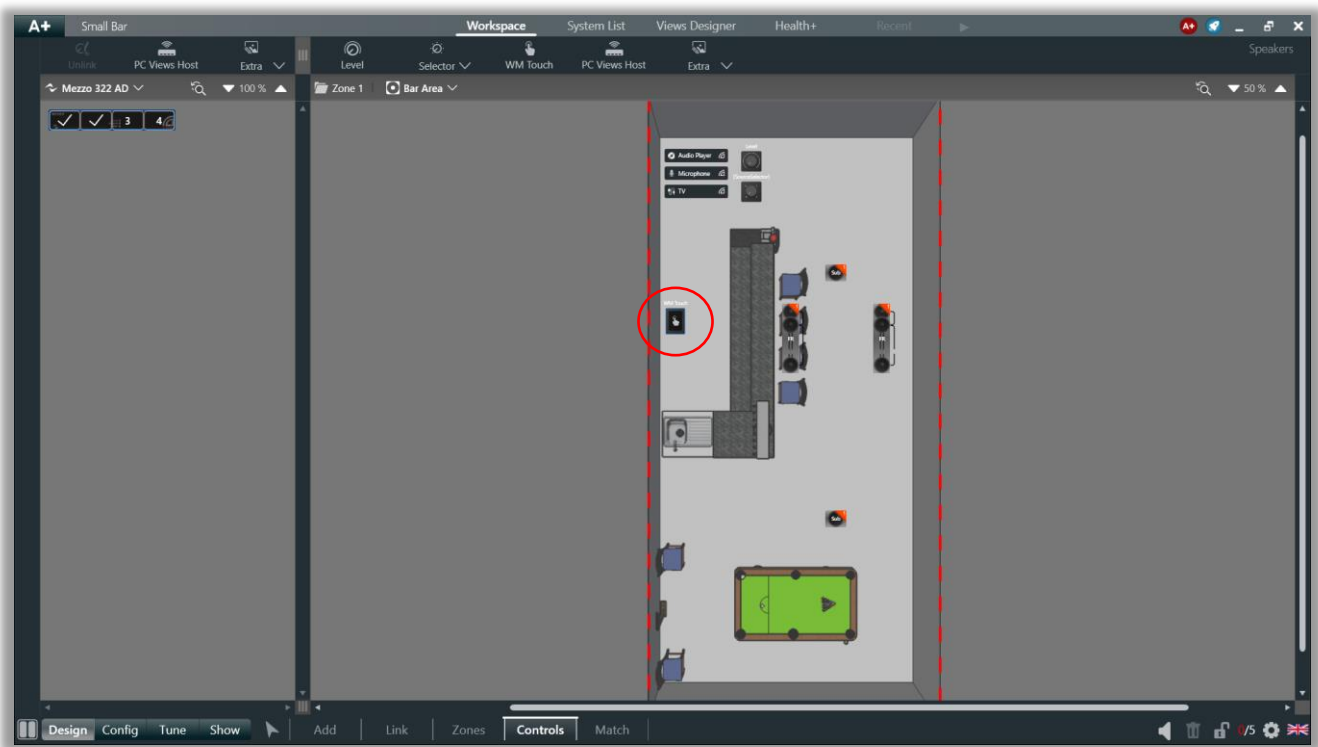


Figure 6- WM Touch in a ArmoníaPlus Project.



