

GT-TLI-IP

VoIP Interface for the GT Series

Installation / Operation Instructions



ATTENTION:

This is the installation and operation manual for the GT-TLI-IP only. Refer to the GT Series Installation and Operation Manual for complete information on all other GT components.

Precautions

WARNING

(Negligence could result in death or serious injury to people.)

- High voltage is present internally. Do not open the case. Electric shock may occur.
- Do not dismantle or alter the unit. Fire or electric shock may occur.
- Do not connect any non-specified power source to the +, - terminals and do not install two power supplies in parallel to a single input. Fire, damage to the unit, or system malfunction may occur.
- Keep the unit away from water or any other liquid. Fire or electric shock may occur.
- Do not put any metal or paper into the unit through the openings. Fire or electric shock may occur.
- Do not plug or unplug with wet hands. Electric shock may occur.
- Keep AC plug away from moisture or dust as fire may occur.
- Keep AC cord from being marred or crushed. If the AC cord is damaged, fire or electric shock could occur.
- Do not use a power supply with a voltage other than specified. Fire or electric shock may occur.
- Insert AC plug completely and securely into AC outlet. Otherwise, fire or electric shock may occur.
- Do not install or use near gases or flammable materials. Fire or explosion may occur.

CAUTION

(Negligence could result in injury to people or damage to property.)

- Before turning on power, make sure wires are not crossed or shorted. Fire or electric shock may occur.
- When mounting the unit on wall, install the unit in a convenient location, but not where it could be jarred or bumped. Injury may occur.
- Do not install or make any wire terminations while power supply is plugged in. It could result in electric shock or damage to the unit.
- Do not install the unit in any of the following locations. Fire, electric shock, or unit trouble may occur.
 - Places under direct sunlight, or near heating equipment that varies in temperature.
 - Places subject to dust, oil, chemicals, hydrogen sulfide (hot spring).
 - Places subject to moisture and humidity extremes, such as bathrooms, cellars, greenhouses, etc.
 - Places where temperature is quite low, such as inside a refrigerated area or in front of an air conditioner.
 - Places subject to steam or smoke (near heating or cooking surfaces).
 - Places where noise generating devices such as dimmer switches or inverter electrical appliances, are close.
- On products with ground terminals, connect to an earth ground. Fire or malfunction may occur if unit is not properly grounded.
- For DC power systems, use Aiphone power supply model specified with the system. If non-specified product is used, fire or malfunction may occur.
- Do not place anything on top of unit. Fire or unit malfunction may occur.
- Do not mount the unit in a place subjected to constant vibration or impact. If jarred or knocked off the wall, injury may occur.

GENERAL PRECAUTIONS

- All units, except for the door station, are designed for indoor use only. Do not use outdoors.
- In areas where broadcasting station antennas are close by, the intercom system may be affected by radio frequency interference.
- If a cellular phone is used close by, the unit may malfunction.
- This product, being a control unit for door release, should not be used as a crime prevention device.
- Keep the unit more than 3 feet away from radio or TV set.
- Due to the environmental sound around the unit, it may hinder smooth communication. This is not a malfunction.

Package Contents

- Installation / Operation Instructions
- GT-TLI-IP
- 12V DC power supply
- 1 x Ferrite Core (for Cat-5e/6)
- Quick Installation Sheet

