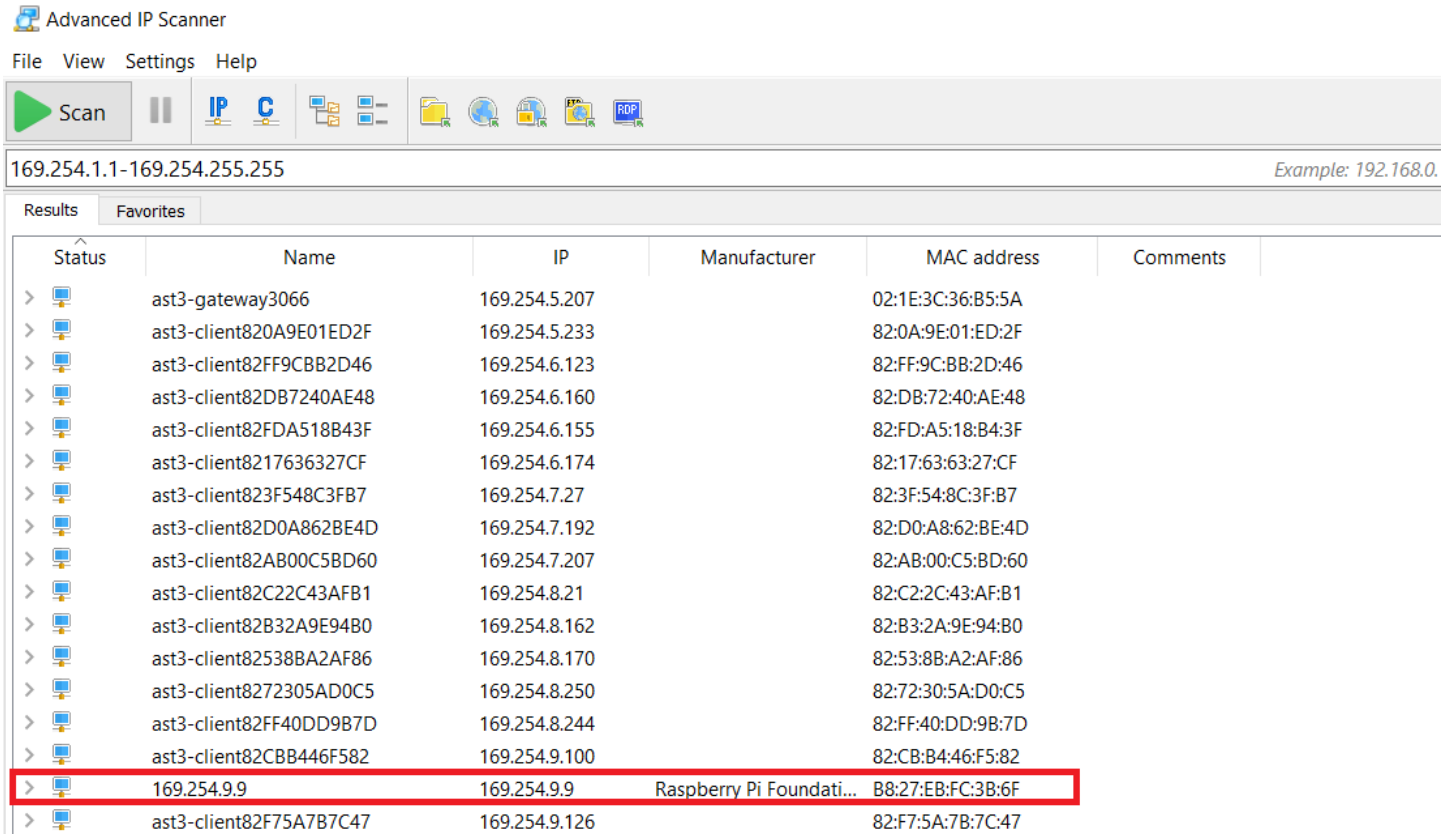
Setting a Static IP address for Transmitters and Receivers

Below is the procedure on how provide additional stability to EVOIP transmitters and receivers when you are encountering multicast issues or when devices seem to randomly appear offline. Out of the box, each EVOIPCTL1 control box has a 169.254.x.x IP address. An additional IP address is often provided either DHCP from the network or a static IP address is manually provided. All transmitters communicate solely with the control box using the 169.254.x.x format, so the procedure below is based on maintaining this format and essentially taking the IP address automatically assigned by the control box and making is static.

