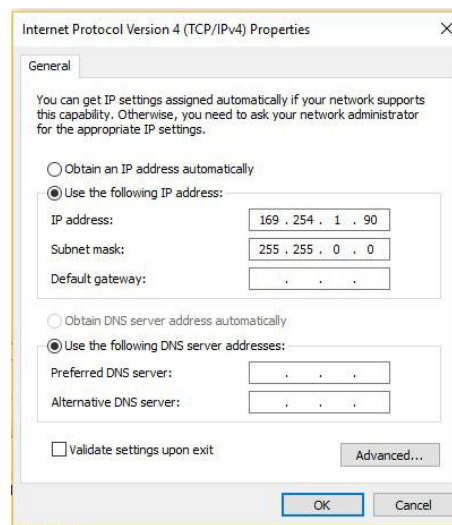


## Settings to Program for Version Changes

### Set a Static IP Address on Your Windows 10 Computer

To access the web interface, your computer must be in the same subnet range as the station. There is a video about this on the config file download site you were just on.

1. Click **Start**, and type **Control** in the search field, then select **Control Panel**.
2. Click on **Network and Internet**.
3. Click on **Network and Sharing Center**.
4. On the left pane, click the **Change adapter settings** link.
5. Right-click on your computer's Ethernet network adapter and select **Properties**.
6. Select the **Internet Protocol Version 4 (TCP/IPv4)** option.
7. Click the **Properties** button.
8. Select the **Use the following IP address** option.
9. Set the **IP address** (e.g., **169.254.1.90**).
10. Set the **Subnet mask**. (e.g., **255.255.0.0**).
11. Click **OK**.
12. Click **Close** again to close the network adapter properties.



### Connect the PC, Phone, POE Switch, and TCIS-2

1. Plug the PC into the same Ethernet POE switch as everything else.
2. Use a Firefox or Microsoft Edge browser to log in to the Scale 1 intercom using this IP address: 169.254.1.100
3. Click Login and enter the default User name: **admin**
4. Enter the default Password: **alphaadmin**

**For older versions of firmware:**

### Put the Unit in Advanced Programming Mode

1. Click on the Check Box in the upper right side of the admin panel that says "Advanced Configuration"
2. Put a checkmark in the box and click **Save** and **Apply**.

1. To Program Scale 1 Edge Controller: Select **Main > Main Settings**

Main Edge Configuration Station Administration Edge Controller Advanced Network Advanced Configuration

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### Mode

Select preferred mode for your device. If your system is Edge, please log on to the device you will use as the Edge Controller. You can do all configuration of your devices from the Edge Controller.

ICX-AlphaCom  
 SIP  
 Edge  
 Edge Controller

### IP Settings

DHCP  Static IP

IP Address:	169	- 254	- 1	- 100
Subnet Mask:	255	- 255	- 0	- 0
Gateway:	169	- 254	- 1	- 1
DNS Server 1:	0	- 0	- 0	- 0
DNS Server 2:	0	- 0	- 0	- 0
Hostname:	zenitel285f94			
Disable Reset to Factory default settings using frontboard and I/O:	<input type="checkbox"/>			
Read IP Address: <i>i</i>	<input checked="" type="checkbox"/>			
Ethernet Speed 10 Mbit/s: <i>i</i>	<input type="checkbox"/>			

SAVE

After changing the screen settings to the above, click on SAVE.

2. Select Edge Controller > System Configuration > Directory

Main Edge Configuration Station Administration Edge Controller Advanced Network Advanced Configuration

System Overview  
System Configuration  
Directory  
IP Telephony Service  
Mobile App  
Call and Audio  
Direct Access Keys  
Special Settings  
System Time  
Credentials  
Device Profiles  
Group Calls  
Software Upgrade  
Licensing

### Directory

Auto Discovered Devices REFRESH

Number	Name	SIP Password	Profile	DHCP / Static IP	Read IP Address	Play Tone
300	Scale 1		Operator	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Total 1 devices discovered in the system.

Manually Added Devices +

Number	Name	SIP Password	Profile	Type
301	Scale House 1		Operator	3rd party SIP Terminal
302	Scale 2		Operator	Zenitel Device
303	Scale House 2		Operator	3rd party SIP Terminal
304	Scale 3		Operator	Zenitel Device
305	Scale House 3		Operator	3rd party SIP Terminal
306	Scale 4		Operator	Zenitel Device

Total 6 devices manually added to the system.

