

ALGO
Communication Solutions



ThinkTel SIP Trunking and Algo 8028 Door Phone – Install Guide

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Contents

Overview	2
Requirements	2
Before you start.....	2
Configuration.....	2
Obtaining the management IP	2
Basic Settings Tab - SIP	3
Advanced Settings Tab - Time.....	4

Overview

Welcome to Algo 8028 door phone provisioning guide. This document covers the basic steps required to activate your new Algo 8028 door phone with a single ThinkTel SIP trunk.

It is also important to mention that the Algo 8028 can be configured in the same way on any Hosted PBX with an extension as apposed to a single SIP trunk. The configuration steps are the same.

The 8028 SIP Door phone (G2) is the next generation of the popular Algo 8028. The door phone has upgraded hardware capable of running the latest security and encryption standards, including TLS & SRTP, ensuring secure communication with hosted SIP providers.

Designed to include all the features of the original 8028, the second generation has a number of new features such as PoE/PoE+ power input, and built-in terminal block.

Requirements

Before you start

1. The installer will require the configuration credentials.
 - a. Username: for the HPBX extension or SIP trunk.
 - b. Password: for the HPBX extension or SIP trunk.
 - c. SIP Domain Name:
 - i. HPBX: This would be the provisioning URL.
 - ii. SIP Trunk: This would be obtained in U-control under the individual line info.
2. Download the latest device firmware from the Algo support site:
 - a. <https://www.algosolutions.com/8028-firmware-selection/>
3. Download the Algo user guide from the link below:
 - a. <https://www.algosolutions.com/user-guide-index/>

Configuration

Obtaining the management IP

Connect the Algo 8028 to power or a POE switch port to power the door phone.

After booting up, the red call button will turn on and the 8028 will have obtained an IP address. If there is no DHCP server, the 8028 will default to the static IP address **192.168.1.111**.

Before the 8028 is configured, the call button on the Door Station can be pressed to play the IP address over the speaker. (Once the SIP Server field is populated on the 8028 web interface, the call button will contact the pre-configured extension when pressed.) The IP address may be discovered by downloading the Algo locator tool to find Algo devices on your network: www.algosolutions.com/locator

Enter the IP address (e.g **192.168.1.111**) into a browser such as Chrome, Firefox or Edge. The web interface should be visible, and the default password will be **algo** in lower case letters.

Basic Settings Tab - SIP

SIP Server information and Credentials should be obtained from your telephone system administrator or hosted account provider. After saving the settings, see the Status tab to confirm the registration was successful.

The following information can be obtained from the customers provisioned line that will be used for the door phone. See below:

Individual Line Information

Account	[REDACTED]
Number	[REDACTED]
Type	Individual Line
Permanent Call Forwarding	False
Locale	English (Canada)
Second Locale	None
Label	Algo Door Phone 1
Additional Label	
SIP Domain Name	edm.sub.tprm.ca
SIP Password	Lookup

ThinkTel U-control lookup for individual lines	
SIP Domain (Proxy Server):	[REDACTED]
SIP Extension:	[REDACTED]
Authenticated ID:	[REDACTED]
Authenticated Password:	[REDACTED]
Extension to Dial:	[REDACTED]

Status **Basic Settings** Advanced Settings System Logout

SIP Features Door Control Input/Output Multicast

SIP Settings

SIP

This section allows the SIP server information & account credentials to be entered. This information should be obtained from your telephone system administrator or hosted account provider. After saving these settings, see the [Status](#) tab to confirm successful registration.

SIP Domain (Proxy Server) Default port is 5060. To specify a different port, enter PROXY:PORT, e.g. my_proxy.com:5070, or 192.168.1.10:5080.

SIP Extension

Authentication ID

Authentication Password

Extension to Dial Phone number to be dialed when the call button is pressed.



Important: Any time changes are made to settings in the web interface the **'Save'** button must be clicked to save the changes.

After the changes have been made in the SIP tab, select the Save button. The door phone will reboot while the changes are applied and an attempt to register is initiated. Once the doorphone is back access the doorphone's web interface, the installer will be transported to the device Status page.

Confirm in the SIP Registration line **Successful** and the (extension) is listed, see below for more information. Once the successful registration of the device is confirmed, the installer can navigate to other menus and tabs for customization of the settings.

Welcome to the Algo 8028 SIP Doorphone (G2) Control Panel

Setting up your SIP Doorphone:

Step 1: Configure your SIP Doorphone
Log in with the default password and use the Basic Settings pages to set up the basic information.

Step 2: Check network settings (Optional)
Use the Network page under the Advanced Settings tab to change network settings. The default setting for the device is to obtain its IP address from a DHCP server. Contact your Network System administrator if you plan to assign a static IP address, Mask, and Gateway to the device.

Step 3: Secure your SIP Doorphone (Optional)
Use the Admin page under the Advanced Settings tab to change the administrator password.
⚠ Changing the password is extremely important if the device is directly connected to a public network.

Step 4: Register your SIP Doorphone (Optional)
Please register your product using the link below:
<http://www.algosolutions.com/register>

Registration ensures your access to the latest upgrades to this product and important service notices.

Login

Password (default: algo) Login

Status

Device Name	doorphone-03474c
SIP Registration	Successful (Extension 5 [REDACTED])
Call Status	Idle
Proxy Status	Single proxy mode
Provisioning Status	None found
MAC	00:22:ee:03:47:4c
IPv4	128.144.2.30/22, Gateway: 128.144.1.250
Date / Time	Mon Mar 29 10:41:00 MDT 2021
Multicast Mode	Disabled
Volume	Speaker Volume: 8 (-6dB)
Extension to Dial	4032105222
Door Station Status	Connected
Door Sensor	Door Open
Door Relay	Door Locked
PoE Detection	PoE 802.3af (Max 12.95W) Warning: Some functionality will be reduced due to the present power connection.

Advanced Settings Tab - Time

Navigate to the Time Tab, it is important to set the time for the door phone. The reason being if the ThinkTel support staff analyze the device logs and the time was not set to the correct time zone the logs will not have the correct time and makes it more difficult to trouble shoot any issue using the device logs.

Use the dropdown and select the correct timezone for the customer.

Select the save button to record the changes that have been made for the timezone.

Give it a couple minutes for the changes to take effect and the device to update and reflect the new time.

Status Basic Settings **Advanced Settings** System Logout

Network Admin **Time** Provisioning Advanced Audio Advanced SIP Advanced Multicast

Time Settings

General

Timezone	GMT
NTP Time Server 1	0.debian.pool.ntp.org
NTP Time Server 2	1.debian.pool.ntp.org
NTP Time Server 3	2.debian.pool.ntp.org
NTP Time Server 4	3.debian.pool.ntp.org

Supersede NTP from DHCP Enabled Disabled
By default, if an NTP Server address is provided via DHCP Option 42, it will be used instead of the NTP servers listed below. Enable this option to ignore DHCP Option 42.

Device Date/Time	Fri May 15 20:56:44 2020	Sync with browser
Manually Override Time	20:56:09	Manually Set Time

Manual time and date are intended for testing purpose only. Time will be lost upon power down if NTP server is reachable.

Save

For a more in-depth view of the Algo 8028 door phone please consult the user guide.