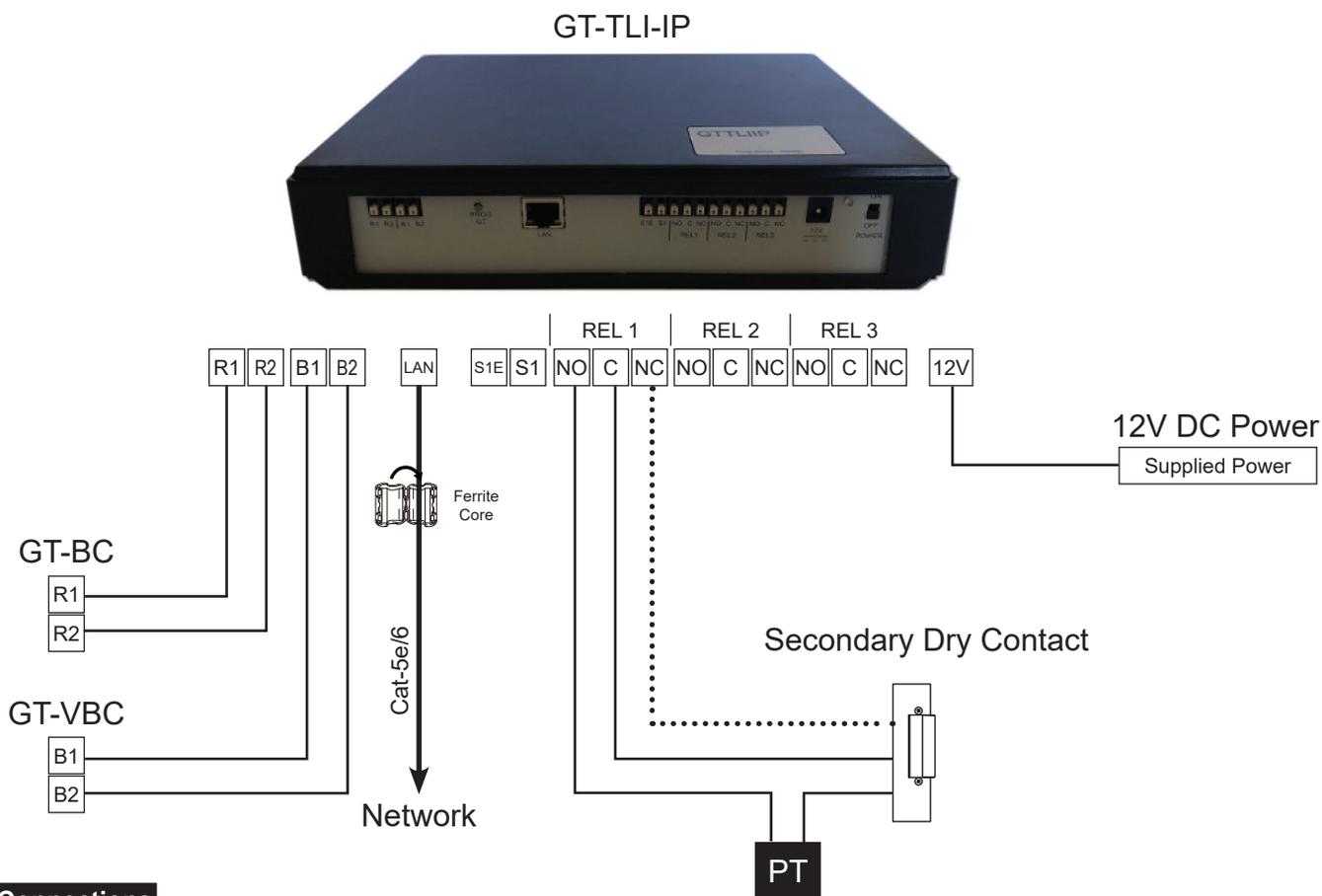
Overview

The GT-TLI-IP is an IP adaptor for the GT Series that will allow mobile devices running the AiphoneGT app to be connected to answer the call from a visitor and open the door. The GT-TLI-IP adaptor will come with the instructions to connect up to 3 instances of the mobile app. The GT-TLI-IP can be included in a tenant space with another GT Series tenant station or it can be used stand-alone so the apps are the only option to answer/release the entrance door.

Installation

A working GT system with at least one entry panel is required when using the GT-TLI-IP VoIP interface adaptor. The GT-TLI-IP can be desk mounted or wall mounted using the mounting slots on the back of the unit. Ensure that the mounting location is accessible.

