

Application Note

Dell PowerConnect 5400 Series Instructions for Video Switching:

This document will details the command syntax for setting up and changing vlans on the Dell 5400 series managed switch.

Here is a summary of the important commands needed for operating the Just Add Power HD over IP system (all commands are followed by a carriage return):

Put switch into executive command mode from the ">" prompt:

```
enable
```

You may be asked to enter the enable password. If there is not one (default), just hit return, otherwise enter the password.

Now we want the switch to stay in this mode permanently so we enter:

```
config  
line console  
exec-timeout 0  
exit  
exit
```

To create your VLANs (here we are creating 8 vlans numbered 2 through 9 - vlan 1 is the default control VLAN):

```
config  
vlan database  
vlan 2-9  
exit  
exit
```

Now, to switch between VLANs we use:

```
config  
interface ethernet gx - where "x" is the number of the physical port on the switch you want to address  
switchport access vlan y - where "y" is the vlan number you wish to connect to.  
exit  
exit
```

In this example, we'll start our sources out on port 24 and work backwards, we would do:

```
config  
interface ethernet g24  
switchport access vlan 2
```

```
interface ethernet g23  
switchport access vlan 3
```

.

```
.  
.
interface ethernet g16
switchport access vlan 9
```

```
exit
exit
```

Now for our screens, we start out on screen 1 is on port 1, screen 2 on port 2, etc. To put screen 1 on source 1, we would type

```
config
interface ethernet g1
switchport access vlan 2
```

```
exit
exit
```

Finally, we need to save our initial settings to flash. To do this, we type:

```
copy running-config startup-config
```

Enter Y or y when asked to verify the save.

In general usage then for changing screens, it's simply:

```
config
interface ethernet gx
switchport access vlan y
exit
exit
```

For simpler setup of the VLANs, Sources and Screens, Just Add Software and Just Add Power recommend using Just Add Software's applications InstallerPro™ and/or MediaSwitcher™. Please contact Just Add Software at support@justaddsoftware.net for more information.