Linked Edge Controllers +

Number Start	Number Stop	Name	Profile	Host	Port
Total 0 linked Edge Controllers.					

SAVE

Use the IP and Directory numbers in the chart below for the Number field.

**Directory numbers and IP Addresses:**

Directory Number	Name	IP Address
300	Scale 1	169.254.1.100
301	Scale House 1	169.254.1.101
302	Scale 2	169.254.1.102
303	Scale House 2	169.254.1.103
304	Scale 3	169.254.1.104
305	Scale House 3	169.254.1.105
306	Scale 4	169.254.1.106
307	Scale House 4	169.254.1.107
308	Scale 5	169.254.1.108
309	Scale House 5	169.254.1.109
310	Scale 6	169.254.1.110
311	Scale House 6	169.254.1.111

**3. Select Edge Controller > System Configuration > Direct Access Keys**

The screenshot shows the 'Direct Access Keys' configuration page. It features a navigation menu on the left with options like 'System Overview', 'System Configuration', 'Device Profiles', 'Group Calls', 'Software Upgrade', and 'Licensing'. The main content area is titled 'Direct Access Keys' and contains three 'Ringlist' sections (Ringlist 1, Ringlist 2, and Ringlist 3). Each ringlist has a 'Ringlist 1' header and a series of input fields for phone numbers, each with a checkbox. Below the ringlists is a 'Buttons and Inputs' section with a table for configuring buttons and inputs. The table has columns for 'Number', 'Name', and 'Buttons and Inputs'. The first row shows '300' for 'Scale 1' with a 'Show/Hide Settings' button. Below the table are configuration options for 'Button 1' and 'Input 1', including 'Idle', 'Call', and 'Hold' actions, and dropdown menus for ringlists.

Enter the phone numbers to be called in the Ringlists under Ringlist 1 when the button is pressed, or when Input 1 is triggered (ie. Optical sensor) then click the SAVE button. Click on Show/Hide Settings to expand Button Settings. Make sure Button 1 is set to call Ringlist 1. If you want the button on the outside intercom to be able to hang up a call, set Call to “End Call” “On Key Press” as shown. Also make sure Input 1 is set to Ringlist 1 so if you connect an optical sensor it will place a call when triggered.

**4. Select Edge Configuration > Account/Call**

Make sure your settings are as shown above and then click the SAVE button.

## 5. Select Edge Configuration > Audio

Main
Edge Configuration
Station Administration
Edge Controller
Advanced Network

Advanced Configuration

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- ▶ Account / Call
- ▼ Audio Settings
- ▶ Direct Access Keys
- ▶ Relays / Outputs
- ▶ Time
- ▶ I/O
- ▶ Video
- ▶ Advanced Video
- ▶ Script Upload
- ▶ Script Configuration
- ▶ Script Events
- ▶ Audio Messages
- ▶ Multicast Paging
- ▶ Certificates

### Audio Settings

Audio Outputs

Audio Output Terminal	Gain / Override Gain	Description
Internal Loudspeaker	-5 / 13 dB	Audio Output Terminal for the Loudspeaker mounted in the device Gain range: -10 dB .. 13 dB Override Gain range: -10 dB .. 23 dB
Line Out	0 / 0 dB Main Audio Line	0 dB config, peak signal level is 1 vrms. The nominal voice audio level is 0.7 vrms. Gain range: -20 dB .. 20 dB Override Gain range: -20 dB .. 21 dB

Audio Inputs

Audio Input Terminal	Gain	Description
Internal Microphone	-5 dB Digital Mic	Audio Input Terminal for the Internal Microphone Gain range: -10 dB .. 10 dB

Audio signal processing

**AEC (Acoustic Echo Cancellation) (enabled)**

Config element	Value	Description
Enable AEC	<input checked="" type="checkbox"/>	AEC suppresses echo on the microphone signal
AEC mode	Low	Echo suppression level

