



SOLUTION MANUAL

**Configuring Yealink T58V Smart Media Phone
with Algo Video Intercoms Application Note**

Table of Contents

Introduction	3
Before You Begin.....	3
Get Help	3
Scenario.....	4
Configuring Yealink T58V	4
Configuring Algo 8061 IP Relay Controller.....	5
Configuring Algo 8039 SIP Video Intercom	6
Configuring 8036 SIP Multimedia Intercom.....	8

Introduction

This guide outlines the configuration required to set up a video call to/from Yealink T58V Smart Media phone to the Algo 8036 SIP Multimedia Intercom or 8039 SIP Video Intercom. Also covered are instructions to step up the optional Algo 8061 IP Relay Controller, where the telephone keypad can activate a relay for releasing a locked door/gate during an intercom call.

The 8036 and 8039 are designed for indoor or outdoor public access locations to provide enhanced communication and support for guests and visitors. Applications include unattended lobbies, security monitoring, employee access, visitor greeting, video calling, enhanced courtesy phone, multi-tenant gate or entrance, guest service, and visitor assistance kiosk.

For further User Guide information please refer to: [8036 SIP Multimedia Intercom](#), [8039 SIP Video Intercom](#) or [8061 IP Relay Controller](#).

Note: Any of the other audio-only Algo SIP intercoms, such as the [8028](#) or [8201](#), are compatible using Yealink phones.

Before You Begin

This guide covers the steps for configuring the Algo 8036 SIP Multimedia Intercom and 8039 SIP Video Intercom for one-way video calls with Yealink T58V.

Firmware used during testing:

- Yealink T58V - 58.80.0.10
- Algo 8036 – 1.5.6
- Algo 8039 – 1.5.6
- Algo 8061 – 2.7.3

Get Help

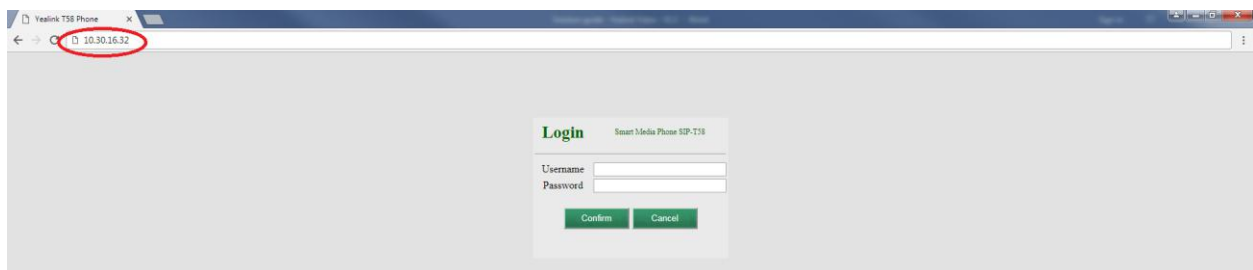
For more information about installing, configuring, and administering Yealink products, refer to Documents and Downloads at Yealink Support. For technical questions about the Algo products, please contact Algo support: at 604-454-3792 or support@algosolutions.com.