If you have any further questions, please reach out to tech support at techsupport@vanco1.com or call 800-626-6445.

1. Find the 169.254.x.x IP address of the control box if it has been changed manually of via DHCP by the network. This can be done using a software like Advanced IP Scanner as shown below. While this is not entirely necessary, this does make the process faster in regards to making changes and confirming when a device is back online. Otherwise, you will have to continuously change the IPv4 setting of your computer to reach devices within the network.



Status	Name	IP	Manufacturer	MAC address	Comments
	ast3-gateway3066	169.254.5.207		02:1E:3C:36:B5:5A	
	ast3-client820A9E01ED2F	169.254.5.233		82:0A:9E:01:ED:2F	
	ast3-client82FF9CBB2D46	169.254.6.123		82:FF:9C:BB:2D:46	
	ast3-client82DB7240AE48	169.254.6.160		82:DB:72:40:AE:48	
	ast3-client82FDA518B43F	169.254.6.155		82:FD:A5:18:B4:3F	
	ast3-client8217636327CF	169.254.6.174		82:17:63:63:27:CF	
	ast3-client823F548C3FB7	169.254.7.27		82:3F:54:8C:3F:B7	
	ast3-client82D0A862BE4D	169.254.7.192		82:D0:A8:62:BE:4D	
	ast3-client82AB00C5BD60	169.254.7.207		82:AB:00:C5:BD:60	
	ast3-client82C22C43AFB1	169.254.8.21		82:C2:2C:43:AF:B1	
	ast3-client82B32A9E94B0	169.254.8.162		82:B3:2A:9E:94:B0	
	ast3-client82538BA2AF86	169.254.8.170		82:53:8B:A2:AF:86	
	ast3-client8272305AD0C5	169.254.8.250		82:72:30:5A:D0:C5	
	ast3-client82FF40DD9B7D	169.254.8.244		82:FF:40:DD:9B:7D	
	ast3-client82CBB446F582	169.254.9.100		82:CB:B4:46:F5:82	
	169.254.9.9	169.254.9.9	Raspberry Pi Foundati...	B8:27:EB:FC:3B:6F	
	ast3-client82F75A7B7C47	169.254.9.126		82:F7:5A:7B:7C:47	

