

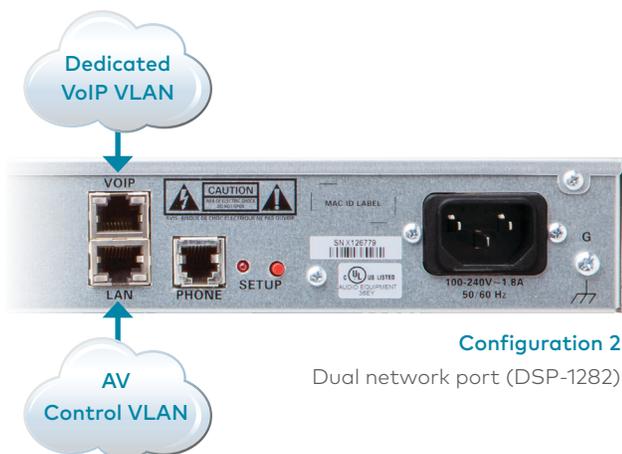
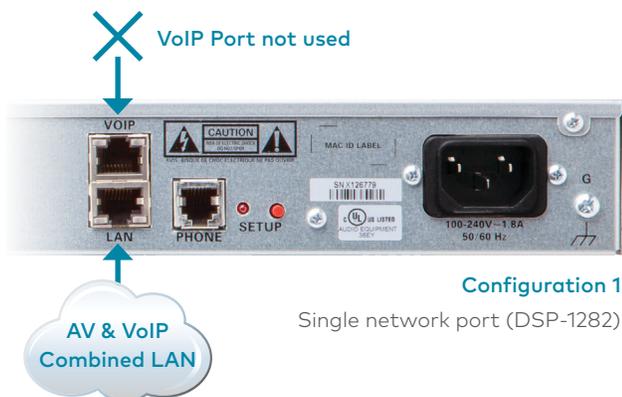
# Port Configuring for SIP Calls

Applies to DSP-1282 and DSP-1283

Avia™ DSP Help Guide

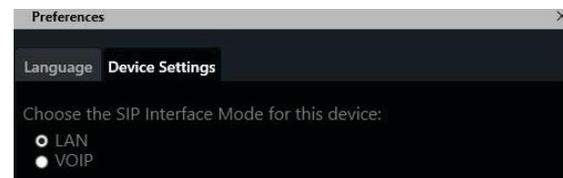
Crestron Electronics, Inc.

DSP-1282 and DSP-1283 units with AEC have separate network interfaces for VoIP and LAN on the rear panel. Either one can be configured to handle SIP network traffic. The default configuration binds SIP data to the LAN interface, mixing it with Crestron control data. Optionally, you may choose to bind the SIP data to the VoIP network port with the following ToolBox console commands. If the VoIP port is to be used, it must reside on a separate VLAN from the DSP's LAN port. The two ports cannot connect to the same network.



Using the VoIP port and a separate VLAN offers several advantages when deploying in larger enterprise environments. This assists the administrators with debugging, traffic management and QoS reliability. It is also beneficial to have the VLAN deterministic IP addresses to minimize firewall configuration issues.

**NOTE:** SIP binding to the VoIP port is also available in the Avia software tool by selecting **Edit > Preferences > Device Settings**.



Starting with Avia DSP Firmware version 1.00.116 these console commands are enabled.

## Step 1 – Enable VoIP port

**DSP-1282 > ethernet ?**

**ETHERNET [<device\_num> ON | OFF [/now]]**

**DSP-1282 > ethernet 1 on**

**ON** - enables VoIP

**OFF** - disables VoIP

**/now** - take effect without a reboot

**No parameter** - displays current setting

The **"ethernet"** command is used to turn the VoIP port on/off. The VoIP port is off by default.

**<device\_num> = 0** is the LAN port

**<device\_num> = 1** is the VoIP port

Only the VoIP port is selectable on/off

## Step 2 – Direct SIP traffic to the VoIP port

DSP-1282>sipinterface ?

### Get or Set SIP Interface

SIPINTERFACE [LAN | VOIP]

LAN - normal LAN port

VOIP - VOIP port

No Parameter - Displays current setting

The "sipinterface" command is used to bind all SIP activity, data and traffic to the selected port. If a VLAN or exclusive VoIP network is available, binding to the VoIP port is recommended.

**NOTE:** Do not connect the LAN and VoIP ports to the same DHCP server. Because the LAN and VoIP ports share a NIC, only one port will receive an address when both are connected the same DHCP server.

## Step 3 – Verify settings

DSP-1282>ethernet

Ethernet 0 (eth0): On

Ethernet 1 (eth1): On

DSP-1282>sipinterface

SIP Interface : VOIP

DSP-1282>ipconfig

Ethernet Adapter [eth0]:

Link Status : OK

DHCP : ON

MAC Address : 00.10.7f.12.34.56

IP Address : 10.66.32.39

Subnet Mask : 255.255.248.0

IPV6 Address :

Default Gateway : 10.66.32.1

DNS Servers : 10.65.5.1 | DHCP |  
192.168.200.100 | DHCP |

LAN Port

Ethernet Adapter [eth1]:

Link Status : OK

DHCP : ON

MAC Address : 00.10.7f.12.34.57

IP Address : 172.15.62.70

Subnet Mask : 255.255.252.0

IPV6 Address :

Default Gateway : 172.15.62.1

DNS Servers : 10.65.5.1 | DHCP |  
192.168.200.100 | DHCP |

VoIP Port

### Set the VoIP Port Address Using the Text Console

DHCP\_1\_OFF - Turns off DHCP

IPA\_1\_0.0.0.0 - sets IP address

IPM\_1\_0.0.0.0 - sets subnet mask

DEFROUTER\_1\_0.0.0.0 - sets router address

Reboot to accept these settings

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