Wiring



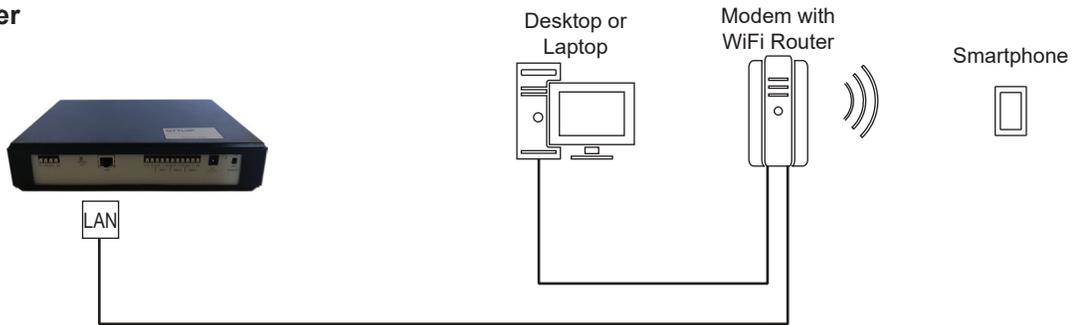
Connections

R1/R2:	Audio cable to GT-BC
B1/B2:	Video cable to GT-VBC
LAN:	Ethernet Port (RJ45)
S1/S1E:	Contact Input
NO/C/NC x 3:	12V DC, 2A; 24V DC, 1A
12V:	To power supply 12V DC, 500mA

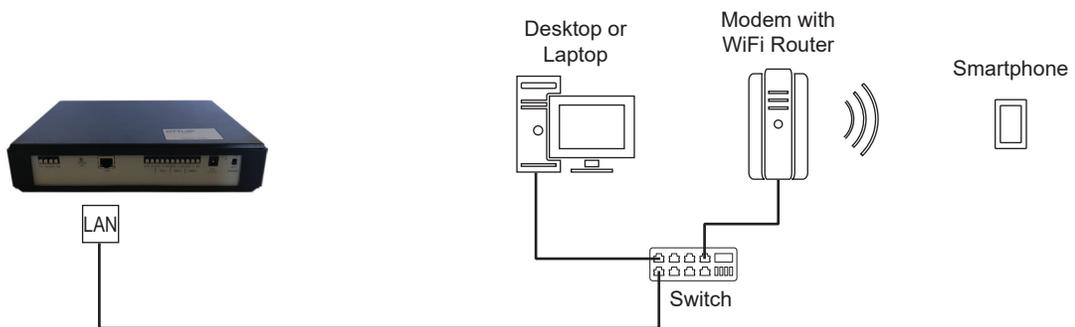
Wiring (continued)

Below are a few examples of connecting the GT-TLI-IP to the network.