Scenario

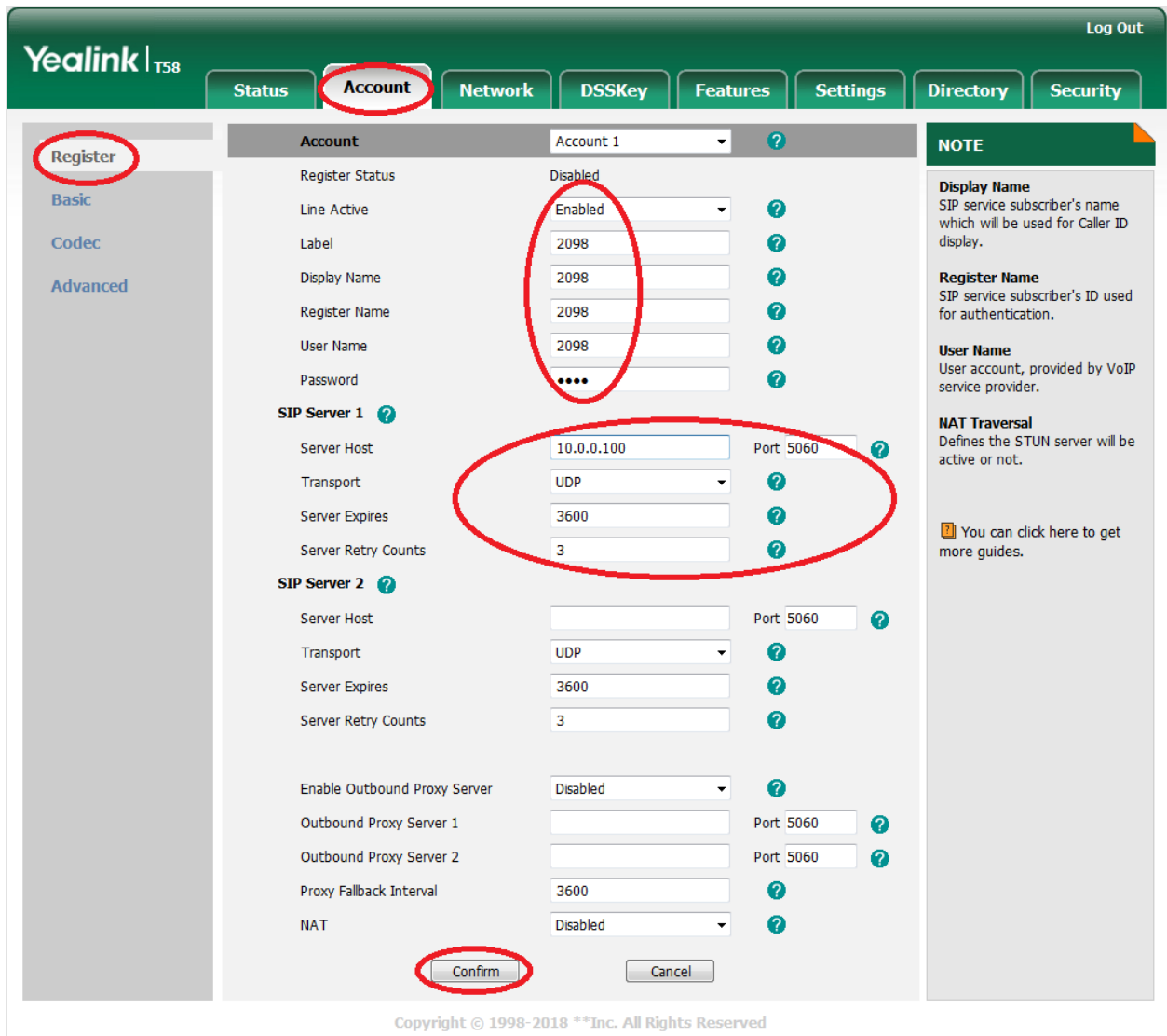
This example shows how to configure the 8036 and/or 8039 for one-way video communication with Yealink T58V Smart Media Phone. Configuring the 8061 IP Relay Controller for door control is also covered.

Configuring Yealink T58V

- 1) To view the phone's IP address, navigate to the **Settings** menu on the phone, under **Status**, click **General**
- 2) To access the configuration panel, open an empty web browser, enter the device's IP address in the address field, and press Enter

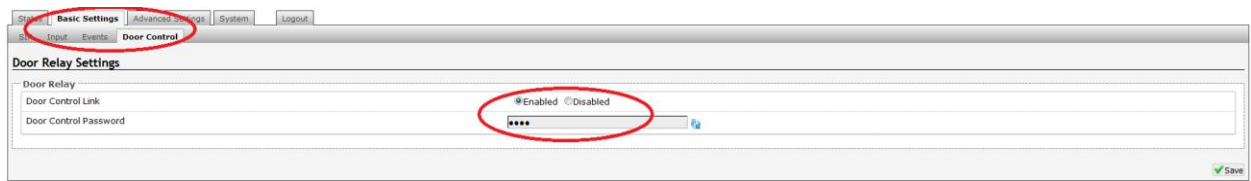


- 3) In the web interface enter the **username** and **password** to log in (default is **admin/admin**)
- 4) Click on Account tab, then Register. Make sure **Line Active** setting is **enabled**, enter the desired values in **Label**, **Display Name**, **Register Name**, **User Name**, and **Password**. Moreover, enter the information for **SIP Server 1**. Contact your system administrator for more information. Click **Confirm** at the bottom of the page to save the changes

