



## R29 Series Door Phone User Manual

## About This Manual

Thank you for choosing Akuvox's R29S/F door phone. This manual is intended for end users, who need to properly configure the door phone. It provides all functions and configuration of R29S/F, the information detailed in this user manual applicable to firmware version 29.1.1.116.zip or lower version.

- Please verify the packaging content and network status before setting.
- The old firmware may be a little different from 29.1.1.116.zip about some configuration. Please consult your administrator for more information.

## Contact Us

For more information about the product, please visit us at [www.akuvox.com](http://www.akuvox.com) or feel free to contact us by

Sales email: [sales@akuvox.com](mailto:sales@akuvox.com)

Technical support email: [techsupport@akuvox.com](mailto:techsupport@akuvox.com)

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

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



Any Changes or modifications not expressly 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.

# Content

<b>1. Product overview</b>	<b>1</b>
1.1. Product Description	1
1.2. Power Connection	2
<b>2. Daily Use</b>	<b>3</b>
2.1. Making a Call	3
2.1.1. Calling From Digital Keypad	3
2.1.2. Calling From Phonebook	3
2.2. Receiving a Call	4
2.3. Gaining Access	4
2.3.1. Public Key	4
2.3.2. Private Key	4
2.3.3. RF (Radio-Frequency) Card	5
2.3.4. Answer Unit	5
2.4. Monitoring	5
<b>3. Configuration</b>	<b>6</b>
3.1. How to Access System Settings	6
3.2. Basic Settings	6
3.2.1. Time	6

3.2.2. Volume.....	7
3.2.3. Await.....	7
3.2.4. Language.....	8
3.2.5. LED.....	8
3.3. Advanced Settings .....	8
3.3.1. Address.....	8
3.3.2. Password.....	9
3.3.3. Contact .....	9
3.3.4. LockPasswd .....	10
3.3.5. AntiAlarm .....	10
3.3.6. RFCard (Radio Frequency Card) .....	11
3.3.7. RTSP (Real Time Streaming Protocol) Server.....	11
3.3.8. Motion.....	11

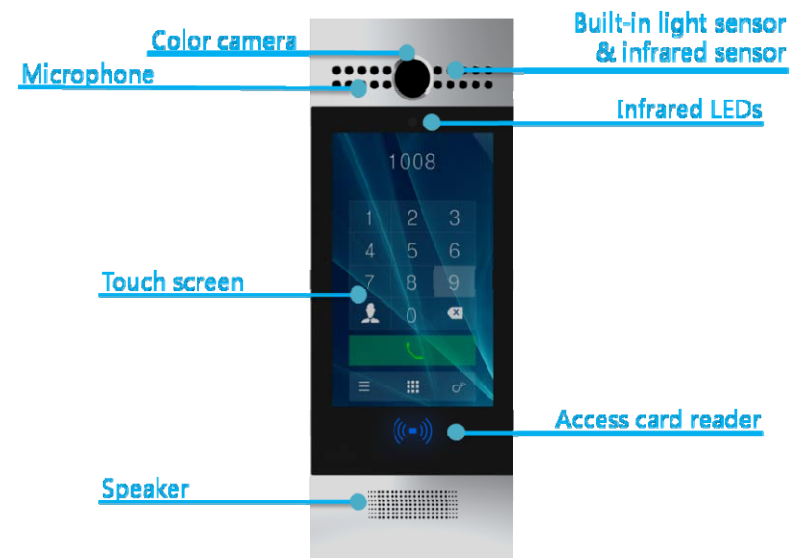
# 1. Product overview

## 1.1. Product Description

The R29F and R29S are Android-based IP video door phone with a touch screen. It incorporates audio and video communications, access control and video surveillance.

Its finely-tuned Android OS allows for feature customization to better suit the habit of usage of local people. Powered by it, R29S's multiple ports, such as RS485 and Wiegand ports, can be used to easily integrate external digital systems, such as elevator controller and fire alarm detector, helping to create a holistic control of building entrance and its surroundings and giving occupants a great sense of security.

It is applicable to multi-storey residential buildings, high-rise office buildings and their complexes.