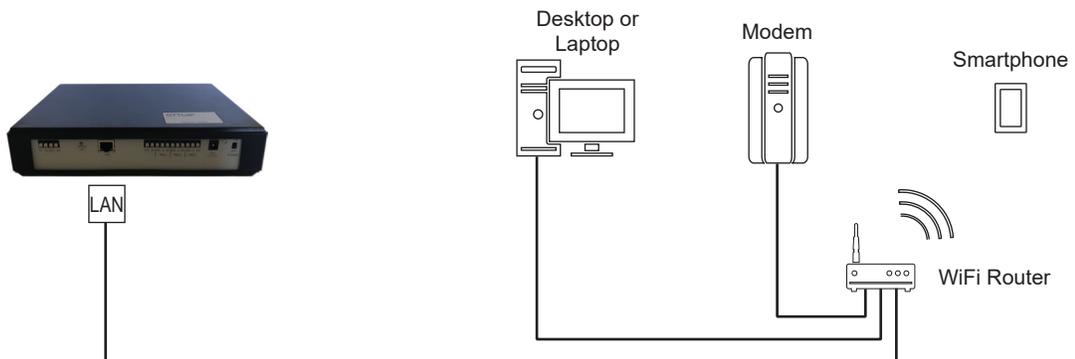
Modem with Router



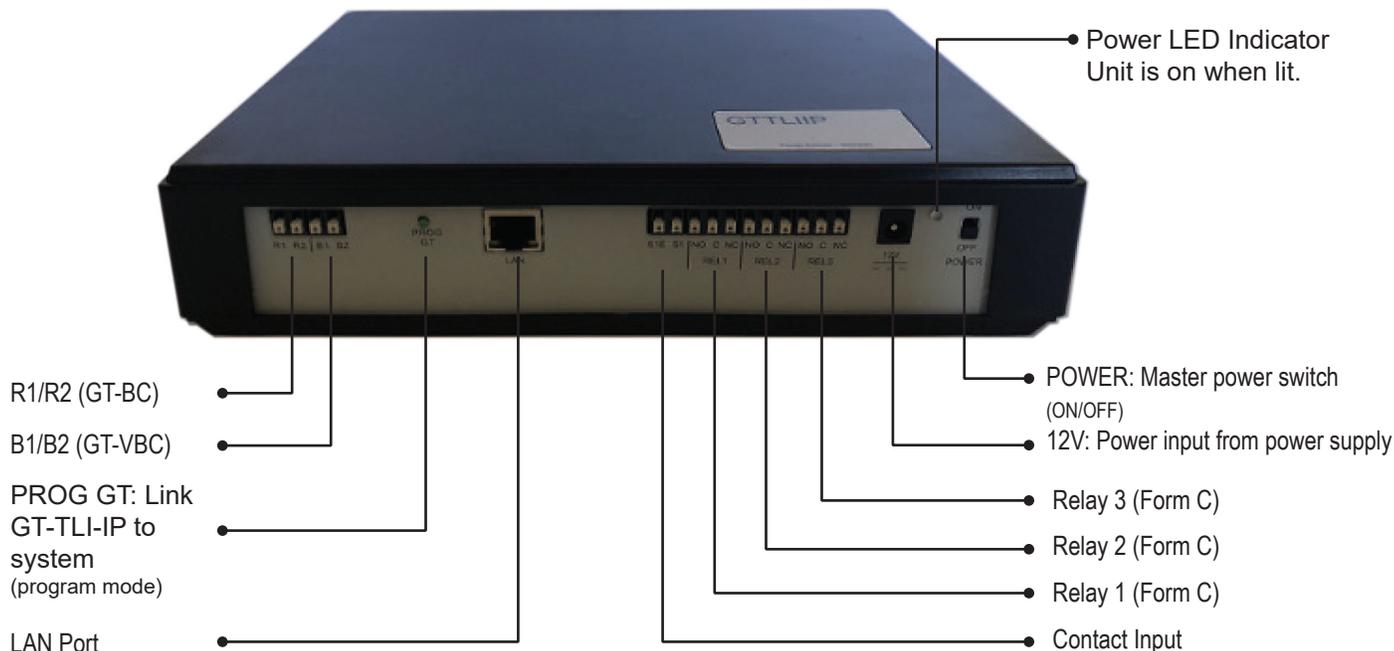
Standard Switch



Modem without Router



NAMES



Linking GT-TLI-IP to GT system

Direct Select / Push Button Entrance Station Addressing

- Step 1:** Remove front cover from entrance station.
- Step 2:** To enter programming mode, use a small screwdriver to push and release button under the rubber cap on front of speaker module (GT-DB). The amber LED will begin flashing, then remain lit. Once lit, the entry panel is in programming mode.
- Step 3:** At GT-TLI-IP, press the **PROG GT** button and the Power LED will begin flashing. The GT-TLI-IP is now connected to the entrance panel.
- Step 4:** Push and release the desired Call Button on the entrance station to assign the button to the GT-TLI-IP station that is active. A blip tone will be played.

DO NOT press and hold the Call Button as doing so will clear the memory for this button.

- Step 5:** At GT-TLI-IP, press the **PROG GT** button to complete programming.
- Step 6:** To exit programming, push the button under the rubber cap on the GT-DB module again and the amber LED will turn off. The system is now ready for use.

GT Digital Display Entrance Station Addressing

- Step 1:** Remove front cover from entrance station.
- Step 2:** To enter programming mode, use a small screwdriver to push and release button under the rubber cap on front of speaker module (GT-DB). The amber LED will begin flashing, then remain lit. Once lit, the entrance station is in programming mode. The LCD will show "CONNECTING" while in programming mode.
- Step 3:** At GT-TLI-IP, press the **PROG GT** button and the Power LED will begin flashing. The GT-TLI-IP is now connected to the entrance panel.
- Step 4:** Scroll to the station number to be programmed or manually dial the number. When the tenant station number is displayed, push and release the **Bell** button (🔔) to assign the address to the GT-TLI-IP station that is active. A blip tone will be played.