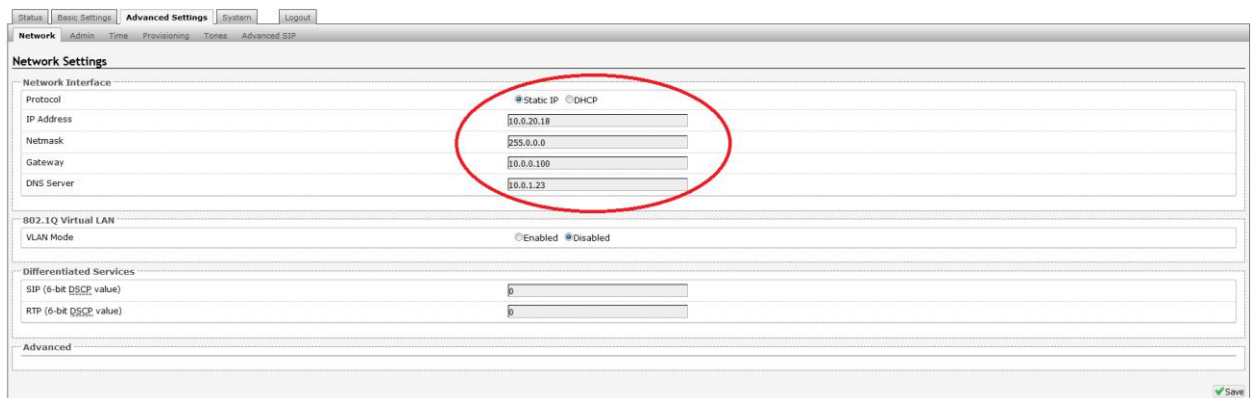


Configuring Algo 8061 IP Relay Controller

- 1) To configure the 8061, open an empty web browser, enter the device's IP address in the address field, and press Enter
- 2) To find the **device's IP address**, please refer to the user guide available at: <http://www.algosolutions.com/8061/guide>
- 3) In the web interface, enter the password to log in (default password is **algo**)
- 4) There is no need to do a separate **SIP Server** registration, in this scenario. Leave the **SIP Domain, Extension, Authentication ID** and **Authentication Password** blank
- 5) Navigate to **Basic Settings, Door Control** tab. Ensure **Door Control Link** is enabled and enter a password for **Door Control Password**. Click save



- 6) It is recommended to have a Static IP Address assigned to this device, as it will need to be entered on the 8036 and/or 8039. Save the changes



Configuring Algo 8039 SIP Video Intercom

- 1) To configure the 8039, open an empty web browser, enter the **device's IP address** in the address field, and press Enter
- 2) To find the device's IP address, please refer to the user guide available at: <http://www.algosolutions.com/8039/guide>



- 3) In the web interface, enter the password to log in (default password is **algo**)
- 4) Click on **Basic Settings** tab and then **SIP** tab. To register the 8039 with the SIP Server enter the domain name or IP address in the **SIP Domain (Proxy Server)** field. Enter a unique **SIP Extension, Authentication ID** and **Authentication Password**. Lastly, enter the **Extension to Dial** (this is dialed when Call button is pressed). At the bottom of the screen click Save

Status **Basic Settings** Advanced Settings System Logout

SIP Features Video Keypad Door Control 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
ⓘ Prefix number to dial when the Call Button is pressed. See "Basic Settings > Keypad" to configure alternate keypad modes.

5) Navigate to **Basic Settings** tab, then **Door Control** tab. Enter the IP address (**Network Door Controller Address**) and password (**Network Door Controller Password**) assigned to the 8061 previously. Save the changes

Status **Basic Settings** Advanced Settings System Logout

SIP Features Video Keypad **Door Control** Multicast

Door Controller Settings

Network Door Controller

Network Door Controller Address
ⓘ Requires Algo 8061, firmware v2.7.3 or above

Network Door Controller Password

Inside Codes (Door Unlock via Telephone DTMF)

Momentary Open Code
ⓘ 1-4 digit code that can be used to unlock the door for a brief period of time (as set by the Duration field). Leave this field blank to disable this feature.

Duration
ⓘ The duration for which to unlock the door when the Momentary Open Code is entered.
 ⓘ Applies to Outside Codes below as well

Latch Open Code
ⓘ 1-4 digit code that can be used to unlock the door indefinitely. Leave this field blank to disable this feature.

Latch Closed Code
ⓘ 1-4 digit code that will lock the door again when it is latched open. Leave this field blank to disable this feature.

Outside Codes (Door Unlock from Doorphone Keypad)

Number of Doorphone Keypad Codes Disabled Single Code Multiple Codes

Code #1
ⓘ Max 8 digits (blank = disabled).
 ⓘ To unlock the door from the keypad, press "*" followed by the code chosen above. If an incorrect code is entered by mistake, simply press "*" again to restart entry.