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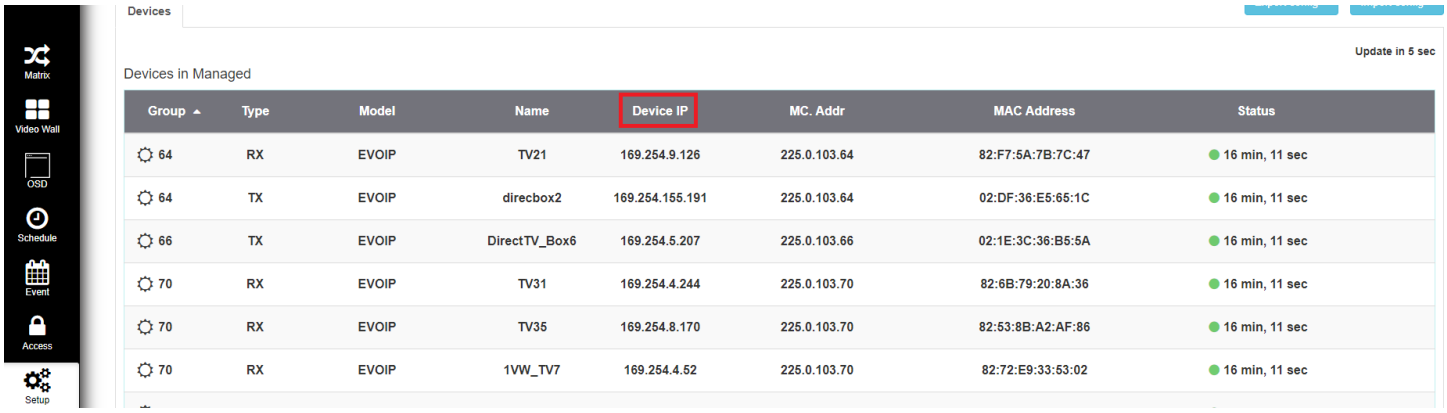
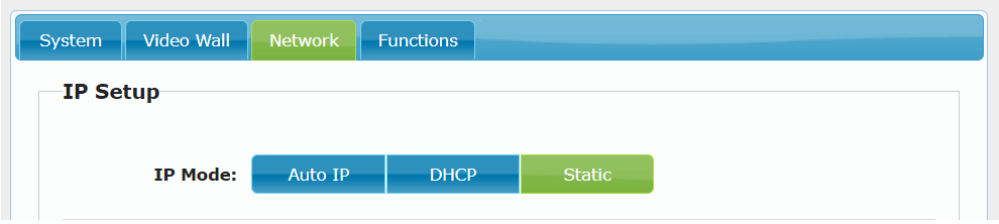
2. Type in the IP address for the control box and enter your login information (admin/admin by default). Select the **SETUP** icon and you will see all of your EVOIP transmitters and receivers online. Locate the column that says **DEVICE IP**. This is where you locate the IP address of each EVOIP unit.

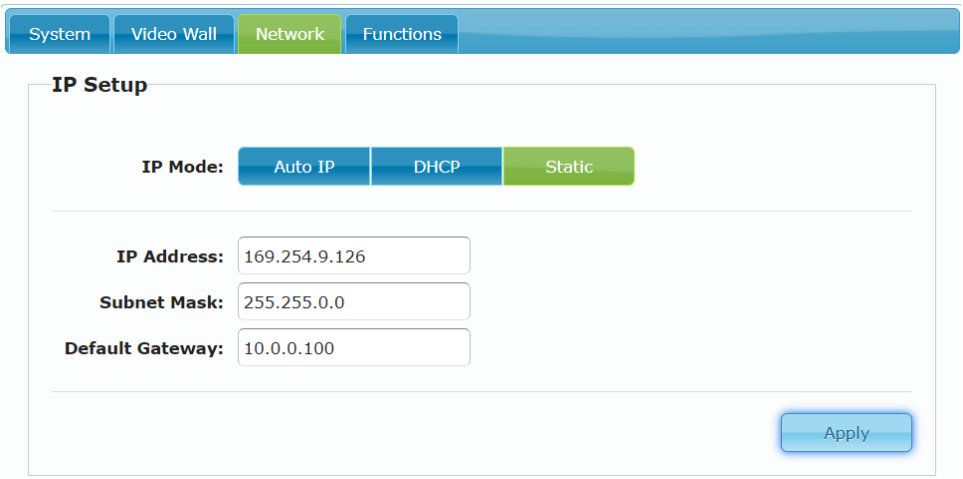


Group	Type	Model	Name	Device IP	MC. Addr	MAC Address	Status
64	RX	EVOIP	TV21	169.254.9.126	225.0.103.64	82:F7:5A:7B:7C:47	16 min, 11 sec
64	TX	EVOIP	direcbox2	169.254.155.191	225.0.103.64	02:DF:36:E5:65:1C	16 min, 11 sec
66	TX	EVOIP	DirectTV_Box6	169.254.5.207	225.0.103.66	02:1E:3C:36:B5:5A	16 min, 11 sec
70	RX	EVOIP	TV31	169.254.4.244	225.0.103.70	82:6B:79:20:8A:36	16 min, 11 sec
70	RX	EVOIP	TV35	169.254.8.170	225.0.103.70	82:53:8B:A2:AF:86	16 min, 11 sec
70	RX	EVOIP	1VW_TV7	169.254.4.52	225.0.103.70	82:72:E9:33:53:02	16 min, 11 sec