DO NOT press and hold the Bell Button as doing so will clear the memory for this address.

- Step 5:** At GT-TLI-IP, press the **PROG GT** button to complete programming.
- Step 6:** To exit programming, push the button under the rubber cap on the GT-DB module again and the amber LED will turn off. The system is now ready for use.

Linking GT-TLI-IP to GT system *(continued)*

GT-DMB-N Entrance Station Addressing

- Step 1:** While in standby mode, enter # plus ID code (default is ★1111). Re-enter ID code.
- Step 2:** Scroll down to **PROGRAMMING**. Push the **Bell** button . Push the bell button  again to enter programming mode. The amber LED will begin flashing, then remain lit. Once lit, the entry panel is in programming mode. The LCD will show “CONNECTING” while in programming mode.
- Step 3:** At GT-TLI-IP, press the **PROG GT** button and the Power LED will begin flashing. The GT-TLI-IP is now connected to the entrance panel.
- Step 4:** Scroll to the station number to be programmed or manually dial the number. When the tenant station number is displayed, push and release the **Bell** button  to assign the address to the GT-TLI-IP station that is active. A blip tone will be played and the LCD screen will display “Registered”.
- DO NOT press and hold the Bell Button as doing so will clear the memory for this address.**
- Step 5:** At GT-TLI-IP, press the **PROG GT** button to complete programming.
- Step 6:** To exit programming, press the “X” button on the panel to return to the programming menu (the amber LED will turn off). Press the “X” button again to return to the main menu. Scroll to **QUIT** and press the  button. The system is now ready for use.

App Set up

The AiphoneGT app can easily be set up and registered using QR codes supplied with the GT-TLI-IP adaptor. A barcode reader is required on the phone in order to use the QR codes.

1. Install the “AiphoneGT” application on the mobile device.
 - a. Read the QR code on the back of the GT-TLI-IP or the one below. The mobile device will connect directly to the corresponding store (Google Play™ or App Store®).



- b. If the QR code does not work, go the store on the mobile device and search for the AiphoneGT application.

App Set Up (continued)

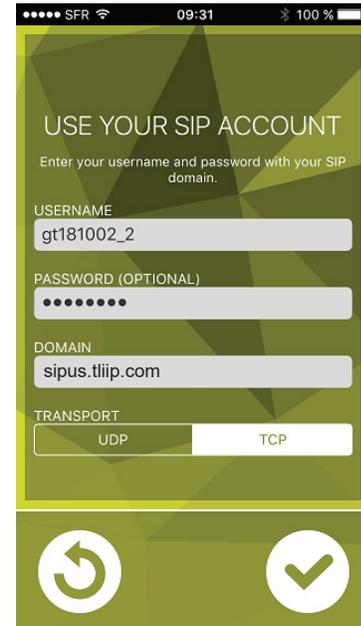
2. Launch the "AiphoneGT" application on the mobile device.
The Welcome screen will open.

Auto Entry: Scan one of the three available QR codes on the back of the GT-TLI-IP.



If QR scan does not work or manual entry is preferred, click the edit button.

Manual Entry: Enter the User name, Password and Domain found near the QR code on the back of the GT-TLI-IP



When the icon is green, the mobile app is ready to use. Place a call from the entrance panel to test station.



GT-TLI-IP Advanced Settings

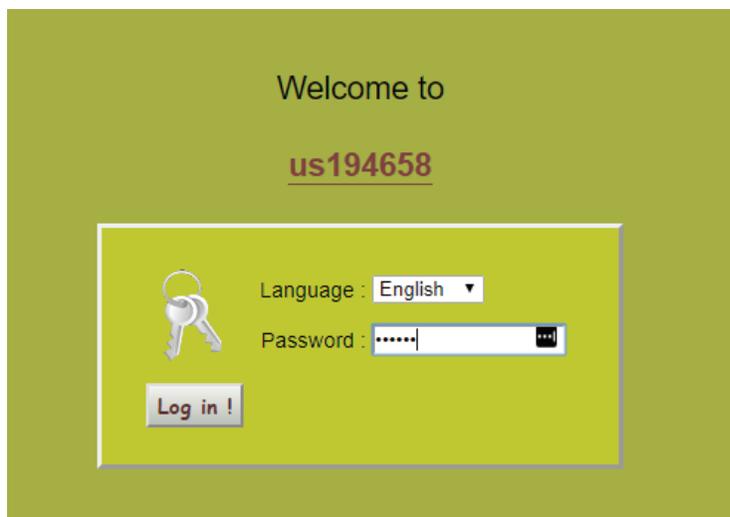
The GT-TLI-IP can be configured to send emails with a snapshot of the visitor when a call is placed. The operating parameters of the GT-TLI-IP can also be adjusted.