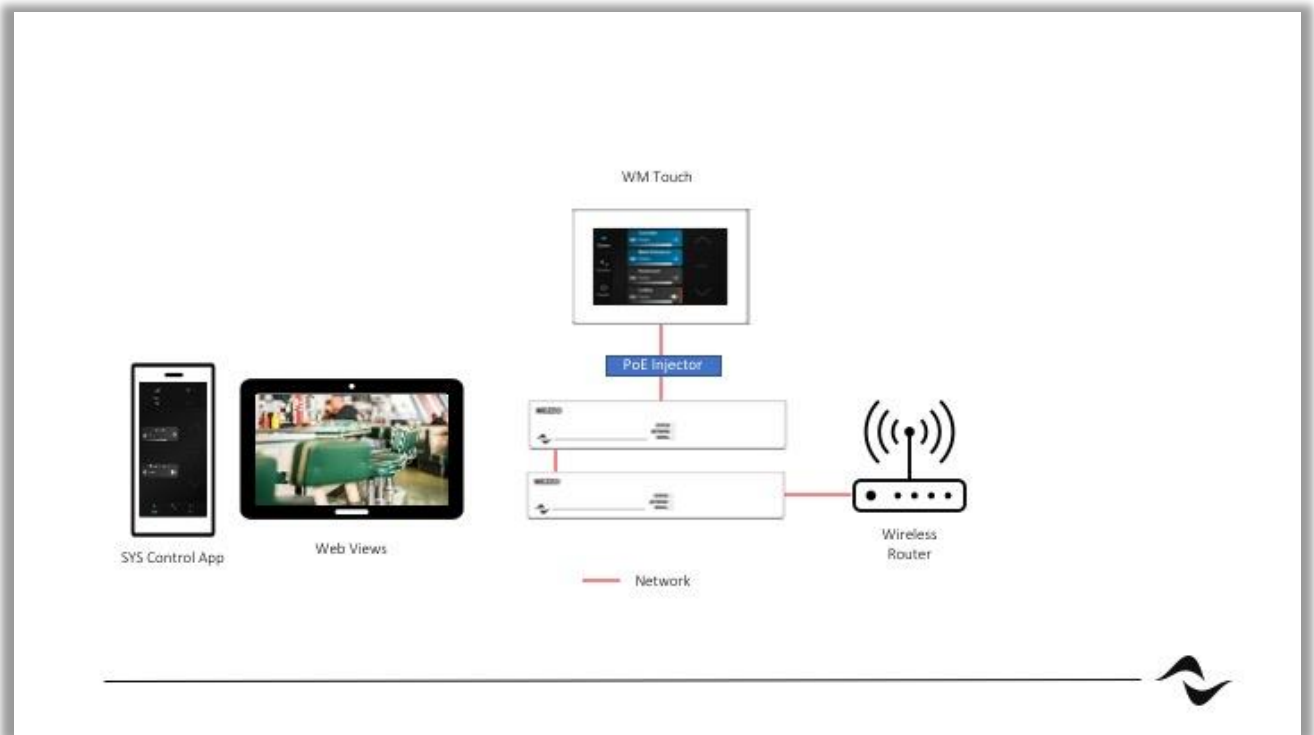


Figure 7- WM Touch Views Host with Sys Control App and Web Views Example

Discovery and Synchronization

After completing your design within ArmoníaPlus, select *Design > Match > Discovery*, found in the *Workspace* and turn on *Synchronization* (Figure 8). Match the corresponding amplifiers within the tray to the virtual amplifiers in the *Workspace*. For *Synchronization* to complete leave the *Match* tab. The *Desynchronization Window* (Read/Send Dialogue) will appear once leaving the *Match* tab and select *Send* (Figure 9). When *Synchronization* is complete the amplifier will appear online within the *Workspace*.



