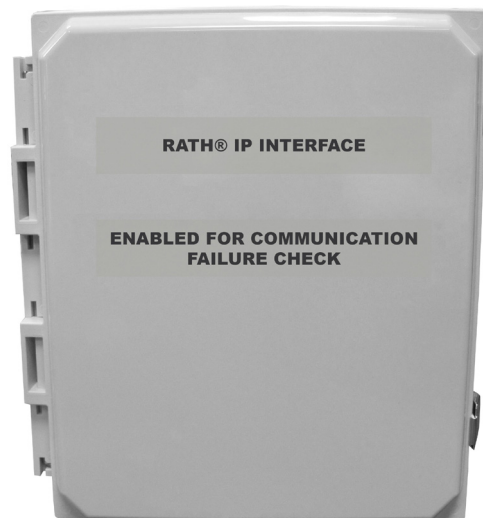




Installation & Operations Manual



2100-VOIPLC VOIP Interface



Thank you for purchasing RATH's 2100-VOIPLC. We are the largest Emergency Communication Manufacturer in North America and have been in business for over 35 years.

We take great pride in our products, service, and support. Our Emergency Products are of the highest quality. Our experienced customer support teams are available to remotely assist with site preparation, installation, and maintenance. It is our sincere hope that your experience with us has and will continue to surpass your expectations.

Thank you for your business,

The RATH® Team

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Items Needed

- RATH® 2100 Series Analog Phone
- 2 Static IP addresses (1 for VoIP Interface, 1 for Network Monitor)
- IP address of SIP Server

Note: Address for VoIP Interface must be on the same network as SIP Server

- Name, Authentication Password, and Authentication ID for SIP Extension
- PC with Network Interface Card attached to same network as SIP Server
- Battery backed up 110v power source
- Standard Analog Telephone

Installation

1. Attach mounting brackets to the back of the unit using provided hardware
2. Drill a 7/8" hole in appropriate location for data and telephone wiring
3. Make a slit in the provided grommet and insert into the 7/8" hole
4. Connect telephone line cord from FXS port on RATH® 2100-VOIP to 2100 series elevator phone
5. Connect data cable from network connection to available port on provided switch in 2100-VOIPLC
6. Connect power cable coming out of enclosure to standard 110v power source

VoIP Interface Set-Up

1. Connect Network Interface Card of PC to open Ethernet port on supplied network switch inside of the 2100-VOIPLC
2. Change the IP address of the laptop to **192.168.1.111**, Subnet: **255.255.255.0**
3. Turn off wireless card on computer (if applicable)
4. Change IP address of computer to match IP address scheme of VoIP Interface
5. Turn off wireless card on computer (if applicable)
6. Log into VoIP Interface
 - a. Enter VoIP Interface IP address into web browser (Google Chrome or Mozilla Firefox is preferred)
 - b. Log into Interface
LOGIN: admin **PASSWORD:** admin
7. Change IP address settings of VoIP Interface
 - a. Click **BASIC SETTINGS** under the menu options on the top of the screen
 - b. Scroll down to IPv4, click on circle next to **Statically Configure As**
 - c. Enter desired IP address, subnet mask, and default router for VoIP Interface
 - d. Select proper time zone from drop down menu next to **Time Zone**
8. Click **APPLY** at the bottom of the page
9. Enter SIP Server information in VoIP Interface
 - a. Click Profile 1 under the menu options on the top of the screen
 - b. Enter IP address of SIP Server in Primary SIP Server box
 - c. Click Update
- c. Enter SIP Extension ID in SIP User ID box
 - d. Enter Authentication ID in Authenticate ID box (can be the same as the SIP Extension ID)
 - e. Enter Authentication Password in Authenticate Password box
 - f. Fill in the NAME location as it will appear on the phone
10. Scroll to "**Enable LAN DHCP**" and check "No"

Connecting Interface to Network

1. Change the IP address of the PC NIC Card to an IP address in the same scheme as the 2100-VOIP and network
2. Open Command Prompt
3. Ping IP address of the VoIP Interface
4. If ping is successful, VoIP Interface setup is complete

Network Monitor Settings

1. Verify power to Network Monitor
2. Change computer IP address
 - Note:** If PC IP address was already changed while modifying the VoIP Interface, skip this step
 - a. Navigate to Control Panel
 - b. Navigate to Network Settings
 - c. Change IP to default IP address range of Network Monitor (recommended is 192.168.1.xxx)
 - d. Change Subnet Mask (default is 255.255.255.0)
3. Turn off wireless card on computer (if applicable)
4. Log into Network Monitor
 - a. Enter 192.168.1.254 into web browser (Google Chrome or Mozilla Firefox is recommended)
 - b. Log into iBoot
 - Login:** admin **Password:** admin
5. Navigate Network Monitor Interface
 - a. Click Network under the menu options on left hand side
 - b. Set the IP address, subnet mask, and gateway
 - c. Click Save
 - d. Click Device Settings on left hand side
 - e. Set the Location ID
 - f. Click AutoPing Settings on left hand side
 - g. Set the IP address of the unit needing to be monitored
 - Note:** Mode will be set to single unless multiple devices are being monitored
 - h. Set action to OFF-Follow
6. Testing Network Monitor
 - a. Navigate to Home Screen of Network Monitor web interface
 - b. Check for green status indicators and successful trigger counts

Wiring Diagram