Open a web browser and enter **http://us.tliip.com** in the address bar. The PC will connect to the GT-TLI-IP and the Welcome to Proxy screen will appear. Select the desired language and enter the Serial Number found on the back of the GT-TLI-IP into the User field. Click **Connect**.



The image shows a web interface titled "Welcome to Proxy" for "us.tliip". It features a light green rounded rectangular form with a key icon on the left. Inside the form, there is a "Language" dropdown menu set to "English" and a "User" text input field containing "us194658". A "Connect" button is located at the bottom of the form.

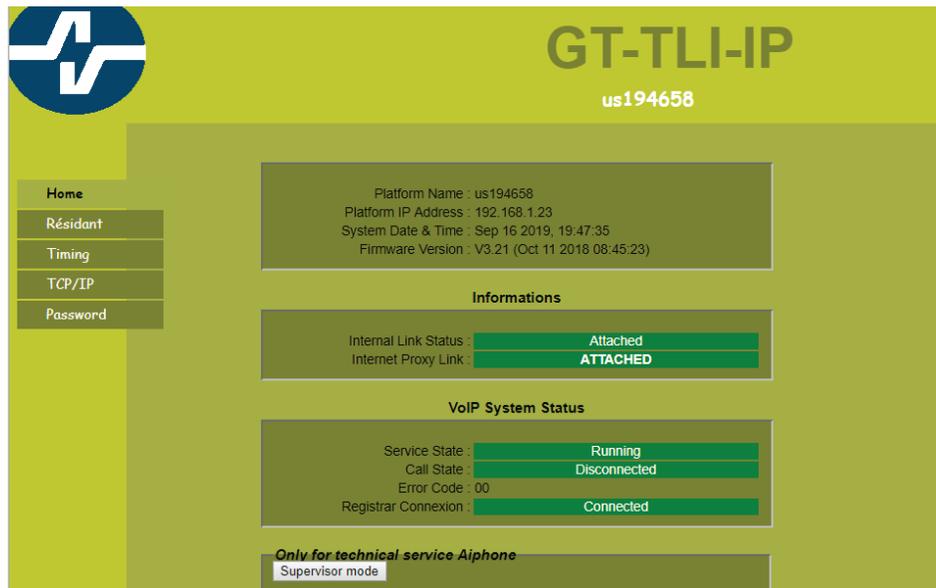
The Welcome to "GT-TLI-IP" adaptor screen will display next. Select the desired language and enter the password found on the back of the GT-TLI-IP or on the quick installation sheet supplied with the adaptor. Click **Log in**.



The image shows a web interface titled "Welcome to" for "us194658". It features a light green rounded rectangular form with a key icon on the left. Inside the form, there is a "Language" dropdown menu set to "English" and a "Password" text input field with masked characters. A "Log in !" button is located at the bottom of the form.

GT-TLI-IP Advanced Settings (continued)

The Welcome Screen for the GT-TLI-IP adaptor will be displayed. Click **Resident** to add an email address to send a snapshot of the visitor when a call is placed for each instance of the AiphoneGT app.