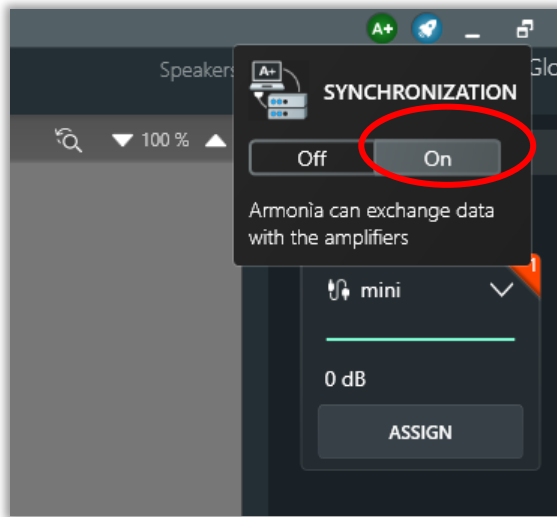


Figure 8- Discovery and Synchronization

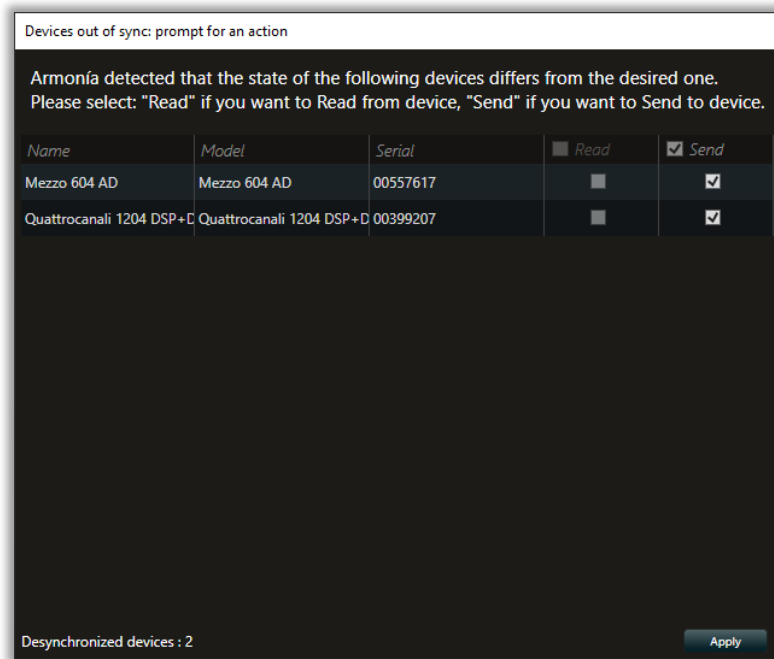


Figure 9 - Desynchronization Window



Running Controls and Views

Once the user has completed designing the necessary *Web Views*, *App Views* and/or configuring the *WM Touch*. The system is ready to be launched (Figure 10). In the upper right corner of ArmoníaPlus, click on the rocket to open the *Controls & Views* Tab. After selecting *Run*, if not saved, ArmoníaPlus will present a window prompting the user to save the project file (Figure 11). Once the initialization of the *Controls & Views* begins, the user will notice the *HealthPlus* Tab illuminating red and showing an alarm status (Figure 12). This is an expected operation and will clear once *Controls & Views* are running.