Tone

Door Unlock Tone Enabled Disabled

Local Door Controller

Local Door Relay Enabled Disabled

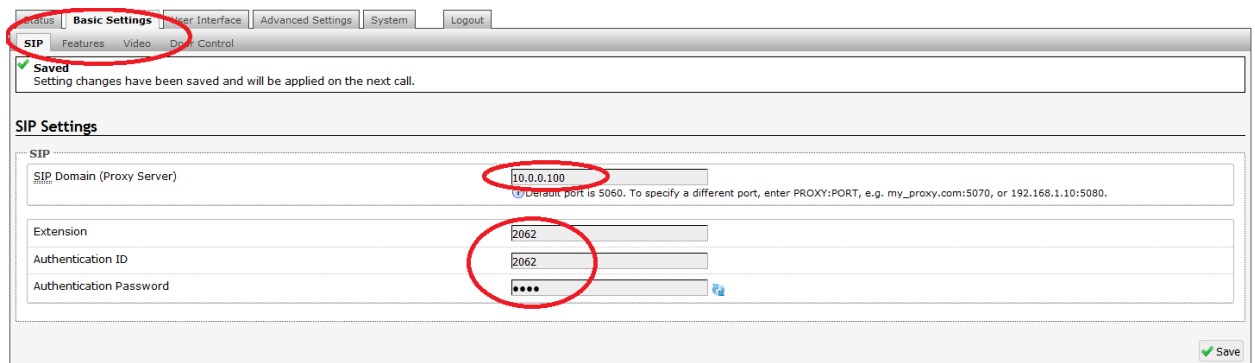
Configuring 8036 SIP Multimedia Intercom

Note: Two-way video is not supported on the current firmware release.

- 1) To configure the 8036, open an empty web browser, enter the **device's IP address** in the address field, and press Enter
- 2) To find the device's IP address, please refer to the user guide available at: <http://www.algosolutions.com/8036docs>



- 3) In the web interface, enter the password to log in (default password is **algo**)
- 4) Click on **Basic Settings** tab and then **SIP** tab. To register the 8036 with the SIP Server enter the domain name or IP address in the **SIP Domain (Proxy Server)** field. Enter a unique **SIP Extension, Authentication ID and Authentication Password**. At the bottom of the screen click Save.



- 5) Navigate to **Basic Settings** tab, then **Door Control** tab. Enter the IP address (**Network Door Controller Address**) and password (**Network Door Controller Password**) assigned to the 8061 previously. Save the changes

Status **Basic Settings** User Interface Advanced Settings System Logout

SIP Features Video **Door Control**

Network Door Controller Settings

ⓘ This section allows security codes to be configured for unlocking the door. There are two different ways to unlock the door:

- From inside the building: using the DTMF keypad on the inside telephone that answers the call ("Inside Codes")
- From outside the building: using the keypad on the the doorphone touchscreen ("Outside Codes")

ⓘ An electronic doorstrike is required for unlocking the door. These doorstrikes typically require their own power system and a contact closure for activation. For security purposes, the contact closure is not provided on the 8036. Instead, a Network Door Controller (Algo 8061, sold separately) is used, located securely inside the building.

General

Number of Network Door Controllers: 1

Door Unlock Tone: Enabled Disabled

#1 Network Door Controller

Address: 10.30.1.54
 ⓘ Requires Algo 8061, firmware v2.7.3 or above.

Password: ****

Inside Codes Door Unlock via Telephone DTMF.

Momentary Open Code: 6
 ⓘ 1-4 digit code that can be used to unlock the door for a brief period of time (as set by the Duration field). Leave this field blank to disable this feature.

Duration: 3 seconds
 ⓘ The duration for which to unlock the door when the MomentaryOpen Code is entered.

Latch Open Code:
 ⓘ 1-4 digit code that can be used to unlock the door indefinitely. Leave this field blank to disable this feature.

Latch Closed Code:
 ⓘ 1-4 digit code that will lock the door again when it is latched open. Leave this field blank to disable this feature.

Outside Codes Door Unlock from Doorphone Touch Screen Keypad.

Access Code:
 ⓘ 1-8 digit codes allowed. Multiple codes can be entered by separating each code with a space, comma, or semicolon. Leave this field blank to disable this feature.

6) To configure the user interface, buttons, and functions, please see the Quick Start guide available at: www.algosolutions.com/8036docs