The screenshot shows the GT-TLI-IP Welcome Screen. On the left is a navigation menu with options: Home, Resident, Timing, TCP/IP, and Password. The main content area displays the following information:

- Platform Name :** us194658
- Platform IP Address :** 192.168.1.23
- System Date & Time :** Sep 16 2019, 19:47:35
- Firmware Version :** V3.21 (Oct 11 2018 08:45:23)

Informations

- Internal Link Status :** Attached
- Internet Proxy Link :** ATTACHED

VoIP System Status

- Service State :** Running
- Call State :** Disconnected
- Error Code :** 00
- Registrar Connexion :** Connected

Only for technical service Aiphone

Supervisor mode

All 3 available instances of the app for the adaptor will be displayed. Enter an email address for each instance of the app if that user would like an email sent with a snapshot of the visitor when a call is placed. If the **Always** box is checked, the email will be sent to the entered address when any call is placed to the GT-TLI-IP. If the **Always** box is not checked, the email will only be sent when that app does not receive the call (i.e. no cell phone coverage).



The screenshot shows the 'Edit Resident' configuration page. It contains the following fields and options:

- Name ***: us194658
- Phone**: (empty)
- VoIP SIP Address (user@domain.com) ***: us194658_1@sipus.tliip.com
- 1st Mail Address (user@domain.com) ***: (empty) Always
- 2nd VoIP SIP Address (user@domain.com) ***: us194658_2@sipus.tliip.com
- 2nd Mail Address (user@domain.com) ***: (empty) Always
- 3rd VoIP SIP Address (user@domain.com) ***: us194658_3@sipus.tliip.com
- 3rd Mail Address (user@domain.com) ***: (empty) Always

* = Mandatory Fields

Submit Cancel

Click **Submit** to save and validate any changes made on this page.

GT-TLI-IP Advanced Settings (continued)

The Welcome Screen for the GT-TLI-IP adaptor will be displayed again. Click on **Timing** to adjust when the call will end if answered from the AiphoneGT app.

GT-TLI-IP
us194658

Home
Résidant
Timing
TCP/IP
Password

Platform Name : us194658
Platform IP Address : 192.168.1.23
System Date & Time : Sep 16 2019, 19:47:35
Firmware Version : V3.21 (Oct 11 2018 08:45:23)

Informations

Internal Link Status : **Attached**
Internet Proxy Link : **ATTACHED**

VoIP System Status

Service State : **Running**
Call State : **Disconnected**
Error Code : 00
Registrar Connexion : **Connected**

Only for technical service Aiphone
Supervisor mode

The Installation Configuration screen will open. From this screen you can select to terminate the call after the door has been released (Access #1), or to terminate 5 seconds after the door has been released. If these are not set, the communication will be terminated by the user tapping the end call button on the app or when the communication time-out is reached.

The adaptor can be set to terminate the call after one of the optional relay outputs is triggered as well. Set the option outputs accordingly.