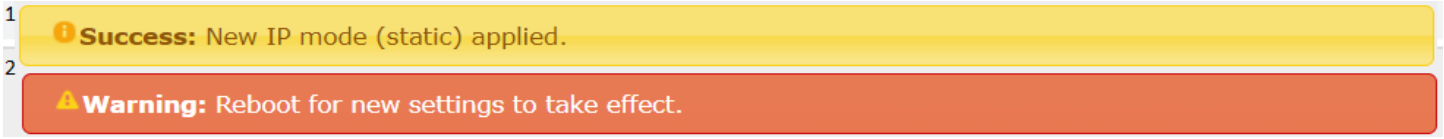
3. Type in the IP address of the device you would like to make static into your browser and select the **Network** tab.



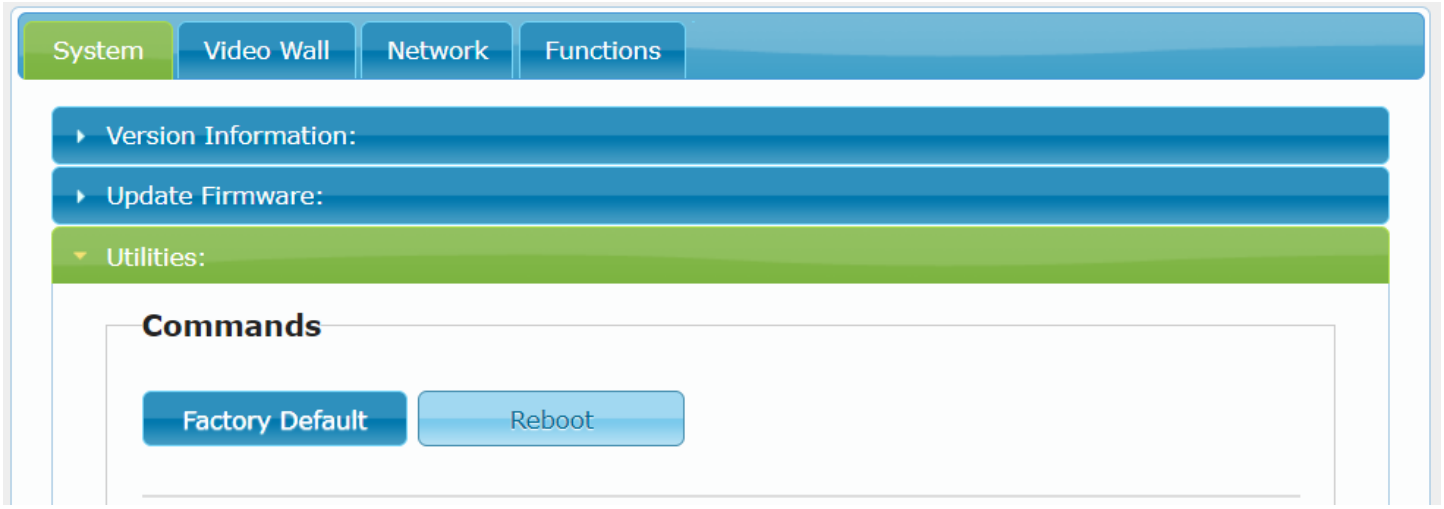
4. By default the units are set to Auto IP. Select **Static** and enter the network information. To allow for a faster setup, we recommend using the IP address that was provided and typed into the browser. Ensure the subnet is set to 255.255.0.0, and the gateway is set to the same setting found within the control box settings. In the case below this would be 10.0.0.100. Once this has been done, click **Apply**.



5. After a few moments, you will receive confirmation that the changes has been applied. After a few more moments, you will receive a message stating to reboot the unit.



6. Once you receive the message to reboot, go to **System**, then **Utilities**, and select **Reboot**. After about 20-30 seconds the device will be back online.



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