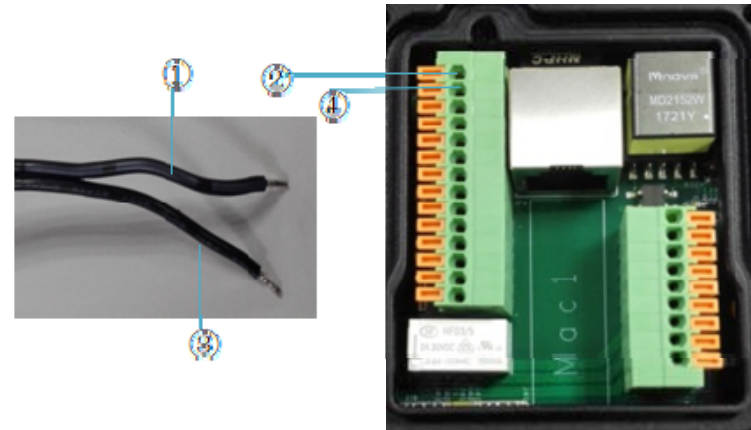
## 1.2. Power Connection

The door phone is powered by simply connecting the two wires of the power adapter to the wiring interface on the back of the door phone.

① Plug the wire printed with white bars to ② the first pin and slightly press it so that it gets locked inside.

③ Plug the wire printed with letters to ④ the second pin and slightly press it so that it gets locked inside.

Note: 12V/1A DC from LPS (power line  $\leq 3m$ ) or 48V/0.25A PoE



## 2. Daily Use

### 2.1. Making a Call

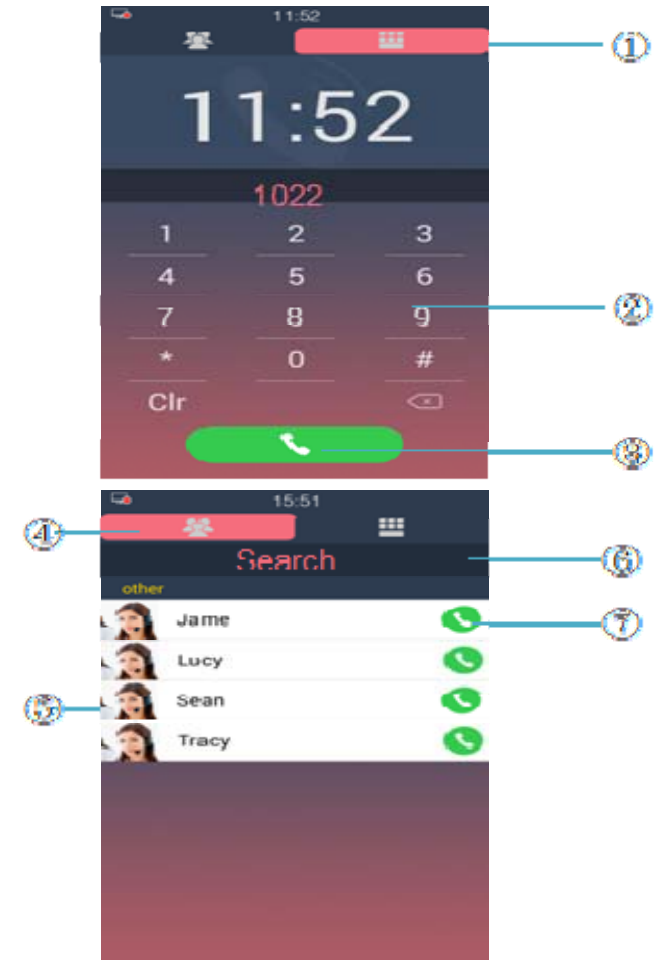
There are two ways to make a call from the door phone to monitor units, which can be an indoor monitor or an intercom app.

#### 2.1.1. Calling From Digital Keypad

- ① The default interface of the door phone is the dial interface.
- ② Enter the number to call on the digital keypad, for example room number 1022, and ③ tap the dial icon.

#### 2.1.2. Calling From Phonebook

- ④ Tap the icon to enter the phonebook
- To find a specific occupant, ⑤ scroll up or down the pre-imported contact list, which is either a room number, an occupant's name, or the combination of both, or ⑥ search the list by number or alphabet.





⑦ Tap the dial key next to the contact found.

## 2.2. Receiving a Call

When a monitor unit calls the door phone, it will auto answer the incoming call by default. There is no need to press any answer key.

## 2.3. Gaining Access

There are multiple ways of opening door.