Installation Configuration

Access #1

Terminate Call on Contact
 Terminate Call on Contact + 5 sec

Option #1

Delaying
5 secs
 Terminate Call on Contact
 Terminate Call on Contact + 5 sec

Option #2

Delaying
5 secs
 Terminate Call on Contact
 Terminate Call on Contact + 5 sec

Option #3

Delaying
5 secs
 Terminate Call on Contact
 Terminate Call on Contact + 5 sec

Outgoing Calls

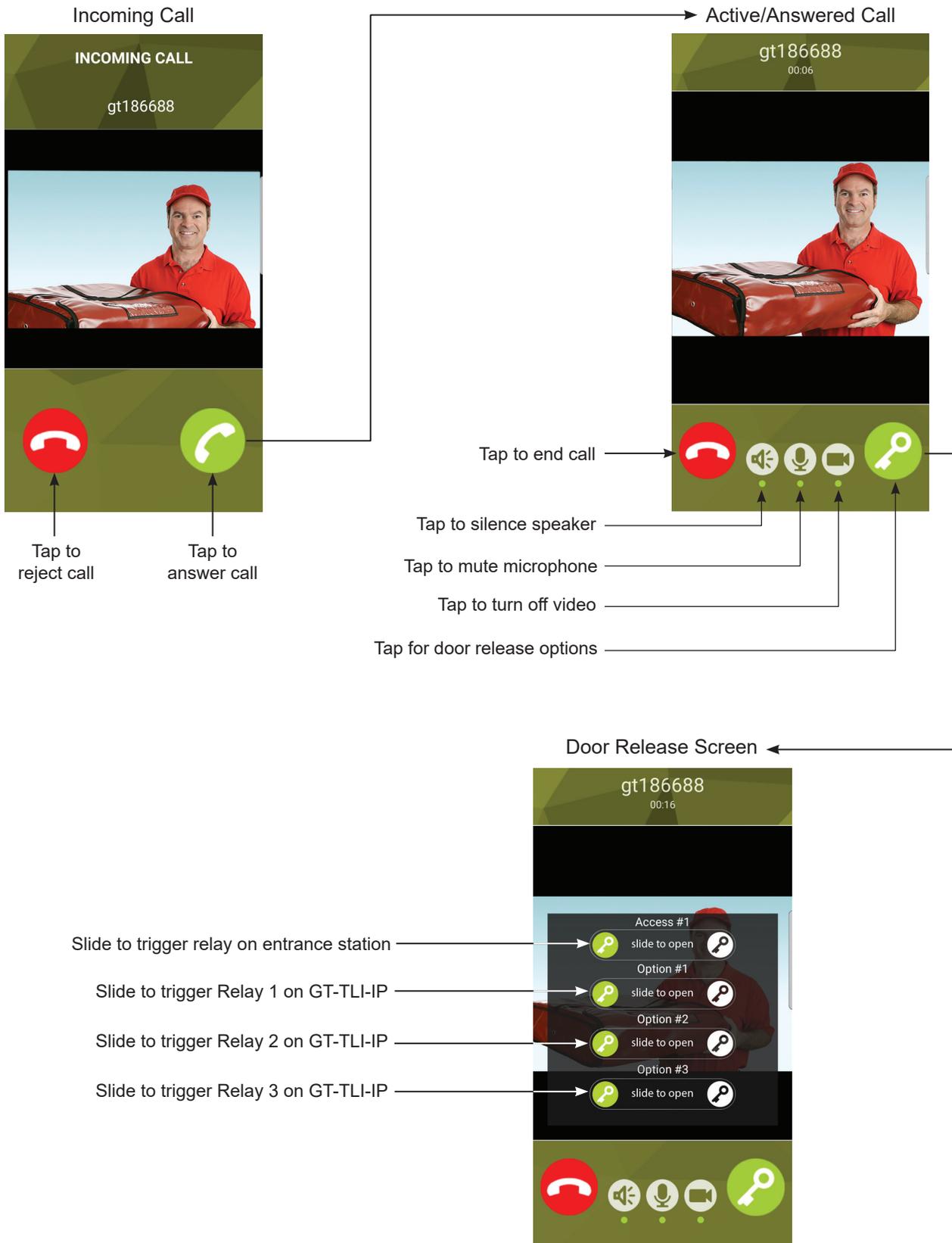
Delay before call
0 secs
If you set a time longer than the entrance station calling timer, the application will not be called.

Submit

Finally, you can set a delay on the GT-TLI-IP adaptor before a call is placed to the mobile app. This would be used if you wanted to have the call be placed to the tenant station (i.e. GT-1C7, GT-1M3, etc.) before calling to the mobile app. Set the delay under Outgoing Calls.

Click **Submit** to save any changes that were made on this screen.

AiphoneGT App Operation



SPECIFICATIONS

Dimensions	10-1/4" x 7-1/16" x 2-1/16" (260mm x 180mm x 53mm)
Weight	1.35 lbs (0.6 kg)
Temperature	32°F - 140°F (0°C - 40°C)
Connections	1 Cat-5e/6 Ethernet for network 2 two conductor cables for GT bus (audio-872002, video-871802)
Power required	12V DC, 500mA
Consumption	Standby: 350mA Active relay: 430mA
Standards	EN60950 EN55032 Edition 2015 Class B EN55024 Edition 2015 Class B FCC part 15 Subpart B
Programming	Via web browser
Capacity	3 mobile apps
Memory	Non-volatile memory
Chassis	ABS plastic

WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of two years after delivery to the ultimate user. Aiphone will repair free of charge or replace at no charge should the product become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the unit. This warranty covers bench repairs only and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on-site service calls.

FCC REQUIREMENTS

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of more of the following measures:

- Reorient or relocate the receiving antenna
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

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