**ANC (Automatic Noise Cancellation) (enabled)**

Config element	Value	Description
Enable ANC	<input checked="" type="checkbox"/>	ANC filters out the background noise and at the same time keeps the voice signal
ANC mode	High	Advanced ANC options

**FESS (Far-End Signal Squelch) (disabled)**

Config element	Value	Description
Enable FESS	<input type="checkbox"/>	Audio Squelch on Far-End Signal (suppress audio on low signal levels)
FESS Threshold	-60	Range: -92..0 dBFS
FESS Activation Delay	100	Range: 0..10000 ms

**Loudspeaker DRC (Dynamic Range Compression) (disabled)**

Config element	Value	Description
Enable DRC	<input type="checkbox"/>	Loudspeaker DRC continuously monitors the output of the DAC Digital Volume control to detect its power level with regard to 0 dBFS
DRC Gain	5	Range: 0..20 dBA

**AVC (Automatic Volume Control) (enabled)**

Config element	Value	Description
Enable AVC	<input checked="" type="checkbox"/>	Dynamic volume adjustment based on ambient noise level
AVC Advanced Settings	<input type="checkbox"/>	Shows advanced options for AVC.

FACTORY RESET AUDIO SETTINGS

**IMPORTANT:** "Factory reset audio settings" will also reset DAVC, Tone Test and VAD (Sound Detection) settings. In case that you don't want to lose those settings, you will need to manually adjust desired Audio Settings.

SAVE

Start with the above settings. You may have to experiment with different settings for your environment.

## Programming Scale 2 and Additional Intercoms

While you could repeat the process above to program additional intercom, you can use the Backup and Restore feature to simplify the process.

1. Click on the Advanced Configuration box and go to **Station Administration** and **Backup and Restore**. Click the **Download** button and save the Scale 1 file to your computer.

The screenshot shows the 'Backup and Restore' page. The navigation menu includes 'Main', 'Edge Configuration', 'Station Administration', 'Edge Controller', and 'Advanced Network'. The 'Advanced Configuration' checkbox is checked. On the left sidebar, 'Backup and Restore' is selected. The main content area has a table with two rows:

	Action	
Download Complete Configuration	<b>DOWNLOAD</b>	Includes XML, ZAP, snmp.conf and Address Book.
Upload Configuration File	<input type="button" value="Choose File"/>	No file chosen File MUST be a valid configuration backup in tar.gz format

At the bottom of the table are two buttons: **UPLOAD** and **CANCEL**.

2. Disconnect the Scale 1 intercom from the POE switch and connect the Scale 2 intercom and log in to its IP address as normal. Click on **Edge Configuration** and **Account/Call**. Change the Name:, Number (SIP ID):, and Authentication User Name: to the scale intercom you are programming (see IP address table above) and click **SAVE**.

The screenshot shows the 'Account Settings' page. The navigation menu includes 'Main', 'Edge Configuration', 'Station Administration', and 'Advanced Network'. The 'Advanced Configuration' checkbox is checked. On the left sidebar, 'Account / Call' is selected. The main content area has a table with two columns: 'Description' and 'Configuration'.

Description	Configuration
Name:	Scale 2
Number (SIP ID):	302
Server Domain (SIP):	169.254.1.100
Backup Domain (SIP):	
Backup Domain 2 (SIP):	
Authentication User Name:	302
Authentication Password:	
Register Interval:	100 (min. 30 seconds)
Register Failure Interval:	60 (min. 5 seconds)

3. Click on **Main** and Main Settings. Change the **Mode** to **Edge**. Change the IP Address to the IP address of the scale you are programming. **SAVE** and **Reboot** and the intercom will now be work once you reconnect the Scale 1 intercom (you may need to unplug the intercom you just programmed and let Scale 1 boot up before you plug it in again).

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## Mode

Select preferred mode for your device. If your system is Edge, please log on to the device you will use as the Edge Controller. You can do all configuration of your devices from the Edge Controller.

 ICX-AlphaCom SIP Edge Edge Controller

## IP Settings

DHCP  Static IP 

IP Address:	169	-	254	-	1	-	102
Subnet Mask:	255	-	255	-	0	-	0
Gateway:	169	-	254	-	1	-	1
DNS Server 1:	0	-	0	-	0	-	0
DNS Server 2:	0	-	0	-	0	-	0