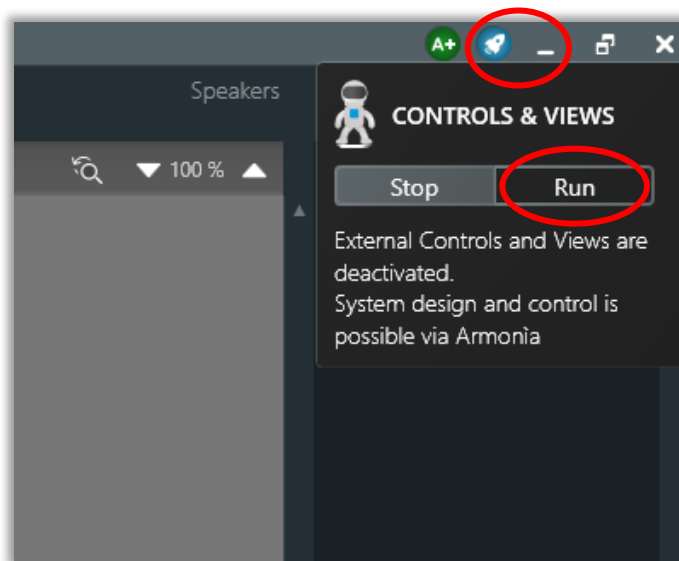


Figure 10 - Running Controls and Views

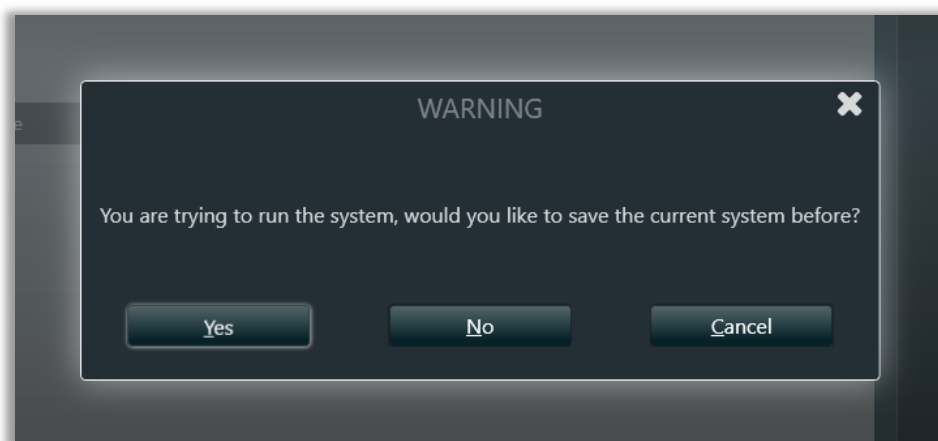


Figure 11 - Prompt to Save File Before Running



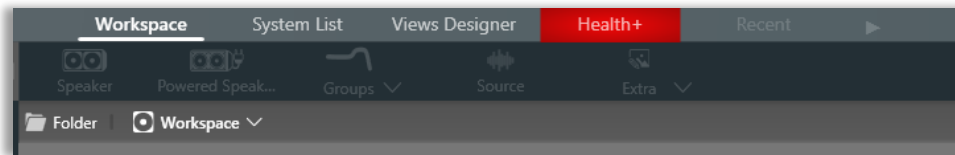


Figure 12 - HealthPlus Briefly Illuminates Red when Controls and Views begin to Run

Accessing the View Host Device

Once the *Control Views* are tested the user can close ArmoníaPlus. Using the IP Address given by the '*View host device*' (Figure 13). Any PC or mobile device connected to the network can now access and control the available *Web Views* and *App Views* (Figure 14).