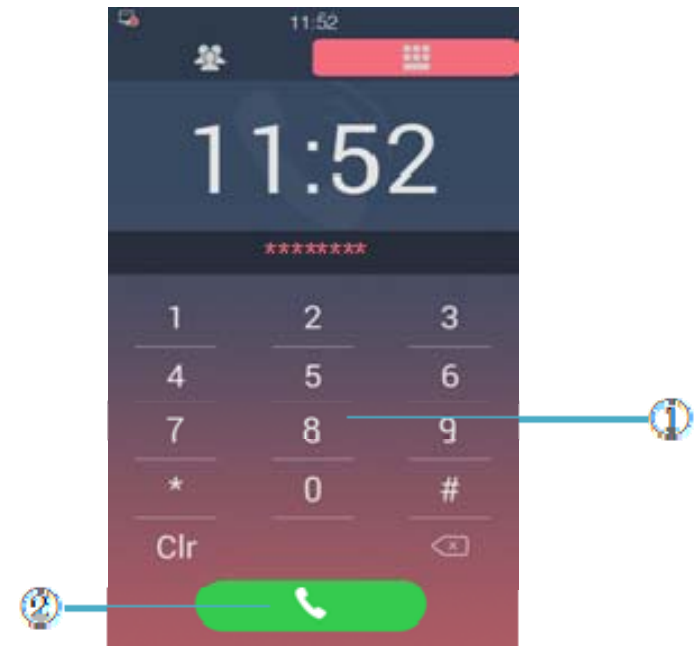
### 2.3.1. Public Key

Public key is a 8-digit password used by all occupants in a building.

① Enter the public key on the dial interface, for example 33333333, the default public key of the door phone, and ② tap the unlock icon to open door.

### 2.3.2. Private Key

Private key is an exclusive 8-digit password for each occupant in a

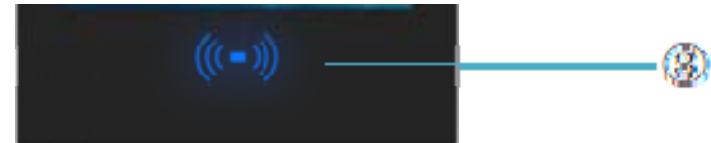


building, which could be set with the help of the door phone administrator.

Same as the public key, ①enter the private key on the digital keypad and ②tap the unlock icon to open door.

### 2.3.3. RF (Radio-Frequency) Card

The R29F and R29S are compatible with both 13.56MHz and 125KHz RF cards. ③Place the card near the reader and you will hear “The door is now opened.”



### 2.3.4. Answer Unit

During the call between the answer unit and the door phone, the occupant taps the unlock key on the monitor unit to grant access.

## 2.4. Monitoring

The video footage from the door phone camera can be viewed by

monitor units in real time.

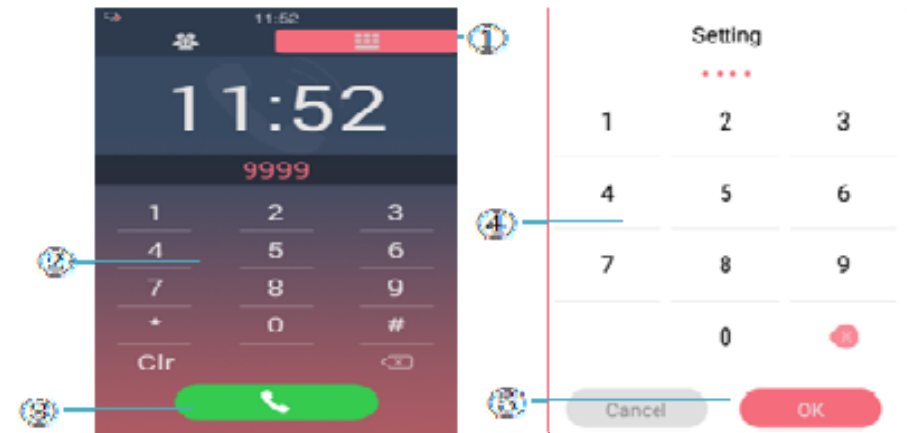
The URL format is:

rtsp://<ip\_host>/live/ch00\_0

## 3. Configuration

### 3.1. How to Access System Settings

- ①In the dial interface, ②input 9999, then ③press dial key.
- ④Input 3888 in the pop-up setting screen and ⑤tap OK to enter the set-up interface.



### 3.2. Basic Settings

#### 3.2.1. Time

- ①Choose automatic date& time” setting for automatic access of time, date and time zone.
- ②Or set the time, date and time zone manually.



### 3.2.2. Volume

Drag the dot to adjust three types of volume, i.e. call volume, advertisement volume and key volume.

