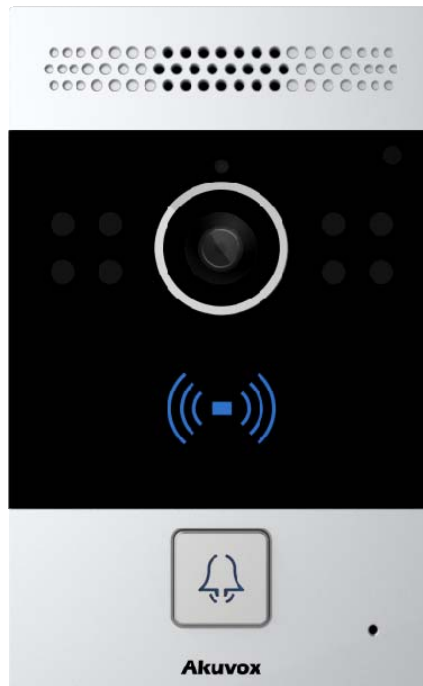# R20A Door Phone User Manual

About this manual

Thank you for choosing Akuvox's R20A door phone. This manual is intended for end users, who need to use and configure the door phone. It provides an overview of the most essential functions and features of the product, whose firmware version is 20.0.1.102.

FCC Warning

Any Changes expressly or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference,

and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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 or more of

the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is

connected.

—Consult the dealer or an experienced radio/TV technician for help.

Contact us

For more information about the product, please visit us at www.akuvox.com or feel free to contact us by

Sales email: sales@akuvox.com

Technical support email: techsupport@akuvox.com

Telephone: +86-592-2133061 ext.7694/8162

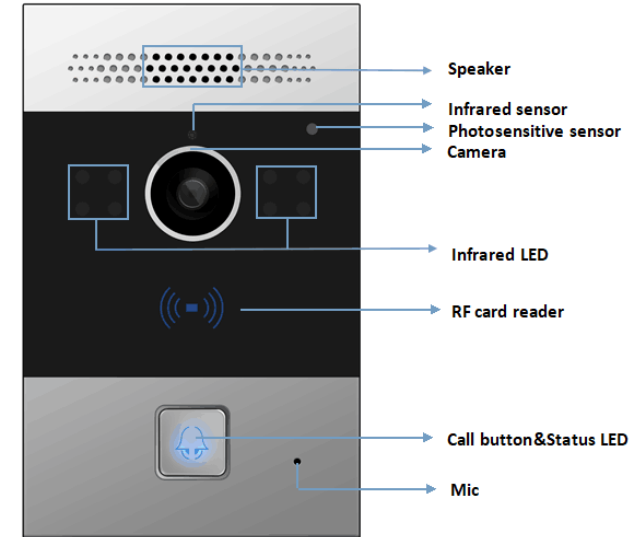**We highly appreciate your feedback about our products.**

Content

1. Product Overview

1.1 Product Description

Akuvox R20A is a SIP-compliant, hands-free one button video outdoor phone. It can be connected with your Akuvox IP Phone for remote unlock control and monitor. Users can operate the indoor phone to communicate with visitors via voice and video, and use RF card to unlock the door. It's applicable in villas, office and so on
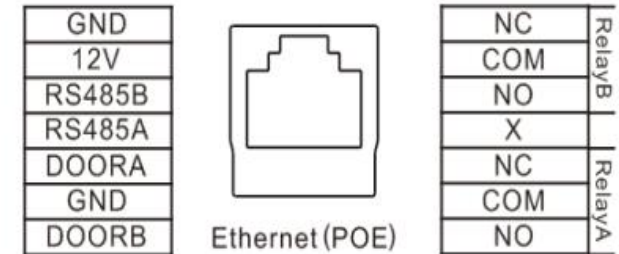
1.2Connector Introduction

Ethernet(POE): Ethernet(POE) connector which can provide both power and network connection.

12V/GND: External power supply terminal if POE is not available.

RS485A/B: RS485 terminal.

DOORA/B: Trigger signal input terminal.

RelayA/B (NO/NC): Relay control terminal.

Note： 12V/1A dc from LPS（power cord≤3m） or POE.
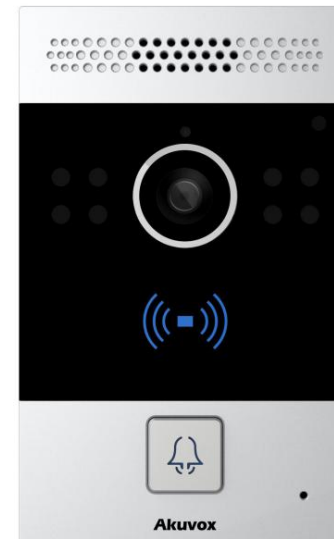
2. Daily Use

2.1 Making a Call

Press the call button to call out the predefined number or IP address and if LED turns green, it means the call has been answered.

