

IP Master Stations Getting Started Guide

The information in this document pertains to the following Vingtor-Stentofon IP Master Stations:

1008431000	CRM-V IP Flush Master Station V2
1008415000	IP Clean Room Master Station V2
1008400000	IP Desktop Master Station V2
1008401000	IP Desktop Master Station with Handset V2



1 Installation

The table below is an overview of the main connectors involved when installing the IP Master Stations.

LAN	10/100 Mbps RJ45 port for LAN (uplink) connection. Supports PoE (802.3af). Draws power from either spare line or signal line.
AUX	10/100 Mbps RJ45 ports for auxiliary equipment such as PC and IP camera.
Handset Port	RJ11 (only for IP Flush Master Station and IP Master Kit)
Headset Port	RJ11 (only for IP Flush Master Station and IP Master Kit)
Input/Output	Pluggable screw terminal (all stations except IP Desktop Station)
Extension Unit (IP DAK-48)	RJ45 (only for IP Flush Master Station and IP Master Kit)
Local Power	Pluggable screw terminal, 17-27 VDC Idle 4W, max. 8W (all stations except IP Desktop Station)

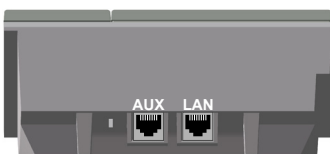
1.1 Power Supply

The IP Master Station supports Power over Ethernet (PoE, IEEE 802.3 a-f) where power can be drawn from either the spare line or signal line. If PoE is not available, the IP Master Station (except for IP Desktop) can be connected to a local power. A 24 VDC power supply should be used.

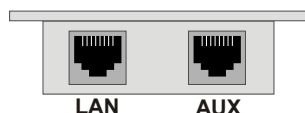
1.2 Network Connection

There are two RJ45 ports on the IP Master stations:

- LAN port is for connecting to the network and the ICX-AlphaCom server/exchange.
- AUX port is for connecting to auxiliary equipment such as a PC.



RJ45 Ports on Desktop Master Station



RJ45 Ports on CRM-V and Clean Room Master Stations

2 Configuration

The station can operate in different modes: ICX-AlphaCom, Edge, SIP. The default mode is **Edge**. The description in the rest of this document uses the **ICX-AlphaCom** mode as an example. There are two ways of configuring the IP Master Station:

- Via the station keypad
- Via a web browser

For ICX-AlphaCom configuration, there are essentially three parameters to set:

- ICX-AlphaCom IP address
- Station directory number
- Station IP address

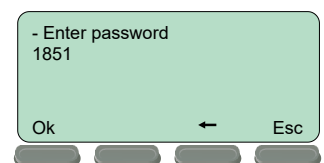
2.1 Configuration via Station Keypad

When the IP Master Station is not connected to the ICX-AlphaCom server, an offline menu is displayed. The offline menu can be used to configure the station and is navigated with the 4 buttons below the display. The button on the left is used as a **Select** or **Ok** button as shown in the display, while the button on the right is used as a **Back** button. The two buttons in the middle are used to navigate up or down according to the arrows. When configuring IP settings, the **M-key** is used to insert a "." (dot) and the **right-middle button** is used to delete a character.

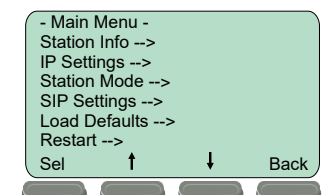
Main menu

To enter the setup menu:

1. Press the **Setup** button on the left
2. Enter the password **1851**
3. Press the **Ok** button

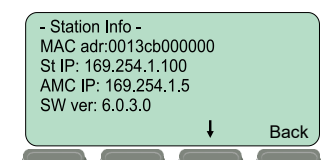


A menu with six options will be displayed. Use the two arrow buttons in the middle to navigate through the menu options. Press the **Sel** button on the left to select the menu option and the **Ok** button to confirm data entered. When entering data, the left-arrow is used for deleting characters.



Station Info

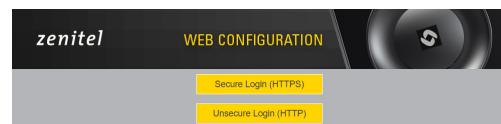
This shows the station MAC and IP addresses, the configured ICX-AlphaCom IP address and software version.



IP settings

Choose between DHCP and STATIC IP address. If STATIC is chosen, it is possible to configure the IP address, mask and gateway.

```
- IP settings -
<-> DHCP
<-> STATIC
IPaddr: 169.254.1.100
IPmask: 255.255.0.0
IPgw: 169.254.1.1
Sel ↑ ↓ Back
```



To log into the station:

1. Click **Login**
2. Enter the default User name: **admin**
3. Enter the default password: **alphaadmin**

The **Station Information** page will now be displayed, showing the IP station configuration.

Station Mode

Select **Station Mode** followed by **ICX-AlphaCom**.

```
- Station Mode
<-> ICX-AlphaCom
<-> Edge
<-> SIP
Sel ↑ ↓ Back
```

ICX Settings

Set the IP address of ICX-AlphaCom that the station shall connect to, and the directory number of the station. If a directory number is not entered, the station will register with its MAC address.

```
- ICX Settings
ICX IP: 169.254.1.5
Request Dir no: 2525
Sel ↑ ↓ Back
```

Load defaults

This will load the factory default settings.

Press the **Sel** button to load the default settings.

```
- Load defaults -
Station will restart.
Press to set.
Sel Back
```

Restart

This will restart the station.

Press the **Sel** button to restart the station. Restart the station to apply the new settings.

```
- Restart -
Press to restart
Sel Back
```

2.2.2 Station Main Settings

- Click **Station Main > Main Settings** to access the page for configuring station mode and IP parameters.

IP Address:	169	254	1	5
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:	zenitel300021			

Station Mode

- Select the **Use ICX-AlphaCom** radio-button

Registration Settings

- Enter the IP address of the ICX-AlphaCom server in which the IP station is to be a subscriber in the **ICX-AlphaCom IP-address** field.
- Enter the directory number of the station in the **Directory Number** field.
 - If a directory number is not entered, the station will register with its MAC address. The MAC address is found on the Station Information page and needs to be entered into the AlphaPro programming tool.

IP Settings

- **DHCP** – Use this option if the station shall obtain an IP address from a DHCP server.
- **Static IP** – Use this option if the IP station shall use a static IP address. Enter values for **IP-address, Subnet-mask, Gateway**.
- Click **Save** followed by **Apply** to apply the new configuration settings.

2.2 Configuration via Web Browser

2.2.1 IP Master Station Web Interface

The IP Master Station features an embedded web server, which allows users to log in via a standard web browser. At commissioning, the IP station needs to be configured to enable it to subscribe to an ICX-AlphaCom server. To do this, your PC and the IP station have to be connected together via a PoE switch using network cables:

- Connect the PC to the PoE switch
- Connect the LAN port on the station to the PoE switch

By default, the station is set to DHCP and will thus obtain an IP address from a DHCP server. Use the method described in section 2.1 under the heading **Station Info** to determine the actual IP address of the station.

After the IP properties have been updated, access the station by logging into the web interface using a standard web browser:

1. Open a web browser
2. In the browser's address bar, type the IP address as listed in the **Station Info** screen
 - The station login page will be displayed.