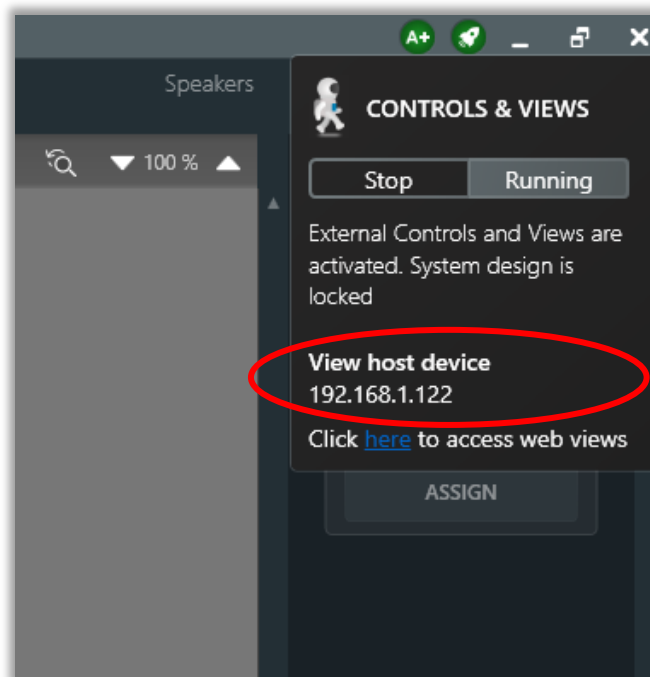


Figure 13 - Views Host IP Address



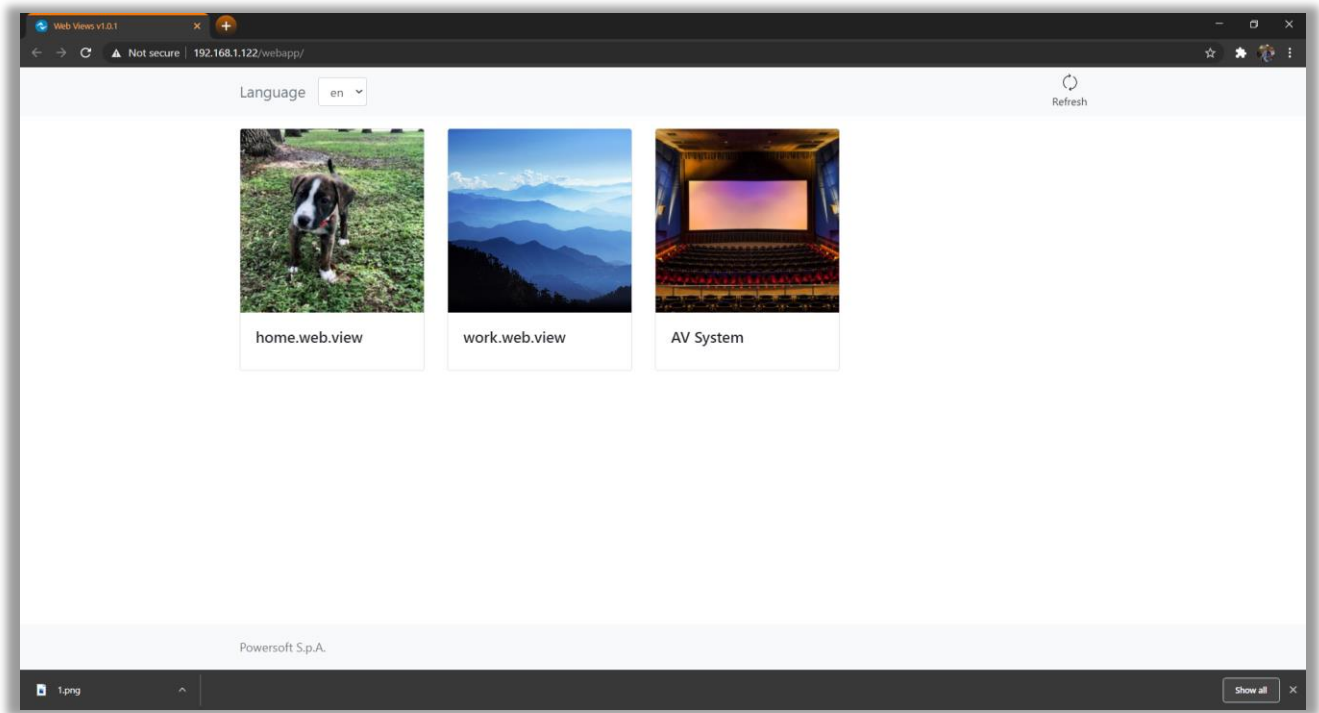


Figure 14- Views Host Device Web Views

Additional Notes

The IP address provided under 'View host device' in Figure 11 above is the IP Address of the computer which is currently managing the control of the *Web Views*. Views Host software needs to be installed on a computer that's permanent to the same network subnet as the Powersoft system for the *Views* to be accessible. This is not necessary if using the WM Touch because the Views Host lives on the device.

If we use the example created in Figure 13 above, 'View host device' tells us that the IP Address to access the *Web Views* is at IP Address: 192.168.1.122. If the user were to deploy a WM Touch as the 'View host device' they simply would use the IP Address of the WM Touch to access any *Web Views* or *App Views*.



Document Title: VIEWS HOST
Reference: DO000284.00 REV.01

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