2.2 Receiving a Call

User can use IP phone or indoor monitor to call R20A and R20A will answer it automatically by default. If user disable auto answer, pressing button to answer incoming call.

2.3 Unlock by RF Card

Place the predefined RF card on the card sensor area. The door phone will announce 'the door is now opened' and open the door 13.56MHz and 125KHz RF card is supported by R20A.

3. Configuration

3.1 Web Login

3.1.1. Obtaining IP Address

The Akuvox R20A uses DHCP IP address by default. If IP address is unknown, press and hold call button for a short period of time(about 5s) after LED light turns blue, R20A will announce its IP continuously. Press once again to stop.

3.1.2. Access the Device Website

Open a Web Browser, access the corresponding IP address. Then, enter the default user name and password to login. The default administrator User Name and Password are shown below:

User name: **admin**
Password: **admin**

3.2 Basic Setting

3.2.1 Time/Lang

Go to Phone->Time/Lang to select local Time Zone for NTP server.

3.2.2 Voice

Go to Phone->Voice, to configure volume and upload tone file.

(1)**Mic Volume:** To configure Microphone volume.

(2)**Speaker Volume:** To configure Speaker volume.

(3)**Open Door Warning:** Disable it, you will not hear the prompt voice when the door is opened.

(4)**IP Announcement:** To setup the IP Announcement active time. Over the configured value, the phone will not announce its IP address, even you hold the button.

(5)**RingBack Upload:** To upload the ring back tone you need.

(6)**Opendoor Tone Upload:** To upload the Opendoor tone you need.
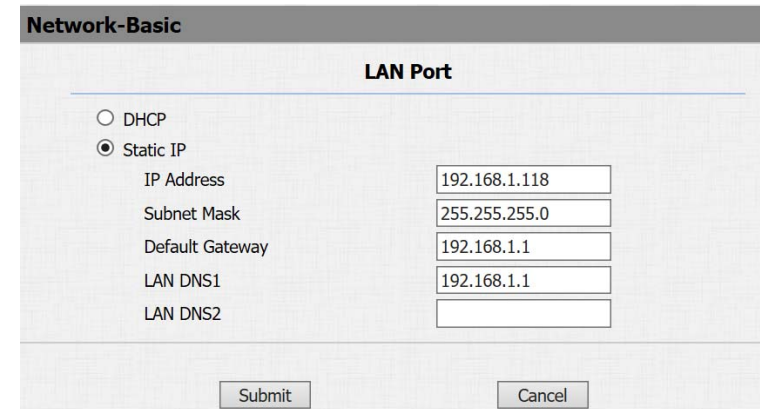
3.3 IP Address Setting

Go to Network->Basic, dynamically or statically to obtain IP address.

3.3.1 DHCP

R20A uses DHCP by default, it will get IP address, Subnet Mask, Default Gateway and DNS server address from DHCP server automatically.

3.3.2 Static IP

If selected, you could manually set IP address, Subnet Mask, Default Gateway and DNS server.

3.4 Call Setting

Go to Intercom->Basic, to configure basic call setting.

3.4.1 No Answer Call

Enable it, if there is no answer from push button number over 60s (default value), R20A will call predefined 'No Answer Call' number.

3.4.2 Push Button

(1)**Push Button:**To configure the destination number or IP you want to contact with. If you would like to call multiple numbers at same time, divide them by semicolon.

(2)**No Answer Call 1&2:**To setup one or two no answer call number.

Intercom-Basic

Basic

Select Account	Auto
No Answer Call	Disabled

Push Button

Key	Number
Push Button	192.168.35.57
No Answer Call1	
No Answer Call2	

3.5 Card Setting

Go to Intercom -> Card setting, to manage card access system.

3.5.1 Import/Export Card Data

R20A supports import or Export the card data file, which is convenient for administrator to deal with a large number of cards.

3.5.2 Obtain and Add Card

①Switch card status to 'Card Issuing' and click 'Apply';
②Place card on the card reader area and click 'Obtain';
③Name card and choose which door you want to open;
④Click 'Add' to add it into list.

3.5.3 Door card Management

Valid card information will be shown in the list. Administrator could delete one card's access permission or empty all the list.