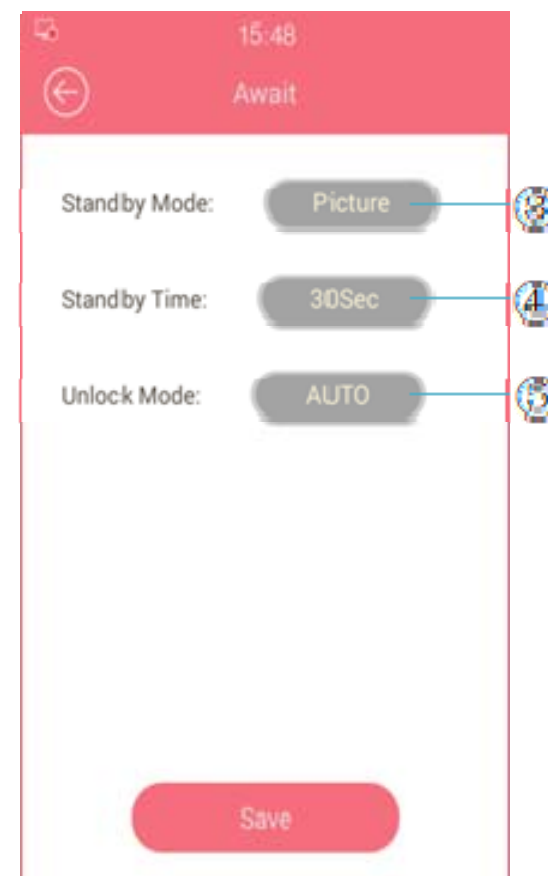
### 3.2.3. Await

Tap Await icon to set the standby mode, standby time and unlock mode.

③ There are three options for the standby mode. NO is for the door phone's default dial interface to remain permanently on; Blank Screen is a black screen during standby; and Picture is a chosen screensaver of your like, which can be imported in bulk by the administrator.

④ You can set the standby time between 30 Sec to 180 Sec.

⑤ Unlock mode is to choose how to wake up the door phone from the standby mode.



### 3.2.4. Language

Tap language icon to select system language. More languages can be added by the administrator.

### 3.2.5. LED

By setting the LED parameter, the door phone will adjust its screen backlight according to the lighting conditions of the environment.

## 3.3. Advanced Settings

### 3.3.1. Address

Tap Address icon to configure the IP address.

① Choose DHCP for the door phone to access the network parameter

15:59

← Address

DHCP ☐

IP Address  
192.168.1.222

Subnet Mask  
255.255.255.0

Gateway  
192.168.1.1

DNS  
192.168.1.1

Save

automatically.

②Or input the parameter manually.

### 3.3.2. Password

③In the Project Passwd menu, reset the password for accessing the system setting, which is 9999 by default.

④In the Public Key Passwd menu, reset the public key password, which is 33333333 by default.

### 3.3.3. Contact

Add details of new occupants, including name, phone number and photo or edit existing contact details.

You can also create contact groups first and then add contacts to the groups.

The screenshot shows a mobile app interface for password management. At the top, the status bar displays the time 10:59. The app's header is red with a back arrow icon and the title "Password". Below the header, there are two tabs: "Project Passwd" (highlighted in red) and "Public Key Passwd". Under the "Project Passwd" tab, there are two input fields: "Old Passwd" and "New Passwd". A blue vertical line connects the "Old Passwd" field to the "New Passwd" field, with a circled number ③ at the bottom. To the right, under the "Public Key Passwd" tab, there is a similar input field for "Old Passwd" and "New Passwd", with a blue vertical line and a circled number ④ at the bottom. Below these fields is a "Passwd Confirm" field. At the bottom of the screen is a red "Save" button.

### 3.3.4. LockPasswd

- ① Add new private keys or edit existing private keys.
- ② The private key can also be configured with a date and time to offer limited access.

### 3.3.5. AntiAlarm

By turning on the Tamper Proof Switch in the AntiAlarm menu, alarm will be triggered and a notification message will be sent to monitor units when there is any malicious attempt to damage the door phone.

#### Add Private Key

Name	<input type="text"/>	①
Code	<input type="text"/>	
Device Name	<input type="text"/>	
Day	<input data-bbox="1646 718 1899 782" type="button" value="..."/>	②
Door Num	<input data-bbox="1646 805 1899 869" type="button" value="..."/>	
Time Start	<input data-bbox="1646 893 1899 957" type="button" value="00:00"/>	
Time Stop	<input data-bbox="1646 981 1899 1045" type="button" value="00:00"/>	
<div><input data-bbox="1496 1077 1601 1173" type="button" value="✕"/><input data-bbox="1720 1077 1825 1173" type="button" value="✓"/></div>		

### 3.3.6.RFCard (Radio Frequency Card)

- ③Add new access cards or delete registered cards.
- ④Administrator can also add a valid date and time to the card to offer limited access.

### 3.3.7.RTSP (Real Time Streaming Protocol) Server

By enabling the RTSP Server, occupants can view the real-time video footage of the door phone camera from a monitor unit.

### 3.3.8. Motion

By enabling the motion detection function, the door phone will detect and record any change in the surrounding, such as suspicious people loitering around, and send notification message to a monitor unit.

